

FIFTY-FOURTH ANNUAL REPORT
OF THE
Department of Health
OF THE
STATE OF NEW JERSEY

1931



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Department of Health of the State of New Jersey

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The offices of the Department are in the State House, Trenton

STATE OF NEW JERSEY,
DEPARTMENT OF HEALTH,
TRENTON, N. J., August 17, 1931.

To the Senate and General Assembly of the State of New Jersey:

As required by law, I have the honor of submitting herewith the Annual Report of the Department of Health, together with accompanying important documents, for the fiscal year ending June 30, 1931.

CHARLES I. LAFFERTY,
President,
State Department of Health.

STATE OF NEW JERSEY,
DEPARTMENT OF HEALTH,
TRENTON, N. J., August 17, 1931.

To the Department of Health of the State of New Jersey:

GENTLEMEN—I have the honor to submit herewith the Annual Report of the Department for the year ending June 30, 1931. The reports of the Bureau Chiefs will give comprehensive accounts of the activities of the ten Bureaus of the Department during the year.

Respectfully submitted,
J. LYNN MAHAFFEY, M.D.,
Director of Health.

Report of Bureau of Administration

For the Year Ending June 30, 1931

CHARLES J. MERRELL, CHIEF

The terms of S. A. Cosgrove, M.D., and J. O. McDonald, M.D., members of the Department, expired on July 1, 1931. Both of the physicians named were reappointed by Governor Larson for terms of four years

At a meeting of the Department on July 7, 1931, Mr. Charles I. Lafferty, of Atlantic City, was re-elected President and Harold J. Harder, C.E., of Paterson, was re-elected Vice-President for the coming year.

The term of Mr. D. C. Bowen, Director of Health, expired on June 30, 1931, and J. Lynn Mahaffey, M.D., member of the Board, was appointed to succeed him for a term of four years. Dr. Mahaffey immediately resigned as a member of the Board.

APPROPRIATIONS

For the year ending June 30, 1931, an appropriation of \$428,990.50 was granted the Department by the Legislature, while for the year ending June 30, 1932, an appropriation of \$539,708.50 was granted, an increase of \$110,718.

This includes a special appropriation of \$25,000 to be used for the enforcement of the law with respect to pollution of the Raritan River.

No increases in salaries of present employees were allowed for the current year, but an increased appropriation was granted in order that additional personnel might be employed more efficiently

DEPARTMENT OF HEALTH

to carry on the regular work of the Department. About \$40,000 will be used for the salaries of the following additional employees:

- Four District Health Officers,
- One Inspector of Milk Pasteurizing Plants,
- One Assistant Veterinarian,
- One Engineer,
- Two Assistant Sanitary Engineers,
- Two Water Shed Inspectors,
- One Chemist,
- One Bacteriologist,
- One Junior Laboratory Technician,
- Six Clerk Stenographers.

The remainder of the increased appropriation will be needed to meet additional expenses in connection with the new employees above-mentioned, and for the equipping of the offices and other current expenses of the new District Health Officers.

A financial statement showing the expenditures by Bureaus of this Department for the year ending June 30, 1931, will be found at the close of the Report of this Bureau.

BOARD OF EXAMINERS AND EXAMINATIONS

Edwin G. Coward, M.D., of Pleasantville, James J. Hagan, of Jersey City, Patrick J. Monaghan, of Newark, together with Wallace T. Eakins and A. I. Goehrig, of the Department, were reappointed as members of the Board of Examiners of Health Officers and Sanitary Inspectors for the year beginning March 1, 1931. Mr. Goehrig was continued as President of the Board and Mr. Eakins as Secretary.

During the year, 133 applications for examination as Health Officer or Inspector of the various classes were filed with the Board. Four examinations were held during the year on the regularly fixed dates, namely, the last Friday of July, October, January and April. The Board of Examiners cooperated with the State Civil Service Commission in holding a joint examination in July, but no special examinations were conducted during the year.

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Licenses were issued during the year to those securing the general average of 70% or more as follows: Health Officers, 11; Sanitary Inspectors of the First Class, 4; Sanitary Inspectors of the Third Class, 1; Plumbing Inspectors, 25; Food and Drug Inspectors, 1.

In addition to the above examinations were held for sewage and water plant operators. Information concerning said examinations will be found in the Report of the Bureau of Engineering of this Department.

The following preamble and resolution, recommended by the Board of Examiners, was adopted by the Department on June 2, 1931:

WHEREAS, The Board of Examiners appointed by the Department of Health of the State of New Jersey has in the past examined applicants for licenses as health officers, sanitary inspectors and plumbing inspectors without any restriction upon the number of examinations an applicant may take; and,

WHEREAS, A number of candidates have repeatedly taken such examinations and failed to qualify for licenses and their papers have indicated that no serious attempt has been made by such persons to improve their knowledge since previous examinations; therefore,

Be it resolved, By the Department of Health of the State of New Jersey at a meeting held on the second day of June A. D. one thousand nine hundred and thirty-one, that any candidate for a license having failed in two examinations within a period of one year shall thereafter be ineligible to take a further examination of the same class until one year has elapsed from the date of his second failure.

SANITARY CODE AND REGULATIONS

At a meeting of the Department held on December 2, 1930 Chapter VIII of the State Sanitary Code containing regulations governing the conduct of boarding homes for children was revised and new regulations were adopted under said Chapter to take effect on January 1, 1931. Hereafter, under the revised Code, licenses for boarding homes for children will not be issued by the State Department of Health as heretofore, but will be issued by the various local boards of health throughout the State in the same manner in which other licenses are issued by the said local boards.

At the meeting of the Department on February 3, 1931, Regulation 83 of Chapter XI of the State Sanitary Code, said Chapter

relating to certified milk, was repealed and Regulations 44, 45, 47, 84 and 85 of said Chapter were amended. The repealer and amendments as adopted taking effect July 1, 1931.

CEMETERIES AND MAUSOLEUMS

Application of citizen freeholders for reversal of the decision of the Township Committee and Board of Health of Clark township, Union county, in granting consent to Philip Rose to locate a cemetery in Clark township, was presented to the Department at its meeting on April 7, 1931. Following a preliminary conference before the Department on May 5, 1931, a public hearing in reference to said application was given by a committee of the Board in the Township Hall on May 28, 1931, and the committee inspected the proposed site for the cemetery. At the meeting of the Department on July 7, 1931, it was, after consideration of the report of the committee and statements made at the hearing and papers filed with the Department, unanimously voted that the application of citizen freeholders for reversal of the decision of the local officials of Clark township in granting consent to Mr. Philip Rose to locate a cemetery in said township be granted and that permission to establish a cemetery on said proposed site be refused.

Plans and specifications submitted by the Harleigh Memorial, Inc., for the construction of a mausoleum in the Harleigh Cemetery, located in the City of Camden, were presented at a meeting of the Department held on September 11, 1930, together with a statement to the effect that the construction of the mausoleum had been approved by the officials of the City of Camden. It was on motion voted that the application of the Harleigh Memorial, Inc., to construct said mausoleum be granted and that the attention of the Commissioners and Health Officers of the City of Camden be called to the requirements of the law relating to the establishment of a trust fund for the perpetuation of the mausoleum.

At the meeting of the Department on January 6, 1931, application of the Overlook Mausoleum Company for permission to construct a mausoleum in the Overlook Cemetery, Bridgeton, New Jersey, was submitted. It was further reported that the construc-

tion of the mausoleum had been approved by the Board of Health of the City of Bridgeton, and it was voted that the application of the Overlook Mausoleum Company to construct said mausoleum be granted. It was also voted that the attention of the Mayor and Council and the Health Officer of the City of Bridgeton be called to the requirements of the law relating to the establishment of a trust fund.

ANNUAL CONFERENCES

On February 13, 1931, the Twenty-First Annual Conference of State and Local Health Officials was held in the State House, Trenton. Afternoon and evening sessions were held. There were 270 present, which is the highest attendance on record for this conference. The arrangements for registration, caring for and interesting the delegates, were far superior to previous years and were appreciated by those attending the conference.

In the roll call of delegates from the various municipalities and townships of the State, it was found that every county except Warren was represented. Some excitement was produced by the calling of the roll on account of keen rivalry between the different districts in having the largest number of delegates present.

The address at the afternoon session on the subject of "Vaccination of Animals Against Rabies" was given by G. W. McCoy, M.D., Medical Director, National Institute of Health, U. S. Public Health Service. This was followed by ten-minute talks by the Health Officers of Paterson, Atlantic City, Perth Amboy, Kearny, Montclair and East Orange.

Changes in Chapter VIII of the State Sanitary Code regulating boarding homes for children were explained by Dr. Julius Levy, Consultant to the Bureau of Child Hygiene of this Department.

At the close of the afternoon session, an amusing demonstration playlet of dairy inspection entitled "Milk, Microbes and Men" was given by I. H. Shaw, D.V.M., and S. S. DeCou, Sr., of the Department, which was greatly enjoyed by those present.

Moving pictures were shown at the evening session, after which an interesting paper was read by Henry O. Reik, M.D., of the

New Jersey State Medical Society, on "A Medical Vacation (illustrated by moving pictures) with Casual Observation Upon Health Insurance Laws", together with paper on the subject of "Lessons from Outbreaks of Disease Traced to Contaminated Eclairs and Cream Puffs", by I. H. Shaw, D.V.M., Inspector of the Bureau of Food and Drugs of the Department. Many of those present were greatly interested in the subject presented by Dr. Shaw and were eager to enter into the discussion which followed the reading of the paper.

At the annual meeting of the Health Officers' Association of New Jersey, held on Saturday morning, February 14, 1931, the following officers were elected for the coming year:

President.....S. L. Salasin, M.D., Health Officer of Atlantic City
 Vice-President.....L. Van D. Chandler, Health Officer of Hackensack
 Treasurer.....N. J. R. Chandler, Health Officer of Plainfield
 Secretary.....Eugene H. Sullivan, Health Officer of Nutley
 Chairman of Executive Committee, A. L. Stone, M.D., Health Officer of Camden

A new Constitution and By-Laws was adopted at the fifty-sixth annual meeting of the New Jersey Public Health and Sanitary Association held at the Monterey Hotel, Asbury Park, on December 12th and 13th, 1930, under which the name of the Association was changed to "New Jersey Health and Sanitary Association." The provision for the compulsory employment of an executive secretary was changed to read that the executive council may employ an executive secretary. No salary was set aside for an executive secretary, but it was voted that for the coming year \$1,000 be placed at the disposal of the Executive Council to be used in a program of expansion in the nature of an executive secretary or someone of that order.

Samuel B. English, M.D., Superintendent, State Sanatorium for Tuberculous Diseases, Glen Gardner, New Jersey, was elected President of the Association for the coming year.

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LEGISLATION

The following bills of interest to health officials were introduced at the last session of the Legislature:

Senate Bill No. 69, legalizing offspring of all ceremony marriages even though such marriages be afterward declared void. This bill became a law, Chapter 311.

Senate Bill No. 130, prohibiting pollution of tidal waters within three miles of coast line and prohibiting discharge of petroleum or chemicals. This bill failed to pass.

Senate Bill No. 147, giving local boards of health power to enact ordinances more stringent than regulations in the State Sanitary Code. This bill failed to pass.

Senate Bill No. 170, regulating and restricting the use of wood alcohol and promoting public health service by fixing penalties for violation of provisions. This bill failed to pass.

Senate Bill No. 199, providing for control and supervision of plumbing through a uniform State-wide plumbing code and the creation of a State Examining Board to issue licenses under supervision of State Health Department. This bill failed to pass.

Senate Bill No. 201, necessitating granting of permits by the State Department of Health before shipment of milk or cream for sale may be sent into New Jersey. This bill failed to pass.

Senate Bill No. 202, penalizing manufacturers, wholesalers, or other dealers in drugs, medicines or poisons who sell such drugs to general merchants for re-sale with full knowledge that it is unlawful for the general merchant to sell them under the Pharmacy Act. This bill failed to pass.

Senate Bill No. 293, making it unlawful for a male under eighteen or a female under sixteen to contract marriage. This bill failed to pass.

Senate Bill No. 302, directing the use of funds paid by State for slaughtered tuberculous cattle to purchase of other cattle for replacing. This bill failed to become a law.

Assembly Bill No. 29, providing for a more thorough examination by a medical inspector of the chest and spine of school pupils. This bill failed to pass.

Assembly Bill No. 126, amending the Tenement House Act providing that four families, instead of three, may inhabit dwellings not more than four stories which have been converted into tenement houses. This bill became a law, Chapter 359.

Assembly Bill No. 149, providing for the licensing of public swimming pools and public bath places. This bill failed to pass.

Assembly Bill No. 219, authorizing Township Committees in townships having a population in excess of 5,000 to name a secretary of the board of health. This bill became a law, Chapter 269.

Assembly Bill No. 222, defining the requirements of milk and cream sold and delivered in the State. This bill failed to pass.

Assembly Bill No. 225, regulating the passing of ordinances, codes and rules by local boards of health or the State Board of Health in the sale of "New Jersey Grade 'A' Raw Milk" and "New Jersey Grade 'AA' Pasteurized Milk." This bill failed to pass.

Assembly Bill No. 229, empowering the principal, class room teacher, school nurse or school physician to exclude a pupil from school upon evidence of departure from normal health. This bill became a law, Chapter 84.

Assembly Bill No. 301, placing cold storage warehouses under the supervision of Public Utilities Commission. This bill failed to pass.

Assembly Bill No. 352, regulating the sale, transfer and exposure of articles commonly known as "anti-freeze." This bill failed to pass.

Assembly Bill No. 357, repealing the Act of 1918 which regulates the making and sale of mattresses. This bill failed to pass.

Assembly Bill No. 370, regulating the occupation of barbers and creating the "State Board of Barbers." Also regulating the licensing of persons carrying on such business. This bill failed to pass.

FINANCIAL STATEMENT SHOWING EXPENDITURES BY BUREAUS OF THE DEPARTMENT OF HEALTH OF
THE STATE OF NEW JERSEY FOR THE YEAR ENDING JUNE 30th, 1931

<i>Bureaus</i>	<i>Payrolls</i>	<i>Traveling Expense</i>	<i>Stationery and Printing</i>	<i>Office Equipment</i>	<i>Telephone</i>	<i>Sundries</i>	<i>Public Health News</i>	<i>Maint. of Tabulating Machines</i>	<i>Laboratory Equipment</i>
Administration	\$22,814	\$2,121	\$910	\$353	\$137	\$532	\$1,253	.....	.....
Vital Statistics	26,544	26	2,219	146	67	70	.....	\$899	.....
Local Health	28,258	2,168	1,743	325	149	331	.....	.....	.....
Food and Drugs	31,185	11,183	764	66	25	103	.....	.....	\$285
Engineering	42,293	2,766	674	.....	162	1,195	.....	.....	2,622
Chemistry	19,970	757	514	.....	29	143	.....	.....	1,074
Bacteriology	27,682	501	610	41	83	677	.....	.....	10,046
Public Health Education	4,129	31	.....	.....	.....	.....	.....	.....	.....
Total Thus Far:	\$202,875	\$19,553	\$7,434	\$931	\$652	\$3,051	\$1,253	\$899	\$14,027
Child Hygiene	\$89,770	\$28,350	\$4,684	\$1,687	\$95	\$1,005	.....	.....	.....
V. D. Control	16,230	3,546	860	1,016	99	183	.....	.....	.....
Total of Columns	\$308,875	\$51,449	\$12,978	\$3,634	\$846	\$4,239	\$1,253	\$899	\$14,027

The prevalence of infantile paralysis, as indicated by reports of cases and deaths, was practically the same as in 1929. There occurred the usual increased prevalence of this disease during the late summer, nearly 70% of the cases recorded being reported during the months of August, September and October.

Both the number of cases and the number of deaths from influenza and from pneumonia recorded in 1930 were lower than the number recorded during any year since these diseases were added to the reportable list. However, inasmuch as the prevalence of these diseases fluctuates considerably, it cannot be expected that the rates will be consistently reduced each year, until more definite and specific preventive measures are established and applied. In pneumonia both the number of cases and deaths recorded in 1930 was appreciably greater among males than among females.

For the second consecutive year only one case of smallpox was reported in the State. Again the warning is given that the almost complete freedom of the State from this disease for two years should not lead to a false sense of security which will result in persons neglecting vaccination.

The low rate of scarlet fever for 1929 was not continued during 1930, there being an increase both in the number of reported cases and deaths. However, the 58 deaths charged directly to this disease were less than the number of deaths charged either to measles or to whooping cough.

Measles again showed its tendency to fluctuate, the number of recorded cases being over three times greater than the number reported during 1929. Whooping cough cases were below the normal in number. The number of deaths recorded from these two diseases during the year was 216. Ninety-one per cent of these deaths occurred in children less than five years of age. There should be still more forcibly emphasized to parents the great importance of protecting against these two diseases, in as far as practical, children less than 5 years old.

By an amendment to Regulation 1, Chapter VI, of the State Sanitary Code, five diseases were added to the list of reportable diseases beginning July 1, 1930. These diseases and the number

of cases reported from that date to the end of the year are: mumps, 361 cases; tularemia, 1 case; tetanus, 13 cases; lethargic encephalitis, 11 cases; undulant fever, 14 cases. In view of the fact that these diseases so recently became reportable throughout the State, the number of cases recorded can scarcely be considered a true indication of their prevalence during the period considered.

As an appendix to the report of this Bureau the number of cases of diseases reported is shown in detailed tables.

Investigations of Outbreaks—A decade ago extensive local outbreaks of typhoid fever were all too common. However, in recent years large outbreaks of this disease in the State have become less and less frequent. The increased use of pasteurized milk, scientific treatment and supervision of public water supplies, greater protection of private supplies, greater care in cleansing dishes and glasses in eating establishments, discovery and supervision of an increasing number of typhoid carriers, as well as improvement in sewage disposal methods and in general sanitation, all have had their effect in lessening the number and extent of such outbreaks. In municipalities in which formerly several cases of typhoid fever aroused but temporary curiosity in the community, the occurrence of even one case now very often results in a public request for careful investigation. In studying a single case, or a very small group of cases, it is usually extremely difficult to fix definitely the source of infection. Opinions about the actual source of infection may be given, but reasonable proof that the opinion is correct can be presented only in a limited number of cases.

During 1930, employees in the Bureau investigated 78 cases of typhoid fever in 37 municipalities. In two instances the group of cases investigated consisted of five or more.

In Willingboro and Evesham townships, Burlington county, there was investigated a group of 19 cases among persons employed in picking berries and vegetables, nearly all of whom were residents of Pennsylvania who had come to live in New Jersey temporarily during the picking season. A typhoid carrier was

discovered among this group of persons and evidently was the source of infection.

Another group including seven cases of typhoid fever in three related families in Woodbridge township was studied. It was found that a previously unrecognized case had occurred in a member of one of these families who, it was concluded, spread the infection to others by contact in this home.

Twenty-two cases of diphtheria in 10 municipalities were investigated. In a majority of these instances a carrier was discovered as the probable source of infection.

Investigation was made of 20 cases of undulant fever in 11 municipalities. Six of these cases occurred as a definite milk-borne outbreak in Pitman, Gloucester county. All patients were users of raw milk obtained from a local producer-distributor who supplied from his herd about 300 quarts of milk daily. This was about 14% of the milk sold in the community. The onset of the first case was about September 1, the other cases occurring during the next four months. Patients ranged in age from 17 to 56 years. Three were males and three females. Tests made of the cows in this herd late in December, 1930, by the State Department of Agriculture showed that the blood of 24 contained agglutinins for *Brucella* organisms. Milk from two of these reactors examined at the laboratory of the State Department of Health on February 5, 1931, contained *B. abortus*. Milk from the herd was pasteurized from January 5, 1931, to May 11, 1931, upon which date an order prohibiting the sale of raw milk from these premises was withdrawn upon certification by the State Department of Agriculture that all animals reacting to the contagious abortion test had been removed from the premises.

The remaining 14 cases of undulant fever investigated by the Bureau during the year were in 10 municipalities in eight counties. All of these patients had been users of raw milk prior to illness.

In August, 1930, the attention of the Department was drawn to the sudden occurrence of cases of severe intestinal affection in a section of Hamilton township, Mercer county. Investigation was made of 64 cases of illness in this vicinity, all showing simi-

lar symptoms. From specimens of feces examined at the State laboratory from two of these cases there were isolated Flexner dysentery bacilli. The patients were users of raw milk, bottled and distributed by a local dealer, who obtained the milk from three nearby producers. Examinations of specimens of body discharges from workers at the milk plant and at the farms did not reveal any infected person. Cases did not develop among users of this milk after pasteurization was commenced.

During July, investigation was made of six acute cases of illness, three of which were fatal, in one family in Lafayette township, Sussex county. Although epidemiological investigation pointed to potted meat as the article of food used in common by these persons, definite proof that herein lay the cause of these cases was not secured. The agent which actually caused these cases of illness was not discovered.

The case of tularemia reported during the year was in the person of an adult female who shortly before becoming ill handled the entrails of a rabbit shot in Cape May county. Two cases of this disease in humans were discovered during 1927 in this county.

The first case of spotted fever in the State coming to the attention of the State Department of Health occurred in May, 1931. This case was in a farmer, aged 32, who resided near Fort Mott in Salem county. Definite history of a tick bite shortly prior to onset was obtained. The infection was evidently received locally.

Other cases of diseases investigated during the year by employees in the Bureau include six of infantile paralysis and six of miscellaneous diseases, in 12 municipalities.

Diseases on Dairy Premises—Fifty-seven cases of communicable diseases on 47 dairies were reported directly to the State Department of Health in accordance with the provisions of Regulation 4, Chapter VI of the State Sanitary Code. Cases on 27 of these premises were referred to local boards of health for investigation and action. Twenty premises were visited by employees in the Bureau.

On 42 premises the sale of milk was permitted after precautionary measures were established. In two instances the sale of milk was voluntarily stopped during the continuance of the case. In two instances the sale of milk was temporarily prohibited by the local board of health and in one instance by the State Department of Health.

Diphtheria Immunization—Assistance was rendered local officials by employees in the Bureau in giving toxin-antitoxin or toxoid in 62 municipalities. At these clinics 4,916 persons received the preventive treatments. Seventy-six municipalities were aided in giving Schick tests to 6,830 persons. During the year in public clinics in a number of communities toxoid has been used in place of toxin-antitoxin.

In annual reports received from local boards of health, it was reported that during 1930 public diphtheria immunization clinics were held in 330 municipalities at which nearly 90,000 persons received preventive treatments. Eighteen per cent of these persons were reported to be below school age.

Assistance in Diagnosis—Although work of the Bureau has not been developed in a way to encourage requests for assistance in establishing a diagnosis in cases of illness suspected of being communicable, some requests for such assistance are received and help given when practical. During the year, aid in establishing a diagnosis was given in 45 instances.

Typhoid Carriers—Five typhoid carriers were added during 1930 to the list on file at the office of the State Health Department. Four of the five were females. In the report of this Bureau for 1929 it was pointed out that a person shown to be a carrier of the causative organisms of typhoid fever is denied by health laws and regulations, the opportunity of earning a livelihood by taking part in the handling of food for sale or distribution. It was also pointed out that certain persons, particularly household servants, found to be typhoid carriers, often have great difficulty in procuring positions or even to find homes, owing to the very proper hesitancy of householders to admit to their households known carriers of typhoid bacilli.

It is again recommended that in unusual instances in which such carriers, having been placed under restrictions to protect the public health and who, therefore, find it extremely difficult to procure living quarters and to maintain themselves independently, the State provide some means for their maintenance, either in a proper institution or by pension.

State Institutions—At eight State institutions there were investigated 35 cases of communicable diseases, including chicken-pox, diphtheria, measles, German measles, scarlet fever and typhoid fever. Assistance was given at four State institutions in Dick testing 564 inmates. Assistance was also rendered at three State institutions in giving Schick tests to 375 persons.

Special Surveys—There was completed during the year an inquiry at each State institution coming under the supervision of the State Department of Institutions & Agencies to learn of communicable disease preventive measures followed at these institutions. This survey was requested by the Commissioner of Institutions & Agencies and recommendations were made to him for communicable disease prevention work at each of these institutions.

Some special work with Dick test and scarlet fever toxin was carried on at the State Village for Epileptics and at the State Home for Girls in co-operation with these institutions.

Other Investigations—Hundreds of complaints of nuisances and alleged nuisances from all parts of the State are referred to the Bureau annually. Although some of these complaints are trivial and others are of conditions which do not come within the jurisdiction of health departments, a majority relates to matters which definitely come within the jurisdiction of local boards of health as anticipated in Section 12, Chapter 68, P. L. 1887, and Chapter I of the State Sanitary Code. It is the general policy to refer such complaints to local boards of health. However, during the year employees in the Bureau made 177 investigations in the field, including inspection of camps, private water supplies, private sewerage systems, piggeries, and garbage and refuse

dumps. Most of these inspections were made in company with local health officials.

Meetings and Conferences—Meetings of 19 local boards of health were attended by representatives of the Bureau during 1930 and 83 other public meetings at which some phase of public health work was considered. In order that the Bureau may function in the field assigned to it, conferences with local health officials as well as with other public officials, physicians and citizens are essential. During the year employees in the Bureau held 2,480 such conferences at which many problems pertaining to health administration were discussed.

Lectures and Talks—Although the Bureau does not undertake to carry on lecture work as a routine, requests for talks and papers on subjects related to the activities of the Bureau are filled when practical. During the year response was made to 35 such requests.

Public Health News—The monthly bulletin of the Department was edited by Mr. C. K. Blanchard, of this Bureau, as during the previous year. The News has been continued on the somewhat popular lines described in the last annual report.

An issue ordinarily contains one or two short signed articles of interest and value to health officials in New Jersey, special news articles, a conversational feature entitled "Mark Time," and seven to ten pages of news notes on the activities of local boards of health and those of the State Department. Monthly morbidity and mortality summaries and a brief report of the official actions of the Department fill the last few pages of each issue.

The policy of carefully preparing the published material in an interesting and condensed form, of using distinctive type, and numerous illustrations has resulted in a magazine which frequently brings forth favorable comment from its readers.

Summer School for Health Officials—Co-operation with Rutgers University in the short summer course for health officials was continued this year. During the session of 1930 there were 20 students in the first year class and eight in the second year

class. All of the latter were granted certificates by the University for completion of the two-year course. Six of these graduates were employed in some capacity by local boards of health at the time the course was completed. Two employees in the Bureau were regular lecturers in the course during the 1930 session.

Circulars and Pamphlets—Circular No. 192, a Handbook for Physicians, was made available during the year. This contained a digest of the various State laws and of Regulations of the State Sanitary Code which require that physicians report to health departments in New Jersey cases of communicable diseases and other ailments and facts pertaining to births, still births and deaths. The circular was distributed directly to physicians, and numerous favorable comments on the booklet have been received from members of that profession. Through the co-operation of the State Board of Medical Examiners a copy of the handbook will be furnished each physician when licensed to practice in New Jersey.

The Department's circular on rabies was revised. A new circular on scarlet fever was completed and made available for the use of local health departments. This circular is written in nontechnical terms and includes definite suggestions for concurrent disinfection and for measures to be followed in preventing spread of infection from a case kept at home.

Personnel—At the close of the year the personnel of the Bureau consisted of two assistant epidemiologists, five permanent and one temporary office clerks in addition to the Acting Chief at the central office; a district health officer and clerk at a branch office in Pitman, Gloucester county, and a district health officer at a branch office in Freehold, Monmouth county. The services of one clerk at the Freehold office are furnished by the Monmouth County Board of Freeholders.

Local Boards of Health—The number of local boards of health in the State at the close of 1930 was 563. Three hundred and thirty were in the incorporated municipalities and 233 in townships. A report as required by Chapter 68, P. L. 1887 as amended, was received for 1930 from 562 of these boards. The

total amount reported available for the use of these boards during 1930 was \$2,705,342.97, of which \$271,281.43 was expended for special features such as hospital maintenance, garbage and rubbish collection, and anti-mosquito work. Therefore, the amount reported available to be expended by 562 local boards of health in the State during the year, exclusive of the special features mentioned, was \$2,434,061.54, a per capita amount of 60c. Although, in general, local appropriating bodies in New Jersey are fairly liberal in setting aside funds for the use of health departments, there is a vast difference in the per capita amount made available for this purpose in different communities. In all incorporated municipalities the amount reported available for the use of boards of health in 1930 was 68c. per capita, while in all townships the per capita amount reported available was 23c. With some exceptions, the amount varied in direct ratio to the population of the municipality.

The 562 local boards of health reported a total of 1,692 employees during 1930, 672 or 39% of whom were on a full-time basis. In the 425 incorporated municipalities and townships below 5,000 population there were reported 590 employees of local boards of health of which only 8 were on full-time in the municipality in which employed. The employment last year of a local health officer licensed by this Department was reported in but 6 of 200 townships below 5,000 population.

Efficiency of the work of local health departments in small communities has been the subject of discussion in many states during recent years. From reports received from local boards of health in 1930 it is evident that funds available for the use of these boards in small communities are relatively much less than in large communities in the State. It is also true that few licensed health officers are employed in small communities. The law requiring that there shall be a local board of health in each municipality in New Jersey irrespective of the size or population of the district was enacted in 1887 and although this was a progressive law for that time, public health work has since so expanded that a change in this fundamental law might well be considered at this time. It is recommended that, as promptly as practical, there be enacted a law which would apply only to the six

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counties below 50,000 population, viz., Sussex, Warren, Hunterdon, Somerset, Salem and Cape May. It is recommended that there be established in this law a minimum standard for local health administration which shall be met by any township or incorporated municipality in these counties which desires to maintain its own health department independently. In case any township or municipality does not choose to maintain a health department to meet this standard, it is recommended provision be made in this law whereby all such townships and municipalities, within the boundaries of each of these counties, be joined in a single unit for purposes of health administration, with one board having jurisdiction in the area so combined in the county, empowered to appoint a health officer and other agents and to perform the public health work in the entire district.

There are appended standard morbidity and mortality tables for the State for the calendar year 1930 showing the distribution of reported cases of certain diseases by months and by age periods, and the distribution of cases and deaths from these diseases by age periods and sex. There are also appended tables showing the number of reported cases and deaths from certain diseases by counties, together with the computed case and death rates from these diseases for each county.

REPORTED CASES OF ANTHRAX IN NEW JERSEY

For the Calendar year 1930 by Age Groups and Months

AGE GROUPS	NUMBER OF CASES												
	Total	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
Under 1 year	0	0	0	0	0	0	0	0	0	0	0	0	0
1 year	0	0	0	0	0	0	0	0	0	0	0	0	0
2 years	0	0	0	0	0	0	0	0	0	0	0	0	0
3 years	0	0	0	0	0	0	0	0	0	0	0	0	0
4 years	0	0	0	0	0	0	0	0	0	0	0	0	0
Under 5 years	0	0	0	0	0	0	0	0	0	0	0	0	0
5 to 9 years	0	0	0	0	0	0	0	0	0	0	0	0	0
10 to 14 years	0	0	0	0	0	0	0	0	0	0	0	0	0
15 to 19 years	0	0	0	0	0	0	0	0	0	0	0	0	0
20 to 24 years	0	0	0	0	0	0	0	0	0	0	0	0	0
25 to 34 years	0	0	0	0	0	0	0	0	0	0	0	0	0
35 to 44 years	2	0	1	0	0	0	1	0	0	0	0	0	0
45 to 54 years	1	0	0	0	0	0	0	0	0	0	0	1	0
55 to 64 years	0	0	0	0	0	0	0	0	0	0	0	0	0
65 years and over	0	0	0	0	0	0	0	0	0	0	0	0	0
Age not stated	1	0	0	1	0	0	0	0	0	0	0	0	0
Total	4	0	1	1	0	0	1	0	0	0	0	1	0

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REPORTED CASES AND DEATHS FROM ANTHRAX IN NEW JERSEY

For the Calendar Year 1930 by Age Groups and Sex

AGE GROUPS	Male		Female		Total	
	Cases	Deaths	Cases	Deaths	Cases	Deaths
Under 1 year	0	0	0	0	0	0
1 year	0	0	0	0	0	0
2 years	0	0	0	0	0	0
3 years	0	0	0	0	0	0
4 years	0	0	0	0	0	0
Under 5 years	0	0	0	0	0	0
5 to 9 years	0	0	0	0	0	0
10 to 14 years	0	0	0	0	0	0
15 to 19 years	0	0	0	0	0	0
20 to 24 years	0	0	0	0	0	0
25 to 34 years	0	0	0	0	0	0
35 to 44 years	1	0	1	0	2	0
45 to 54 years	1	0	0	0	1	0
55 to 64 years	0	0	0	0	0	0
65 years and over	0	0	0	0	0	0
Age not stated	1	0	0	0	1	0
Total	3	0	1	0	4	0

REPORTED CASES OF CHICKENPOX IN NEW JERSEY

For the Calendar Year 1930 by Age Groups and Months

AGE GROUPS	NUMBER OF CASES												
	Total	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
Under 1 year	251	58	31	26	28	27	13	3	2	3	7	21	34
1 year	387	68	59	49	31	24	30	15	3	7	9	32	60
2 years	487	80	59	75	73	42	41	10	4	7	9	21	66
3 years	604	116	81	84	70	45	43	16	2	5	17	55	70
4 years	740	126	99	104	76	65	50	14	2	6	23	65	110
Under 5 years	2469	448	329	338	276	203	177	58	13	28	65	194	340
5 to 9 years	6130	1019	945	866	572	479	430	64	12	56	180	651	956
10 to 14 years	689	123	99	100	68	40	46	9	1	8	14	69	112
15 to 19 years	103	23	15	13	17	7	3	3	0	0	4	7	11
20 to 24 years	58	6	9	4	11	2	5	2	2	0	3	4	10
25 to 34 years	71	12	11	8	9	3	4	2	2	1	2	3	14
35 to 44 years	27	4	3	5	1	3	3	0	0	0	0	2	6
45 to 54 years	10	2	3	0	2	1	0	0	0	0	1	0	1
55 to 64 years	2	0	1	0	0	0	0	0	0	0	0	1	0
65 years and over	1	0	0	1	0	0	0	0	0	0	0	0	0
Age not stated	3	1	0	0	0	1	1	0	0	0	0	0	0
Total	9503	1638	1315	1335	956	739	669	138	30	93	269	931	1450

REPORTED CASES AND DEATHS FROM CHICKENPOX IN NEW JERSEY

For Calendar Year 1930 by Age Groups and Sex

AGE GROUPS	Male		Female		Total	
	Cases	Deaths	Cases	Deaths	Cases	Deaths
Under 1 year	124	1	127	0	251	1
1 year	191	1	196	1	387	2
2 years	256	0	231	0	487	0
3 years	282	0	322	0	604	0
4 years	373	0	367	0	740	0
Under 5 years	1226	2	1243	1	2469	3
5 to 9 years	3220	0	2910	0	6130	0
10 to 14 years	360	0	329	0	689	0
15 to 19 years	62	0	41	0	103	0
20 to 24 years	28	0	30	0	58	0
25 to 34 years	34	0	37	0	71	0
35 to 44 years	17	0	10	0	27	0
45 to 54 years	6	0	4	0	10	0
55 to 64 years	0	0	2	0	2	0
65 years and over	1	0	0	0	1	0
Age not stated	2	0	1	0	3	0
Total	4956	2	4607	1	9563	3

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REPORTED CASES OF DIPHTHERIA IN NEW JERSEY

For the Calendar Year 1930 by Age Groups and Months

AGE GROUPS	NUMBER OF CASES											
	Total	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov. Dec.
Under 1 year	75	8	4	14	9	5	7	13	4	3	2	0 6
1 year	194	31	30	21	30	4	16	16	6	12	8	8 12
2 years	312	44	30	42	31	36	20	18	14	13	15	22 27
3 years	362	44	31	52	47	30	26	27	9	25	21	23 27
4 years	390	41	39	48	46	42	32	28	18	18	23	23 32
Under 5 years	1333	168	134	177	163	117	101	102	51	71	69	76 104
5 to 9 years	1554	186	151	190	162	150	147	67	47	84	141	97 132
10 to 14 years	546	84	65	65	45	41	57	23	25	21	33	49 38
15 to 19 years	201	45	27	20	24	21	8	4	10	10	8	9 15
20 to 24 years	165	23	23	20	19	23	10	10	4	6	4	11 12
25 to 34 years	175	20	25	24	16	18	9	12	8	8	12	8 15
35 to 44 years	120	10	11	22	16	8	5	10	2	6	8	7 15
45 to 54 years	45	4	7	7	10	1	4	2	2	3	1	0 4
55 to 64 years	14	1	2	1	3	2	4	0	0	0	0	1 0
65 years and over	4	2	0	0	1	0	0	0	0	0	0	0 0
Age not stated	5	0	1	0	2	1	0	0	0	0	0	0 1
Total	4162	543	446	526	461	382	345	230	149	209	276	258 387

REPORTED CASES AND DEATHS FROM DIPHTHERIA IN NEW JERSEY

For Calendar Year 1930 by Age Groups and Sex

AGE GROUPS	Male		Female		Total	
	Cases	Deaths	Cases	Deaths	Cases	Deaths
Under 1 year	33	5	42	11	75	16
1 year	107	17	87	20	194	37
2 years	161	17	151	23	312	40
3 years	198	20	164	18	362	38
4 years	217	23	173	18	390	41
Under 5 years	716	82	617	90	1333	172
5 to 9 years	809	59	745	48	1554	107
10 to 14 years	262	13	284	16	546	29
15 to 19 years	98	3	103	2	201	5
20 to 24 years	57	3	108	1	165	4
25 to 34 years	54	1	121	3	175	4
35 to 44 years	30	0	90	3	120	3
45 to 54 years	18	1	27	2	45	3
55 to 64 years	6	2	8	0	14	2
65 years and over	2	1	2	1	4	2
Age not stated	1	0	4	0	5	0
Total	2053	165	2109	166	4162	331

REPORTED CASES OF DYSENTERY IN NEW JERSEY

For the Calendar Year 1930 by Age Groups and Months

AGE GROUPS	NUMBER OF CASES											
	Total	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov. Dec.
Under 1 year	2	0	0	0	0	0	1	0	0	1	0	0 0
1 year	1	0	0	0	0	0	0	1	0	0	0	0 0
2 years	2	0	0	1	0	0	0	0	0	0	1	0 0
3 years	0	0	0	0	0	0	0	0	0	0	0	0 0
4 years	2	0	0	0	0	0	0	0	1	0	1	0 0
Under 5 years	7	0	0	1	0	0	1	1	1	1	2	0 0
5 to 9 years	0	0	0	0	0	0	0	0	0	0	0	0 0
10 to 14 years	0	0	0	0	0	0	0	0	0	0	0	0 0
15 to 19 years	1	0	0	0	1	0	0	0	0	0	0	0 0
20 to 24 years	0	0	0	0	0	0	0	0	0	0	0	0 0
25 to 34 years	2	0	0	0	1	0	0	0	1	0	0	0 0
35 to 44 years	0	0	0	0	0	0	0	0	0	0	0	0 0
45 to 54 years	0	0	0	0	0	0	0	0	0	0	0	0 0
55 to 64 years	5	1	0	0	0	0	0	1	0	1	0	2 0
65 years and over	5	0	0	0	0	0	0	0	0	0	0	5 0
Age not stated	0	0	0	0	0	0	0	0	0	0	0	0 0
Total	20	1	0	1	2	0	1	2	2	2	7	0

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REPORTED CASES AND DEATHS FROM DYSENTERY IN NEW JERSEY

For the Calendar Year 1930 by Age Groups and Sex

AGE GROUPS	Male		Female		Total	
	Cases	Deaths	Cases	Deaths	Cases	Deaths
Under 1 year	0	1	2	2	2	3
1 year	0	1	1	0	1	1
2 years	2	1	0	0	2	1
3 years	0	0	0	0	0	0
4 years	1	0	1	1	2	1
Under 5 years	3	3	4	3	7	6
5 to 9 years	0	0	0	0	0	0
10 to 14 years	0	0	0	0	0	0
15 to 19 years	0	0	1	1	1	1
20 to 24 years	0	0	0	0	0	0
25 to 34 years	1	1	1	0	2	1
35 to 44 years	0	0	0	0	0	0
45 to 54 years	0	1	0	0	0	1
55 to 64 years	4	2	1	2	5	4
65 years and over	5	1	0	1	5	2
Age not stated	0	0	0	0	0	0
Total	13	8	7	7	20	15

REPORTED CASES OF EPIDEMIC CEREBROSPINAL MENINGITIS IN NEW JERSEY

For the Calendar Year 1930 by Age Groups and Months

AGE GROUPS	NUMBER OF CASES												
	Total	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Under 1 year	17	3	3	1	0	0	1	1	0	0	1	5	2
1 year	10	0	1	1	0	2	2	1	1	1	1	0	0
2 years	12	1	2	1	2	1	2	0	0	1	0	2	0
3 years	11	2	3	3	0	0	0	2	0	0	1	0	0
4 years	10	0	1	0	2	3	0	1	1	0	1	1	0
Under 5 years	60	6	9	7	4	6	5	5	2	2	4	8	2
5 to 9 years	28	4	5	4	1	5	0	3	0	1	3	1	1
10 to 14 years	38	4	3	3	2	5	5	2	10	2	0	1	1
15 to 19 years	24	1	1	7	5	1	0	1	4	1	0	2	1
20 to 24 years	15	4	2	1	2	1	3	1	0	1	0	0	0
25 to 34 years	20	4	2	2	1	1	3	3	0	1	1	1	1
35 to 44 years	9	1	1	1	1	2	0	0	2	0	0	1	0
45 to 54 years	9	2	1	1	0	1	0	1	0	2	0	0	1
55 to 64 years	3	0	1	0	0	0	1	0	0	0	0	0	1
65 years and over	1	0	0	0	0	0	0	0	1	0	0	0	0
Age not stated	1	0	0	0	0	1	0	0	0	0	0	0	0
Total	208	26	25	26	16	24	16	16	19	10	8	14	8

REPORTED CASES AND DEATHS FROM EPIDEMIC CEREBROSPINAL MENINGITIS IN NEW JERSEY

For the Calendar Year 1930 by Age Groups and Sex

AGE GROUPS	Male		Female		Total	
	Cases	Deaths	Cases	Deaths	Cases	Deaths
Under 1 year	9	2	8	4	17	6
1 year	6	0	4	2	10	2
2 years	7	3	5	1	12	4
3 years	6	1	5	1	11	2
4 years	5	1	5	2	10	3
Under 5 years	33	7	27	10	60	17
5 to 9 years	17	4	11	6	28	10
10 to 14 years	28	30	7	8	38	10
15 to 19 years	18	6	6	2	24	8
20 to 24 years	13	2	2	2	15	4
25 to 34 years	12	5	8	6	20	11
35 to 44 years	5	3	4	2	9	5
45 to 54 years	4	3	5	3	9	6
55 to 64 years	3	1	0	0	3	1
65 years and over	1	0	0	0	1	0
Age not stated	1	0	0	0	1	0
Total	137	38	71	34	208	72

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REPORTED CASES OF GERMAN MEASLES IN NEW JERSEY

For the Calendar Year 1930 by Age Groups and Months

AGE GROUPS	-NUMBER OF CASES-												
	Total	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
Under 1 year	76	2	6	12	17	12	8	9	2	2	2	1	3
1 year	97	3	9	21	21	15	14	0	3	5	1	3	2
2 years	121	8	16	27	27	24	13	4	0	0	0	2	0
3 years	156	7	16	29	35	34	19	7	0	5	1	2	1
4 years	173	9	19	32	42	38	19	7	3	1	1	0	2
Under 5 years	623	29	66	121	142	123	73	27	8	13	5	8	8
5 to 9 years	2588	104	319	690	696	452	263	30	1	5	6	13	9
10 to 14 years	1413	56	159	439	419	263	67	2	2	2	3	1	0
15 to 19 years	546	10	37	165	166	108	31	4	2	0	0	3	0
20 to 24 years	118	5	11	32	41	14	10	2	0	0	1	2	0
25 to 34 years	80	3	6	21	24	18	7	0	0	0	1	0	0
35 to 44 years	42	0	5	15	11	9	1	0	0	0	0	0	1
45 to 54 years	5	0	1	1	2	1	0	0	0	0	0	0	0
55 to 64 years	0	0	0	0	0	0	0	0	0	0	0	0	0
65 years and over	2	0	0	0	2	0	0	0	0	0	0	0	0
Age not stated	9	0	0	2	2	3	2	0	0	0	0	0	0
Total	5426	207	624	1486	1505	991	454	65	13	21	15	27	18

REPORTED CASES AND DEATHS FROM GERMAN MEASLES IN NEW JERSEY

For the Calendar Year 1930 by Age Groups and Sex

AGE GROUPS	Male		Female		Total	
	Cases	Deaths	Cases	Deaths	Cases	Deaths
Under 1 year	45	0	31	0	76	0
1 year	51	1	46	0	97	1
2 years	57	0	64	0	121	0
3 years	78	0	78	0	156	0
4 years	90	0	83	0	173	0
Under 5 years	321	1	302	0	623	1
5 to 9 years	1250	0	1338	0	2588	0
10 to 14 years	669	0	744	0	1413	0
15 to 19 years	269	0	277	0	546	0
20 to 24 years	44	0	74	0	118	0
25 to 34 years	23	0	57	0	80	0
35 to 44 years	7	0	35	0	42	0
45 to 54 years	1	0	4	0	5	0
55 to 64 years	0	0	0	0	0	0
65 years and over	1	0	1	0	2	0
Age not stated	3	0	6	0	9	0
Total	2588	1	2838	0	5426	1

REPORTED CASES OF INFLUENZA IN NEW JERSEY

For the Calendar Year 1930 by Age Groups and Months

AGE GROUPS	-NUMBER OF CASES-												
	Total	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
Under 1 year	9	4	0	3	0	0	0	0	0	0	0	1	1
1 year	14	2	6	0	1	0	0	0	0	0	0	1	4
2 years	12	1	4	2	0	0	0	0	0	0	0	3	2
3 years	13	1	4	1	1	0	1	0	0	0	2	1	2
4 years	12	2	1	1	4	1	0	0	0	0	1	1	1
Under 5 years	60	10	15	7	6	1	1	0	0	0	3	7	10
5 to 9 years	41	7	6	8	7	2	1	0	0	0	2	1	7
10 to 14 years	23	0	3	2	4	1	0	1	2	1	2	1	6
15 to 19 years	30	3	5	7	3	4	2	0	0	0	1	4	1
20 to 24 years	42	8	3	7	7	2	0	0	1	1	2	5	6
25 to 34 years	86	8	8	13	10	8	3	3	0	1	4	9	19
35 to 44 years	91	9	18	15	12	6	2	1	3	2	7	4	12
45 to 54 years	71	9	8	14	12	2	4	1	2	1	2	6	10
55 to 64 years	47	10	9	10	4	2	0	0	1	0	1	4	6
65 years and over	49	3	7	12	8	2	1	0	1	3	3	2	7
Age not stated	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	540	67	82	95	73	30	14	6	10	9	27	43	84

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REPORTED CASES AND DEATHS FROM INFLUENZA IN NEW JERSEY

For the Calendar Year 1930 by Age Groups and Sex

AGE GROUPS	Male		Female		Total	
	Cases	Deaths	Cases	Deaths	Cases	Deaths
Under 1 year	4	24	5	20	9	44
1 year	8	3	6	2	14	5
2 years	7	3	5	1	12	4
3 years	9	1	4	0	13	1
4 years	7	3	5	1	12	4
Under 5 years	35	34	25	24	60	58
5 to 9 years	23	9	18	5	41	14
10 to 14 years	11	3	12	5	23	8
15 to 19 years	14	3	16	5	30	8
20 to 24 years	16	6	26	4	42	10
25 to 34 years	43	9	43	11	86	20
35 to 44 years	47	27	44	21	91	48
45 to 54 years	40	28	31	21	71	49
55 to 64 years	21	24	26	24	47	48
65 years and over	25	37	24	51	49	88
Age not stated	0	0	0	0	0	0
Total	275	180	265	171	540	351

REPORTED CASES OF MALARIA IN NEW JERSEY

For the Calendar Year 1930 by Age Groups and Months

AGE GROUPS	NUMBER OF CASES											
	Total	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov. Dec.
Under 1 year	0	0	0	0	0	0	0	0	0	0	0	0
1 year	0	0	0	0	0	0	0	0	0	0	0	0
2 years	0	0	0	0	0	0	0	0	0	0	0	0
3 years	0	0	0	0	0	0	0	0	0	0	0	0
4 years	0	0	0	0	0	0	0	0	0	0	0	0
Under 5 years	0	0	0	0	0	0	0	0	0	0	0	0
5 to 9 years	0	0	0	0	0	0	0	0	0	0	0	0
10 to 14 years	0	0	0	0	0	0	0	0	0	0	0	0
15 to 19 years	2	0	0	1	0	0	0	1	0	0	0	0
20 to 24 years	2	0	0	0	0	0	1	0	0	1	0	0
25 to 34 years	4	1	0	0	0	0	1	1	0	0	1	0
35 to 44 years	3	0	0	0	0	1	1	0	1	0	0	0
45 to 54 years	2	0	0	0	0	0	0	0	0	2	0	0
55 to 64 years	0	0	0	0	0	0	0	0	0	0	0	0
65 years and over	1	0	0	0	1	0	0	0	0	0	0	0
Age not stated	0	0	0	0	0	0	0	0	0	0	0	0
Total	14	1	0	1	1	1	1	2	3	0	3	1 0

REPORTED CASES AND DEATHS FROM MALARIA IN NEW JERSEY

For the Calendar Year 1930 by Age Groups and Sex

AGE GROUPS	Male		Female		Total	
	Cases	Deaths	Cases	Deaths	Cases	Deaths
Under 1 year	0	0	0	0	0	0
1 year	0	0	0	0	0	0
2 years	0	0	0	0	0	0
3 years	0	0	0	0	0	0
4 years	0	0	0	0	0	0
Under 5 years	0	0	0	0	0	0
5 to 9 years	0	0	0	0	0	0
10 to 14 years	0	0	0	1	0	1
15 to 19 years	1	0	1	0	2	0
20 to 24 years	1	0	1	0	2	0
25 to 34 years	2	0	2	0	4	0
35 to 44 years	2	0	1	1	3	1
45 to 54 years	1	0	1	0	2	0
55 to 64 years	0	0	0	0	0	0
65 years and over	0	1	1	1	1	2
Age not stated	0	0	0	0	0	0
Total	7	1	7	3	14	4

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REPORTED CASES OF MEASLES IN NEW JERSEY

For the Calendar Year 1930 by Age Groups and Months

AGE GROUPS	NUMBER OF CASES												
	Total	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
Under 1 year	490	37	57	66	95	98	63	27	9	4	1	7	26
1 year	1195	44	80	139	270	286	202	81	26	8	10	15	34
2 years	1776	49	125	214	385	452	310	134	21	7	6	25	48
3 years	1978	79	108	234	472	517	329	130	19	4	9	27	50
4 years	2313	67	126	298	582	539	408	163	22	6	13	34	55
Under 5 years	7752	276	496	951	1804	1892	1312	535	97	29	39	108	213
5 to 9 years	14484	550	1006	1919	3628	3249	2593	622	59	34	114	298	412
10 to 14 years	1627	101	135	206	368	366	280	61	8	8	9	25	60
15 to 19 years	323	9	36	70	75	73	38	12	2	0	1	1	6
20 to 24 years	165	8	19	29	44	36	16	10	0	0	0	1	2
25 to 34 years	149	6	9	29	28	40	26	8	1	1	0	1	0
35 to 44 years	47	1	7	7	11	14	3	0	0	0	1	1	2
45 to 54 years	22	0	2	1	8	3	4	0	0	0	0	3	1
55 to 64 years	11	0	5	0	2	1	0	1	0	0	1	0	1
65 years and over	3	0	0	0	0	1	1	0	0	1	0	0	0
Age not stated	36	0	3	2	13	4	8	1	0	0	0	0	5
Total	24619	951	1718	3214	5981	5679	4281	1250	167	73	165	438	702

REPORTED CASES AND DEATHS FROM MEASLES IN NEW JERSEY

For the Calendar Year 1930 by Age Groups and Sex

AGE GROUPS	Male		Female		Total	
	Cases	Deaths	Cases	Deaths	Cases	Deaths
Under 1 year	256	13	234	10	490	23
1 year	611	25	584	28	1195	51
2 years	904	8	872	6	1776	14
3 years	986	7	992	5	1978	12
4 years	1209	6	1104	2	2313	8
Under 5 years	3966	59	3786	49	7752	108
5 to 9 years	7440	9	7044	6	14484	15
10 to 14 years	751	1	876	0	1627	1
15 to 19 years	151	0	172	1	323	1
20 to 24 years	75	0	90	0	165	0
25 to 34 years	55	0	94	0	149	0
35 to 44 years	17	0	30	0	47	0
45 to 54 years	9	0	13	0	22	0
55 to 64 years	2	0	9	1	11	1
65 years and over	0	0	3	0	3	0
Age not stated	19	0	17	0	36	0
Total	12485	69	12134	57	24619	126

REPORTED CASES OF PARA-TYPHOID FEVER IN NEW JERSEY

For the Calendar Year 1930 by Age Groups and Months

AGE GROUPS	NUMBER OF CASES												
	Total	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
Under 1 year	0	0	0	0	0	0	0	0	0	0	0	0	0
1 year	0	0	0	0	0	0	0	0	0	0	0	0	0
2 years	0	0	0	0	0	0	0	0	0	0	0	0	0
3 years	0	0	0	0	0	0	0	0	0	0	0	0	0
4 years	0	0	0	0	0	0	0	0	0	0	0	0	0
Under 5 years	0	0	0	0	0	0	0	0	0	0	0	0	0
5 to 9 years	1	0	0	0	1	0	0	0	0	0	0	0	0
10 to 14 years	1	0	0	0	0	0	0	0	1	0	0	0	0
15 to 19 years	4	0	0	0	1	0	0	0	2	0	0	0	1
20 to 24 years	1	0	0	0	0	0	0	0	0	0	0	1	0
25 to 34 years	0	0	0	0	0	0	0	0	0	0	0	0	0
35 to 44 years	3	0	0	0	1	0	0	0	0	1	0	1	0
45 to 54 years	0	0	0	0	0	0	0	0	0	0	0	0	0
55 to 64 years	3	1	0	0	1	0	0	0	0	0	0	1	0
65 years and over	0	0	0	0	0	0	0	0	0	0	0	0	0
Age not stated	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	13	1	0	0	4	0	0	0	3	1	0	3	1

DEPARTMENT OF HEALTH

REPORTED CASES AND DEATHS FROM PARA-TYPHOID FEVER IN NEW JERSEY

For the Calendar Year 1930 by Age Groups and Sex

AGE GROUPS	Male		Female		Total	
	Cases	Deaths	Cases	Deaths	Cases	Deaths
Under 1 year	0	0	0	0	0	0
1 year	0	0	0	0	0	0
2 years	0	0	0	0	0	0
3 years	0	0	0	0	0	0
4 years	0	0	0	0	0	0
Under 5 years	0	0	0	0	0	0
5 to 9 years	1	0	0	0	1	0
10 to 14 years	0	0	1	0	1	0
15 to 19 years	2	0	2	0	4	0
20 to 24 years	0	0	1	0	1	0
25 to 34 years	0	0	0	0	0	0
35 to 44 years	3	0	0	0	3	0
45 to 54 years	0	0	0	0	0	0
55 to 64 years	1	1	2	0	3	1
65 years and over	0	0	0	0	0	0
Age not stated	0	0	0	0	0	0
Total	7	1	6	0	13	1

REPORTED CASES OF PNEUMONIA IN NEW JERSEY

For the Calendar Year 1930 by Age Groups and Months

AGE GROUPS	NUMBER OF CASES											
	Total	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov. Dec.
Under 1 year	558	94	128	82	59	39	26	19	4	10	22	20 46
1 year	395	61	75	59	49	46	23	11	9	7	19	17 28
2 years	271	32	62	47	35	27	16	8	2	2	5	11 24
3 years	197	33	50	26	20	16	10	1	2	4	11	6 18
4 years	174	29	29	29	24	18	9	3	1	5	8	8 11
Under 5 years	1595	249	344	243	187	146	84	42	18	28	56	71 127
5 to 9 years	523	63	101	88	93	44	32	12	8	8	25	23 26
10 to 14 years	163	18	26	26	24	13	7	3	3	4	12	15 12
15 to 19 years	175	20	18	26	21	15	8	4	5	7	10	20 21
20 to 24 years	163	19	19	27	23	17	2	4	9	6	7	12 18
25 to 34 years	392	47	54	55	55	34	10	11	7	20	25	40 34
35 to 44 years	447	78	51	53	51	37	17	15	15	15	29	37 49
45 to 54 years	431	53	67	66	56	38	19	10	12	15	30	24 41
55 to 64 years	390	64	58	49	32	31	18	9	6	17	17	39 30
65 years and over	473	72	74	70	69	37	14	14	10	16	19	31 47
Age not stated	8	0	1	2	0	3	0	0	0	0	0	2 0
Total	4760	683	813	705	631	415	211	124	93	136	230	314 405

REPORTED CASES AND DEATHS FROM PNEUMONIA IN NEW JERSEY

For the Calendar Year 1930 by Age Groups and Sex

AGE GROUPS	Male		Female		Total	
	Cases	Deaths	Cases	Deaths	Cases	Deaths
Under 1 year	297	383	261	309	558	692
1 year	233	117	162	86	395	203
2 years	154	39	117	32	271	71
3 years	112	24	85	20	197	44
4 years	82	12	92	17	174	29
Under 5 years	878	575	717	464	1595	1039
5 to 9 years	291	34	232	44	523	78
10 to 14 years	101	11	62	20	163	31
15 to 19 years	116	33	59	27	175	60
20 to 24 years	112	30	51	34	163	64
25 to 34 years	231	96	161	82	392	178
35 to 44 years	299	204	148	83	447	287
45 to 54 years	298	258	133	118	431	376
55 to 64 years	229	219	161	155	390	374
65 years and over	216	299	257	362	473	661
Age not stated	5	0	3	0	8	0
Total	2776	1759	1984	1389	4760	3148

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REPORTED CASES OF POLIOMYELITIS IN NEW JERSEY

For the Calendar Year 1930 by Age Groups and Months

AGE GROUPS	NUMBER OF CASES												
	Total	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
Under 1 year	4	1	0	0	0	0	0	0	1	0	1	1	0
1 year	7	0	1	0	1	0	0	0	0	1	3	0	1
2 years	3	0	0	0	0	0	0	1	1	1	0	0	0
3 years	8	0	0	0	1	0	0	0	1	5	1	0	0
4 years	5	0	1	0	0	0	1	0	0	0	1	2	0
Under 5 years	27	1	2	0	2	0	1	1	3	7	6	3	1
5 to 9 years	20	0	2	1	0	0	0	1	5	6	4	1	0
10 to 14 years	4	0	0	0	0	0	0	1	1	0	2	0	0
15 to 19 years	5	0	0	0	0	0	0	0	0	1	3	1	0
20 to 24 years	2	0	0	1	0	0	0	1	0	0	0	0	0
25 to 34 years	1	0	0	0	0	0	0	0	1	0	0	0	0
35 to 44 years	0	0	0	0	0	0	0	0	0	0	0	0	0
45 to 54 years	0	0	0	0	0	0	0	0	0	0	0	0	0
55 to 64 years	0	0	0	0	0	0	0	0	0	0	0	0	0
65 years and over	0	0	0	0	0	0	0	0	0	0	0	0	0
Age not stated	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	59	1	4	2	2	0	1	4	10	14	15	5	1

REPORTED CASES AND DEATHS FROM POLIOMYELITIS IN NEW JERSEY

For the Calendar Year 1930 by Age Groups and Sex

AGE GROUPS	Male		Female		Total	
	Cases	Deaths	Cases	Deaths	Cases	Deaths
Under 1 year	2	1	2	1	4	2
1 year	6	2	1	1	7	3
2 years	2	1	1	0	3	1
3 years	4	0	4	0	8	0
4 years	3	0	2	0	5	0
Under 5 years	17	4	10	2	27	6
5 to 9 years	12	2	8	3	20	5
10 to 14 years	2	1	2	1	4	2
15 to 19 years	2	0	3	0	5	0
20 to 24 years	0	0	2	1	2	1
25 to 34 years	0	0	1	0	1	0
35 to 44 years	0	0	0	1	0	1
45 to 54 years	0	1	0	0	0	1
55 to 64 years	0	0	0	0	0	0
65 years and over	0	0	0	0	0	0
Age not stated	0	0	0	0	0	0
Total	33	8	26	8	59	16

REPORTED CASES OF SCARLET FEVER IN NEW JERSEY

For the Calendar Year 1930 by Age Groups and Months

AGE GROUPS	NUMBER OF CASES												
	Total	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
Under 1 year	32	3	6	7	2	5	1	0	2	1	0	5	0
1 year	100	19	21	14	12	11	2	2	1	1	3	9	5
2 years	289	47	34	46	52	30	7	3	4	6	12	22	26
3 years	465	79	72	59	54	49	27	8	8	9	18	32	50
4 years	535	79	72	73	78	59	27	9	8	13	18	41	58
Under 5 years	1421	227	205	199	198	154	64	22	23	30	51	109	139
5 to 9 years	3582	489	469	524	456	396	235	59	32	77	180	262	403
10 to 14 years	1470	189	172	256	219	179	106	16	9	33	55	102	134
15 to 19 years	427	50	77	89	59	41	26	5	3	4	18	20	35
20 to 24 years	248	33	32	41	39	33	13	5	2	3	11	17	19
25 to 34 years	303	41	33	56	34	25	18	9	5	2	15	29	36
35 to 44 years	118	17	18	22	18	18	3	1	0	1	6	1	13
45 to 54 years	37	6	2	6	5	4	2	0	1	1	2	2	6
55 to 64 years	5	0	2	2	1	0	0	0	0	0	0	0	0
65 years and over	0	0	0	0	0	0	0	0	0	0	0	0	0
Age not stated	9	0	2	1	0	3	0	1	0	0	0	2	0
Total	7620	1052	1012	1196	1029	853	467	118	75	151	338	544	785

DEPARTMENT OF HEALTH

REPORTED CASES AND DEATHS FROM SCARLET FEVER IN NEW JERSEY

For the Calendar Year 1930 by Age Groups and Sex

AGE GROUPS	Male		Female		Total	
	Cases	Deaths	Cases	Deaths	Cases	Deaths
Under 1 year	18	1	14	0	32	1
1 year	52	1	48	4	100	5
2 years	148	4	141	2	289	6
3 years	218	4	247	3	465	7
4 years	283	5	232	1	535	6
Under 5 years	719	15	702	10	1421	25
5 to 9 years	1782	10	1800	8	3582	18
10 to 14 years	693	4	777	4	1470	8
15 to 19 years	214	1	213	2	427	3
20 to 24 years	88	0	160	1	248	1
25 to 34 years	105	0	188	0	303	0
35 to 44 years	46	0	72	1	118	1
45 to 54 years	13	0	24	0	37	0
55 to 64 years	0	1	5	1	5	2
65 years and over	0	0	0	0	0	0
Age not stated	3	0	6	0	9	0
Total	3663	31	3957	27	7620	58

REPORTED CASES OF SMALLPOX IN NEW JERSEY

For the Calendar Year 1930 by Age Groups and Months

AGE GROUPS	NUMBER OF CASES												
	Total	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
Under 1 year	0	0	0	0	0	0	0	0	0	0	0	0	0
1 year	0	0	0	0	0	0	0	0	0	0	0	0	0
2 years	0	0	0	0	0	0	0	0	0	0	0	0	0
3 years	0	0	0	0	0	0	0	0	0	0	0	0	0
4 years	0	0	0	0	0	0	0	0	0	0	0	0	0
Under 5 years	0	0	0	0	0	0	0	0	0	0	0	0	0
5 to 9 years	0	0	0	0	0	0	0	0	0	0	0	0	0
10 to 14 years	0	0	0	0	0	0	0	0	0	0	0	0	0
15 to 19 years	0	0	0	0	0	0	0	0	0	0	0	0	0
20 to 24 years	0	0	0	0	0	0	0	0	0	0	0	0	0
25 to 34 years	0	0	0	0	0	0	0	0	0	0	0	0	0
35 to 44 years	0	0	0	0	0	0	0	0	0	0	0	0	0
45 to 54 years	1	0	0	0	1	0	0	0	0	0	0	0	0
55 to 64 years	0	0	0	0	0	0	0	0	0	0	0	0	0
65 years and over	0	0	0	0	0	0	0	0	0	0	0	0	0
Age not stated	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	1	0	0	0	1	0	0	0	0	0	0	0	0

REPORTED CASES AND DEATHS FROM SMALLPOX IN NEW JERSEY

For the Calendar Year 1930 by Age Groups and Sex

AGE GROUPS	Male		Female		Total	
	Cases	Deaths	Cases	Deaths	Cases	Deaths
Under 1 year	0	0	0	0	0	0
1 year	0	0	0	0	0	0
2 years	0	0	0	0	0	0
3 years	0	0	0	0	0	0
4 years	0	0	0	0	0	0
Under 5 years	0	0	0	0	0	0
5 to 9 years	0	0	0	0	0	0
10 to 14 years	0	0	0	0	0	0
15 to 19 years	0	0	0	0	0	0
20 to 24 years	0	0	0	0	0	0
25 to 34 years	0	0	0	0	0	0
35 to 44 years	0	0	0	0	0	0
45 to 54 years	1	0	0	0	1	0
55 to 64 years	0	0	0	0	0	0
65 years and over	0	0	0	0	0	0
Age not stated	0	0	0	0	0	0
Total	1	0	0	0	1	0

LOCAL HEALTH ADMINISTRATION

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REPORTED CASES OF TUBERCULOSIS IN NEW JERSEY

For the Calendar Year 1930 by Age Groups and Months

AGE GROUPS	NUMBER OF CASES												
	Total	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
Under 1 year	21	2	2	1	2	2	1	2	3	3	1	0	2
1 year	25	3	1	2	3	5	1	0	4	2	1	1	2
2 years	20	1	2	2	3	3	1	2	1	0	2	2	1
3 years	17	2	0	2	0	0	3	3	1	2	0	2	2
4 years	20	5	0	3	2	6	2	5	3	2	0	1	0
Under 5 years	112	13	5	10	10	16	8	12	12	9	4	6	7
5 to 9 years	219	9	6	6	25	35	23	25	29	20	17	15	9
10 to 14 years	312	13	17	27	38	49	24	36	37	16	19	17	19
15 to 19 years	506	50	37	35	48	59	48	61	35	47	34	27	25
20 to 24 years	745	64	67	54	73	64	78	57	70	66	58	45	49
25 to 34 years	1234	104	112	119	109	87	104	101	96	112	107	85	98
35 to 44 years	971	79	94	72	93	95	73	81	78	67	85	64	90
45 to 54 years	690	63	64	64	72	60	62	54	69	58	39	50	44
55 to 64 years	324	30	25	37	28	26	28	28	28	21	24	24	25
65 years and over	151	14	10	16	9	13	18	14	16	18	7	8	8
Age not stated	33	2	4	2	3	6	2	3	0	1	3	4	3
Total	5306	441	441	442	508	510	468	472	470	435	397	345	377

REPORTED CASES AND DEATHS FROM TUBERCULOSIS IN NEW JERSEY

For the Calendar Year 1930 by Age Groups and Sex

AGE GROUPS	Male		Female		Total	
	Cases	Deaths	Cases	Deaths	Cases	Deaths
Under 1 year	8	16	13	14	21	30
1 year	13	17	12	18	25	35
2 years	9	3	11	6	20	9
3 years	8	5	9	4	17	9
4 years	16	8	13	4	29	12
Under 5 years	54	49	58	46	112	95
5 to 9 years	101	21	118	21	219	42
10 to 14 years	132	25	180	31	312	56
15 to 19 years	200	69	306	147	506	216
20 to 24 years	292	125	453	169	745	294
25 to 34 years	585	292	649	317	1234	609
35 to 44 years	634	384	337	187	971	571
45 to 54 years	518	355	181	114	699	469
55 to 64 years	223	203	101	85	324	288
65 years and over	107	98	44	67	151	165
Age not stated	13	0	20	0	33	0
Total	2859	1621	2447	1184	5306	2805

REPORTED CASES OF TYPHOID FEVER IN NEW JERSEY

For the Calendar Year 1930 by Age Groups and Months

AGE GROUPS	NUMBER OF CASES											
	Total	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov. Dec.
Under 1 year	0	0	0	0	0	0	0	0	0	0	0	0
1 year	1	0	0	0	0	0	0	0	0	0	0	1
2 years	4	0	0	1	0	0	0	0	1	1	1	0
3 years	2	0	0	0	0	0	0	0	0	0	1	1
4 years	8	0	0	0	0	0	1	0	2	2	1	2
Under 5 years	15	0	0	1	0	0	1	0	3	3	3	1
5 to 9 years	35	2	0	0	2	1	2	0	8	10	7	2
10 to 14 years	48	0	1	1	1	2	3	5	8	12	10	4
15 to 19 years	54	2	1	4	0	3	6	4	14	9	4	3
20 to 24 years	39	3	0	1	2	2	1	2	11	10	4	2
25 to 34 years	64	2	4	5	2	2	2	4	9	14	6	6
35 to 44 years	37	1	1	2	0	1	4	4	6	3	6	3
45 to 54 years	19	3	1	0	1	0	1	3	2	1	4	3
55 to 64 years	13	1	0	2	0	1	2	0	1	5	0	1
65 years and over	4	0	0	0	1	0	2	0	0	0	0	1
Age not stated	6	0	0	0	0	0	0	2	1	2	0	1
Total	334	14	8	16	9	12	24	24	63	69	44	32

DEPARTMENT OF HEALTH

REPORTED CASES AND DEATHS FROM TYPHOID FEVER IN NEW JERSEY

For the Calendar Year 1930 by Age Groups and Sex

AGE GROUPS	Male		Female		Total	
	Cases	Deaths	Cases	Deaths	Cases	Deaths
Under 1 year	0	0	0	0	0	0
1 year	1	1	0	0	1	1
2 years	3	0	1	0	4	0
3 years	2	0	0	0	2	0
4 years	5	0	3	0	8	0
Under 5 years	11	1	4	0	15	1
5 to 9 years	17	2	18	1	35	3
10 to 14 years	30	1	18	0	48	1
15 to 19 years	32	7	22	4	54	11
20 to 24 years	27	2	12	3	39	5
25 to 34 years	35	7	29	1	64	8
35 to 44 years	14	1	23	7	37	8
45 to 54 years	11	3	8	2	19	5
55 to 64 years	6	2	7	0	13	2
65 years and over	4	1	0	0	4	1
Age not stated	1	0	5	0	6	0
Total	188	27	146	18	334	45

REPORTED CASES OF WHOOPING COUGH IN NEW JERSEY

For the Calendar Year 1930 by Age Groups and Months

AGE GROUPS	NUMBER OF CASES												
	Total	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
Under 1 year	396	60	38	31	38	23	21	29	28	28	31	27	42
1 year	454	69	51	49	35	35	30	38	28	33	21	24	41
2 years	587	79	53	66	35	42	49	53	44	41	36	35	54
3 years	649	98	64	74	56	49	46	51	44	48	38	27	54
4 years	665	88	83	84	52	49	39	51	38	34	46	41	60
Under 5 years	2751	394	289	304	216	198	185	222	182	184	172	154	251
5 to 9 years	2230	350	265	297	206	135	119	111	77	105	102	192	271
10 to 14 years	164	36	24	14	12	13	6	6	6	8	8	9	22
15 to 19 years	16	1	2	3	1	2	3	0	1	1	1	0	1
20 to 24 years	10	0	0	1	1	0	1	1	2	1	1	1	1
25 to 34 years	20	3	2	3	6	0	3	4	0	1	1	1	2
35 to 44 years	11	0	2	1	2	0	0	2	1	0	1	1	1
45 to 54 years	3	0	0	0	0	0	2	0	1	0	0	0	0
55 to 64 years	1	0	0	0	0	1	0	0	0	0	0	0	0
65 years and over	4	2	0	0	0	0	0	0	0	0	0	1	1
Age not stated	5	2	2	0	0	0	0	0	0	1	0	0	0
Total	5215	788	586	623	438	349	319	346	270	301	286	359	550

REPORTED CASES AND DEATHS FROM WHOOPING COUGH IN NEW JERSEY

For the Calendar Year 1930 by Age Groups and Sex

AGE GROUPS	Male		Female		Total	
	Cases	Deaths	Cases	Deaths	Cases	Deaths
Under 1 year	208	34	188	23	396	57
1 year	224	6	230	14	454	20
2 years	282	3	305	2	587	5
3 years	305	2	344	2	649	4
4 years	311	1	354	2	665	3
Under 5 years	1330	46	1421	43	2751	89
5 to 9 years	1041	0	1189	1	2230	1
10 to 14 years	78	0	86	0	164	0
15 to 19 years	11	0	5	0	16	0
20 to 24 years	2	0	8	0	10	0
25 to 34 years	6	0	14	0	20	0
35 to 44 years	3	0	8	0	11	0
45 to 54 years	0	0	3	0	3	0
55 to 64 years	0	0	1	0	1	0
65 years and over	0	0	4	0	4	0
Age not stated	2	0	3	0	5	0
Total	2473	46	2742	44	5215	90

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REPORTED CASES OF LETHARGIC ENCEPHALITIS IN NEW JERSEY

From July 1, 1930, to December 31, 1930, by Age Groups and Months

AGE GROUPS	Number of Cases						
	Total	July	Aug.	Sept.	Oct.	Nov.	Dec.
Under 1 year	0	0	0	0	0	0	0
1 year	0	0	0	0	0	0	0
2 years	2	0	0	0	2	0	0
3 years	0	0	0	0	0	0	0
4 years	0	0	0	0	0	0	0
Under 5 years	2	0	0	0	2	0	0
5 to 9 years	2	1	0	0	1	0	0
10 to 14 years	1	0	0	0	0	0	1
15 to 19 years	1	0	0	0	0	1	0
20 to 24 years	2	0	0	0	1	0	1
25 to 34 years	0	0	0	0	0	0	0
35 to 44 years	2	0	0	0	1	0	1
45 to 54 years	0	0	0	0	0	0	0
55 to 64 years	0	0	0	0	0	0	0
65 years and over	1	0	0	0	0	0	1
Age not stated	0	0	0	0	0	0	0
Total	11	1	0	0	5	1	4

REPORTED CASES AND *DEATHS FROM LETHARGIC ENCEPHALITIS IN NEW JERSEY

From July 1, 1930, to December 31, 1930, by Age Groups and Sex

AGE GROUPS	Male		Female		Total	
	Cases	Deaths	Cases	Deaths	Cases	Deaths
Under 1 year	0	0	0	0	0	0
1 year	0	0	0	0	0	0
2 years	2	0	0	0	2	0
3 years	0	0	0	0	0	0
4 years	0	0	0	0	0	0
Under 5 years	2	0	0	0	2	0
5 to 9 years	0	0	2	0	2	0
10 to 14 years	1	0	0	0	1	0
15 to 19 years	1	0	0	0	1	0
20 to 24 years	2	0	0	0	2	0
25 to 34 years	0	0	0	0	0	0
35 to 44 years	2	0	0	0	2	0
45 to 54 years	0	0	0	0	0	0
55 to 64 years	0	0	0	0	0	0
65 years and over	1	0	0	0	1	0
Age not stated	0	0	0	0	0	0
Total	9	0	2	0	11	24

* Deaths not tabulated by Age Groups and Sex.

REPORTED CASES OF MUMPS IN NEW JERSEY

From July 1, 1930, to December 31, 1930, by Age Groups and Months

AGE GROUPS	Number of Cases						
	Total	July	Aug.	Sept.	Oct.	Nov.	Dec.
Under 1 year	1	1	0	0	0	0	0
1 year	5	1	2	1	0	0	1
2 years	12	1	1	1	2	2	5
3 years	20	6	3	1	3	3	4
4 years	24	6	6	0	1	4	7
Under 5 years	62	15	12	3	6	9	17
5 to 9 years	196	57	22	14	23	23	57
10 to 14 years	64	13	7	11	11	6	16
15 to 19 years	16	2	1	2	3	2	6
20 to 24 years	8	5	0	0	0	2	1
25 to 34 years	10	4	1	2	0	2	1
35 to 44 years	4	4	0	0	0	0	0
45 to 54 years	0	0	0	0	0	0	0
55 to 64 years	1	0	0	0	0	0	1
65 years and over	0	0	0	0	0	0	0
Age not stated	0	0	0	0	0	0	0
Total	361	100	43	32	43	44	99

DEPARTMENT OF HEALTH

REPORTED CASES AND * DEATHS FROM MUMPS IN NEW JERSEY

From July 1, 1930, to December 31, 1930, by Age Groups and Sex

AGE GROUPS	Male		Female		Total	
	Cases	Deaths	Cases	Deaths	Cases	Deaths
Under 1 year	0	0	1	0	1	0
1 year	5	0	0	0	5	0
2 years	8	0	4	0	12	0
3 years	11	0	9	0	20	0
4 years	11	0	13	0	24	0
Under 5 years	35	0	27	0	62	0
5 to 9 years	117	0	79	0	196	0
10 to 14 years	37	0	27	0	64	0
15 to 19 years	7	0	9	0	16	0
20 to 24 years	0	0	8	0	8	0
25 to 34 years	2	0	8	0	10	0
35 to 44 years	1	0	3	0	4	0
45 to 54 years	0	0	0	0	0	0
55 to 64 years	1	0	0	0	1	0
65 years and over	0	0	0	0	0	0
Age not stated	0	0	0	0	0	0
Total	200	0	161	0	361	1

* Deaths not tabulated by age groups and sex.

REPORTED CASES OF TETANUS IN NEW JERSEY

From July 1, 1930, to December 31, 1930, by Age Groups and Months

AGE GROUPS	Total	Number of Cases					
		July	Aug.	Sept.	Oct.	Nov.	Dec.
Under 1 year	0	0	0	0	0	0	0
1 year	0	0	0	0	0	0	0
2 years	0	0	0	0	0	0	0
3 years	0	0	0	0	0	0	0
4 years	1	0	0	1	0	0	0
Under 5 years	1	0	0	1	0	0	0
5 to 9 years	3	1	0	1	1	0	0
10 to 14 years	3	1	0	1	0	1	0
15 to 19 years	0	0	0	0	0	0	0
20 to 24 years	3	1	0	1	0	1	0
25 to 34 years	1	0	0	0	0	1	0
35 to 44 years	0	0	0	0	0	0	0
45 to 54 years	1	0	0	1	0	0	0
55 to 64 years	0	0	0	0	0	0	0
65 years and over	1	0	1	0	0	0	0
Age not stated	0	0	0	0	0	0	0
Total	18	3	1	5	1	3	0

REPORTED CASES AND DEATHS FROM *TETANUS IN NEW JERSEY

From July 1, 1930, to December 31, 1930, by Age Groups and Sex

AGE GROUPS	Male		Female		Total	
	Cases	Deaths	Cases	Deaths	Cases	Deaths
Under 1 year	0	0	0	0	0	0
1 year	0	0	0	0	0	0
2 years	0	0	0	0	0	0
3 years	0	0	0	0	0	0
4 years	0	0	1	0	1	0
Under 5 years	0	0	1	0	1	0
5 to 9 years	2	0	1	0	3	0
10 to 14 years	3	0	0	0	3	0
15 to 19 years	0	0	0	0	0	0
20 to 24 years	2	0	1	0	3	0
25 to 34 years	1	0	0	0	1	0
35 to 44 years	0	0	0	0	0	0
45 to 54 years	0	0	1	0	1	0
55 to 64 years	0	0	0	0	0	0
65 years and over	1	0	0	0	1	0
Age not stated	0	0	0	0	0	0
Total	9	0	4	0	13	11

* Deaths not tabulated by age groups and sex.

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REPORTED CASES OF UNDULANT FEVER IN NEW JERSEY

From July 1, 1930, to December 31, 1930, by Age Groups and Months

AGE GROUPS	Number of Cases						
	Total	July	Aug.	Sept.	Oct.	Nov.	Dec.
Under 1 year	0	0	0	0	0	0	0
1 year	2	0	0	1	0	1	0
2 years	0	0	0	0	0	0	0
3 years	0	0	0	0	0	0	0
4 years	0	0	0	0	0	0	0
Under 5 years	2	0	0	1	0	1	0
5 to 9 years	0	0	0	0	0	0	0
10 to 14 years	1	0	0	0	0	1	0
15 to 19 years	1	0	0	0	1	0	0
20 to 24 years	0	0	0	0	0	0	0
25 to 34 years	5	0	0	0	2	2	1
35 to 44 years	3	0	0	0	0	1	2
45 to 54 years	2	0	0	0	2	0	0
55 to 64 years	0	0	0	0	0	0	0
65 years and over	0	0	0	0	0	0	0
Age not stated	0	0	0	0	0	0	0
Total	14	0	0	1	5	5	3

REPORTED CASES AND DEATHS FROM UNDULANT FEVER IN NEW JERSEY

From July 1, 1930, to December 31, 1930, by Age Groups and Sex

AGE GROUPS	Male		Female		Total	
	Cases	Deaths	Cases	Deaths	Cases	Deaths
Under 1 year	0	0	0	0	0	0
1 year	0	0	2	0	2	0
2 years	0	0	0	0	0	0
3 years	0	0	0	0	0	0
4 years	0	0	0	0	0	0
Under 5 years	0	0	2	0	2	0
5 to 9 years	0	0	0	0	0	0
10 to 14 years	1	0	0	0	1	0
15 to 19 years	1	0	0	0	1	0
20 to 24 years	0	0	0	0	0	0
25 to 34 years	4	0	1	0	5	0
35 to 44 years	2	0	1	0	3	0
45 to 54 years	0	0	2	1	2	1
55 to 64 years	0	0	0	0	0	0
65 years and over	0	0	0	0	0	0
Age not stated	0	0	0	0	0	0
Total	8	0	6	1	14	1

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REPORTED CASES AND DEATHS FROM CHICKENPOX AND DIPHTHERIA
BY COUNTIES FOR 1930

COUNTIES	CHICKENPOX			DIPHTHERIA				
	Cases	Cases per 1000 Pop.	Deaths	Cases	Cases Per 1000 Pop.	Deaths	Deaths per 1000 Pop.	Percent Fatality
Atlantic	88	0.70	0	18	0.14	3	0.02	16.66
Bergen	862	2.34	0	252	0.68	16	0.04	6.34
Burlington	247	2.63	0	48	0.51	1	0.01	2.08
Camden	417	1.64	0	185	0.73	14	0.05	7.56
Cape May	124	4.17	0	2	0.06	0	...	...
Cumberland	154	2.25	0	15	1.41	74	0.09	6.24
Essex	3420	4.08	1	1186	0.21	1	0.01	6.66
Gloucester	232	3.25	0	44	0.61	2	0.03	4.54
Hudson	370	0.53	1	1142	1.65	98	0.14	8.58
Hunterdon	30	0.86	0	7	0.20	2	0.05	28.57
Mercer	370	1.97	0	118	0.63	6	0.03	5.08
Middlesex	301	1.41	0	302	1.41	37	0.17	12.25
Monmouth	634	4.29	0	49	0.33	6	0.04	12.24
Morris	179	1.61	0	48	0.13	1	0.01	2.08
Ocean	67	2.02	0	1	0.03	0	...	...
Passaic	597	1.97	1	437	1.44	34	0.11	7.78
Salem	11	0.30	0	9	0.24	1	0.02	11.11
Somerset	59	0.90	0	30	0.46	6	0.09	20.00
Sussex	20	0.72	0	6	0.21	1	0.03	16.66
Union	1373	4.46	0	244	0.79	25	0.08	10.24
Warren	4	0.08	0	19	0.38	3	0.06	15.79
State	9563	2.35	3	4162	1.02	331	0.08	7.95

REPORTED CASES AND DEATHS FROM DYSENTERY, LEPROSY, OPHTHALMIA
NEONATORUM AND PARATYPHOID FEVER BY COUNTIES FOR 1930

COUNTIES	DYSENTERY		LEPROSY		OPHTHALMIA NEONATORUM		PARATYPHOID FEVER	
	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths
Atlantic	0	0	0	0	0	0	0	0
Bergen	0	2	0	0	3	0	3	0
Burlington	0	0	0	0	0	0	0	0
Camden	2	2	0	0	1	0	0	0
Cape May	0	0	0	0	0	0	1	0
Cumberland	0	0	0	0	0	0	0	0
Essex	5	2	0	0	30	0	4	0
Gloucester	0	0	0	0	0	0	0	0
Hudson	8	3	0	0	0	0	0	0
Hunterdon	0	0	0	0	0	0	0	0
Mercer	3	1	0	0	3	0	0	0
Middlesex	0	0	0	0	0	0	0	0
Monmouth	1	0	0	0	0	0	1	1
Morris	0	1	0	0	0	0	2	0
Ocean	0	0	0	0	0	0	0	0
Passaic	0	0	0	0	5	0	0	0
Salem	0	0	0	0	0	0	0	0
Somerset	0	1	0	0	0	0	0	0
Sussex	0	2	0	0	0	0	0	0
Union	1	0	0	0	1	0	2	0
Warren	0	1	0	0	0	0	0	0
State	20	15	0	0	43	0	13	1

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REPORTED CASES AND DEATHS FROM INFLUENZA AND PNEUMONIA
BY COUNTIES FOR 1930

COUNTIES	INFLUENZA				PNEUMONIA			
	Cases	Cases per 1000 Pop.	Deaths	Deaths per 1000 Pop.	Cases	Cases per 1000 Pop.	Deaths	Deaths per 1000 Pop.
Atlantic	8	0.06	15	0.12	60	0.47	89	0.70
Bergen	24	0.06	34	0.09	383	1.04	211	0.57
Burlington	3	0.03	11	0.11	81	0.86	84	0.89
Camden	17	0.06	26	0.10	246	0.97	218	0.86
Cape May	7	0.23	4	0.13	11	0.37	30	1.01
Cumberland	4	0.05	12	0.17	74	1.05	53	0.75
Essex	221	0.26	52	0.06	2412	2.88	669	0.80
Gloucester	0	....	6	0.08	28	0.39	41	0.57
Hudson	181	0.26	71	0.10	491	0.71	653	0.94
Hunterdon	0	....	2	0.05	9	0.26	27	0.77
Mercer	15	0.08	10	0.05	182	0.97	143	0.76
Middlesex	1	0.004	16	0.07	47	0.22	173	0.81
Monmouth	20	0.13	11	0.07	182	1.23	96	0.63
Morris	13	0.11	6	0.05	91	0.82	62	0.56
Ocean	0	....	3	0.09	2	0.06	29	0.87
Passaic	16	0.05	25	0.08	179	0.59	201	0.66
Salem	0	....	10	0.27	8	0.21	28	0.76
Somerset	0	....	3	0.04	30	0.46	49	0.75
Sussex	2	0.07	2	0.07	48	1.72	22	0.79
Union	7	0.02	31	0.10	191	0.62	242	0.78
Warren	1	0.02	1	0.02	5	0.10	28	0.56
State	540	0.13	351	0.08	4760	1.17	3148	0.77

REPORTED CASES AND DEATHS FROM MALARIA AND EPIDEMIC CEREBROSPINAL
MENINGITIS BY COUNTIES FOR 1930

COUNTIES	MALARIA			EPIDEMIC CEREBROSPINAL MENINGITIS				
	Cases	Cases per 1000 Pop.	Deaths	Cases	Cases per 1000 Pop.	Deaths	Deaths per 1000 Pop.	Percent Fatality
Atlantic	2	0.01	0	0	....	0	....	....
Bergen	3	0.01	1	19	0.05	7	0.02	30.84
Burlington	0	....	0	0	....	0	....	....
Camden	0	....	0	6	0.02	3	0.01	50.00
Cape May	0	....	0	0	....	0	....	....
Cumberland	0	....	0	1	0.01	0	....	....
Essex	4	0.004	1	73	0.08	19	0.02	26.02
Gloucester	0	....	0	0	....	0	....	....
Hudson	1	0.001	0	46	0.06	21	0.03	45.65
Hunterdon	0	....	0	0	....	0	....	....
Mercer	2	0.01	0	5	0.02	3	0.01	60.00
Middlesex	2	0.01	1	9	0.04	3	0.01	33.33
Monmouth	0	....	0	4	0.02	2	0.01	50.00
Morris	0	....	1	5	0.04	2	0.02	40.00
Ocean	0	....	0	0	....	0	....	....
Passaic	0	....	0	11	0.03	0	....	....
Salem	0	....	0	1	0.02	1	0.02	100.00
Somerset	0	....	0	1	0.01	0	....	....
Sussex	0	....	0	0	....	0	....	....
Union	0	....	0	27	0.08	11	0.03	40.74
Warren	0	....	0	0	....	0	....	....
State	14	0.003	4	208	0.05	72	0.01	34.61

DEPARTMENT OF HEALTH

REPORTED CASES AND DEATHS FROM MEASLES AND GERMAN MEASLES
BY COUNTIES FOR 1930

COUNTIES	MEASLES					GERMAN MEASLES		
	Cases	Cases per 1000 Pop.	Deaths	Deaths per 1000 Pop.	Percent Fatality	Cases	Cases per 1000 Pop.	Deaths
Atlantic	209	1.66	0	....	....	316	2.51	0
Bergen	2384	6.47	2	0.005	0.08	952	2.58	0
Burlington	387	4.12	2	0.02	0.51	10	0.10	0
Camden	772	3.04	5	0.02	0.64	22	0.08	0
Cape May	75	2.52	0	....	....	112	3.76	0
Cumberland	38	0.54	0	....	....	17	0.24	0
Essex	11451	13.66	40	0.04	0.35	1177	1.40	0
Gloucester	78	1.09	0	....	....	18	0.25	0
Hudson	2193	3.17	41	0.06	1.87	20	0.03	0
Hunterdon	128	3.68	0	....	....	0	....	0
Mercer	602	3.20	11	0.06	1.82	59	0.31	0
Middlesex	322	1.51	2	0.01	0.62	33	0.15	0
Monmouth	1076	7.28	4	0.02	0.37	11	0.07	0
Morris	653	5.89	4	0.03	0.61	46	0.41	0
Ocean	84	2.53	0	....	....	5	0.15	0
Passaic	1040	3.43	5	0.01	0.48	114	0.37	0
Salem	12	0.32	0	....	....	1	0.02	0
Somerset	140	2.14	0	....	....	65	0.99	0
Sussex	59	2.11	1	0.03	1.69	4	0.14	0
Union	2871	9.33	8	0.02	0.28	2444	7.94	1
Warren	45	0.91	1	0.02	2.22	0	....	0
State	24619	6.06	126	0.03	0.51	5426	1.33	1

REPORTED CASES AND DEATHS FROM ACUTE ANTERIOR POLIOMYELITIS AND
SCARLET FEVER BY COUNTIES FOR 1930

COUNTIES	ACUTE ANTERIOR POLIOMYELITIS				SCARLET FEVER			
	Cases	Cases per 1000 Pop.	Deaths	Deaths per 1000 Pop.	Cases	Cases per 1000 Pop.	Deaths	Deaths per 1000 Pop.
Atlantic	4	0.03	1	0.007	103	0.82	1	0.007
Bergen	3	0.01	0	....	645	1.75	4	0.01
Burlington	2	0.02	0	....	171	1.82	2	0.02
Camden	7	0.02	1	0.004	360	1.42	5	0.02
Cape May	1	0.03	0	....	32	1.07	0	....
Cumberland	0	....	0	....	82	1.17	1	0.01
Essex	11	0.01	2	0.002	1980	2.36	7	0.01
Gloucester	1	0.01	0	....	179	2.51	1	0.01
Hudson	3	0.004	3	0.004	668	0.96	8	0.01
Hunterdon	0	....	0	....	91	2.61	1	0.03
Mercer	2	0.01	1	0.005	598	3.18	10	0.05
Middlesex	3	0.01	3	0.01	211	0.99	1	0.004
Monmouth	4	0.02	2	0.01	195	1.32	3	0.02
Morris	3	0.02	0	....	167	1.50	2	0.02
Ocean	2	0.06	0	....	40	1.20	0	....
Passaic	7	0.02	0	....	832	2.74	6	0.02
Salem	0	....	0	....	41	1.11	0	....
Somerset	1	0.01	1	0.01	184	2.81	1	0.01
Sussex	0	....	0	....	207	7.43	0	....
Union	4	0.01	2	0.006	753	2.44	5	0.01
Warren	1	0.02	0		81	1.64	0	
State	59	0.01	16	0.004	7620	1.87	58	0.01

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REPORTED CASES AND DEATHS FROM RABIES, TRACHOMA AND TRICHINOSIS
BY COUNTIES FOR 1930

COUNTIES	RABIES		TRACHOMA		TRICHINOSIS	
	Cases	*Deaths	Cases	Deaths	Cases	Deaths
Atlantic	1	0	0	0	0	0
Bergen	0	0	2	0	2	0
Burlington	0	0	0	0	0	0
Camden	0	0	1	0	0	0
Cape May	0	0	0	0	0	0
Cumberland	0	0	0	0	0	0
Essex	0	0	3	0	10	1
Gloucester	0	0	0	0	0	0
Hudson	0	0	0	0	0	0
Hunterdon	0	0	0	0	0	0
Mercer	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0
Monmouth	1	1	1	0	0	0
Morris	0	0	0	0	0	0
Ocean	0	0	0	0	0	0
Passaic	1	1	4	0	2	0
Salem	0	0	0	0	0	0
Somerset	0	0	0	0	0	0
Sussex	0	0	0	0	0	0
Union	0	0	0	0	0	0
Warren	0	0	1	0	0	0
State	3	2	12	0	14	1

* Another death is reported to have occurred outside of New Jersey, but no official copy of death certificate has been received.

REPORTED CASES AND DEATHS FROM SMALLPOX AND TUBERCULOSIS
BY COUNTIES FOR 1930

COUNTIES	SMALLPOX				TUBERCULOSIS				
	Cases	Cases Per 1000 Pop.	Deaths	Deaths Per 1000 Pop.	Cases	Cases Per 1000 Pop.	Deaths	Deaths Per 1000 Pop.	Per Cent Fatality
Atlantic	0	.....	0	.....	154	1.22	102	0.81	66.23
Bergen	0	.....	0	.....	324	0.88	207	0.56	63.89
Burlington	0	.....	0	.....	137	1.46	56	0.59	40.87
Camden	0	.....	0	.....	423	1.66	155	0.61	36.64
Cape May	0	.....	0	.....	20	0.67	10	0.33	50.00
Cumberland	0	.....	0	.....	79	1.12	54	0.77	68.25
Essex	0	.....	0	.....	1465	1.75	718	0.85	49.01
Gloucester	0	.....	0	.....	45	0.63	38	0.53	84.44
Hudson	0	.....	0	.....	957	1.38	513	0.74	53.60
Hunterdon	0	.....	0	.....	14	0.40	14	0.40	100.00
Mercer	0	.....	0	.....	292	1.55	156	0.83	53.42
Middlesex	0	.....	0	.....	210	0.98	131	0.61	62.38
Monmouth	0	.....	0	.....	168	1.13	96	0.65	57.14
Morris	0	.....	0	.....	136	1.22	75	0.67	55.14
Ocean	0	.....	0	.....	30	0.90	26	0.78	86.66
Passaic	0	.....	0	.....	379	1.25	169	0.55	44.59
Salem	0	.....	0	.....	29	0.78	23	0.62	79.31
Somerset	0	.....	0	.....	72	1.10	35	0.53	48.61
Sussex	0	.....	0	.....	8	0.28	15	0.54	*
Union	1	0.003	0	.....	332	1.08	181	0.59	54.52
Warren	0	.....	0	.....	32	0.64	31	0.62	96.87
State	1	0.002	0	.....	5306	1.30	2805	0.69	52.86

* More deaths than cases reported.

DEPARTMENT OF HEALTH

REPORTED CASES AND DEATHS FROM TYPHOID FEVER AND WHOOPING COUGH
BY COUNTIES FOR 1930

COUNTIES	TYPHOID FEVER				WHOOPING COUGH			
	Cases	Cases per 1000 Pop.	Deaths	Deaths per 1000 Pop.	Cases	Cases per 1000 Pop.	Deaths	Deaths per 1000 Pop.
Atlantic	16	0.12	4	0.03	16	0.12	0	....
Bergen	42	0.11	0	....	532	1.44	5	0.01
Burlington	31	0.33	3	0.03	77	0.82	2	0.02
Camden	32	0.12	5	0.02	107	0.42	4	0.01
Cape May	9	0.30	1	0.03	44	1.48	2	0.06
Cumberland	9	0.13	0	....	17	0.24	0	....
Essex	44	0.05	7	0.01	2509	2.99	18	0.02
Gloucester	9	0.12	0	....	58	0.81	1	0.01
Hudson	27	0.04	5	0.007	304	0.44	27	0.04
Hunterdon	2	0.05	0	....	19	0.54	0	....
Mercer	25	0.13	3	0.01	174	0.92	9	0.04
Middlesex	14	0.06	4	0.02	25	0.11	5	0.02
Monmouth	21	0.14	4	0.02	332	2.25	6	0.04
Morris	9	0.08	1	0.01	228	2.06	2	0.02
Ocean	1	0.03	1	0.03	25	0.75	0	....
Passaic	10	0.03	0	....	277	0.91	4	0.01
Salem	6	0.16	1	0.02	7	0.19	2	0.05
Somerset	7	0.10	3	0.04	33	0.50	1	0.01
Sussex	2	0.07	0	....	50	1.79	0	....
Union	15	0.05	3	0.01	381	1.24	2	0.006
Warren	3	0.06	0	....	0	....	0	....
State	334	0.08	45	0.01	5215	1.28	90	0.02

REPORTED CASES AND DEATHS FROM MUMPS, LETHARGIC ENCEPHALITIS,
UNDULANT FEVER, TETANUS AND TULAREMIA BY COUNTIES
FROM JULY 1, 1930, TO DECEMBER 31, 1930

COUNTIES	MUMPS		LETH. EN- CEPHALITIS		UNDULANT FEVER		TETANUS		TULAREMIA	
	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths
Atlantic	11	0	1	0	0	0	0	0	0	0
Bergen	43	0	1	4	1	0	1	1	0	0
Burlington	22	0	0	0	0	0	0	1	0	0
Camden	14	0	0	0	0	0	1	1	0	0
Cape May	4	0	0	0	0	0	0	0	1	0
Cumberland	1	0	0	0	0	0	0	1	0	0
Essex	175	0	7	6	4	0	3	0	0	0
Gloucester	2	0	0	0	3	0	0	0	0	0
Hudson	9	0	1	5	0	0	1	0	0	0
Hunterdon	1	0	0	0	0	0	0	0	0	0
Mercer	7	0	0	1	1	0	2	1	0	0
Middlesex	6	1	0	3	1	0	0	0	0	0
Monmouth	16	0	0	0	1	1	3	1	0	0
Morris	8	0	0	2	2	0	0	0	0	0
Ocean	1	0	0	0	0	0	0	0	0	0
Passaic	15	0	0	1	0	0	1	3	0	0
Salem	5	0	0	0	0	0	0	0	0	0
Somerset	0	0	1	0	1	0	0	0	0	0
Sussex	0	0	0	0	0	0	0	0	0	0
Union	21	0	0	2	0	0	1	2	0	0
Warren	0	0	0	0	0	0	0	0	0	0
State	361	1	11	24	14	1	13	11	1	0

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REPORTED CASES AND DEATHS FROM MISCELLANEOUS DISEASES

For the Year 1930

DISEASE	Male		Female		Total	
	Cases	Deaths	Cases	Deaths	Cases	Deaths
Ophthalmia Neonatorum	26	0	17	0	43	0
Rabies	3	*2	0	0	3	*2
Trachoma	8	0	4	0	12	0
Trichinosis	6	0	8	1	14	1
Tularemia	0	0	1	0	1	0
Typhus Fever	2	1	0	0	2	1

* Another death is reported to have occurred outside of New Jersey, but no official copy of death certificate has been received.

Report of the Bureau of Engineering

For the Year Ending June 30, 1931

H. P. CROFT, C. E., CHIEF

During the past year this State, in so far as the quality of its public potable water supplies were concerned, was in a more fortunate position than many of its sister states, for no supply was compelled to go to heavily polluted streams for additional sources of water; there have been no epidemics of water-borne diseases and no mass complaints as to objectionable odors and tastes in these supplies.

Progress has been made in the improvement of the waters of the State from a pollution standpoint. This movement has been aided by public opinion which, during the past year, has become more pronounced than ever in insisting upon cleaner streams. The factor which is now adversely affecting the moves to prevent increased pollution of some of our streams and to improve the quality of other streams is the financial condition of the municipalities. It has been suggested that State aid be provided for the construction of sewage treatment works inasmuch as such works are installed for the benefit of large areas of the State; the oft-repeated statement that stream pollution is not confined by municipal boundaries. It has also been suggested that any municipality, under orders of the State Department of Health to install a sewage treatment plant, or to improve existing sewage treatment works should, by law, be prevented from issuing temporary improvement notes or bonds, or permanent bonds, for any purpose whatsoever, except for the purpose of completing work already under way, until provisions shall be made to carry into effect the

order of the Health Department and for the issuance of notes or bonds to pay for such construction.

During the past year two (2) opinions have been handed down by the Court of Chancery which are bound to aid the Department in the exercise of its jurisdiction in the matter of stream pollution and in the supervision of the operation of sewage treatment plants.

There follows an opinion of the Court in an action based upon provisions of Chapter 210, P. L. 1899, as amended by Chapter 72, P. L. (The State Sewerage Act) :

IN CHANCERY OF NEW JERSEY.

In re Borough of Fort Lee, et al., }
Charged With Contempt. }

Conclusions

ON FINAL HEARING

Mr. Robert Peacock, Assistant Attorney General for the prosecution.

Messrs. Mackay & Mackay, for defendants.

Buchanan, V. C.

On December 14, 1929, a final decree was entered in this court in a suit brought by the Department of Health of the State of New Jersey against the Borough of Fort Lee,—by the terms of which decree the defendant borough, its officers, servants, employees and agents, were ordered to cease, desist and refrain, from and after June 1, 1930, from permitting and allowing insufficiently treated domestic sewage and other polluting material to flow from its sewage system and drains into the water of a brook tributary to Overpeck Creek in Bergen County,—and commanding the said borough to make such other disposition of its sewage, on or before June 1, 1930, as should be approved by the Department of Health aforesaid.

The decree was duly served on the defendant borough, on December 24, 1929. It was not obeyed; up to the time of these proceedings the pollution has not been stopped, nor has the new disposition of sewage disposal been installed.

To enforce the performance by the borough of the acts which it was by the decree directed affirmatively to do, civil contempt proceedings were instituted by the complainant on March 18, 1931,—resulting in an order imposing a fine to enforce performance. *Department of Health v. Fort Lee*, 108 N. J. Eq. 139.

The present case is a criminal contempt proceeding, to ascertain the guilt of those charged with continuing the pollution of the stream, in violation of the injunctive order of this court, and to impose punishment for that offense, upon conviction.

Obviously the borough acts, and can act, only by its mayor and council. The responsibility rests upon them for the performance or non-performance by the borough of its legal duties. Violation by the borough of an injunction, involves, at least *prima facie*, guilt on the part of one or more of the mayor and council, of the same criminal or quasi-criminal offense. Both a corporation and its individual officers, directors and agents may be guilty and punishable for the same offense. *State v. Engeman*, 54 N. J. Law 247.

Where a municipality is enjoined from doing or continuing a certain act, it seems obvious that those members of the governing body of the municipality, through which alone it can act, who with knowledge of the injunction fail to take such steps as they are in duty bound to take to accomplish the cessation of the thing enjoined, are guilty of contempt.

In the instant case the borough, and all the individuals comprising its mayor and council were made defendants and charged with the offense of the violation of the injunction. On the return of the order to show cause, all of them appeared, waived the presentation of proofs in court and admitted their guilt as charged. This eliminated all questions except the determination of the punishment to be imposed.

Testimony was offered by the defendants to show circumstances alleged to be in mitigation of the offense, and proofs in that behalf were accordingly taken in open court. From these proofs it appears to the entire satisfaction of the court that there was no intent on the part of any defendant of any flagrant flouting of the authority of the court. Apparently they failed to realize that the disobedience to the injunction was a punishable offense; they seem to have regarded only the mandatory portion of the decree and to have looked upon the performance of those provisions as something which for various reasons they could and should avoid or resist as long as possible.

Neither the lack of disrespectful intent,—nor the failure to realize the character of their neglect or refusal to cease the pollution constitute any defense to the charge of contempt,—(and of course were not so offered here, since the guilt was admitted), but may properly be considered in mitigation of punishment. *In re Cooley*, 95 N. J. Eq., 485, at 488.

Mitigation of punishment however does not mean absolution nor escape from punishment. The defendants have been guilty, as they admit, of a violation,—a long continued violation of an injunction of this court. That in itself requires punishment, by way of deterrent example to others,—for if injunction may be disobeyed without punishment, the government of this state cannot long be carried on.

There are, in the instant case, the additional factors that the violation of the injunction was in derogation of the health of other citizens of the State; and the *desideratum* of a warning to members of the governing bodies of other municipalities and directors of other corporations, that their acceptance of office entails legal duties and responsibilities as well as privileges, honors or emoluments.

The pollution enjoined came from the defendants sewage system, and the cessation of the pollution could only be accomplished by changes in, and repairs to, that sewage system,—which required legal steps by the borough council and subsequent construction and repair work by employees or contractors. To allow the necessary time for this, the injunction became operative some five months after the date of the decree. The proofs before the court show that this was more than ample time: that if the defendants had done, immediately following the service of the decree, the things they have done since the institution of the civil contempt proceedings, there would have been no violation of the decree.

The principal reason offered by defendants by way of excuse in mitigation of their neglecter delay, was that the State Highway Department was contemplating the construction or reconstruction of certain highways, which would in all probability interfere with any reconstructed sewage disposal system, and therefore in all likelihood soon entail a further or duplicate expenditure, if the provisions of the decree were promptly performed. (There was some statement or intimation of the impossibility of the borough, in its then financial condition, legally contracting the expense necessary to perform the decree,—but there was no proof of this.)

That this was a factor properly and reasonably to be considered by the defendants is not questioned; but that it cannot excuse the contemning of the decree is equally beyond question. If the circumstances in that behalf were such as, in the judgment of the defendants, warranted or required delay for a greater period than that afforded by the decree, they should have applied to the court for a modification of, or temporary stay of the injunction. *Cf. In re Cooley*,¹ *Supra*, 491, and cases cited.

It should be, and has been, taken into consideration, that the defendants have pleaded guilty, instead of putting the State to the time and expense of a trial on that issue.

It is the judgment of the court that under all the circumstances, imprisonment should not be decreed in the present instance, but that a fine of \$500.00 should be imposed upon the defendant borough, and a fine of \$100.00 each upon the individual defendants.

The solicitors for the defendants are directed to produce the defendants in court for sentence, on Tuesday, June 30th; at which time also the solicitor for the prosecution should present draft, of decree for entry.

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There follows an opinion of the Court in an action based upon Chapter 23, P. L. 1918 (The operator's licensing act) :

IN CHANCERY OF NEW JERSEY.

Between State of New Jersey, ex rel. Department of Health of the State of New Jersey,	}	On Bill, etc.
<i>Complainant.</i>		
<i>and</i>		
The Township of Chester, in the COUNTY OF BURLINGTON,	}	
<i>Defendant.</i>		

FINAL DECREE

This cause coming on to be heard in the presence of Robert Peacock, Esq., appearing for William A. Stevens, Attorney General, of counsel with the complainant, and George Hillman, Esq., of counsel with the defendant, and the Court having read the pleadings, and having heard the testimony produced on behalf of the complainant and defendant, and having heard the argument of counsel and considered the same, and it appearing that a decree should be entered in accordance with the prayer of the bill of complaint;

It is thereupon, on this twelfth day of June A. D., nineteen hundred and thirty-one, on motion of the Attorney General of the State of New Jersey, of counsel with the complainant, ORDERED, ADJUDGED AND DECREED and the Chancellor doth, by virtue of the power and authority in him vested, order, adjudge and decree that a writ of injunction of this court do forthwith issue out of and under the seal of this court directed to the Township of Chester in the County of Burlington, commanding the said defendant that on and after the first day of July, A. D., nineteen hundred and thirty-one, said Township of Chester, in the County of Burlington, its officers, servants, employees and agents, absolutely and immediately desist and refrain from appointing any person as superintendent or operator in charge of its sewage treatment plant discharging an effluent into any of the waters of this State, or permitting any person to discharge the duties of superintendent or operator in charge of such plant who is not the holder of a license issued by the Department of Health of the State of New Jersey, in violation of the provisions of an act of the Legislature of the State of New Jersey entitled "An Act to provide for the examination and licensing of superintendents and operators in charge of water purification or treatment plants and sewage treatment plants under the direction of the Department of Health of the State of New Jersey," approved February ninth, one thousand nine hundred and eighteen, being Chapter 23 of the Laws of 1918.

AND IT IS FURTHER ORDERED, ADJUDGED AND DECREED that the defendant pay to the complainant its cost in this suit to be taxed.

E. R. WALKER.

Respectfully advised:

(Signed) MALCOLM G. BUCHANAN, V. C.

Filed: June 13, 1931.

DEPARTMENT OF HEALTH

TABLE NO. 1—NUMBER OF WATER, SEWAGE AND OTHER PROJECTS EXAMINED
DURING THE FISCAL YEAR ENDING JUNE 30, 1931

<i>Character of Projects</i>	<i>Number</i>	<i>Number of Plans</i>	<i>Number of Applying Municipalities, Com- missions or Com- panies</i>	<i>Engineers' Estimates of Costs</i>
<i>Sewage:</i>				
Sewer extension and pumping stations..	27	81	22	\$715,391.25
Trunk, sub-trunk, relief and intercepting sewers	5	92	4	2,535,000.00
Alterations and improvements at existing sewage treatment works	16	108	15	1,289,256.00
Sewer systems, new	7	71	7	784,000.00
Sewage treatment works, new	5	98	5	715,975.00
Sewer systems and sewage treatment works, combined	1	10	1	210,000.00
<i>Water:</i>				
New systems and supplies	14	35	14	638,870.00
Alterations, improvements and additions at water supplies	44	102	38	745,194.00
<i>Mausoleums:</i>				
New	2	18	2	380,000.00
Totals	121	615	108	\$8,003,686.25
Total of engineers' estimates of costs for the fiscal year ending June 30, 1930				\$5,875,753.10

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NUMBER OF WATER SUPPLIES AND SEWAGE PLANTS IN NEW JERSEY

Public potable water supplies	283
Institutional water supplies, State	16
Institutional water supplies, County	16
Total	315
Water supplies, untreated	199
Water supplies, treated	116
	315
Municipal sewage plants	191
All other sewage plants, including trade wastes plants	*174
	365
Municipal plants under construction	6
All other plants under construction	1
	7
Total	372

During the fiscal year ending June 30, 1931, investigations or inspections were made relating to the following:

Water:

Special water, including complaints and conferences	209
Cross-connections	8
Watersheds	1
Swimming pools and bathing beaches	2

Sewage:

Special sewage and trade wastes, including construction work	193
Complaints and conferences	70

Mausoleums

Construction of new	1
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Seventy-three certificates were issued to railroad and vessel companies for the use of water upon interstate carriers. Forty-four man-working days were spent on the investigation of the

* Does not include creamery and dairy wastes treatment plants.

Collingswood sewage treatment work; 14½ man-working days were spent on the investigation of the Freehold sewage treatment works; 34 man-working days were spent on the investigation of the Red Bank sewage treatment works; and, 6 man-working days were spent on the investigation of the Woodbury sewage treatment works. Inspections were made of 7 sewage treatment works' outfalls along the Atlantic Coast. Four man-working days were spent in the collection of surf samples.

Sanitary inspections were made upon the following streams :

Arthur Kill.
Assunpink Creek at Trenton and vicinity.
Bonegut Brook at Plainfield.
Cooper River at Camden.
Hackensack River.
Kill von Kull.
Lakes Bay at Northfield.
Mine Brook at Bernardsville.
North Branch of Raritan River at Far Hills.
Newark Bay.
Overpeck Creek near Hackensack.
Passaic River, Upper reaches.
Tributary of Passaic River at New Providence.
Peapack Brook at Peapack-Gladstone.
Rahway River.
Shabacong Creek at Lawrence Township.
South Branch of Rahway River at Menlo Park.
Wading River, and
Woodbury Creek at National Park.

A sanitary survey was made upon Berry's Creek, requiring 57½ man-working days; 20 man-working days were spent in preliminary work upon the sanitary survey of the Raritan River; and, 10½ man-working days were spent in serving court processes and attending court trials.

Stream pollutions investigated	153
Notices issued to cease stream pollution	153
Reinspections of stream pollutions made	24
Actions against stream polluters held in abeyance	2
Cases for abatement of pollutions referred to Attorney-General	7
Notices issued upon municipalities or water companies to improve water supplies	15

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Notices issued upon municipalities or sewer companies to cease the discharge of raw or insufficiently treated sewage into the waters of the State and/or to alter, enlarge or improve sewage treatment works....	9
Resolutions adopted requesting Attorney-General to prosecute municipalities for the employment of non-licensed operators at water and sewage treatment works—	
Water	1
Sewage	4
Cases for the prosecution of municipalities or companies delivering water from unapproved or improperly treated sources of supply referred to Attorney-General	5
Stipulations of agreement entered into with Department by municipalities or companies to improve sewage treatment works	1

TABLE NO. 2—REPORT OF WATER LABORATORY—JULY 1, 1930, TO JULY 1, 1931

	<i>July</i>	<i>Aug.</i>	<i>Sept.</i>	<i>Oct.</i>	<i>Nov.</i>	<i>Dec.</i>	<i>Jan.</i>	<i>Feb.</i>	<i>Mar.</i>	<i>April</i>	<i>May</i>	<i>June</i>	<i>Total</i>
Public Water Supplies	170	145	219	172	126	152	118	115	141	131	117	151	1,757
Private (submitted by) Camp	27	18	...	1	...	...	1	...	2	2	5	30	86
Employees	3	2	7	5	3	2	4	3	6	5	9	3	52
Local Boards of Health	34	50	38	14	9	15	10	4	23	14	18	24	253
Pay Samples	17	6	9	7	5	3	5	3	7	2	8	7	79
Second Samples	...	1	3	2	1	...	...	...	1	2	...	...	10
State Institution Supplies	8	7	3	10	8	1	17	1	5	8	7	3	78
County Institution Supplies	24	12	7	10	10	6	4	8	7	5	5	3	101
State Highway Samples	...	...	...	...	1	4	...	...	...	...	...	...	5
School Supplies	5	7	9	52	153	130	205	110	20	15	12	6	724
Dairy Samples	10	...	...	1	3	5	3	5	1	4	2	3	37
Bottled Water Supplies	34	15	11	...	...	...	...	...	...	...	...	21	81
Soft Drink Supply	...	...	...	1	...	...	...	...	...	...	...	...	1
State Park Supplies	2	...	...	...	...	...	...	...	...	...	2	...	4
County Park Supplies	10	3	2	...	...	...	1	...	...	...	10	...	26
Bathing Waters & Swimming Pools	35	14	...	5	...	...	4	...	4	8	1	6	77
Roadside Stand Supplies	2	...	1	2	...	...	...	...	...	...	...	...	5
Sewage Samples	197	127	32	3	15	9	49	131	42	192	52	5	854
Trade Waste Samples	14	12	7	8	9	...	1	...	3	...	1	15	70
Stream Samples	133	162	18	6	49	5	6	4	6	33	8	1	431
Sand Samples	4	...	4	4	4	...	...	...	...	...	...	3	19
Surf Samples	1	135	...	...	...	...	...	...	...	...	...	...	136
Ice Samples	...	...	...	...	...	...	...	...	...	...	1	...	1
S. W. P. C. Samples	...	...	4	2	21	9	1	14	15	4	24	10	104
Special Experiments	...	...	...	...	...	...	72	32	32	59	...	...	195
Total	730	716	374	305	417	341	501	430	315	484	282	291	5,186

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THE LICENSING OF WATER AND SEWAGE TREATMENT PLANT OPERATORS

During the fiscal year, the following number of licenses to operate water and sewage treatment plants in the State were issued by the Department of Health of the State of New Jersey, acting under the authority granted by Chapter 23, P. L. of 1918, according to the classifications set out in the Rules and Regulations governing the examinations of applicants for such licenses :

<i>Water</i> —First Class	7
Second Class	..
Third Class	11
<i>Sewage</i> —Primary-Secondary Treatment, First Division	7
Primary-Secondary Treatment, Second Division ...	16
Primary-Secondary Treatment, Third Division ...	4
Primary Treatment, First Division	1
Primary Treatment, Second Division	3
Primary Treatment, Third Division	4
Prior-To	1

One hundred and twenty-four applicants for licenses of the various classifications mentioned above appeared and were examined at the quarterly examinations, 91 applying for licenses to operate sewage treatment plants and 33 for licenses to operate water purification or treatment plants. Of the 53 who were issued licenses, 43 were successful at the time they were first examined, 9 after the second examination and 1 after the third examination. A few of the applicants who were successful at their first or second examinations had been examined during the previous fiscal year.

Considering the increase of 28% in the number appearing for examinations over the previous year, and a decrease from 65% in the previous year to 42% during the past year, in the number who passed the examination and received licenses, and with an increase in the number who are required to repeat in order to obtain a license, it is the opinion of the Department that many of the applicants have made very little preparation for the examinations for licenses for which they expect to qualify. In order

to impress upon the applicant the importance of preparation and to minimize the amount of unnecessary time required by the Department personnel in dealing with consistently unsuccessful applicants, the following resolution for an addition to the Rules and Regulations adopted on April 6, 1926, was passed by the members of the Department of Health of the State of New Jersey on December 2, 1930:

RESOLUTION

WHEREAS, The Department of Health of the State of New Jersey has in the past examined applicants at each of the quarterly examinations held for the licensing of water and sewage plant superintendents and operators; and,

WHEREAS, A number of applicants have continually taken such examinations and failed to qualify for licenses, and the Department of Health of the State of New Jersey is of the opinion that many of the applicants have taken advantage of the leniency allowed in the taking of these examinations, and examination papers have shown that no attempt has been made on the part of some of the persons previously examined to improve their knowledge since past examination; therefore,

BE IT RESOLVED, By the Department of Health of the State of New Jersey at a meeting held on the second day of December, A. D. one thousand nine hundred and thirty, that an addition to the regulations for the examining and licensing of water and sewage plant superintendents and operators be and is herewith adopted and made a part of such regulations providing, that on and after October thirty-one, A. D. one thousand nine hundred and thirty, where any applicant has failed twice in any one year or at two successive examinations for any particular grade of water or sewage plant superintendent or operator, such applicant must wait until a period of one year has elapsed from the time of the applicant's last examination before the Department will accept his application or permit him to take an examination to qualify at the quarterly examinations for a license or licenses as water and/or sewage plant superintendent or operator.

Another addition to the Rules and Regulations adopted in a resolution by the Members of the Department of Health of the State of New Jersey on March 3, 1931, is as follows:

RESOLUTION

WHEREAS, The Department of Health of the State of New Jersey has found that superintendents or operators who hold licenses issued by the Department of Health of the State of New Jersey for the operation of water treatment or purification and sewage treatment plants are in some instances operating anywhere from two to six or seven sewage treatment plants under such licenses; and,

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WHEREAS, It is the opinion of the Department of Health of the State of New Jersey that it is a physical impossibility for any one person to daily supervise, in a satisfactory manner, the operation of a large number of water treatment or purification or sewage treatment plants; and,

WHEREAS, In order to prevent such a procedure from becoming a growing and hazardous menace to public health and to stay the practice by licensed superintendents or operators in operating or supervising the operation of large numbers of water treatment or purification or sewage treatment plants, it is the opinion of the Department of Health of the State of New Jersey that an amendment be made to the Rules and Regulations, adopted by the said Department of Health on April 6, 1926; therefore,

BE IT RESOLVED, By the Department of Health of the State of New Jersey, at a meeting held on the third day of March, A. D. one thousand nine hundred and thirty-one, that the foregoing amendment to the Rules and Regulations governing examinations for licenses for sewage treatment and water treatment plant operators be made in manner following: That there be added to such Rules and Regulations a new paragraph to be known as Paragraph 6, under the title "General", which shall read:

"6. When a license is issued or has been issued by the Department of Health of the State of New Jersey to any superintendent or operator to supervise or operate any water treatment or purification or any sewage treatment plant in the State of New Jersey, before any person holding such a license can operate more than one of such plants, a permit must first be obtained by such person from the Department of Health of the State of New Jersey; and, if the application of any superintendent or operator to operate more than one of such plants is denied by the Department of Health of the State of New Jersey, then if such operator shall in any way supervise or operate or attempt to supervise or operate more than one of such plants he shall be immediately summoned to appear before the Director or the Department of Health of the State of New Jersey for a hearing, and, if no good cause for such action by such superintendent or operator be shown his license to operate a water treatment or purification or sewage treatment plant in this State shall be forthwith revoked by the Department of Health of the State of New Jersey."

The Department of Health of the State of New Jersey, charged with the enforcement of Chapter 23 of the P. L. of 1918, instituted proceedings, and obtained an injunction, in the Court of Chancery against two municipalities in the State restraining the continuance, after a specified date, of the operation of the municipal sewage treatment works without a licensed operator.

Through confidence in the competency of the operators of water and sewage treatment works the Department is better able to serve municipalities, corporations or individuals in the production of safe drinking water and in the proper treatment of sewage, and

it is toward this end that the qualifications of applicants for licenses are being considered more carefully and additions to the Rules and Regulations have been adopted.

SEWAGE WORKS ASSOCIATION

The New Jersey Sewage Works Association and the Bureau of Engineering, cooperating, held on March 20 and 21, 1931, at Trenton, the Sixteenth Annual Conference of sewage plant operators. Over three hundred sewage plant operators, sanitary engineers, and chemists from New Jersey and other states were in attendance. A number of papers containing helpful information to sewage plant operators, sanitary engineers and chemists were read before the meeting. These papers are printed in the Association's Annual Proceedings.

COOPERATION WITH OTHER STATE DEPARTMENTS

The Bureau, as in the past, is cooperating in the examination of samples of water, other than from public potable water supplies, and the making of sanitary surveys, with:

The State Water Policy Commission of waters from the streams of the State;
The State Department of Conservation and Development, of water supplies in the State Parks;

The State Department of Education, of water supplies from the several hundred rural schools in the State;

The State Fish and Game Commission, of pollutions in streams which may be detrimental to fish life;

The several County Mosquito Extermination Commissions, in the investigation of methods to control mosquito breeding at sewage treatment plants in the State.

PUBLIC MAUSOLEUMS

Eleven public mausoleums have been constructed in the State since the approval of Chapter 233 of the P. L. of 1916. Two of these mausoleums have been enlarged since construction. During the fiscal year plans and specifications have been approved for the erection of mausoleums at:

Bridgeton (Overlook Cemetery)—Overlook Mausoleum Company	
—Estimated Cost of Construction	\$80,000
Camden (Harleigh Cemetery)—Harleigh Memorial, Inc.—Estimated	
Cost of Construction	\$300,000

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PERMITS ISSUED FOR THE ESTABLISHMENT OF FACTORIES ON WATERSHEDS

During the past fiscal year permits were issued for the establishment of the following factories upon watersheds in the State:

Hackensack Watershed:

Permit No. 111—William H. Schulz, Woodcliffe Lake. Establishment of a cider factory on Glen Brook, a tributary of Pascack Creek.

Permit No. 112—Everett Terhune, Park Ridge. Establishment of a cider factory on Woodbridge Lake, a tributary of the Hackensack River.

WATER SUPPLIES IN NEW JERSEY

Many manufacturing industries in the several States have requested during the past few years a list of the water supplies in the municipalities of New Jersey containing hardness and alkalinity figures. In order that the Department may in future be able to comply with such requests there is printed in the following Table No. 2 pertinent data of the water supplies in the State.

TABLE No. 3.—DESCRIPTIVE DATA OF PUBLIC WATER SUPPLIES IN NEW JERSEY

OWNER AND MUNICIPALITIES SUPPLIED	SOURCE OF SUPPLY	TREATMENT	POPULATION 1930 PERMANENT	POPULATION SUPPLIED ESTIMATED	1930 CONSUMPTION IN THOUSAND GALS. PER DAY	GRAVITY OR PUMPED	HARDNESS	ALKALINITY
Allendale (Municipality)	2 driven wells, 450'-500' deep	Chlorination	1,730	1,730	(New Supply)	P	....	....
Allenhurst (Municipality)	6 driven wells, 500'-600' deep	Rapid sand filtration (pressure) and lime treatment for iron removal	573	573*	292	P	81.4	70.0
Allentown (Municipality)	Tributary to Doctor's Creek	Rapid sand filtration (gravity) and chlorination	706	706	23	P	24.7	28.0
Amen Heights Water Co. (Pensauken Twp., part)	3 driven wells, 71'-121' deep		16,915	500	....	P	44.3	3.0
Asbury Park (Municipality)	11 driven wells, 1100'-1135' deep	Aeration and rapid sand filtration (pressure) for iron removal	14,981	12,000*	1,369	P	40.3	25.0
(Neptune Twp., part)			10,625	6,625*				
Atlantic City (Municipality)	40 driven wells, 92'-210' deep and Absecon Creek	Chlorination for surface supply	66,198	66,198*	13,713	P	19.5	1.5
Atlantic County Water Co. of New Jersey	Bargaintown Pond at Pleasantville, 2 driven wells at Somers Point, 118' deep; 1 driven well at Pleasantville, 125' deep	Chlorination for surface supply						
(Absecon)			2,158	2,158*	605	P	10.3	60.3
(Linwood)			1,514	1,514*				
(Northfield)			2,804	2,804				
(Pleasantville)			11,580	11,580*				
(Somers Point)			2,073	2,073*				
Atlantic Highlands (Municipality)	3 driven wells, 100'-600' deep	Aeration and rapid sand filtration (pressure) for iron removal	2,000	2,000*	185	P	37.7	16.0
Avalon (Municipality)	3 driven wells, 925'-950' deep	Chlorination	343	343*	154	P	45.7	88.0
Avon (Municipality)	3 driven wells, 500'-1150' deep	Filtration, rapid sand (pressure) for CO ₂ and iron removal	1,220	1,220*	138	P	40.3	33.0
			144	50*		P		
Barnegat (Municipality)	1 driven well		1,037	400*				
(Union Twp., part)			144	94*	47	P		
Barnegat Water Co.	1 driven well, 152' deep		1,037	500*			15.6	2.0
(Barnegat Section of Union Twp.)			1,235	150	....	G	9.5	13.0
Bartley, A. H. (Mount Olive Twp., Bartley Section)	Springs							

Bassett Park Assoc. (Basset Park Section of Mine Hill Twp.)	1 driven well, 102' deep		1,422	250	....	P	25.6	31.0
Beach Haven (Municipality)	3 driven wells, 575'-615' deep		715	715*	247	P	11.1	11.0
Belmar (Municipality)	9 driven wells, 655' deep		3,491	3,491*	594	P	84.3	80.0
Berlin (Municipality)	4 driven wells, 70'-339' deep		1,955	1,955	127	P	13.2	2.0
(Berlin Twp.)			1,537	1,200				
Berrien, Estate of A. L. (West Windsor Twp.)	1 driven well, 98' deep		1,711	200	....	P	37.7	51.0
(Berrien and Princeton Gardens Section)								
Bernards Water Company (Bernardsville)	Passaic River	Slow sand filtration and chlorination	3,336	3,336	237	P	28.6	53.0
(Bernards Twp., Basking Ridge section)			2,293	800				
Blackwood Water Co. (Gloucester Twp., Blackwood Section)	5 driven wells, 45'-89' deep	Chlorination	5,820	1,450	96	P	61.0	34.5
Blairstown Water Co. (Blairstown Twp.)	2 driven wells, 300' deep		1,416	800	70	P	164.3	199.0
Blew, D. H. (Downe Twp., Fortesque Section)	1 driven well, 300' deep		1,574	10			74.3	90.0
Bloomsbury (Municipality)	Springs and Pine Hollow Brook	Rapid sand filtration (pressure) and chlorination	639	639	87	G	40.3	20.1
Bogota Water Company (Bogota)	1 driven well, 180' deep		7,841	5,041		P	119.0	56.0
Bonton (Municipality)	Stony Brook	Chlorination	6,866	6,866	633	G&P	22.1	13.8
Bordentown (Municipality)	3 spring collecting drains, 11 driven wells, 60'-65' deep		4,405	4,405	772	P	25.0	2.5
Bound Brook Water Co. (Bound Brook)	Middle Brook, 20 driven wells, 125'-150' deep	Rapid sand filtration (pressure) and chlorination for surface supply	7,372	7,372				
(Bridgewater Twp., part)			3,352	2,000	521.3	G&P	50.0	19.0
(Middlesex Boro, part)			3,504	500				
(South Bound Brook)			1,763	1,763				
Branchville (Municipal)	Dry Brook	Chlorination	665	465	120	G	20.0	10.0
Branchville Water, Light and Power Company (Branchville, part)	Culvers Lake and North Branch of Paulins Kill		665	200		P	21.0	10.0
Bridgeport Water Co. (Logan Twp., Bridgeport Twp. Section)	5 driven wells, 40' deep		1,860	800	18	P	26.0	9.0
Bridgeton (Municipality)	West Branch of Cohansey River	Rapid sand filtration (gravity) and chlorination	15,699	15,699	2,848	P	16.9	5.0
Brigantine City (Municipality)	1 driven well, 829' deep		357	357*	115	P	47.6	38.0
Brooklawn (Municipality)	2 driven wells, 152'-165' deep		1,753	1,753	151	P	63.8	69.0
Brown's Mills Co., The (Pemberton Twp., Brown's Mills Section)	1 driven well, 300' deep		1,929	200*	89	P	51.0	95.0
Buckhorn Springs Water Co. (Belvidere)	Buckhorn Creek	Chlorination	2,073	2,073*	380	G	18.2	16.0
Burlington (Municipality)	Delaware River	Coagulation, rapid sand filtration (gravity) and chlorination	10,844	10,844	1,091	P	42.7	20.0
(Springside Section of Burlington Twp.)			2,587	250				

* Seasonal increase from 2 to 20 times in population.

TABLE No. 3.—DESCRIPTIVE DATA OF PUBLIC WATER SUPPLIES IN NEW JERSEY (Continued)

OWNER AND MUNICIPALITIES SUPPLIED	SOURCE OF SUPPLY	TREATMENT	POPULATION 1930 PERMANENT	POPULATION SUPPLIED ESTIMATED	1930 CONSUMPTION IN THOUSAND GALS. PER DAY	GRAVITY OR PUMPED	HARDNESS	ALKALINITY
Califon Water Company (Califon) Camden (Municipality)	3 springs 1 driven wells, 118'-183' deep at Cam- den; 5 driven wells, 150'-200' deep at Putachack Field; 115 driven wells at Morris Station; 3 driven wells, 129'-144' deep at Delair	Chlorination	534 118,700	500 105,000	2 19,448	G P	35.1 50.0	20.0 21.5
(Pensauken Twp.) (Delair Section)			16,915 2,516	300 200*				
Camp Meeting Assoc. of Newark Con- ference, M. E. (Hanover Twp., Mt. Tabor Section)	2 springs, 2 driven wells, 30'-40' deep	Chlorination			20	P	31.0	35.0
Canfield Estate, Arthur (Mt. Olive Twp., Budd Lake Section)	1 spring		1,235	50*	....	G	18.2	20.0
Cape May (Municipality)	5 driven wells, 290'-312' deep	Chlorination	2,637	2,637*	941	P	37.7	99.0
(South Cape May)			6	6*				
(West Cape May)			1,048	1,048*				
Cape May Point (Municipality)	1 driven well, 602' deep; 4 shallow wells, 16'-20' deep		104	104*	40	P	97.1	300.0
(Lower Township)			1,444	1,000*				
Cedar Lake Water Co. (Denville Twp., part)	3 springs		2,162	300*	....	G	35.0	25.0
Chatham (Municipality)	3 driven wells, 88'-326' deep		3,869	3,500	355	P	90.0	73.0
Chatham Colony Assoc. (Floral Hill Section of Chatham)	1 driven well, 276' deep		369	369	....	..	118.0	47.0
Chester Township (Maple Shade Section)	2 driven wells, 385' deep	Aeration and rapid sand filtration (pressure) for iron removal	5,117	4,000	306	P	50.0	39.0
(Municipality)								
Clayton (Municipality)	1 driven well, 100' deep	Aeration and lime treatment for iron removal	2,351	1,500	60	P	....	....

Clementon (Municipality)	3 driven wells, 172'-239' deep		2,605	2,605	266	P	60.0	65.0
(Hi Nella)			160	100				
(Lindenwold)			2,523	1,800				
(Pine Hill)			1,392	800				
(Pine Valley)			40	25				
Cliffwood Beach Co., Inc. (Matawan Twp., Cliffwood Beach Section)	1 driven well, 200' deep		2,496	250*	56	P	28.6	5.0
Clinton Water & Water Supply Co. (Clinton)	Beaver Brook	Chlorination						
(Clinton Twp., Annandale Section)			932	932	158	G	75.0	70.0
(Lebanon)			1,856	400				
(Sells water to Beaver Brook Water Co.)			550	550				
Clymer, Miss Valera (Pobatscong Twp., Riegelsville Section)	7 springs		1,974	550	....	G	....	....
Coast Inland Development Co. (Dover Twp., Normandy Beach Section)	1 driven well, 1038' deep		3,970	200*	....	P	....	....
Collingswood (Municipality) (Haddon Township)	3 driven wells, 297'-337' deep	Chlorination, aeration	12,723	12,723	1,100	P	65.7	48.0
(Woodlynne)			9,198	6,000				
Colonial Manor Water Co. (West Deptford Twp., Colonial Manor Section)	1 driven well, 140' deep		2,878	2,878				
			3,956	1,200	26	P	64.0	88.0
Columbus Water Company (Columbus Section of Mansfield Twp.)	2 driven wells, 225'-230' deep		1,709	500	17	P	60.0	75.0
Cook, H. A. (Dutch Neck Section of West Windsor Twp.)	3 shallow wells, 30' deep		1,711	250	....	P	15.0	20.0
Commonwealth Water Co. (Summit)	57 driven wells, 40'-394' deep							
(Hillside Twp. part)			14,566	14,566				
(Irvington)			17,601	3,500				
(Livingston Twp.)	Canoe Brook	Coagulation, rapid sand filtration (gravity) and chlorination	56,733	56,733	9,261	P	137.6	80.0
			3,476	3,476				
(Maplewood Twp.)			21,321	21,321				
(Millburn Twp.)			8,602	6,602				
(New Providence)			1,918	1,918				
(New Providence Twp.)			1,899	1,899				
(Springfield Twp., part)			3,725	720				
(Stirling)			2,149	450				
(Union Twp., part)			16,472	2,700				
(West Orange)			24,327	24,327				
Comp. C. A. (Yardville and Yardville Hts. Sections of Hamilton Twp.)	1 spring at Yardville		27,121	450				
Corson's Inlet Water Co.	1 spring at Yardville Hts.			60	....	P	20.0	11.0
(Corson's Inlet and Strathmere Sections of Upper Twp.)	1 driven well, 856' deep		250	250*	89	P	33.8	68.0
			1,057	200				

* Seasonal increase from 2 to 20 times in population.

TABLE No. 3.—DESCRIPTIVE DATA OF PUBLIC WATER SUPPLIES IN NEW JERSEY (Continued)

OWNER AND MUNICIPALITIES SUPPLIED	SOURCE OF SUPPLY	TREATMENT	POPULATION 1930 PERMANENT	POPULATION SUPPLIED ESTIMATED	1930 CONSUMPTION IN THOUSAND GALS. PER DAY	GRAVITY OR PUMPED	HARDNESS	ALKALINITY
Cranbury Water Co. (Cranbury Twp.)	2 driven wells, 115'-267' deep	Aeration and lime treatment for CO ₂ removal	1,278	1,000	27	P	65.7	31.0
Crestmont Realty Co. (Crestmont Park Section of Ewing Twp.)	1 driven well, 165' deep		6,942	150	....	P	47.0	50.0
Crosswicks Water Co. (Crosswicks Section of Chesterfield Twp.)	Spring collecting drains		1,269	600	21	P	28.6	5.0
Delaware River Water Co. (Beverly)	12 driven wells, 60'-70' deep		2,864	2,864				
(Delanco Twp.)			2,349	2,000				
(Edgewater Park Twp.)			1,243	800	468	P	50.0	18.0
(Riverside Twp.)			7,061	5,000				
Denville Twp. (Municipality)	1 driven well, 100' deep		2,162	1,500	180	P	....	....
Dover (Municipality)	8 driven wells, 67'-200' deep; 2 springs; 1 spring collecting drain	Chlorination for spring supplies	10,031	10,000	689	G&P	79.8	70.0
E. I. duPont de Nemours & Co. (Deepwater Village and Carney's Point Section of Upper Penn's Neck Twp.)	4 driven wells, 78' deep		3,879	450 900	38	P	15.0	81.0
E. I. duPont de Nemours & Co. (Gibbs-town Section of Greenwich Twp.)	1 driven well, 96' deep		2,361	550	....	P	20.8	7.0
East Orange (Municipality)	40 driven wells, 115'-260' deep		68,020	68,020	4,654	P	105.0	89.0
Egg Harbor City (Municipality)	4 driven wells, 132'-440' deep	Aeration, sedimentation and filtration (pressure) for iron removal and chlorination	3,478	3,478	259	P	29.9	5.0
Elchler, August (East Greenwich Twp., Mickleton Section)	1 driven well, 170' deep		2,031	150	....	P	47.1	175.0

Elizabethtown Water Co., Cons.		Elizabeth River; Hammock Station, Rapid sand filtration (gravity) for surface supplies and chlorination for all supplies					
		56 driven wells, 125' deep; Springfield station, 54 driven wells, 135' deep; Piscataway station, 13 driven wells, 125' deep; Watchung station, 5 driven wells, 125'-210' deep. Junction of Raritan and Millstone Rivers at Bridgewater. Buys water from: Middlesex Water Co., Short Hills Water Co., Commonwealth Water Co., Plainfield-Union Water Co., City of Rahway, City of Newark.		Rapid sand filtration (gravity) and chlorination			
(Elizabeth)				114,589	110,589		
(Clark Twp.)				1,474	800		
(Dunellen)				5,148	5,094		
(Hillside Twp.)				17,601	14,000	9,607	P 130.0 123.9
(Linden)				21,206	19,506		
(Middlesex)				3,504	3,000		
(Piscataway Twp.)				5,865	800		
(Plainfield, part)				34,422	4,000		
(Raritan Twp.)				10,025	6,425		
(Roselle, part)				13,021	1,500		
(South Plainfield, part)				5,047	500		
(Union Twp.)				16,472	8,572		
Elmer Water Company (Elmer)	1 driven well, 73' deep			1,219	1,219	122	P 24.7 20.0
Essex Fells (Municipality)	10 driven wells, 36'-205' deep		Chlorination	1,115	1,115		
(Caldwell)				5,144	5,094		
(North Caldwell)				1,492	1,492		
(West Caldwell)				2,911	2,911	1,024	P 68.6 74.0
(Verona)				7,161	7,161		
(Roseland)				1,058	1,058		
Evans, Charles N. (Lincoln Park)	1 driven well, 53' deep			1,831	600	0.8	P 65.0 51.0
Fairbanks-Morse Co. (Bridgeton)	1 driven well, 74' deep			15,699		(Is not supplying water)	
Fairlawn (Municipality)	3 driven wells, 300'-325' deep		Chlorination	5,990	4,000	306	P 146.5 44.0
Farmingdale (Municipality)	1 driven well, 480' deep			629	629		
(Howell Twp., part)				3,146	800	13	P 91.5 104.0
Fisher, David K. (Sparta, part)	Spring			1,316	500	....	G 191.3 174.0
Flemer, Wm. Jr. (Franklin Twp., Kingston Section)	1 dug well, 23' deep		Chlorination	5,675	150	....	P 55.0 40.0
Flemington Water Co. (Flemington)	2 driven wells, 405' deep; 4 springs; South Branch of Raritan River		Rapid sand filtration (gravity) and chlorination on springs and surface supply	2,729	2,729	....	P 78.6 67.0
Florham Park (Municipality)	1 driven well			1,269	1,269	....	P
Fortesque Water Co. (Fortesque Section of Downe Twp.)	1 driven well, 306' deep			1,574	40*	....	P 74.3 90.0
Foulds, A. W. (Sparta, part)	1 spring			1,316	150	....	G 193.0 165.0
Freehold (Municipality)	16 driven wells, 60'-500' deep			6,894	6,894	400	P 137.6 98.0

TABLE No. 3.—DESCRIPTIVE DATA OF PUBLIC WATER SUPPLIES IN NEW JERSEY (Continued)

OWNER AND MUNICIPALITIES SUPPLIED	SOURCE OF SUPPLY	TREATMENT	POPULATION 1930 PERMANENT	POPULATION SUPPLIED ESTIMATED	1930 CONSUMPTION IN THOUSAND GALS PER DAY	GRAVITY OR PUMPED	HARDNESS	ALKALINITY
Frenchtown (Municipality)	1 driven well, 286' deep	Chlorination	1,189	1,189	76	P	51.9	55.2
Garfield (Municipality)	14 driven wells, 350'-400' deep (10 wells in reserve, 200'-500' deep)	Chlorination	29,739	29,739	....	P	88.0	65.0
(East Paterson)			4,779	4,779				
(Lodi Twp. part)			1,294	600				
(Saddle River Twp.)			2,424	2,424				
Gillette Development Co. (Gillette Section of Passaic Township)	1 driven well, 410' deep		2,149	350	....	.	162.5	159.0
Glassboro (Municipality)	2 driven wells, 250'-654' deep		4,799	4,799	170	P	71.4	102.0
Glen Gardner Water Co. (Glen Gard- ner)	Springs		554	554	....	G	20.0	15.0
Gloucester (Municipality)	19 driven wells, 91'-175' deep	Aeration, sedimentation, rapid sand filtration (gravity) and chlorination	13,796	13,796	1,217	.	68.6	72.0
Gropp, Andrew (White Horse Section Hamilton Twp.)	1 driven well, 53' deep		27,121	60	....	.	....	....
Greenwich Township (Municipality- Gibbstown Section)	1 driven well, 100' deep	Chlorination	2,361	1,000	....	P	81.4	4.0
Grenloch Realty Co. (Gloucester Twp., Grenloch Section)	2 driven wells, 100'-160' deep	Chlorination	5,820	450	30	P	60.0	65.0
Hackensack Water Co.	Hackensack River	Rapid sand filtration (gravity) and chlorination						
(New Milford)			2,556	2,556	33,687	P	50.0	45.0
(Alpine)			521	521				
(Bergenfield)			8,816	8,816				
(Bogota)			7,341	2,300				
(Carlstadt)			5,425	5,425				
(Cliffside Park)			15,267	15,267				
(Closter)			2,502	2,502				
(Cresskill)			1,924	1,924				
(Demarest)			1,013	1,013				
(Dumont)			5,861	5,861				
(East Rutherford)			7,080	7,080				
(Edgewater)			4,089	4,089				
(Emerson)			1,394	1,394				

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TABLE No. 3.—DESCRIPTIVE DATA OF PUBLIC WATER SUPPLIES IN NEW JERSEY (Continued)

OWNER AND MUNICIPALITIES SUPPLIED	SOURCE OF SUPPLY	TREATMENT	POPULATION 1930 PERMANENT	POPULATION SUPPLIED ESTIMATED	1930 CONSUMPTION IN THOUSAND GALS. PER DAY	GRAVITY OR PUMPED	HARDNESS	ALKALINITY
Hamburg (Municipality)	3 driven wells, 68'-103' deep	Chlorination	1,160	1,160	30	P	145.2	227.0
Hamilton Square Water Co. (Hamilton Twp., Hamilton Square Section)	1 driven well, 130' deep		27,121	1,000	6	P	26.0	10.0
Hammononton (Municipality)	8 driven wells, 180'-323' deep		6,417	6,417	455	P	14.8	5.0
Hanover Water Co. (Wrightstown)	2 driven wells, 140'-341' deep		176	176	6	P	90.0	95.0
Harvey Cedars (Municipality)	1 driven well, 350' deep		53	53*	8	P	30.0	8.0
Haskell Realty Corp. (Wanaque, Haskell Section)	Spring		3,119	400	89	P	....	....
Hawthorne (Municipality)	Shallow wells, 25'-30' deep							
Helm Company, George W. (Helm-etta)	3 driven wells, 113'-250' deep		11,868	11,868	697	P	81.4	84.0
Henan, Mrs. Rose (Pine Hill)	1 driven well, 250' deep; 2 shallow wells, 24'-36' deep	Permutit filter for iron removal	801	601	17	P	30.0	8.0
High Bridge (Municipality)	1 driven well, 75' deep		1,392	200	....	P	7.9	12.0
	Springs and Willoughby Brook; 2 driven wells, 63'-100' deep; 1 dug well, 27' deep; 1 seepage well	Chlorination, except driven wells	1,800	1,860	173	G	70.0	60.0
Highlands (Municipality)	3 driven wells, 315'-650' deep	Aeration and slow sand filtration for iron removal.	1,877	1,877*	218	P	68.6	65.0
	1 driven well, 153' deep; 1 spring	Aeration and rapid sand filtration (pressure) for iron removal.						
Hightstown (Municipality)	5 driven wells, 200' deep	Rapid sand filtration (pressure) and lime for CO ₂ and iron removal	3,012	3,012	273	P	65.5	59.0
Home Colony, Inc. (Prospect Point Section of Lake Hopatcong) (Jefferson Twp.)	1 driven well, 369' deep		1,254	150*	3.4	P	58.5	37.0
Hopewell (Municipality)	2 driven wells, 234'-500' deep		1,467	1,467	54	P	116.5	88.0
Hundermark Hotel Corp. (Fortesque Section of Downe Twp.)	1 driven well, 285' deep		1,574	10*	....	P	....	....
Hussa, Harry (Indian Lakes Section of Denville Twp.)	1 well, 60' deep		2,162	300*	....	P	23.8	17.0
Ideal Beach Water Co. (Keansburg)	2 driven wells, 160'-165' deep	Aeration and rapid sand filtration (gravity) for iron removal	2,190	300*	28	P	32.0	21.6
Island Heights (Municipality)	4 driven wells, 50'-300' deep		453	453*	22	P	15.6	55.0
Jamesburg Water Company (Jamesburg)	4 driven wells, 75'-128' deep		2,048	2,048	23.6	P	17.3	5.0

Jersey City (Municipality) (Caldwell Twp., Fairfield Section) (Hoboken) (North Arlington) (Union Twp.) (Little Falls, part) (Nutley, part) (Passaic, part) (Secaucus, part) (Ellis Island, New York Harbor) (Fort Wood, Liberty Island, New York Harbor) (Bayonne, in emergency)	Rockaway River	Chlorine and hypochlorite disinfection	316,715 5,144 59,261 8,263 16,472 5,161 20,572 62,959 8,950	316,715 50 59,261 8,263 3,000 50 50 50 25							
Junction Water Company (Hampton)	Rocky River; 12 springs; 1 driven well, 327' deep	Chlorination	88,979 861								
Keansburg (Municipality)	2 driven wells, 290' deep	Aeration, lime and rapid sand filtration (pressure) for iron removal	2,190	1,890*	139	G&P	31.2	27.0			
Keyport (Municipality)	7 driven wells, 240'-276' deep	Aeration and slow sand filtration for iron removal	4,940 1,768	4,940* 250	467	P	35.0	23.0			
Koch, Fred E. (Rochelle Park Twp.)	1 driven well, 206' deep		27,121	200	576	P	41.6	13.0			
Lacy, Philip (Hamilton Twp., White Horse Section)	1 driven well, 60' deep		947	947*	....	P	115.0	65.0			
Lakehurst (Municipality)	2 driven wells, 125'-238' deep		947	947*	33	P	31.0	41.0			
Lakewood Water Co. (Lakewood)	3 driven wells, 650' deep; 3 shallow wells, 20' deep (emergency supply, Metedeconk River)	Chlorination	7,869	3,020*	710	P	20.0	22.5			
(Howell Twp., part)			3,146	300							
Lambertville Water Co. (Lambertville)	Springs; streams tributary to Delaware River	Slow sand filtration and chlorination	4,660	4,660	253	G	51.4	41.0			
Laurel Springs Water Co. (Gloucester Twp., Overbrook Section)	6 driven wells, 96'-110' deep		5,820 1,343 1,522 1,151 958 1,405 2,566	200 1,343 1,522 1,151 358 500 200*							
(Laurel Springs) (Magnolia) (Somerdale) (Stratford) (Voorhees Twp., Kirkwood Section)					354	P	78.6	71.0			
Lawrence Harbor Hts. Co. (Madison Twp., Lawrence Harbor Section)	2 driven wells, 99'-200' deep		287 6,293	287* 1,500	59	P	30.0	9.3			
Lavallette (Municipality)	2 driven wells, 1136'-1522' deep				97	P	52.0	164.0			
Lawrenceville Water Company (Lawrence Twp., Lawrenceville Section)	2 driven wells, 65'-230'	Chlorination			32	P	75.7	58.0			
Lehigh Water Company (Location of plant, Easton, Pa.) (Phillipsburg, N. J.)	Delaware River, infiltration gallery	Chlorination	19,255	25	36	P	27.0	29.0			

* Seasonal increase from 2 to 20 times in population.

TABLE No. 3.—DESCRIPTIVE DATA OF PUBLIC WATER SUPPLIES IN NEW JERSEY (Continued)

OWNER AND MUNICIPALITIES SUPPLIED	SOURCE OF SUPPLY	TREATMENT	POPULATION 1930 PERMANENT	POPULATION SUPPLIED ESTIMATED	1930 CONSUMPTION IN THOUSAND GALS. PER DAY	GRAVITY OR PUMPED	HARDNESS	ALKALINITY
Lodi (Municipality)	5 driven wells, 305'-320' deep		11,549	11,549	713	P	156.3	87.0
Long Beach Water Company (Long Beach Twp.)	1 driven well, 570' deep at Brant Beach; 1 driven well, 595' deep at Beach Haven Terrace	Rapid sand filtration (pressure) for iron removal at Beach Haven Terrace	355	355*	76	P	15.0	16.0
Longport (Municipality)	2 driven wells, 850'-855' deep		228	228*	103	P	35.1	57.0
Long Valley Water Co. (Washington Twp., Long Valley Section)	Spring fields and underdrains	Chlorination	1,615	550	....	G	18.2	19.0
Lopatcong Water Co. (Phillipsburg, part)	Merrill Brook	Chlorination	19,255	755				
(Lopatcong Twp.)			1,269	1,000	753	G	29.0	4.0
Lucas & Company, John (Gibbsboro)	2 driven wells, 160' deep		622	622	35	P	65.7	73.0
(Voorhees Twp.)			1,405	300				
Lumberton Light, Water and Sewerage Co. (Lumberton Twp.)	1 driven well, 400' deep		905	600	21	P	40.6	42.0
Madison (Municipality)	11 driven wells, 86'-160' deep		7,481	7,481	609	P	119.5	107.0
Mahwah Water Co. (Hohokus Twp., Mahwah Section)	3 driven wells, 300'-600' deep		3,536	1,000	....	P	80.0	82.0
Manasquan (Municipality)	6 driven wells, 48'-150' deep		2,320	2,320*	174	P	30.0	3.3
(Brielle)			684	684*				
Mantua Water Co. (Mantua Twp.)	2 driven wells, 210' deep		2,677	1,000	19	P	32.5	148.0
Manville (Municipality)	2 driven wells, 210' deep		5,441	5,441	....	P	(New Supply)	
Margate City (Municipality)	4 driven wells, 812'-815' deep	Chlorination	2,913	2,913*	570	P	73.0	54.5
Marlton Water Company (Marlton)	2 driven wells, 216' deep		1,654	1,100	....	P	109.9	119.0
Matawan (Municipality)	5 driven wells, 200'-325' deep	Aeration and slow sand filtration for iron removal	2,264	2,264*	177	P	16.5	6.6
Mays Landing (Municipality, Hamilton Twp., Atlantic County)	3 driven wells, 250' deep		3,193	1,000	82	P	22.1	18.0
Mays Landing Water Power Co. (Mays Landing, Section of Hamilton Twp., Atlantic County)	2 driven wells, 176' deep (emergency supply, Lake Lenape)	Chlorination for emergency supply	3,193	500	....	P	60.0	43.0
McGalliard, Edward (White Horse Section of Hamilton Twp.)	1 driven well, 170' deep		27,121	200	....	P	27.9	9.0
McGalliard, W. M. (White Horse Section of Hamilton Twp.)	1 driven well, 70' deep; 1 shallow well, 20' deep		27,121	200	....	P	15.6	3.0

Medford Water Co. (Medford Twp.)	1 driven well, 538' deep (emergency supply, Rancocas Creek)	Chlorination of emergency supply	2,021	1,290	53	P	68.6	75.0
Mendham (Municipality)	4 springs, Brook tributary to North branch of Raritan River	Slow sand filtration of brook water and chlorination of spring and brook supply	1,278	1,278	80	G	18.2	39.0
(Mendham Twp., part)			1,003	400				
Merchantville-Pensauken Water Commission	13 driven wells, 75'-227' deep	Aeration and rapid sand filtration (pressure) for iron removal	3,592	3,592	945	P	53.5	18.5
(Merchantville)			16,915	11,415				
(Pensauken Twp., part)			5,734	3,500				
(Delaware Twp., part)			118,700	1,700				
(Camden, part)								
Middlesex Water Co.	17 driven wells, 300' deep at Park Avenue, Plainfield; Robinson's branch of Rahway River at Rahway; 11 driven wells, 300' deep at South Plainfield	Coagulation, rapid sand filtration (pressure) and chlorination for surface supply. Chlorination at South Plainfield and Park Avenue	25,266	25,266	4,030	P	136.0	48.2
(Woodbridge Twp.)			13,339	13,339				
(Carteret)			1,474	400				
(Clark Twp.)			5,748	5,748				
(Metuchen)			10,025	3,000				
(Raritan Twp.)			5,047	825				
(South Plainfield)			2,149	1,000	....	P	140.0	146.0
Millington Water Co. (Passaic Twp., Millington Section)	2 shallow wells, 16'-20' deep		14,705	7,500	2,264	P	13.7	0.0
Millville (Municipality)	8 driven wells, 112' deep		14,705	7,205	1,737	P	16.9	3.0
Millville Water Co. (Millville)	14 driven wells, 135'-400' deep; Union Lake and Maurice River	Rapid sand filtration (gravity) and chlorination for surface supply	933	933	32	P	114.8	107.0
Mine Spring Water Co. (Milford)	1 driven well, 96' deep; 1 shallow well, 24' deep							

* Seasonal increase from 2 to 20 times in population.

TABLE No. 3.—DESCRIPTIVE DATA OF PUBLIC WATER SUPPLIES IN NEW JERSEY (Continued)

OWNER AND MUNICIPALITIES SUPPLIED	SOURCE OF SUPPLY	TREATMENT	POPULATION 1930 PERMANENT	POPULATION SUPPLIED ESTIMATED	1930 CONSUMPTION IN THOUSAND GALS. PER DAY	GRAVITY OR PUMPED	HARDNESS	ALKALINITY
Monmouth Consolidated Water Co. (Neptune Twp.) (Bradley Beach) (Deal) (Eatontown) (Fair Haven) (Little Silver) (Long Branch) (Monmouth Beach) (Middletown Twp.) (Neptune City) (Ocean Twp.) (Oceanport) (Red Bank, part) (Rumson) (Sea Bright) (Shrewsbury) (Shrewsbury Township) (West Long Branch)	10 driven wells, 590'-1125' deep; Jumpug Brook at Neptune Twp., auxiliary supply at Whitesville	Rapid sand filtration (pressure), lime sedimentation and chlorination for CO ₂ iron removal	10,625 3,306 800	6,425* 3,306* 800*				
	Whale Pond Brook at West Long Branch	Rapid sand filtration (pressure) and chlorination	1,938 2,260 1,109	1,938* 2,000* 1,109*				
	Hop and Yellow Brooks at Newman Springs	Coagulation, rapid sand filtration (gravity) and chlorination	18,399 457 9,209	18,399* 457* 9,209*	8.139	P	85.7	30.0
	8 driven wells, 380'-585' deep, at Deal, held as supplementary supply		2,258 2,892 1,872	2,258* 2,892* 1,872*				
	6 driven wells, 191'-335' deep at Fair Haven, held as supplementary supply	Aeration and slow sand filtration for iron removal	11,622 2,073 899 857 1,052 1,686 4,064	600* 2,073* 899* 857* 1,052* 1,686* 1,200				
Monroe Township (Municipality, Wil- liamstown Section)	2 driven wells, 102'-114' deep				....	P	....	....
Moorestown (Municipality)	7 driven wells, 157'-517' deep	Aeration, sedimentation and rapid sand filtration (gravity) for iron removal	7,247	7,247	....	P	....	....

Morris and Sussex Water Service Co. (Lake Rogerene Section of Mt. Arlington)	2 driven wells, 91'-100' deep		306	100	....	P	....	....
Morristown (Municipality)	8 driven wells, 45'-60' deep; springs collected in reservoirs (3 supplies) sand springs (in bottom of reservoir); East Primrose Brook with infiltration gallery in two reservoirs in series; West Primrose Brook with infiltration gallery in two reservoirs in series; Harmony Brook (emergency supply)	Chlorination for surface supply	15,197	15,197	1,159	P	70.0	84.0
(Hanover Twp., part)			2,516	1,500	....	G	....	....
(Harding Twp., part)			1,206	800				
(Morris Plains)			1,713	1,713				
(Morris Twp., part)			5,565	4,000				
Mountain Lakes (Municipality)	5 driven wells, 50'-469' deep		2,132	2,132*	141	P	75.0	45.0
Mount Holly Water Co. (Northampton Twp., Mt. Holly Section)	1 driven well, 372' deep (emergency supply, Raucocas Creek)	Rapid sand filtration (gravity) and chlorination for emergency supply Filtering and aerating well water for iron removal Lime treatment for alkalinity	6,573	6,000	318	P	40.5	67.7
(Hainesport Twp., part)			984	400				
(Lumberton Twp., part)			905	250				
Murberk Realty Co. (Raritan Twp.)	1 driven well, 200' deep		10,025	600	....	P	....	....
National Park (Municipality)	2 driven wells, 100'-120' deep		1,828	1,828	98	P	43.8	9.0
(West Deptford Twp., part)			3,956	50				
Netcong (Municipality)	2 driven wells, 29-85' deep. Springs, underdrains and brook		2,097	2,097	....	P	74.3	85.0
Newark (Municipality)	Pequanock River Buys water from North Jersey District Water Supply Commission)	Chlorination	442,337	442,337	50,799	G	29.0	15.0
(Belleville)			26,974	26,974				
(Bloomfield, part)			4,793	4,793				
(Cedar Grove Twp.)			114,589	2,000				
(Elizabeth, part)			20,572	500				
(Nutley)			34,555	34,555	6,452	P	35.1	7.0
New Brunswick (Municipality)	Lawrence Brook	Aeration, rapid sand filtration (gravity) and chlorination	5,675	800				
(Franklin Twp., part)			8,691	8,691				
(Highland Park)			2,994	2,994				
(Milltown)			3,622	622				
(North Brunswick Twp., part)			1,215	650*	25	P	66.2	72.5
New Egypt Light, Heat, Power & Water Co. (Plumstead Twp., New Egypt Section)	1 driven well, 238' deep							

* Seasonal increase from 2 to 20 times in population.

TABLE No. 3.—DESCRIPTIVE DATA OF PUBLIC WATER SUPPLIES IN NEW JERSEY (Continued)

OWNER AND MUNICIPALITIES SUPPLIED	SOURCE OF SUPPLY	TREATMENT	POPULATION 1930 PERMANENT	POPULATION SUPPLIED ESTIMATED	1930 CONSUMPTION IN THOUSAND —GALS. PER DAY—	GRAVITY OR PUMPED	HARDNESS	ALKALINITY
New Jersey Conference Camp Meeting Assoc. (Pitman) (Mantua Twp., Pitman Grove Sec- tion)	2 driven wells, 183' deep		5,411 2,877	400* 677	119	P	87.8	79.0
New Jersey Water Company	1 driven well, 408' deep at Ashland Terrace; 6 driven wells, 190'-295' deep at Haddon Heights and vicin- ity; 1 driven well, 264' deep at Barrington; 27 driven wells, 52'-176' deep at Camden; 1 driven well, 318' deep at Runnemede	Chlorination on Runnemede supply Aeration and filtration for iron removal on Barrington supply	5,394 8,904 2,252 118,700 5,734 8,857 9,198 3,843 16,015 2,436 1,405	5,394 8,904 2,252 12,000 2,200 850 3,100 3,843 4,700 2,436 200	1,428	P	71.5	86.8
(Haddon Heights) (Audubon) (Barrington) (Camden, part) (Delaware Twp., part) (Haddonfield, part) (Haddon Twp., part) (Oaklyn) (Pensauken Twp., part) (Runnemede) (Voorhees Twp., Ashland Terrace Section)								
New Jersey Water Service Company	Apshawa Brook; Kikeout Creek	Chlorination						
(Butler) (Bloomingdale) (Pompton Lakes) (Riverdale) (Wanaque) (Little Falls Twp.) (West Paterson)	Purchases Water from Passaic Valley Water Commission		3,392 2,543 3,104 1,052 3,119 5,161 3,101	3,392 2,543 3,104 1,052 2,700 4,000 3,101	....	G	37.7	30.0

New Jersey Water and Light Co. (Ocean Grove Section of Neptune Twp.)	29 driven wells, 400'-1100' deep		10,625	4,000*	340	P	87.1	73.0
New Jersey Zinc Co. (Franklin)	Walkill River	Rapid sand filtration (gravity) and chlorination	4,176	4,176	255	P	112.0	57.2
New Orange Park Water, Heat, Light and Power Co. (Kenilworth)	1 driven well, 275' deep		2,243	1,243	147	P	80.0	70.0
Newton (Municipality)	Morris Lake	Chlorination	5,401	5,401	625	G	....	....
New York and New Jersey Suburban Water Co. (East Newark)	Purchases water from Passaic Valley Water Commission		2,686	2,686	....	P	36.4	20.0
(Kearny)			40,716	1,000				
(Harrison)			15,601	15,601				
Nicholas, H. R. H. (Mt. Olive Twp., Flanders Section)	Spring	New supply	1,235	50	....	G	....	....
Normandy Water Co. (Morris Twp.)	2 driven wells, 80'-90' deep		5,565	4,000	292	P	20.8	162.0
North Brunswick Twp. (Municipality)	1 driven well, 102' deep		3,622	3,000	28	P	125.6	130.6
North Jersey District Water Supply Commission (Bayonne)	Wanaque River (Reservoir at Wanaque, N. J.)	Chlorination	88,979	88,979	24,540	G	....	....
(Bloomfield)			38,077	38,077				
(Glen Ridge)			7,365	7,365				
(Kearny)			40,716	39,716				
(Montclair)			42,017	42,017				
(Newark)			442,337	....				
Ober, Charles C. (Newfield)	1 driven well, 26' deep		880	150	....	P	(New supply)	
Ocean City Water Service Co. (Ocean City)	7 driven wells, 809'-840' deep		5,525	5,525*	943	P	48.6	4.0
(Cape May Court House, Section of Middle Twp.)			3,430	2,500*				
Ocean County Water Co. (Bay Head, Mantoloking, Brick Twp. part)	4 driven wells, 700'-900' deep; 5 driven wells, 900'-1000' deep	Chlorination	(Wells at Mantoloking only used during peak loads.)					
Ocean Gate Water Co. (Ocean Gate)	1 driven well, 376' deep		100	100 ^a	10	P	....	....
Ogdensburg (Municipality)	Spring-brook	Rapid sand filtration (pressure) and chlorination	1,138	1,138	72	G	26.0	13.0
Orange (Municipality)	West Branch of Rahway River; 1 driven well, 380' deep	Rapid sand filtration (pressure) and chlorination	35,399	35,399	2,675	P	115.0	75.0
Park Ridge (Municipality)	1 driven well, 435' deep	Chlorination	2,229	2,229	135	P	71.5	83.6
(Woodcliff Lake)								
Parsippany Water Co. (Parsippany-Troy Hills Twp.)	1 driven well, 282' deep		6,631	2,500	2	P	51.4	90.0

* Seasonal increase from 2 to 20 times in population.

TABLE No. 3.—DESCRIPTIVE DATA OF PUBLIC WATER SUPPLIES IN NEW JERSEY (Continued)

OWNER AND MUNICIPALITIES SUPPLIED	SOURCE OF SUPPLY	TREATMENT	POPULATION 1930 PERMANENT	POPULATION SUPPLIED ESTIMATED	1930 CONSUMPTION IN THOUSAND GALS. PER DAY	GRAVITY OR PUMPED	HARDNESS	ALKALINITY
Passaic Valley Water Commission (Bloomfield, part) (Clifton) (Nutley) (Passaic) (Paterson) (Prospect Park) (Totowa)	Passaic River at Little Falls	Rapid sand filtration (pressure and gravity) and chlorination	38,077 46,875 20,572 62,959 138,513 5,900 4,600	26,077 46,875 20,000 62,900 138,513 5,900 4,600	56,917	P	50.0	34.3
Standby service in case of emergency to: (Garfield) (Haledon) (Montclair)			29,730 4,812 42,017	.... .... ....				
Paulsboro (Municipality)	4 driven wells, 65'-95' deep		7,121	7,121	524	P	30.7	7.8
Peapack-Gladstone (Municipality)	Emerson Pond	Chlorination	1,273	1,273	197	G	....	....
(Bedminster Twp., part) (Far Hills)			1,374 560	750 500				
Pemberton (Municipality)	North Branch of Rancocas Creek	Chlorination	783	783	70	P	17.5	7.0
(Pemberton Twp., part)			1,929	500	....	P	....	....
Pennington (Municipality)	3 driven wells, 156'-657' deep; 1 spring	Chlorination	1,335	1,335	61	P&G	100.0	146.0
Pennsgrove Water Supply Co.	8 driven wells, 55'-180' deep	Aeration, sedimentation and rapid sand filtration (gravity) for iron removal	1,431 5,895	800 5,895	330	P	24.7	35.0
(Pedrickstown) (Pennsgrove)			19,255	18,500	1,708	P	74.8	57.9
Peoples Water Co. (Phillipsburg)	Infiltration gallery for springs	Chlorination	43,516	43,516	6,121	P	44.3	28.0
Perth Amboy (Municipality)	113 driven wells, 80'-260' deep	Lime treatment, rapid sand filtration (pressure) for iron removal	8,658 25,266 5,865	4,000 20,000				
(Sayreville Twp., part) (Woodbridge Twp., part) (Sells water to Piscataway Twp.) (Sells to So. Amboy in emergency)								

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Pine Crest Improvement Co. (Mt. Olive Twp., Budd Lake Section)	1 spring	Chlorination	1,235	100*		P	35.1	29.0
Pitman (Municipality)	9 driven wells, 150'-514' deep		5,411	5,000	217	P	32.5	219.0
Plainfield-Union Water Co. (Plainfield)	40 driven wells, 70'-500' deep	Chlorination at Watchung supply	34,422	30,400	6,164	P	149.9	88.6
(Clark Twp.)			1,474	250				
(Cranford Twp.)			11,126	11,126				
(Elizabeth, part)			114,589	2,000				
(Fanwood)			1,681	1,681				
(Garwood)								
(Kenilworth)			2,243	1,000				
(Linden, part)			21,206	1,700				
(Mountainside)			965	965				
(North Plainfield)			9,760	9,760				
(Piscataway Twp.)			5,865	2,000				
(Roselle)			13,021	11,521				
(Roselle Park)			8,969	8,969				
(Scotch Plains Twp.)			4,186	4,000				
(South Plainfield)			5,047	3,747				
(Union Twp., part)			16,472	2,200				
(Watchung)			906	906				
(Westfield)			15,801	15,801				
Plausia Park Land Co. (Montville Twp., Towaco Section)	1 driven well, 200' deep		2,487	200*	....	P	(1917) 103.0	(1917) 118.0
Point Pleasant Beach (Municipality)	17 driven wells, 30'-148' deep		1,844	1,844*	634	P	36.4	30.0
(Point Pleasant)			2,058	2,058*				
Pomona Water Co. (Fairlawn)	2 driven wells, 110' deep		5,990	1,090	....	P	84.2	31.6
Pottersville Water Co. (Bedminster Twp., Pottersville Section)	Tributary of Black River	Chlorination	1,374	500	131	G	....	34.4
Princeton Water Co. (Princeton)	7 driven wells, 300'-615' deep	Chlorination (part)	6,992	6,992	1,001	P	64.2	30.0
(Princeton Twp.)			2,738	1,200				
Property Owners Assoc. of Middlesex County, Inc. (Helm-etta, Jamesburg Park Section)	1 driven well, 224' deep		801	200	....	P	29.9	7.7
Rahway (Municipality)	Rahway River	Rapid sand filtration (gravity) and chlorination	16,011	16,011	3,801	P	101.7	60.5
Ramsey (Municipality)	3 driven wells, 203'-419' deep		3,258	3,258	186	P	77.1	65.0
Read, A. J. (Long Valley, Section of Washington Twp.)	Fairmount Spring on Fox Hill		1,615	100	....	G	16.9	18.0
Readington Water Co. (Readington Twp., Oldwick Section)	North Branch of Rockaway Creek	Prolonged storage and chlorination	2,811	800	....	G	45.0	23.5
Red Bank (Municipality)	10 driven wells, 75'-700' deep	Aeration, sedimentation, rapid sand filtration (pressure) for iron removal and chlorination for algae	11,622	11,022*	917	P	115.8	109.0
(Fair Haven, part)			2,260	260				

* Seasonal increase from 2 to 20 times in population.

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TABLE No. 3.—DESCRIPTIVE DATA OF PUBLIC WATER SUPPLIES IN NEW JERSEY (Continued)

OWNER AND MUNICIPALITIES SUPPLIED	SOURCE OF SUPPLY	TREATMENT	POPULATION 1930* PERMANENT	POPULATION SUPPLIED ESTIMATED	1930 CONSUMPTION IN THOUSAND GALS. PER DAY	GRAVITY OR PUMPED	HARDNESS	ALKALINITY
Reid, Arthur (Mt. Olive Twp., Budd Lake Section)	Spring		1,235	50*	....	G	37.0	33.5
Ridgewood (Municipality)	14 driven wells, 200'-260' deep	Chlorination	12,188	12,188	1,254	P	78.5	55.6
(Glenn Rock)			4,369	4,369				
(Hohokus)			925	925				
(Midland Park)			3,638	3,638				
Ringwood Co., The (Awosting Section of West Milford Twp.)	1 driven well, 136' deep		1,901	600*	....	P	64.5	83.6
(Lake Erskine Section of Ringwood)	3 driven wells, 164'-500' deep		1,038	350	....	P	....	....
Riverton-Palmyra Water Co.	4 driven wells, 20'-260' deep		2,483	2,483	694	P	68.2	17.8
(Hiverton)			2,277	1,000				
(Cinnaminson Twp., part)			4,968	4,968				
(Palmyra)			3,132	3,132	154	P	64.2	69.8
Rockaway (Municipality)	1 driven well, 50' deep (2 driven wells, 245'-300' deep held in reserve)							
Roebing's Sons Co., John A. (Florence Twp., Roebing Section)	1 driven well, 310' deep (emergency supply, Delaware River)	Rapid sand filtration (gravity) and chlorination on emergency supply	7,824	3,500	280	P	56.8	35.8
Salem (Municipality)	34 driven wells, 135'-250' deep; tributary to Alloway Creek	Rapid sand filtration (gravity) and chlorination	8,074	8,047	996	P	70.0	35.0
(Quinton Twp.)			1,166	500				
Schulz, A. Z. (Bellmawr)	1 driven well, 226' deep		1,123	500	....	P	73.6	81.5
Sea Girt (Municipality)	3 driven wells, 760' deep; 1 dug well 30' deep		386	386*	76	P	33.5	36.2
Sea Isle City (Municipality)	2 driven wells, 860'-870' deep		850	850*	260	P	36.4	81.0
Seaside Heights (Municipality)	1 driven well, 460' deep	Chlorination	399	399*	73	P	7.9	25.5
Seaside Park (Municipality)	3 driven wells, 139'-463' deep	Aeration and rapid sand filtration (gravity) for CO ₂ and iron removal	571	571*	50	P	10.3	43.3
Sewell Water Co. (Sewell)	1 driven well, 80' deep		2,677	650	13	P	79.0	62.0*
Ship Bottom-Beach Arlington (Municipality)	2 driven wells, 300'-590' deep		277	277*	29	P	23.0	19.7

Short Hills Water Co. (Short Hills) (Springfield Twp.) (Millburn Twp., part) (Supplies water to Elizabeth- town Water Co., Cons.)	2 driven wells, 80' deep	Chlorination	8,602 3,725 8,602	1,200 3,000 2,000	1,415 •	P	186.1	99.0
Smith Machine Co., H. B. (Smithville, Section of Easthampton Twp.)	2 driven wells, 108' deep	Aeration and filtration for iron re- moval	508	400	....	P	50.0	52.6
Somerville Water Co. (Bridgewater Twp., part) (Raritan) (Somerville)	Raritan River	Rapid sand filtration (pressure) and chlorination	3,352 4,751 8,255	150 4,751 8,255	2,231	P	56.6	41.0
South Amboy (Municipality)	1 driven well, 55' deep; springs; (3 driven wells, 234'-248' deep in re- serve)		8,476	8,476	560	P	36.1	8.7
(Sayreville, Morgan Hts. Section) (Buys from Perth Amboy in emergency)		Chlorination	8,658	3,000				
South Jersey Water Supply Co. (Mullica Hill)	2 driven wells, 260' deep		1,827	1,000	....	P	46.8	270.7
South Orange (Municipality)	10 driven wells, 274'-349' deep		13,630	13,630	1,101 (1929)	P	105.9	85.2
South River (Municipality)	2 driven wells, 150'-193' deep; 253' of collecting drains; 1 collecting well, 35' deep		10,759	10,759	359	P	47.1	19.0
(East Brunswick Twp., part) Spring Lake (Municipality)	13 driven wells, 700' deep		2,711	700				
Stanhope (Municipality)	2 driven wells, 54'-90' deep		1,745 1,089	1,745* 1,089	414 82	P	32.2 36.4	35.0 31.0
Stockton (Municipality)	2 driven wells, 160' deep		556	556	30 (1929)	P	28.5	21.6
Stone Harbor (Municipality)	2 driven wells, 800'-850' deep		363	363*	89	P	26.0	99.0
Stonewald Park Association (Mt. Olive Twp. Budd Lake Section)	1 shallow well, 22' deep		1,235	100*	....	P	55.8	32.0
Surf City Water Co. (Surf City) Sussex (Municipality)	1 driven well, 564' deep		76	76*	....	P	34.3	18.0
Swackhamer, B. B. (Long Valley sec- tion of Washington Twp.)	Lake Rutherford	Chlorination	1,415 1,615	1,415* 250	417	G	27.3 19.0	7.0 13.0
Swedesboro (Municipality) (Woolwich Twp., part)	5 driven wells, 138'-240' deep	Chlorination	2,123 1,196	2,123 300	105	P	50.3	82.6
Toms River Water Co. (Dover Twp., Toms River Section)	8 driven wells, 47'-62' deep		3,970	2,400*	314	P	10.5	2.6

* Seasonal increase from 2 to 20 times in population.

TABLE No. 3.—DESCRIPTIVE DATA OF PUBLIC WATER SUPPLIES IN NEW JERSEY (Continued)

OWNER AND MUNICIPALITIES SUPPLIED	SOURCE OF SUPPLY	TREATMENT	POPULATION 1930 PERMANENT	POPULATION SUPPLIED ESTIMATED	1930 CONSUMPTION IN THOUSAND GALS. PER DAY	GRAVITY OR PUMPED	HARDNESS	ALKALINITY
Trenton (Municipality)	Delaware River	Rapid sand filtration (gravity) and chlorination	123,356	123,356	17,505	P	41.2	28.7
(Ewing Twp., part)			6,942	3,500				
(Hamilton Twp., part)			27,121	8,000				
(Lawrence Twp., part)			6,293	1,000				
Tuckerton Railroad Co. (Whiting's Section of Manchester Township)	1 driven well, 148' deep		1,000	25	....	P	....	....
Tuckerton Water Co. (Tuckerton)	1 driven well, 190' deep		1,429	1,429*	80	P	29.9	25.0
Union Beach (Municipality)	2 driven wells, 300' deep	Aeration and sand filtration (pres- sure) for iron removal	1,893	1,893*	64	P	39.0	17.8
(Raritan Twp., part)			1,568	500				
Vanderbeck, Charles R. (Fairlawn)	1 driven well, 150' deep		5,990	900	....	P	84.7	50.5
Ventnor (Municipality)	6 driven wells, 800'-825' deep		6,674	6,674*	1,306	P	30.0	53.6
Vincentown Water Co. (Vincentown Section of Northampton Twp.)	1 driven well (emergency supply, Branch of Rancocas Creek)	Chlorination of emergency supply	6,573	700	19	P	49.3	58.0
Vineland (Municipality)	12 driven wells, 120' deep		7,556	7,556	957	P	16.9	3.0
(Landis Twp., part)			14,047	6,000				
Wade, G. (Rochelle Park Twp.)	1 driven well, 200' deep		1,768	200	....	P	....	....
Waldwick (Municipality)	3 driven wells, 275'-300' deep		1,728	1,728	(1929) 22	P	100.6	81.5
Wallington (Municipality)	5 driven wells, 275'-500' deep		9,063	9,063	346	P	143.1	77.5
Warren Foundry and Pipe Corpora- tion (Oxford Twp.)	10 springs		1,723	800	....	P	192.0	82.5
Warren Manufacturing Company	7 shallow wells, 50' deep	Rapid sand filtration (gravity) and chlorination						
(Milford)	Delaware River		933	933	....	P	85.2	66.0
(Warren Glen Section of Pohatcong Twp.)	1 dug well, 22' deep	Chlorination	1,974	500	....	P	....	....
(Hughesville Section of Holland Twp.)	Brook	Chlorination	994	500	....	G	....	....

Washington Water Co. (Washington)	Roaring Rock Brook	Chlorination	4,410	4,410	419	G	29.9	14.6
(Washington Twp., part)			1,007	400				
Wenonah (Municipality)	8 driven wells, 210'-250' deep		1,245	1,245	92	P	30.8	128.6
West Jersey Water Service, Inc.	1 driven well, 100' deep	Chlorination	1,235	50*	.03	P	39.0	32.0
(Budd Lake Section of Mt. Olive Twp.)								
Westville (Municipality)	5 driven wells, 112'-117' deep		3,462	3,462	151	P	63.5	79.0
(Deptford Twp., part)			4,507	2,000				
(West Deptford Twp., part)			3,956	600				
Wharton (Municipality)	Rockaway River above Stevens Brook	Rapid sand filtration (pressure) and chlorination	3,683	3,683	92	P	32.5	41.6
Wheeler, E. B. (Nolans Point Sec- of Lake Hopatcong-Jefferson Twp.)	Spring		1,254	100	....	G	44.4	40.0
Whippany Water Co. (Hanover Twp.)	Purchases water from Normandy Water Co.		2,516	1,000	....	P	....	....
Wildwood (Municipality)	32 driven wells, 50'-1000' deep (emergency plants at Wildwood and North Wildwood)	Chlorination, part	5,330	5,330*	1,401	P	....	....
(North Wildwood)			2,049	2,049*				
(West Wildwood)			178	178*				
(Wildwood Crest)			738	738*				
Winters, Albert (Hohokus Twp., Mahwah Section)	Spring		3,536	500*	....	G	94.3	71.0
Winters, John (Hohokus Twp., Mahwah Section)	1 driven well, 84' deep		3,536	400	....	P	75.7	45.5
Woodbine Light, Power and Water Co. (Woodbine)	5 driven wells, 150'-160' deep		2,164	2,164	....	P	26.6	3.5
Woodbury (Municipality)	10 driven wells, 287'-293' deep	Chlorination	8,172	8,172	668	P	28.4	144.0
(Woodbury Heights)			997	997				
Woodstown (Municipality)	7 driven wells, 165'-711' deep		1,832	1,832	103	P	81.6	187.5

* Seasonal increase from 2 to 20 times in population.

The following table No. 4 contains a list of the new water supplies approved during the fiscal year ending June 30, 1931:

TABLE No. 4
NEW WATER SUPPLIES APPROVED DURING THE FISCAL YEAR ENDING JUNE 30, 1931

LOCATIONS	OWNERS	SOURCE OF SUPPLY	TREATMENT
Allendale	Municipality	2 driven wells, 450'-500' deep	Chlorination
Barnegat	Municipality	Driven well	
Bridgeton	Fairbanks-Morse Water Supply Co.	1 driven well, 74' deep	
Budd Lake	West Jersey Water Service Co.	1 driven well, 100' deep	Chlorination
Flanders	H. R. H. Nicholas	Spring	
Florham Park	Municipality	1 driven well, 123' deep	Chlorination
Kingston	William Flemer, Jr.	1 dug well, 23' deep	
Lake Rogerene	Morris & Sussex Water Service Co.	2 driven wells, 91½'-100' deep	
Manville	Municipality	2 driven wells, 110' deep.	Chlorination
Mine Hill Township	Bassett Park Association	1 driven well, 102' deep	
Newfield	Charles Obert	1 driven well, 28' deep	Chlorination
Pine Hill	Mrs. Rose Hemann	1 driven well, 75' deep	
Wanaque	North Jersey District Water Supply Commission	Wanaque River (Reservoir)	
Hamilton Township (White Horse Section)	Andrew Gropp	1 driven well, 53' deep	

The following table No. 5 shows the additions and alterations to water supplies during the year ending June 30, 1931:

TABLE No. 5

ADDITIONS AND ALTERATIONS TO WATER SUPPLIES FOR THE FISCAL YEAR ENDING JUNE 30, 1931

LOCATION	OWNER	ALTERATIONS AND ADDITIONS	NEW WELLS
Atlantic City	Municipality		Construction of 6 driven wells, 97'-400' deep and use of water therefrom
Allendale	Municipality		Use of water from driven well No. 2, plans for the construction of which were approved January 1, 1931
Allenhurst	Municipality		Construction of 1 driven well, 551' deep and use of water therefrom
Avalon	Municipality		Use of water from driven well, plans for the construction of which were approved March 4, 1930
Awosting	Ringwood Company		Location of 1 driven well
Beach Haven	Municipality	Covered reservoir	Construction of 1 driven well, 615' deep and use of water therefrom
Bay Head	Ocean County Water Company		Construction of 1 driven well, 1000' deep
Blackwood	Blackwood Water Company	Chlorinator	Construction of 1 driven well, 89' deep and use of water therefrom
Bridgeport	Bridgeport Water Company		Construction of 1 driven well, 46' deep and use of water therefrom
Byram Township (Hopatecong Park) ..	Morris & Sussex Water Service Co.		Construction of 1 driven well, 100' deep and use of water therefrom
Califon	Califon Water Co.	Chlorinator	
Camden	Municipality		Construction of 3 driven wells, 129'-144' deep and use of water therefrom
Elmer	Elmer Water Company		Construction of 1 driven well, 73' deep and use of water therefrom
Fairlawn	Municipality	Chlorinator	Use of water from well formerly owned as a public supply by Patrick Lynch
Frenchtown		Chlorinator	
Grenloch	Grenloch Real Estate Company	Chlorinator	
Haddon Heights	New Jersey Water Company		Construction of 1 driven well, 271' deep and use of water therefrom

TABLE No. 5

ADDITIONS AND ALTERATIONS TO WATER SUPPLIES FOR THE FISCAL YEAR ENDING JUNE 30, 1931 (Continued)

LOCATION	OWNER	ALTERATIONS AND ADDITIONS	NEW WELLS
Lavallette	Municipality	Chlorinator Chlorinators	Construction of 1 driven well, 1136' deep and use of water therefrom
Lodi	Municipality		Reconstruction of driven well 300' deep and use of water therefrom
Long Valley	Long Valley Water Company		Construction of 1 driven well, 380' deep and use of water therefrom
Newark	Municipality		Construction of 1 driven well, 95' deep and use of water therefrom
Orange	Municipality	Collecting basin and chlorinator	Construction of 1 driven well, 145' deep
Paulsboro	Municipality		Construction of 3 driven wells, 301'-503' deep and use of water therefrom
Pleasantville	Atlantic County Water Company		Construction of 1 driven well, 700' deep and use of water therefrom
Princeton	Princeton Water Co.		Location for 2 driven wells
Red Bank	Municipality	Chlorinator	Construction of 2 driven wells, 375'-505' deep and use of water from well 375' deep
Ringwood (Lake Erskine Section)....	Ringwood Co.		Construction of 1 driven well, 870' deep and use of water therefrom
Sea Isle City	Municipality		Construction of 2 driven wells, 80' deep and use of water therefrom
Short Hills	Short Hills Water Company		Construction of 1 driven well, 349' deep and use of water therefrom
South Orange	Municipality	Chlorinators	Construction of 1 driven well, 305' deep and use of water therefrom
South Plainfield	Middlesex Water Company		Construction of 1 driven well, 61' deep and use of water therefrom
South River	South River Water Company		Construction of 1 driven well, 810' deep and use of water therefrom
Ventnor	Municipality		Construction of 1 driven well, 112' deep and use of water therefrom
Wanaque	North Jersey District Water Supply Commission	Chlorinators	
Westville	Municipality		

The following table No. 6 contains a list of the plans and specifications approved for improving the method of sewage treatment at existing sewage treatment plants during the fiscal year ending June 30, 1931:

TABLE No. 6—PLANS AND SPECIFICATIONS APPROVED FOR IMPROVING THE METHOD OF SEWAGE TREATMENT IN THE FOLLOWING MUNICIPALITIES DURING THE FISCAL YEAR ENDING JUNE 30, 1931

LOCATION	OWNER	PAST METHOD OF TREATMENT	APPROVED METHOD OF TREATMENT	DESIGN CAPACITY OF PLANT GALLONS PER DAY
Burlington	Municipality	Sedimentation and land filtration	Sedimentation, sprinkling filters and chlorination	2,200,000
Glassboro	Municipality	Sedimentation, sprinkling filters, secondary sedimentation and chlorination	Sedimentation, sprinkling filters, secondary sedimentation and chlorination *	400,000
Little Falls Township	Municipality	Sedimentation and intermittent sand filtration	Sedimentation, sprinkling filters, sand filtration and chlorination *	580,000
Long Branch	Municipality	Sedimentation	Sedimentation (additional tank)	360,000
Long Branch	Long Branch Sewer Co.	Screening	Sedimentation, separate sludge digestion and chlorination	2,237,000
Manasquan	Municipality	Sedimentation	Sedimentation (ventilating system)	525,000
Morristown	Municipality	Sedimentation, contact beds intermittent sand filtration and chlorination	Activated sludge and chlorination	3,000,000
Neptune City	Municipality	Sedimentation	Sedimentation and chlorination	310,000
Newton	Municipality	Sedimentation and intermittent sand filtration	Sedimentation, sprinkling filters, sand filtration and chlorination	500,000
Ocean City	Ocean City Sewer Service Co.	Screening, sedimentation and chlorination	Screening, sedimentation and chlorination * (mechanical sludge removal)	2,500,000
Spring Lake	Municipality	Sedimentation	Sedimentation, separate sludge digestion and chlorination	1,040,000
Verona	Municipality	Sedimentation and intermittent sand filtration	Sedimentation, activated sludge, sprinkling filters and chlorination *	1,200,000
Westwood	Municipality	Sedimentation and intermittent sand filtration	Sedimentation, intermittent sand filtration and chlorination *	1,329,000
Woodbury	Municipality	Sedimentation	Sedimentation and chlorination	2,500,000

* Glass covered sludge beds.

The following table No. 7 contains a list of the water supplies abandoned during the fiscal year ending June 30, 1931:

TABLE No. 7—WATER SUPPLIES ABANDONED DURING THE FISCAL YEAR ENDING JUNE 30, 1931

LOCATION	OWNER	SOURCE OF SUPPLY	TREATMENT
Rochelle Park	William Colling	1 driven well, 112 feet deep	.....

CONSTRUCTION OF NEW SEWAGE TREATMENT PLANTS AND IMPROVEMENTS TO EXISTING SEWAGE TREATMENT PLANTS

The following table No. 8 shows the plans and specifications approved for the construction of sewer systems and/or sewage treatment plants in the State during the fiscal year ending June 30, 1931:

TABLE No. 8—PLANS AND SPECIFICATIONS FOR SEWER SYSTEMS AND/OR SEWAGE TREATMENT PLANTS APPROVED DURING THE FISCAL YEAR ENDING JUNE 30, 1931

LOCATION	OWNER	SEWER SYSTEMS AND SEWAGE TREATMENT PLANTS	TYPE OF PLANT	EFFLUENT DISCHARGED INTO	DESIGN CAPACITY OF PLANT GALLONS PER DAY
Alexandria Township (Hunterdon County)	Camp McMahon	Sewage Treatment Plant	Sedimentation, sand filtration and chlorination	Tributary to Nibbisakawick Creek	18,000
Clark Township	Municipality	Partial Sewer System		Proposed Rahway Valley Sew- age Treatment Plant, Rah- way River	
Far Hills	Municipality	Partial Sewer System		Proposed Sewage Treatment Plant into Raritan River	
Kenilworth	Municipality	Partial Sewer System		Proposed Rahway Valley Sew- age Treatment Plant, Rah- way River	
Lakewood Township (Ocean County)	Newman School	Sewage Treatment Plant	Sedimentation, sand filtration and chlorination	Metedeconk River	10,000
Long Branch	Municipality	Sewage Treatment Plant	Sedimentation and chlorina- tion	Atlantic Ocean	2,000,000
North Caldwell	Municipality	Partial Sewer System		Caldwell Sewage Treatment Plant, Tributary to Passaic River	
Princeton	Municipality	Sewage Treatment Plant	Sedimentation, sprinkling fil- ters and chlorination	Millstone River	2,000,000
Raritan Township, Stelton District	Municipality	Sewer System and Sewage Treatment Plant	Sedimentation and chlorina- tion	Proposed Sewage Treatment Plant, Raritan River	400,000
Roselle Park	Municipality	Partial Sewer System		Proposed Rahway Valley Sew- age Treatment Plant, Rah- way River	
Westfield	Rahway Valley Joint Meeting	Sewage Treatment Plant	Sedimentation and Chlorina- tion	Rahway River	12,000,000
West Orange	Municipality	Partial Sewer System		Proposed Joint Outlet Sewage Treatment Plant, Arthur Kill	

The following table No. 9 contains a list of the new sewage treatment plants constructed and placed in operation during the fiscal year ending June 30, 1931:

TABLE No. 9

NEW SEWAGE TREATMENT PLANTS CONSTRUCTED AND PLACED IN OPERATION DURING THE FISCAL YEAR ENDING JUNE 30, 1931

LOCATION	OWNER	METHOD OF TREATMENT	DESIGN CAPACITY OF PLANT GALLONS PER DAY	EFFLUENT DISCHARGED INTO
Gloucester Township (Blackwood Section)	Municipality	Sedimentation, sprinkling filters and chlorination	200,000	South Branch of Big Timber Creek
Hillsdale	State of New Jersey (Dept. of Institutions and Agencies)	Sedimentation, aeration (activated sludge) and chlorination. (Constructed without approval of the New Jersey Dept. of Health)	200,000	Tributary of Swimming River
Lower Penns Neck Township..	American Gas and Electric Company and United Gas Improvement Company	Sedimentation	20,000	Delaware River
Raritan Township (Clara Barton Section)	Municipality	Sedimentation	750,000	Tributary of Raritan River
Red Bank	Municipality	Sedimentation, separate sludge digestion and chlorination	1,250,000	Shrewsbury River
Somerset Hills	United States Veterans' Hospital	Sedimentation, separate sludge digestion, sprinkling filter, and chlorination	50,000	Tributary of Passaic River
West Paterson	Municipality	Sedimentation, sprinkling filter and chlorination	400,000	Passaic River
Woodbridge Township (Kearby Heights Section)	Municipality	Sedimentation	73,000	Tributary of Raritan River

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INVESTIGATION OF BERRY'S CREEK

As a result of numerous complaints filed with the Department upon the gross pollution of Berry's Creek, a tributary of the Hackensack River, the bureau was instructed to make a detailed investigation of this stream and report, with recommendations for improvements, to the Board. The investigation, made during the summer of 1930, required the expenditure of fifty-seven and one-half ($57\frac{1}{2}$) man-working days. The report, of ninety (90) pages and seventeen (17) plates, was submitted to the Board in November, 1930, and the data collected was presented in ten (10) sections dealing with: Physiography of the District; Determination of Tidal Volumes; Chemical Analyses; Bacteriological Studies; Oxygen Studies; Sources of Pollution; The Stream Survey; Suggested Remedies; Summary and Conclusions; and Recommendations.

The "Summary and Conclusions" of the report are as follows:

"This investigation has shown conclusively that Berry's Creek is very seriously polluted by the discharge of sewage and industrial wastes from the municipalities located in the drainage area and that numerous complaints concerning the condition of the stream are justified. On a number of occasions, on ebb tide during the past summer, the oxygen has been entirely exhausted and the water was black and foul on all that portion of the stream north of the Paterson Plank Road bridge. The bacterial contamination is so great as to render the water unfit for bathing. The stream would be valuable for recreational purposes if it were not for these conditions. There are a number of boats and small yachts moored in the stream but the above described conditions seriously interfere with their use; also the paint is turned black by the foul gases in the water.

All the sewage plant effluents are discharged into small branches behind tide-gates or into the upper end of small guts where the tidal action tends rather to keep the sewage back than to increase its rate of mixture with the creek water. This results in putrefaction and the complete exhaustion of oxygen from the stream. The Borough of Moonachie is particularly unfortunate in its location as it now receives the effect of both the Woodridge and Hasbrouck Heights sewage effluents.

The investigators have reached the following conclusions:

1. Immediate action is required to improve the condition of Berry's Creek.
2. The capacities of the settling tanks of East Rutherford, Carlstadt, Woodridge and Hasbrouck Heights are inadequate.
3. If these municipalities are to continue the discharge of an effluent into Berry's Creek at their present locations, oxidizing units will be required.

4. The Rutherford tanks are adequate to handle present requirements but the suggestions under "Summary and Conclusions" in the discussion of that plant in Section VI, Sources of Pollution should be carried out.

5. There is sufficient oxygen available in the Berry's Creek canal to stabilize the settled sewage of the municipalities concerned and conditions are favorable for dispersion there.

6. The sewage treatment plant effluents should be chlorinated, at least during the summer season.

7. It is not possible to maintain a high per cent saturation of oxygen in the creek unless the oxygen content of the tidal water entering the creek from the Hackensack River is increased.

8. Marked economy would result from the construction of a joint sewage treatment works and intercepting sewer by the four municipalities whose plants are inadequate."

The recommendations made were:

"1. Rutherford be notified to comply with the suggestions given under 'Summary and Conclusions' in the discussion of that plant in Section VI, Sources of Pollution.*

2. The other four municipalities be advised to give serious consideration to a joint sewage treatment plant project, consisting of sedimentation and chlorination with sufficient area reserved for additional treatment in the future, or to proceed immediately with the preparation of plans for enlarged plants consisting of sedimentation, oxidation and chlorination.

3. All the municipalities discharging treated sewage to Berry's Creek chlorinate the effluent from May 15 to October 15 each year to such a degree that the organism B. Coli shall be absent in all 0.01 cubic centimeter portions examined.

4. The Advance Piece Dye Works of Rutherford be ordered to refrain from discharging their dye wastes and wash water into the small tributary flowing through East Rutherford."

Copies of the reports were forwarded to the interested municipalities and commissions, and, on June 2, 1931, a public hearing was held by the Department as to why notices should not be served under the provisions of Chapter 72, P. L. 1900, as amended by Chapter 186, P. L. 1930, upon the municipalities responsible for

* "The area of the sludge bed should be doubled. The old and new sludge beds should be divided so as to provide four (4) units of equal area. The retaining walls of the present sludge beds should be straightened. The effluent should be carried in an outfall line discharging through multiple outlets below low water mark to the channel of Berry's Creek just north of the Lyndhurst line. That a recording gauge of the float operated type be installed. That modern sludge pumping equipment be installed."

conditions found in the sanitary survey of 1930. At this hearing the Hackensack Valley Sewerage Commission (created by Chapter 144, P. L. 1930 and provided with an appropriation of thirty-five thousand dollars (\$35,000) to investigate the pollution of the Hackensack River and its tributaries) informed the Department that they were planning to make an investigation of the entire Hackensack Valley during the summer and fall of 1931; that the report of their investigation, with recommendations, would be presented to the Legislature; and, that proceedings by the State Department of Health against the polluters of Berry's Creek may adversely affect any comprehensive scheme for the improvement of the entire river, recommended by their commission. They, therefore, requested that action on the part of this Department be held in abeyance. Consideration of this request is scheduled for the first meeting of the Department in the fiscal year of 1931.

CHLORINATION OF THE EFFLUENTS AT SEWAGE TREATMENT
PLANTS SERVING THE NORTH JERSEY SEASHORE
MUNICIPALITIES, SUMMER, 1930

The New Jersey State Department of Health passed a resolution, January 15, 1929, concerning the North Jersey seashore municipalities discharging their domestic sewage into the Atlantic Ocean. The minimum degree of sewage treatment required was sedimentation and chlorination, the settled and disinfected sewage to be discharged into the waters of the Atlantic Ocean through outfall pipes, one thousand feet or more in length from mean low water mark, chlorination to continue from May 15th to October 15th, inclusive, in each year. It has been demonstrated, through investigations made from time to time by representatives of the State Department of Health, that the existing methods of sewage disposal, by sedimentation alone, are not sufficient to adequately protect the health and comfort of those people using the waters of the Atlantic Ocean for recreational purposes.

During the last two weeks of August, 1930, an investigation of the North Jersey coast sewage treatment plants was made for the purpose of checking the efficiency of chlorination, obtaining the chlorine demand of the sewage and to study the effect chlori-

nation had on the bacteriological quality of the surf waters in comparison with the quality before chlorination, 1928.

At each plant the following information was obtained: (a) type and capacity of chlorinator; (b) sewage flow at time of visit; (c) pounds of chlorine being applied; (d) residual chlorine test.

Of the twenty (20) plants visited, six (6) were not using any chlorine and only five (5) plant effluents showed a residual chlorine test.

In order to better advise each municipality of the approximate amount of chlorine necessary for them to add to their sedimentation tank effluents to obtain efficient disinfection and to maintain a residual, a chlorine demand determination was made on settled sewage samples, collected just ahead of the point of application of the chlorine. The method of making the chlorine demand determinations as used in the field was as follows: 100 cubic centimeters of the tank effluent was measured into each of ten bottles of about 150 cubic centimeters capacity. To each bottle was added varying amounts of a standardized chlorine solution, one cubic centimeter of the standard solution added to 100 cubic centimeters sewage was equivalent to 10 parts per million chlorine. The solution was added in steps of $2\frac{1}{2}$ parts per million; usually starting at 7.5 parts per million. All the test bottles were allowed to stand 20 minutes, then a test for residual chlorine was made by the starch-iodide method. The amount of chlorine indicated in the first bottle showing a positive test was considered as the chlorine demand of that tank effluent. The chlorine demand of the various tank effluents varied between wide ranges, from 9 to 50 parts per million, the higher demands being on effluents that were very septic.

The following table, No. 10, shows the chlorine demands of the tank effluents tested, together with pertinent data:

TABLE No. 10—CHLORINE DEMAND AND OTHER DATA, NORTH JERSEY COAST SEWAGE TREATMENT PLANTS, AUGUST, 1930

MUNICIPALITY	Flow at Time of Visit	Capacity of Chlorinator	Lbs. of Chlorine Added	P. P. M. of Chlorine Added	Residual Test	P. P. M. Chlorine Demand (20 Minutes)	Lbs. of Chlorine Required to Meet Demand	REMARKS
Allenhurst	420,000	100 lbs.	74	21	+	10	35	Very heavy flow 3 times a day. Chlorine increased 6 A. M. to take care of the 3 peaks. Decreased at 8 P. M.
Asbury Park	2,440,000	No chlorine used	.....	.....	.....	30	600	Flow measured by pumpage, no other means provided.
Ocean Grove	850,000	300 lbs.	255	37.5	—	50	373	Bad chlorine mixing.
Bradley Beach, Ocean Park Ave. Tank	865,000	120 lbs.	84	11.5	+	15	107	Very short chlorine detention period.
Bradley Beach, Evergreen Ave. Tank	213,000	120 lbs.	83	46	+	10	18	Very heavy residual.
Avon	342,000	50 lbs.	50	17.5	—	40	113	
Belmar	1,350,000	75 lbs.	60	5.3	—	17.5	196	
Manasquan	350,000	100 lbs.	30	10.8	.....	.....	.....	Prechlorination for odor control.
Point Pleasant	650,000	100 lbs.	60	11	—	10	54	Long chlorine detention period.
Seaside Heights	250,000	40 lbs.	17	8.2	—	12	25	
Seaside Park	720,000	125 lbs.	Not using chlorine	.....	.....	17	102	Flow obtained from capacity and time of pump.
Neptune City	188,000	40 lbs.	25	15.9	—	40	62	
Neptune Township	588,000	250 lbs.	100	20.4	—	30	147	
Keansburg	301,000	300 lbs.	95	37.6	+	25	62.7	Screened sewage chlorinated.
Atlantic Highlands	400,000	60 lbs.	30	8.5	+	9	29	
Sea Girt .....	.....	No chlorine used	.....	.....	.....	25	.....	
Spring Lake (2 plants) .....	.....	200 lbs. each	R. Ave. 50 Pa. Ave. 45	.....	.....	B. Ave. 10 Pa. Ave. 12	.....	No means of obtaining flow. Chlorine hose in outfall lines, not possible to sample.
Deal	900,000	250 lbs.	.....	.....	.....	.....	.....	New plant not in operation.

A bacteriological examination was made on ten plant effluents, three showing a test for residual chlorine, to determine the per cent reduction of the 37° Count and the B. Coli content, noting the amount of chlorine added and the amount required as indicated by the chlorine demands. The following Table No. 11 contains the results of the bacteriological tests:

Table No. 11—EFFECT OF CHLORINATION ON NORTH JERSEY COAST SHORE SEWAGE PLANT EFFLUENTS, AUGUST, 1930

MUNICIPALITY	UNCHLORINATED EFFLUENT		CHLORINATED EFFLUENT				Residual Chlorine Test	* Lbs. of Chlorine Required to Meet Demand at Time of Inspection	Lbs. of Chlorine Added at Time of Inspection	REMARKS
	37° Col.	B. Coli per c.c.	37° Col. per c.c.	% Reduction	B. Coli per c.c.	% Reduction				
Allenhurst	45,000	10,000	500	99	Absent	100	+	35	74	Very short chlorine detention period.
Ocean Grove	120,000	100,000	85,000	29	10,000	90	—	373	255	
Bradley Beach, Ocean Park Ave. Plant.	500,000	50,000	38,000	92	10,000	80	+	107	84	
Bradley Beach, Evergreen Ave. Plant	190,000	100,000	100	99+	Absent	100	+	18	83	
Avon	180,000	10,000	77,000	57	5,000	50	—	113	50	Very long chlorine detention period.
Belmar	450,000	50,000	450,000	0	10,000	80	—	196	60	
Point Pleasant	3,500,000	100,000	350,000	90	10,000	90	—	54	60	
Seaside Heights	500,000	100,000	300,000	40	10,000	90	—	25	17	
Neptune City	480,000	100,000	75,000	84	10,000	90	—	62	25	
Neptune Township	160,000	100,000	14,000	91	5,000	95	—	147	100	

* The chlorine demand determinations are 20-minute detention periods.

Surf samples, about sixty in number, collected from all the bathing beaches from Long Branch to Bay Head inclusive, on both tides and similar weather conditions during the summer of 1928 before the shore municipalities were using chlorine, are compared in Table No. 12, with similar samples collected during the investigation (August, 1930) when 75% of the plants were chlorinating their sewage plant effluents. Table No. 12 follows:

TABLE No. 12

AVERAGE B. COLI CONTENT OF SURF BATHING WATERS BEFORE AND AFTER 75% OF THE NORTH JERSEY SHORE MUNICIPALITIES INSTALLED CHLORINATION OF THEIR SEWAGE PLANT EFFLUENTS (AVERAGE OF APPROXIMATELY 60 BATHING BEACHES)

	1928 (Before Chlorination)	1930 (after 75% of Plants Chlorinated)
Ebb Tide	56.7 per cc.	1.64 per cc.
Flood Tide	49.0 per cc.	3.40 per cc.

The averages for the most populated beaches, in the five municipalities of Allenhurst, Loch Arbour, Asbury Park, Ocean Grove and Bradley Beach are:

	1928	1930
Ebb Tide	60.4 per cc.	2.52 per cc.
Flood Tide	66.8 per cc.	4.60 per cc.

A study of the above table shows that with chlorination at 75% of the plants, there is a marked improvement in the bacteriological quality of the surf bathing waters. It is believed when the remaining 25% of the plants have installed chlorine treatment and the existing plants, where chlorination is practiced, apply sufficient chlorine to produce a safe effluent, the bacteriological quality of the bathing waters will show an additional improvement.

The "Conclusions" formed, as of August, 1930, are as follows:

1. The State Department of Health required the North Jersey shore municipalities to chlorinate their sewage plant effluents by May 15, 1929. In August, 1930, five municipalities were not using chlorine; namely, Long Branch, Ocean Township, Asbury Park, Spring Lake and Sea Girt.

2. Of the fourteen plants using chlorine only five were adding sufficient to give positive tests in the final effluent. Partial chlorination, however, reduced the total count and B. coli materially.

3. The chlorine demand of the various tank effluents varied widely, due more to septic conditions than to strength of the sewage.

4. Chlorination has had a very marked effect in reducing the B. Coli content of the surf bathing waters, the per cent reduction being about 95%.

5. A few of the municipalities, not yet using chlorine, are benefiting by their neighbors, who are chlorinating, but are not contributing to the general good themselves.

6. Under certain tidal conditions the sewage discharged in the ocean comes **ashore**.

Report of Bureau of Food and Drugs

For the Year Ending June 30, 1931

W. W. SCOFIELD, CHIEF

During the year 3,577 inspections have been made of premises where milk is produced for sale. The dairy farms in a given area, regardless of the place of distribution of the milk, have been inspected. Marked interest has been shown by dairymen in complying with essential requirements which result in a clean milk acceptable to the consumer or to the milk distributor. Emphasis has been placed upon the necessity for healthy cows and milkers, for cleanliness in the maintenance of cows, stables, milk houses and utensils. Instruction has been given in the importance of prompt cooling of milk and of protecting it from contamination with dirt and foreign matter.

Representatives of the Bureau attended numerous conferences and hearings called by agricultural interests or health officials on the adoption of regulations governing four grades of milk by the Department of Health of the State of New Jersey and on proposed legislation which would require that persons shipping milk into New Jersey must procure a permit from this Department and which would impose the same requirements on milk production outside of the State as those in effect in New Jersey and also which would establish standards in detail for two grades of milk to be known as "New Jersey A Raw Milk" and "New Jersey AA Pasteurized Milk". Certain of the proposed requirements in the suggested legislation had little or no bearing upon the safety of the milk, but were designed primarily to regulate the marketing of milk. Up to the present time public opinion has been divided upon the merits of these proposals and, consequently, the Department of Health and the Legislature have not passed the proposed regulations and laws. Throughout these conferences

representatives of this Department maintained that the protection of the consumer against the use of milk which is unfit for human consumption, because of bacterial contamination from diseased human beings or diseased animals, or which is adulterated or misbranded within the meaning of the laws of this State, is a function of the health officials of the State.

The Bureau has recognized the value of the Pasteurization of milk in killing or checking the growth in milk of bacterial life which may be detrimental to consumers if the milk had not been treated. Up to the present time Pasteurization is the only practical means of securing protection of milk from possible contamination with organisms causing scarlet fever, diphtheria, sore throat and certain other diseases. It is apparent that greater numbers of people are demanding safety in the milk which they consume by the increasing demand for Pasteurized milk.

During the year 717 inspections have been made of milk Pasteurizing plants in New Jersey. The importance of the inspection of milk Pasteurizing plants and the process of Pasteurization by competent specialists is apparent when it is realized that there are many types of Pasteurizing equipment and also that all equipment which comes in contact with milk must be thoroughly cleansed daily. The daily checking of the temperature to which milk is heated in the process of Pasteurization by an accurate thermometer and the checking of the accuracy of the temperature made by a mechanical recording thermometer are essential if the desired bacterial reduction is to be obtained without impairment of the flavor of the milk and without affecting the cream line of the milk. After Pasteurization it is essential to cool the milk promptly to a temperature of 50° F. or below and then to bottle it immediately at the place of Pasteurization by means of a mechanical filling machine and to place the caps on the filled bottles of milk by machine in order to avoid the possibility of contamination from hands of persons.

It is desirable to visit the Pasteurizing plants at least once a month if satisfactory control is to be maintained. Provision has been made by the last Legislature for the employment of one additional man who will devote his entire time to this work.

With this assistance it will be possible to inspect Pasteurizing plants more frequently.

Physical Examination of Dairy Cows.—During the year reports were received from veterinarians showing that 49,073 cows had been examined physically on dairy premises and 51 of these cows were suspected of being affected with tuberculosis. Information in each case was forwarded to the Department of Agriculture of New Jersey.

Collection of Milk and Cream and Milk Products.—During the year 4,897 samples of milk and cream, buttermilk, condensed milk, etc., have been collected by agents of the Bureau for chemical analysis. The addition of preservatives to milk has been abandoned and the adulteration of milk with water is seldom practiced at this time. A small percentage of the samples collected failed to meet the legal standard for total solids or milk fat.

Ice Cream Factory Inspection.—During the year the number of applications from firms located in other States for permits from this Department which are necessary in order to ship ice cream into New Jersey has been larger than in previous years. In each instance a request is made of the board of health of the municipality of the State where the ice cream is prepared for the report of an inspection of the plant by their agents before action is taken upon the application. This co-operative arrangement has prevented duplication of inspection and has promoted confidence and good will between officials of the different States.

In the case of ice cream manufacturing establishments within our own State agents of the Department have inspected the plants at least once during the year. Local boards of health of several municipalities have co-operated by inspecting those plants within their jurisdiction independently. Agents of the Bureau have collected 115 samples of ice cream, 112 of which have been found to conform to the legal standard. The fat content of the samples collected averaged 12.38% milk fat. No fats other than milk fats were detected in these samples.

It is recommended that the Legislature be requested to increase the minimum fat standard for ice cream to 10% milk fat.

Cream and Custard Filled Bakery Products.—During the year three outbreaks of food poisoning attributed by local health officials to eclairs and cream puffs were reported to this office. A study was begun to disclose if general bakery practices might be expected to cause food poisoning through these products. The study was extended to forty-two bakeries located in sixteen cities and towns, in seven counties. In the beginning eighteen samples of cream puffs and eclairs were collected and submitted to the laboratory. The laboratory reports showed a wide variety and large numbers of micro-organisms in practically all samples. The filling used in these articles was found to be a favorable medium for the growth of bacteria. The practices disclosed in nearly all bakeries included some step in the handling which would permit contamination, followed by keeping the product in a warm place, permitting the contaminating organisms to grow and develop toxic substances responsible for the symptoms of illness which too frequently follow the eating of these articles. Common sources of contamination were found to be: wooden pails and other open top utensils unsterile to begin with and exposed to air of the shop; unsterile spoons, dippers and cardboards used in the transferring of the filling from place to place; the hands of employees commonly used in handling and filling; the filling machine or pastry bag commonly not clean and seldom sterile at the time used. It is common knowledge among bakers that these articles spoil rapidly. However, few bakers are taking adequate measures to prevent spoilage. It is believed that unless means of preventing contamination and spoilage of the ingredients of these articles is carried out extensive outbreaks of poisoning are likely to develop. While the outbreaks of poisoning in this State so far have been attributed to eclairs and cream puffs, there are a number of other bakery products containing the same filling or similar filling likely to cause the same results.

Investigation of Samples of Sausage.—Large quantities of pork sausage are prepared in this State. This product is a comminuted meat product which is prepared in a manner so that the purchaser is unable to ascertain whether the product is adulterated or not. As the product is sold by weight the incorporation of a

cheap and heavy substance is desired where adulteration is intended and the incorporation of excessive quantities of water with sausage meat is easily accomplished without the knowledge of the purchaser. During the year 263 samples of sausage have been collected and examined and 33 samples were found to be adulterated. Sausage meat has also been examined for sulphites, which is prohibited by law in meat products and in one instance sulphites were detected. Suits have been instituted in cases where excessive quantities of water or where sulphites were detected in sausage.

Investigation of Spray Residue on Fruits.—Representative samples of fruit grown in New Jersey during 1930 were collected at the time of marketing and examined in the laboratory of the Department for the presence of arsenical residue remaining after the application of the spray materials. The samples of fruit were found to contain less arsenical residue than the tolerance specified for the fruit of this year by the United States Department of Agriculture. The period of 1930 during which apples grew and were harvested was one of unusual drought. The results of examinations of the fruit indicated that the growers had used exceptional care in following schedules of spraying devised to give maximum protection against pests with a minimum amount of poisonous residue at the time of harvesting.

Beverage Bottling Plants.—There are 286 nonalcoholic beverage bottling plants operating in this State at this time. Under the provisions of Chapter 122 of the Laws of 1924 such establishments are required to be licensed by the Department of Health. Agents of the Department have made 543 inspections of these plants during the year. From the inspections which have been made a considerable improvement has been observed in the sanitation of these plants and a noticeable interest on the part of the operators to provide suitable buildings and equipment for these establishments has been shown.

During past years carbonated beverages sold under the name of Grape, Cherry, Strawberry, Raspberry, etc., were prepared in general from imitation fruit flavorings with the addition of added coloring to obtain a final product with a color simulating the

color of the fruit mentioned in the name of the beverage on the label of the bottle. During the past two years there seems to have been a change on the part of a large number of bottlers to obtain and use true fruit flavorings. This change has come about largely through the development of fruit flavorings for carbonated beverages by certain manufacturers of flavorings and the desire of the progressive bottler to improve his merchandise.

As in the past the same difficulty has been experienced in causing the proper labelling of beverages prepared from imitation fruit flavorings with the words "Imitation" or "Artificial" in a legible manner, although considerable improvement has been observed in the manner of labelling such beverages.

During the past year there has appeared on the highways of this State, particularly at roadside stands, beverages which are dispensed and sold under the name of "Cherry Cider", "Wild Cherry" and numerous other names. Investigations which have been made show that in a great many instances these products were not only misbranded, but were prepared in kitchens, cellars and other places which did not meet the requirements of the laws and regulations in force in this State. In most instances these beverages were prepared from imitation fruit flavorings, coloring, sugar and preservatives, displayed in gallon or half-gallon jugs, in some cases bearing no label or bearing a label which was grossly misleading or deceptive to the purchaser of the product. The Department has instituted prosecutions against those persons found to be operating without a license and who were offering products which were misbranded within the meaning of the law. These investigations are to be continued during the coming year with a view of breaking up the practice of manufacturing beverages in places which do not meet the sanitary requirements in force in this State and the practice of misbranding such products in the labelling.

The Department is charged with the enforcement of the beverage bottling laws and with the licensing of such places. These licenses expire on June 30th of each year. While in general these places comply with the sanitary requirements at the time of licensing, it is difficult, with the present force of inspectors, to give them as frequent inspection as seems necessary. The

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employment of a full-time inspector in the supervision of these plants would materially improve the control and sanitation of these plants throughout the year.

TABLE 1

Samples of Milk, Foods, Drugs, Cleansing Solutions, Collected for Analyses and their Classification

	<i>Above Standard</i>	<i>Below Standard</i>	<i>Totals</i>
Milk and Milk Products	4,561	252	4,813
Foods	1,352	128	1,480
Drugs	323	80	403
Cleansing Solutions	74	10	84
	6,310	470	6,780

TABLE 2

Sanitary Inspections Made of Establishments Where Foodstuffs are Prepared, Packed, Stored or Otherwise Handled

Dairies	3,577
Creameries	717
Milk depots	125
Ice cream factories	531
Cold storage warehouses	209
Slaughter-houses	168
Beverage bottling plants	543
Canning factories	89
Meat markets	113
Miscellaneous inspections	58
Total	6,130

Cold Storage.—Section 8, Chapter 101 of the Laws of 1916, provides that the Director of Health shall extend the period of storage beyond twelve months for any particular article of food, providing the food is found to be in proper condition for further storage. A report of each particular lot of food on which extensions were granted shall be included in the annual report of the Director of Health.

During the fiscal year from July 1, 1930, to June 30, 1931, extensions of time were granted for the storage of food in cold storage as follows:

<i>Article</i>	<i>Quantity</i>	<i>Date of Storage</i>	<i>Period of Extension</i>
Butter	400—60-lb. tubs	July 8, 1929	1 month
Butter	400—60-lb. tubs	July 19, 1929	1 month
Butter	275—60-lb. tubs	July 25, 1929	1 month
Frozen eggs	449—30-lb. cans	July 15, 1929	1 month
Frozen eggs	47—30-lb. cans	July 15, 1929	1 month
Frozen eggs	10,700—30-lb. cans	July 1, 1929	1 month
Frozen eggs	2,000—30-lb. cans	July 1, 1929	1 month
Frozen eggs	1,479—30-lb. cans	July 1, 1929	1 month
Beef	597 quarters	Aug. 24, 1929	1 month
Beef	400 quarters	Sept. 26, 1929	1 month
Beef	487 quarters	Aug. 30, 1929	1 month
Beef	1,397 quarters	Sept. 23, 1929	1 month
Ox tails	32 boxes	Sept. 16, 1929	1 month
Ox tails	63 boxes	Sept. 27, 1929	1 month
Beef	400 quarters	Sept. 23, 1929	1 month
Tongues	13 barrels	Sept. 13, 1929	1 month
Pork	21 boxes	Oct. 11, 1929	1 month
Ox tails	33 boxes	Oct. 10, 1929	1 month
Frozen eggs	3,284—30-lb. cans	Oct. 29, 1929	1 month
Frozen eggs	1,866—30-lb. cans	Nov. 14, 1929	1 month
Butter	579—60-lb. tubs	Nov. 14, 1929	1 month
Frozen eggs	1,752—30-lb. tins	Dec. 9, 1929	1 month
Frozen eggs	14,308—44-lb. tins	Feb. 14, 1930	1 month
Chickens	14,707 lbs.	Apr. 16, 1930	1 month
Frozen eggs	162—30-lb. cans	May 17, 1930	1 month
Frozen eggs	200—30-lb. cans	June 5, 1930	1 month

In each case where extensions of time were granted, the articles were inspected and found to be in suitable condition for additional period of storage.

**SUMMARY OF THE KINDS AND AMOUNTS OF FOODS IN COLD STORAGE WAREHOUSES IN NEW JERSEY ON THE LAST DAY OF
DURING THE YEAR 1930-1931**

ARTICLE	July 1930	Aug. 1930	Sept. 1930	Oct. 1930	Nov. 1930	Dec. 1930	Jan. 1931	Feb. 1931	March 1931	April 1931
Eggs, cases	1,016,003	956,512	871,798	686,315	482,387	278,646	138,827	42,118	198,405	538,739
Eggs, broken, lbs. ...	4,212,918	3,787,154	3,690,128	3,349,326	2,976,983	2,734,904	2,448,700	3,667,523	3,853,524	5,826,463
Cheese, lbs.	6,841,816	6,490,178	6,626,178	6,120,385	5,753,579	5,256,741	5,192,548	4,791,046	4,762,220	4,584,538
Butter, lbs.	6,709,845	5,437,327	4,427,331	3,048,195	2,060,207	1,873,774	1,663,160	1,487,694	1,188,837	1,105,488
Poultry, lbs.	6,023,572	5,928,504	6,273,829	7,109,406	8,839,017	9,782,155	10,165,702	9,778,743	6,425,940	4,303,515
Fresh meats, lbs.	5,232,881	4,416,463	7,027,626	4,542,032	4,145,621	3,502,141	4,818,634	4,368,649	4,030,994	3,956,328
Fresh fish, lbs.	2,649,581	2,608,072	4,585,277	4,687,720	3,411,265	3,742,118	3,023,247	1,403,099	381,929	267,593
Milk and milk products, lbs.	933,297	556,584	407,300	395,310	300,954	114,116	136,490	904,270	799,399	133,256
Edible fats and oils, lbs.	30,942	652,054	1,114,826	159,039	1,007,883	758,690	713,942	634,826	171,724	1,070,060
Game, lbs.	9,657	10,203	9,357	9,357	3,772	4,726	4,466	3,477	2,236	6,736
Miscellaneous articles, pkgs.	327,052	204,342	708,025	1,312,633	1,384,791	1,039,449	870,315	646,994	436,745	256,455

Report of the Bureau of Bacteriology

For the Year Ending June 30, 1931

J. V. MULCAHY, CHIEF

It will be seen from the following table that the fiscal year ending June 30, 1931, has been an exceedingly busy year for this Bureau with the limited number of technical workers engaged.

TABLE I

Total Number of Specimens Examined During Fiscal Year
Ending June 30, 1931

Diphtheria	14,536
Tuberculosis	6,760
Typhoid fever	2,201
Typhoid bacilli (feces and urine)	4,175
Gonorrhoea	5,474
Syphilis	34,334
Miscellaneous specimens	4,379
Total	71,859

The amount of work done during this year exceeds by about 6,000 specimens the number examined last year when the total was far in excess of any previous year. The greatest marked increase is in the number of specimens of blood examined for syphilis by means of the Wassermann reaction.

This blood work has been handled by three technicians who deserve credit for the conscientious manner in which it has been carried on under adverse working conditions requiring considerable overtime on their part to complete each day's test. On many occasions about three hundred specimens are run a day. Those familiar with the working quarters allotted can appreciate what handling this number of specimens has meant and wonder how it has been possible to do this volume of work in such a small room.

It is earnestly hoped that the plans contemplated for the relief of the crowded condition of the laboratory will materialize during the coming year so this condition in this respect may be remedied. With such a volume of work as shown by Table I the inadequate quarters where this work must be done has been most apparent. This is especially true in the room devoted to the washing and preparation of glassware; the preparation of mailing cases and the sterilization of glassware and culture media. The working conditions in this room, especially in the summer time, where five women are employed, are almost intolerable.

A remedy for this unfavorable working condition is urgent and every effort should be made at the earliest opportunity to provide enlarged quarters so that the increased demands on the laboratory facilities by the physicians of the State may be met.

Specimens of feces and urine submitted for examination from convalescent cases of typhoid fever, from suspected carriers of this disease and from food handlers, to detect typhoid carriers, have shown a large increase in this type of examination. The total number of these specimens examined was 4,175. Such examinations are time-consuming, and such an increase represents a large volume of additional work to complete the tests.

These specimens are sent in by physicians to diagnose and determine the isolation in cases of typhoid fever; also, by representatives of this Department and local health officials investigating the source of typhoid in the search for typhoid carriers, and from employees on premises producing certified milk. An increasing number of these specimens are examined at the request of the Department of Agriculture, of employees on dairy premises where the owner desires to obtain a permit for the production of New Jersey Grade A raw milk and New Jersey Grade A Pasteurized milk.

The agglutination tests for typhoid fever alone were 2,201 specimens. Para-typhoid examinations are listed in the miscellaneous table (Table XI) and show that 897 specimens were examined by means of the agglutination test and that 958 feces and urine specimens were examined for para-typhoid bacilli.

Table XII shows specimens examined for evidence of *Brucella* infection during the year. Agglutination tests using a *Brucella*

abortus antigen were made on 180 samples of human blood, of which number 47 gave a reaction in a dilution of 1-80 to 1-1280 or higher. Of three specimens of human blood submitted for the isolation of the abortus organism, *B. abortus* was isolated from two of these three cases.

In the investigation of cases of undulant fever, cows' milk was submitted to determine the source of infection and in two instances an organism was isolated from the milk by animal inoculation which was identified as *B. abortus* (bovine type). It was interesting in these cases to note the reaction obtained on the milk serum from these cows. In both instances where the organism was isolated, the milk serum gave a reaction in high dilutions.

The laboratory is prepared to examine specimens of blood by means of the agglutination test from persons suspected of having undulant fever, when submitted in a satisfactory condition. These specimens should be collected in the same manner and amount as a specimen for the Wassermann test. The regular Wassermann containers may be used for the collection and transmission of specimens, but the history slip in these containers should be marked to show that a test for undulant fever reaction is desired. Special containers, consisting of a tube with a partial vacuum and containing a broth medium, will be sent upon request to any physician who desires to have a blood culture examination made from persons suspected of having undulant fever.

Specimens of blood from suspected cases of tularemia may be sent to the laboratory in the same manner and amount as described for the collection of blood for undulant fever. We have examined several specimens of blood for tularemia during the year, and in one case a positive reaction was obtained for this disease.

Table II, which follows, is a tabulation showing the prevalence of rabies as judged by the number of examinations of animals made in this laboratory. During the past year 202 animals' heads, mostly of dogs, were examined, and of this number 80 were found to be affected with rabies. This is a slight decrease from last year, and a decided decrease from the years 1924 to 1927, inclusive.

TABLE II

Yearly Totals of Animals Examined for Rabies from 1922 to 1931, Inclusive

	1922	1923	1924	1925	1926	1927	1928	1929	1930	1931
Positive	46	36	125	160	202	164	93	106	96	80
Negative	41	49	79	116	145	132	116	115	121	114
Unsatisfactory ..	18	10	22	18	25	26	19	22	11	8
Total	105	95	226	294	372	322	228	243	228	202

Table XIII shows the species of animals, besides dogs, that have been examined for evidence of rabies. In one instance a cow was shown to have been affected with this disease.

Some of these specimens are forwarded to the laboratory for examination with apparently very little thought as to the condition in which they arrive. The result is a specimen that is so badly decomposed, and in some instances seething with maggots, that no semblance of a brain is found.

The laboratory diagnosis of rabies in dogs, or other animals, is made by either of two methods; first, by a microscopical examination of the brain of the animal suspected of being affected with this disease; and, second, by inoculating sub-durally a guinea pig with an emulsion in glycerine of different portions of the animal's brain.

The microscopical examination is made immediately upon receipt of the animal's head, and a report of the result of this examination, whether positive or negative, is sent within an hour or two after the specimen is received.

The animal inoculation is made only on those specimens that are found to be negative by the microscopical method, or on specimens that are in such unsatisfactory condition when received that a satisfactory microscopical examination could not be made.

It is essential for a prompt and reliable report that the brain be received in as fresh condition as possible, and that it shall not be badly injured by shooting or beating the animal over the head. Animals' heads, when received in a badly decomposed condition, make a satisfactory microscopical examination impossible.

The inoculation of such putrid material into the brain of a guinea pig often results in the death of the animal from septicemia

within a few days, before symptoms of rabies would have time to develop if the suspected animal was rabid.

Should the first animal inoculated die too soon to establish a diagnosis, a second animal is always inoculated after the emulsion in glycerin has been kept in the ice box for several days to allow the putrefactive organisms to die off.

An animal that has been shot through the head, or one that has been killed by beating it over the head, is sometimes not in good condition for a microscopical examination, as the brain may be so badly injured that it is not possible to select those portions most likely to show evidence of the disease.

When it is not possible to make a satisfactory microscopical examination of a brain, due to decomposition or destruction by injury, and it is necessary to resort to animal inoculation alone, a delay of two to four weeks is occasioned before a report can be made. This delay could be avoided in many cases by observation of proper precautions when submitting an animal's head for examination for rabies.

When killing an animal, do not shoot it through the head or beat its brains out. Injury to the brain may prevent a satisfactory laboratory examination and result in loss of time and delayed treatment which might be fatal to the person bitten.

As soon as the animal is killed or dies, remove the head, wrap it in a tight cloth, place in a tight container, preferably a can with a close-fitting cover, tightly solder; pack the container in ice and send by messenger, or by express to the Bureau of Bacteriology, State Department of Health, at Trenton, without delay. Sawdust, or other absorbent material, should be used to prevent leakage of blood if a perfectly tight container cannot be procured. Care should be used to prevent wounding the hand or inoculating scratches or abrasions with saliva or blood while handling the head.

When shipping a head, mark the package plainly with the name and address of the sender. Then write a letter to the State Department of Health giving full particulars concerning the case. In this letter be sure to give all the following points of information:

Sender's nameAddress.....
 Health officer's nameAddress.....
 Name of owner of animalAddress.....
 Description of animal
 Where animal was found
 Whether the animal was killed or allowed to die
 Period of illness
 Diagnosis from symptoms
 Mention other animals bitten by this one
 Name of persons bitten
 State to whom report is to be sent and whether by telegraph (collect) or
 mail

Our animal room facilities for inoculated animals have been overtaxed due to the number of inoculations of so many animals for rabies, seventy-two tests for diphtheria virulence, and the large number of animals used in milk examinations for the presence of *Brucella abortus*. The rabies test and the test for *abortus* require that these animals be kept for several months before they can be autopsied or discarded.

Biologicals have been distributed to State institutions and physicians and furnished to the epidemiologists connected with this Department for use in communities where the use of toxin-antitoxin is being carried on.

Altogether the past year has been a most active one for this Bureau and the tabulations that follow show the various examinations made and the number of specimens examined in the laboratory, arranged and classified under the name of the disease for which they were examined.

Table XI shows the examinations made of specimens of a miscellaneous character and includes a variety of different diseases.

Table XV shows the number of different kinds of mailing cases for the collection and transmission of specimens from suspected cases of communicable diseases that are assembled in the laboratory and distributed to physicians direct and to repositories located in drug stores and to local boards of health for the use of physicians in their communities. Altogether 84,185 outfits were prepared and shipped to all parts of the State.

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TABLE III

Specimens Examined for Diphtheria Bacilli, Primary and Secondary, During
Fiscal Year Ending June 30, 1931, by Months

MONTH	Primary			Secondary			Total
	+	—	Uns.	+	—	Uns.	
July	13	418	22	30	267	7	757
August	16	260	7	25	192	4	504
September	27	359	10	23	270	10	699
October	57	1147	31	103	414	21	1773
November	61	924	47	158	715	39	1944
December	55	1445	96	161	994	63	2814
January	36	695	36	122	557	20	1466
February	22	561	14	90	378	11	1076
March	20	550	18	44	378	6	1016
April	19	467	9	42	264	3	804
May	28	404	13	79	297	5	826
June	6	477	13	18	339	4	857
Total	360	7707	316	895	5065	193	14536

During the year seventy-two tests were made for the virulence of the diphtheria bacillus.

TABLE IV

Specimens Examined for Tubercle Bacilli, Primary and Secondary, During
Fiscal Year Ending June 30, 1931, by Months

MONTH	Primary			Secondary			Total
	+	—	Uns.	+	—	Uns.	
July	54	283	4	52	122	3	518
August	59	243	6	51	118	2	479
September	43	267	2	48	119	.....	479
October	43	302	1	61	150	3	562
November	42	272	5	33	107	2	461
December	44	258	1	86	162	1	552
January	53	360	8	64	171	1	657
February	47	313	4	37	184	.....	585
March	53	336	2	55	159	2	607
April	58	338	6	44	158	.....	604
May	55	290	2	68	172	2	589
June	50	364	2	78	171	2	667
Total	603	3626	43	677	1793	18	6760

DEPARTMENT OF HEALTH

TABLE V

Specimens Examined for Typhoid Fever Reaction, Primary and Secondary,
During Fiscal Year Ending June 30, 1931, by Months

MONTH	Primary			Secondary			Total
	+	—	Uns.	+	—	Uns.	
July	7	161	2	3	23	2	198
August	21	131	4	5	14	.....	175
September	24	134	11	2	13	7	191
October	14	119	5	4	12	3	157
November	5	95	.....	2	4	.....	106
December	7	214	4	1	32	.....	258
January	2	200	6	1	38	2	249
February	4	142	1	1	8	1	157
March	5	108	2	.....	11	.....	128
April	10	130	7	3	11	2	158
May	5	135	3	1	23	1	173
June	4	138	2	.....	108	1	253
Total	108	1707	47	23	297	19	2201

TABLE VI

Specimens of Feces and Urine Examined for Typhoid Bacilli, Primary and
Secondary, During Fiscal Year Ending June 30, 1931,* by Months

MONTH	Primary			Secondary			Total
	+	—	Uns.	+	—	Uns.	
July	7	188	9	7	125	2	338
August	5	283	3	20	50	.....	361
September	10	270	5	4	55	2	346
October	10	252	6	4	73	1	346
November	7	105	.....	22	65	1	198
December	3	348	7	28	111	1	498
January	3	280	5	7	140	1	436
February	2	208	.....	5	154	6	375
March .....	.....	229	1	7	72	2	311
April	3	253	1	5	48	3	313
May	8	99	2	4	35		148
June	6	202	6	9	279	3	505
Total	64	2717	45	122	1205	22	4175

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TABLE VII

Specimens Examined for Gonococci (pus smears), Primary and Secondary,
During Fiscal Year Ending June 30, 1931, by Months

MONTH	Primary			Secondary			Total
	+	—	Uns.	+	—	Uns.	
July	113	289	11	8	94	2	517
August	77	237	14	15	106	3	452
September	107	240	15	21	99	2	484
October	104	204	16	15	86	6	431
November	94	214	12	23	93	3	439
December	81	257	9	28	108	6	489
January	85	210	17	22	107	5	446
February	66	193	11	18	94	3	385
March	73	256	14	24	96	2	465
April	86	246	15	21	77	4	449
May	80	240	7	12	113	3	455
June	93	254	10	14	88	3	462
Total	1059	2840	151	221	1161	42	5474

TABLE VIII

Miscellaneous Specimens Examined, Primary and Secondary, During Fiscal
Year Ending June 30, 1931, by Months

MONTH	Primary			Secondary			Total
	+	—	Uns.	+	—	Uns.	
July	64	168	5	15	41	.....	293
August	58	248	1	15	69	.....	391
September	102	240	2	45	82	2	473
October	96	212	7	38	95	1	449
November	94	167	.....	65	94	1	421
December	78	157	9	58	118	.....	420
January	63	138	1	29	50	.....	281
February	68	106	8	39	42	1	264
March	76	132	3	37	52	2	302
April	95	168	3	32	54	3	355
May	84	187	3	22	43	1	340
June	79	169	2	80	58	2	390
Total	957	2092	44	475	798	13	4379

TABLE IX

Specimens of Blood and Spinal Fluid Examined for Syphilis (Complement Fixation Test), with Alcoholic Extract Beef Heart Antigen, During Fiscal Year Ending June 30, 1931, by Months

MONTH	Primary							Secondary							
	4+	3+	2+	+	±	—	Uns.	4+	3+	2+	+	±	—	Uns.	Total
July	156	8	8	12	24	1986	111	58	5	4	14	23	474	21	2904
August	121	7	5	12	17	1531	84	42	8	5	10	17	443	11	2313
September	102	6	8	12	20	1697	64	42	11	3	9	19	410	18	2421
October	160	11	14	20	21	2075	69	90	12	13	17	18	430	21	2971
November	121	7	11	10	24	1611	84	73	13	7	23	47	426	11	2468
December	137	11	11	14	16	1821	86	75	10	11	18	19	504	24	2757
January	171	9	11	12	14	1748	96	145	21	23	20	31	506	31	2838
February	186	10	16	16	23	1893	98	114	14	15	32	32	390	26	2865
March	186	16	15	11	21	2188	114	103	15	19	18	37	465	28	3236
April	173	22	8	22	17	2250	71	119	28	12	44	32	481	29	3308
May	202	19	17	18	29	2092	60	97	23	24	20	36	476	32	3145
June	164	26	15	19	24	2059	67	60	15	11	16	28	581	23	3108
Total	1879	152	139	178	250	22951	1004	1018	175	147	241	339	5586	275	34334

TABLE X

Specimens of Blood and Spinal Fluid Examined for Syphilis (Complement Fixation Test), with Cholesterinized Antigen, During Fiscal Year Ending June 30, 1931, by Months

MONTH	Primary							Secondary								Total
	4+	3+	2+	+	±	—	Uns.	4+	3+	2+	+	±	—	Uns.		
July	209	9	6	13	10	1947	111	102	14	2	17	10	433	21	2904	
August	160	5	6	7	11	1504	84	81	8	1	10	15	410	11	2313	
September	154	7	3	21	12	1648	64	84	9	3	16	15	367	18	2421	
October	243	9	6	17	6	2020	69	153	14	7	11	20	375	21	2971	
November	176	4	1	14	13	1576	84	161	16	7	28	34	343	11	2468	
December	195	14	3	8	3	1787	86	137	11	5	14	16	454	24	2757	
January	212	5	11	8	17	1712	96	236	19	7	22	21	441	31	2838	
February	240	10	6	16	19	1853	98	187	14	15	17	17	347	26	2865	
March	256	4	7	11	13	2146	114	188	18	8	18	18	407	28	3236	
April	241	5	9	18	16	2203	71	239	19	13	35	25	385	29	3308	
May	288	18	5	16	18	2032	60	193	20	16	28	29	390	32	3145	
June	271	12	4	7	16	1997	67	151	21	16	20	23	480	23	3108	
Total	2645	102	67	156	154	22425	1004	1912	183	100	236	243	4832	275	34334	

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TABLE XI

Miscellaneous Specimens Examined, Positive, Negative and Unsatisfactory
During Fiscal Year Ending June 30, 1931

<i>Specimen for</i>	<i>Positive</i>	<i>Negative</i>	<i>Unsatisfactory</i>
Rabies	80	114	8
Anthrax	..	3	..
Bacterial infection (blood, body fluids, feces, milk, pus, sputum, urine, etc.)	932	135	13
B. tuberculosis (body fluids, feces, urine, pus, etc.) ..	7	127	..
B. typhosus (water, etc.)	1	22	..
Para-typhoid fever reaction (blood)	7	879	11
B. Para-typhosus (feces, urine, etc.)	1	950	7
Gonococcus infection (urine)	1	8	..
Malarial parasite (blood)	..	45	2
Ophthalmia neonatorum (smears and cultures) ...	36	16	3
Pneumococci (sputum)	5	11	..
Treponema pallida	..	2	..
Tularemia (blood reaction for)	1	5	..
Undulant fever	58	147	10
Vincent's Angina	298	409	2
Other unusual examinations	5	17	1
Total	1432	2890	57
Grand total			4379

TABLE XII

Specimens Examined for Evidence of Brucella Infection, During Fiscal Year
Ending June 30, 1931

<i>Specimens for</i>	<i>Positive</i>	<i>Negative</i>	<i>Unsatisfactory</i>
Undulant fever—			
Agglutination test of human blood	47	123	10
Human blood (cultures for type of organism) ..	2	1	..
Feces and urine (cultures for type of organism) ..	..	8	..
B. abortus—			
Animal inoculation of cow's milk	2	2	..
Animal inoculation of horse's blood	..	1	..
Agglutination test of cow's milk	5	12	..
Agglutination test of cow's blood	1	..	..
Agglutination test of horse's blood	1	..	..
Total	58	147	10
Grand total			215

TABLE XIII

Rabies Specimens, Species of Animals, Positive, Negative and Unsatisfactory,
Examined During Fiscal Year Ending June 30, 1931

Dogs—Positive, 79; Negative, 107; Unsatisfactory, 8.

Cats—Negative, 6.

Cows—Positive, 1.

Squirrels—Negative, 1.

TABLE XIV

Municipalities, Arranged by Counties, from Which Rabid Animals Were
Received During Fiscal Year Ending June 30, 1931

Atlantic County—Atlantic City, 2.

Bergen County—Garfield, 2; Hackensack, 4; Maywood, 1; Oradell, 4;
Tenafly, 1.

Burlington County—Burlington, 1; Maple Shade, 1.

Camden County—Camden, 8; Haddonfield, 2; Haddon Heights, 2.

Cumberland County—Bridgeton, 3.

Essex County—Orange, 3.

Gloucester County—Woodbury, 1.

Mercer County—Trenton, 2.

Middlesex County—Highland Park, 1; New Brunswick, 1; New Market, 2;
Perth Amboy, 1; South Plainfield, 1.

Monmouth County—Farmingdale, 1; Matawan, 1.

Morris County—Dover, 3; Mendham, 2; Morris Plains, 1; Morristown, 5;
Riverdale, 1; Wharton, 1.

Passaic County—Mountain View, 1; Passaic, 1; Paterson, 2.

Salem County—Elmer, 1; Hancocks Bridge, 1; Penns Grove, 2.

Somerset County—Bernardsville, 5; Peapack, 1; Raritan, 1; Somerville, 1.

Union County—Garwood, 1; Plainfield, 2; Westfield, 3.

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TABLE XV

Mailing Cases for the Collection and Transmission of Specimens Supplied to
Physicians and Repositories Throughout the State During
Fiscal Year Ending June 30, 1931

Diphtheria—Regular mailing cases	14,305	
Serum tubes and swabs	1,450	
Extra swabs	4,617	
		20,372
Tuberculosis mailing cases		9,612
Typhoid fever mailing cases		2,886
Gonorrhoea mailing cases		7,438
Malaria mailing cases		468
Feces and urine mailing cases		5,619
Syphilis mailing cases		37,578
Ophthalmia neonatorum mailing cases		212
Total		84,185

NEW JERSEY STATE LIBRARY

Annual Report of the Bureau of Chemistry

For the Year Ending June 30, 1931

JOHN E. BACON, CHIEF

The Bureau of Chemistry examines samples of food and drugs collected by inspectors of the Department in the enforcement of the Pure Food and Drugs Act. The facilities of the laboratory are also extended to local boards of health, the State Purchasing Agent, New Jersey State Police, State Department of Institutions and Agencies, State Board of Pharmacy, State Fish and Game Commission, State Board of Shell Fisheries. Analyses are made of various samples of food and supplies purchased under specifications for institutional use, alcoholic beverages to assist in the enforcement of the State Hobart Prohibition Enforcement law, and drugs collected by the inspectors of the State Board of Pharmacy. This Bureau has supervision over the Department's laboratory boat "Inspector", which is used for field investigations in connection with the sanitary control of the shellfish industry. In co-operation with local health authorities, the condemned waters are patrolled and frequently opened to permit transplanted of shellfish, and several hundred thousand dollars worth of dangerously polluted shellfish have been conserved through this policy. Over ten thousand samples of food, drugs, water, shellfish and miscellaneous preparations are examined annually. The variety of food and drug products examined is indicated by the following tabulation:

DEPARTMENT OF HEALTH

TABLE SHOWING NUMBER AND CHARACTER OF SAMPLES EXAMINED IN THE
FOOD AND DRUG LABORATORY DURING THE FISCAL YEAR ENDING JUNE 30, 1931

<i>Character of Sample</i>	<i>Above Standard</i>	<i>Below Standard</i>	<i>Total</i>
Milk, chemical	3,948	266	4,214
Milk, bacteriological	55	...	55
Cream	572	4	576
Sour cream	20	...	20
Buttermilk	11	...	11
Ice cream	108	2	110
Butter	131	3	134
Cheese	30	13	43
Hamburg	223	2	225
Pork sausage	209	55	264
Soft drinks	337	51	388
Olive oil	43	...	43
Canned tomatoes	47	1	48
Tomato products	63	3	64
Canned vegetables	21	2	23
Vinegar	27	27	54
Shellfish	70	...	70
Waters, shellfish investigations	89	...	89
Waters, Fish Hatchery	52	...	52
Waters for copper	10	...	10
Fruits for spray	21	...	21
Creamery wash waters	85	...	85
Alcoholic beverages	93	7	100
Miscellaneous	45	9	54
Total	6,310	445	6,755

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<i>Drugs</i>	<i>Above Standard</i>	<i>Below Standard</i>	<i>Total</i>
Aromatic spirits ammonia	23	94	117
Camphorated oil	211	44	255
Citrate magnesia	18	23	41
Boric acid ointment	8	0	8
Essence peppermint	16	2	18
Ethers	37	1	38
Fowlers solution	63	59	122
Germanium oxide	12	...	12
Goulard's extract	5	1	6
Hydrogen peroxide	34	32	66
Lime water	117	17	134
Lysol	18	...	18
Mercurochromes	5	3	8
Milk of magnesia	20	26	46
Spirits of camphor	28	...	28
Spirits of nitre	76	141	217
Syrup ferrous iodide	10	3	13
Tincture ferric chloride	58	5	63
Tincture iodine	172	11	183
Witch hazel	37	6	43
Miscellaneous	14	6	20
Total drugs	982	474	1,456
Urinalysis	...	...	125
Total	7,292	919	8,336

Ten and nine-tenths per cent of the samples examined were below the legal requirements.

Up to date the examination of food and drug samples has been confined to chemical and bacteriological determinations along well recognized methods, although it has been frequently necessary to develop special procedures for certain preparations for which there are no published determinations. The subject of vitamins in foods, both in health building and in the curation of certain diseases, has received so much publicity that there is a wide interest in this subject upon the part of the public. There are also a number of drugs, fairly commonly prescribed by physicians, for which there are no chemical assays, and the determination of the potency of the drug must be established by biological means. If the Department is to be progressive and in a position to supply to the public information pertaining to the vitamins of food

products and the efficacy of those drugs whose potency can only be determined by biological assays, then this Bureau should be furnished with the necessary facilities and personnel for these advanced scientific determinations.

The condemned waterways west of Atlantic City were thrown open from July 1 to August 15 in order that the clams therein might be gathered and transplanted to approved waters under supervision. The plan under which the transplantal of clams was carried out worked very successfully, and the Department received considerable favorable newspaper publicity, particularly along the line of doing its part in relieving the unemployment situation. While this phase, and also the conservation of a valuable food, is spectacular and bespeaks a constructive policy, the Department should be especially gratified in that in addition a health menace was partially removed. The dangerously polluted clams were so plentiful in these waters as to make surreptitious removal of same by irresponsible persons profitable enough to attempt to evade the patrol which is maintained; but since last September there has been a marked decrease in the number of persons arrested by the Atlantic City patrol in these waters for the illicit removal of clams.

Employment was furnished to an average of 140 boats per day for the thirty-three working days the area was open, and close to six million clams were harvested and transplanted. In this operation over \$30,000 were paid in wages, and the average wage per day per boat was \$6.50. The clams were safe for food purposes after September 15, and the market value should have exceeded \$100,000. Considerable additional work was provided in the handling of these clams for the market. The following tabulation gives a summary of what was accomplished:

TABULATION SHOWING NUMBER OF CLAMS REMOVED FROM CONDEMNED WATERS WEST OF ATLANTIC CITY AND THEIR VALUE, THE NUMBER OF MEN EMPLOYED AND AMOUNT OF WAGES PAID, JULY 1 TO AUGUST 15, 1930

Number of clams removed	5,635,092
Number of work days area was open	33
Average number of boats working per day	140
Amount paid in wages .....exceeding	\$30,000
Average wage per day per boat	\$6.50
Estimated market value of clams	\$100,000

The recent investigations of Cresses Thorofare and Richardson Channel, small streams tributary to the condemned waters of Grassy Sound and Grassy Sound Channel, west of Wildwood, showed that both of these bodies of water were subject to pollution of a highly dangerous character. Over fifty houses are located in close proximity to the banks of Cresses Thorofare, and untreated sewage from overhanging privies empties directly into the stream or upon the marshy meadowlands, subsequently gaining access to the water by means of drainage ditches or following periods of heavy precipitation or unusually high tides. The same situation exists at Richardson Channel, there being approximately one hundred houses along the banks of said stream. While both of these bodies of water are small in area, the investigation disclosed that it is the practice to store on these bottoms shellfish gathered from approved waters, which shellfish are later taken up and sold from roadside stands.

In view of the character of the pollution gaining access to these waters, recommendation was made that they be condemned for shellfish purposes, which was subsequently approved by the Board.

The Maurice River Oyster Growers and Dealers Association constructed a drainage ditch at a cost of \$1,500 at the rear of the road leading to Bivalve, which should obviate the insanitary conditions which existed in the past due to the collection of surface waters. The Central Railroad of New Jersey have reconstructed the retaining wall under the shipping platforms, which will prevent waters from the Maurice River flooding some of this section during extremely high tides. These improvements should result in considerable improvement in the general sanitary conditions.

Careful inspections of the scavenger service for boats entering the river indicated this is working efficiently, and the four full-time men employed by the Association to keep the sanitary chemical toilets in a cleanly condition, and the tanks properly emptied as needed seem to be adequate to cope with the situation.

The past year has witnessed a merger of the principal shucking houses in this district into one large corporation known as the

Port Norris Oyster Company, Incorporated. This move should facilitate sanitary supervision, as two or three small houses formerly operated will be shut down, and the activities concentrated in three or four of the larger establishments of this company.

An additional shucking house is being constructed and will be ready for operation in the fall of 1931. The Planters Oyster Company, Incorporated, as this concern will be known, is constructing a model up-to-date shucking house and contemplates having opening facilities for 175 shuckers.

The general trend in this section is towards the shipment of more of the oysters shucked in cans and less in the shell.

Since the detection of added water in shucked oysters is based upon the determination of the solid content, and as the latter is affected by various factors such as the amount of precipitation during the summer and early fall months; time of the season that oysters are removed from beds; length of time that beds have been worked; salinity of the overlying waters, etc., it seems essential that the Department gather authentic information upon this subject. With this thought in mind, therefore, considerable numbers of samples from different beds in Maurice River Cove were collected during the year and the solid content determined before and after storage, and after shucking before and after cleansing.

Working in co-operation with the American Can Company, the oyster industry has put up an experimental pack of oysters, using the so-called vacuum process, which they seem to think has great possibilities in the retail trade for the small containers for individual oyster stews. This Bureau assisted the industry in the preparation of labels acceptable to the United States Department of Agriculture for this innovation.

At this time I wish to bring out the very excellent co-operation which exists between the Department and the oyster industry at Bivalve and Maurice River, New Jersey. This is undoubtedly due to the strength of the local organization which the oystermen have formed, known as the Maurice River Oyster Growers and Dealers Association. Between \$15,000 and \$25,000 per year are

expended by this Association in maintaining a scavenger service for all oyster boats entering the river and to pay four full-time men for the sanitary supervision of the large number of chemical toilets in existence in this district. All funds for these services are obtained by the Association levying a tax on each thousand of oysters handled; the Department should look with disfavor upon individuals dissociating themselves from an efficient association and attempting to maintain sanitary conditions individually.

A large number of persons at Highlands, New Jersey, are dependent upon the soft clam industry for a livelihood. The method of handling the shucked soft clams, the sanitary improvements made in this industry, and the rules and regulations adopted governing same, were described in last year's report. The consistently high scores obtained upon examination of these shucked soft clams, particularly during the warm weather months, have always been a matter of considerable concern, as the product has been excluded from sale in the New York City markets on various occasions. While the Department maintains there is no particular sanitary significance attached to these high scores, inasmuch as the product is invariably cooked before being consumed, an experiment was conducted during the past year attempting to purify the shell clams by means of sterilized running water to eliminate scores which have usually been obtained in the past during the opening and handling processes. Results of this investigation were very encouraging, but as they were obtained during the cold weather months, it is deemed advisable to repeat them during the coming summer before drawing definite conclusions.

Following are tabulations of bacteriological results obtained on water and oyster samples taken from the various shellfish areas of the State.

WATER SAMPLES

Barnegat Bay Section

Barnegat Bay—Number samples collected	20
Number showing <i>B. coli</i> in 10 cc.	0
Number showing <i>B. coli</i> in 1 cc.	0

Great Bay Section

Manahawkin Bay—Number samples collected	20
Number showing B. coli in 10 cc.	1= 1%
Number showing B. coli in 1 cc.	0
Tuckerton Creek—Number samples collected	20
Number showing B. coli in 1 cc.	6=30%
Number showing B. coli in 0.1 cc.	1= 5%
Number showing B. coli in 0.01 cc.	1= 5%
Little Egg Harbor Bay—Number samples collected	60
Number showing B. coli in 10 cc.	4= 6.6%
Number showing B. coli in 1 cc.	1= 1.6%
Number showing B. coli in 0.1 cc.	0
Great Bay—Number samples collected	60
Number showing B. coli in 10 cc.	5= 8.3%
Number showing B. coli in 1 cc.	0
Number showing B. coli in 0.1 cc.	0
Oyster Creek—Number samples collected	10
Number showing B. coli in 1 cc.	5=50%
Number showing B. coli in 0.1 cc.	0

Atlantic City Section

Little Bay—Number samples collected	30
Number showing B. coli in 10 cc.	3=10%
Number showing B. coli in 1 cc.	0
Number showing B. coli in 0.1 cc.	0
Grassy Bay—Number samples collected	30
Number showing B. coli in 10 cc.	3=10%
Number showing B. coli in 1 cc.	0
Number showing B. coli in 0.1 cc.	0
Lakes Bay—Number samples collected	80
Number showing B. coli in 1 cc.	23=28.7%
Number showing B. coli in 0.1 cc.	10=12.5%
Great Egg Harbor Bay—Number samples collected	60
Number showing B. coli in 1 cc.	9=15%
Number showing B. coli in 0.1 cc.	1= 1.6%

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Cape May Section

Pecks Bay—Number samples collected	30
Number showing B. coli in 10 cc.	23=76.6%
Number showing B. coli in 1 cc.	12=40%
Main Channel near Corsons Inlet—	
Number samples collected	30
Number showing B. coli in 10 cc.	9=30%
Number showing B. coli in 1 cc.	2=6.6%
Ludlams Bay—Number samples collected	30
Number showing B. coli in 10 cc.	15=50%
Number showing B. coli in 1 cc.	6=20%
Main Channel near Townsend Inlet—	
Number samples collected	30
Number showing B. coli in 10 cc.	19=63.3%
Number showing B. Coli in 1 cc.	10=33.3%
Great Sound—Number samples collected	30
Number showing B. coli in 10 cc.	17=56.6%
Number showing B. coli in 1 cc.	6=20%
Great Channel—Number samples collected	30
Number showing B. coli in 10 cc.	22=73.3%
Number showing B. coli in 1 cc.	10=33.3%
Number showing B. coli in 0.1 cc.	2= 6.6%
Richardson Sound—Number samples collected	10
Number showing B. coli in 10 cc.	6=60%
Number showing B. coli in 1 cc.	1=10%
Jarvis Sound—Number samples collected	10
Number showing B. coli in 10 cc.	10=100%
Number showing B. coli in 1 cc.	3=30%

Delaware Bay Section

Delaware Bay, over leased oyster grounds—	
Number samples collected	45
Number showing B. coli in 10 cc.	4= 8.8%
Number showing B. coli in 1 cc.	0

DEPARTMENT OF HEALTH

Maurice River Section

	Ebb Tide	Flood Tide
Section 1. Leesburg to upper end of Long Branch—		
Number samples collected	78	80
Number showing B. coli in 1.0 cc.	77=98.9%	73=91.2%
Number showing B. coli in 0.1 cc.	53=66.3%	33=41.2%
Number showing B. coli in 0.01 cc.	16=20.0%	6= 7.5%
Section 2. One mile above Manumuskin Creek to Leesburg—		
Number samples collected	80	80
Number showing B. coli in 1.0 cc.	80=100%	80=100%
Number showing B. coli in 0.1 cc.	54=67.5%	57=71.2%
Number showing B. coli in 0.01 cc.	14=17.5%	12=15.0%
Section 3. Sand Wash Wharf to a point one mile above Manumuskin Creek—		
Number samples collected	80	80
Number showing B. coli in 1.0 cc.	79=98.7%	79=98.7%
Number showing B. coli in 0.1 cc.	56=70.0%	54=67.5%
Number showing B. coli in 0.01 cc.	22=27.5%	16=20.0%
Section 4. Bridge at Millville to Sand Wash Wharf—		
Number samples collected	80	80
Number showing B. coli in 1.0 cc.	78=97.5%	80=100%
Number showing B. coli in 0.1 cc.	59=73.7%	77=96.2%
Number showing B. coli in 0.01 cc.	28=35.0%	46=57.5%
Number showing B. coli in 0.001 cc.	20=25.0%	29=36.2%

THE FOLLOWING ARE SCORES OF WATER SAMPLES TAKEN FROM STORAGE AREAS,
GREENBANK AND LONG REACHES, MAURICE RIVER

Number of samples collected	140
Number scoring 0	40=28.5%
Number scoring 1	34=24.3%
Number scoring 2	29=20.7%
Number scoring 3	15=10.8%
Number scoring 4	13= 9.3%
Number scoring 5	9= 6.4%

THE FOLLOWING ARE SCORES OF SALT OYSTERS COLLECTED FROM DELAWARE BAY

Number of samples collected	50
Number scoring 0	36=72.0%
Number scoring 1	4= 8.0%
Number scoring 2	4= 8.0%
Number scoring 3	4= 8.0%
Number scoring 4	0
Number scoring 5	1= 2.0%
Number scoring 140	1= 2.0%

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THE FOLLOWING ARE SCORES OF STORED OYSTERS TAKEN FROM MAURICE RIVER

Number of samples collected	100
Number scoring 0	10=10.0%
Number scoring 1	19=19.0%
Number scoring 2	12=12.0%
Number scoring 3	18=19.0%
Number scoring 4	23=23.0%
Number scoring 5	12=12.0%
Number scoring 14	4= 4.0%
Number scoring 23	1= 1.0%
Number scoring 32	0
Number scoring 41	1= 1.0%

Report of the Bureau of Child Hygiene

For the Calendar Year 1930

JULIUS LEVY, M. D., CONSULTANT

STATISTICAL SUMMARY

The following rates are per 1,000 live births for the State.

Deaths under one year	56
Deaths under one month	30
Stillbirths	38
Puerperal deaths	5.7

146 nurses supervised 6,276 expectant mothers, 22,838 babies, 38,404 preschool children and 113,037 school children.

22 field nurses were paid by the State Department of Health.

102 field nurses were paid by local communities.

22 field nurses were paid partly by the State and partly by the community in which they work.

473 communities carried on the State Child Hygiene Program under State supervision.

155 Baby Keep-well stations were conducted weekly where mothers could bring their babies and preschool children.

13 district supervisors supervised 400 midwives who delivered 14.5 per cent of the births of the State.

13 communities during the year assumed the salary of the nurse and requested the State Department of Health to continue supervision.

INFANT MORTALITY

The infant mortality rate for 1930 was 56, a reduction of 6.5 per cent over the rate of 1929. This presents not only the lowest rate that has ever been reported for New Jersey, but one of the lowest rates for any state in the Union with similar climatic and industrial conditions.

The highest infant mortality rate for any county was 76. Only three counties had a rate over 70 and five had a rate less than 50.

Counties with rate over 70

Hunterdon
Mercer
Salem

Counties with rate less than 50

Cape May
Bergen
Union
Sussex
Essex

Among the ten largest cities in the State, the highest infant mortality appears again in Trenton, with a rate of 78. The lowest rate, 36, is represented by East Orange.

Among the cities with a population between 50,000 and 100,000 East Orange has the lowest infant mortality rate and Hoboken, with a rate of 75, has the highest.

Among the cities with a population between 25,000 and 50,000 the lowest rate was for Montclair, 35, and the highest New Brunswick, 67.

The lowest rate for the cities with a population between 10,000 and 25,000 was 18 for Rutherford and the highest 99 in Carteret. These towns also had the highest and lowest rates in 1929.

MATERNAL MORTALITY

The maternal mortality rate 5.7 shows a slight increase over the year 1929. The maternal mortality rate with slight variations from year to year has practically shown no change. This problem still challenges the medical profession and public health workers. We are in a position to say that certain activities which have taken place in the last ten years, looking towards the reduction of maternal mortality, have had very little effect upon this problem and that a new approachment will be necessary, if any impression is to be made.

NEONATAL MORTALITY

A slight decrease has occurred in the neonatal mortality. The 1930 neonatal mortality, 30, is two points lower than that of 1929 and 5.4 lower or 16% less than in 1928.

The stillbirth rate, which was 38, also presents a slight decrease over 1929.

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PRENATAL SUPERVISION

During the year some 6,276 mothers received prenatal advice from the child hygiene nurses and were referred to physicians for prenatal examinations. Of this group, pregnancies ended in 4,249 with a maternal mortality rate of 3.5. This maternal mortality rate is mentioned merely to call attention to the fact that it is not statistically correct to compare the maternal mortality of a special group under supervision with the maternal mortality of a city or country as a whole. The reason for this is obvious. The maternal mortality of a city is based on all deaths in mothers associated in any way with pregnancy, labor or the puerperium. Maternal mortality rates reported by those carrying on prenatal care are based on a group in which the first five or six months of pregnancy are not included, as mothers rarely come under supervision before the sixth month of pregnancy. This fact should be kept in mind in attempting to estimate the influence of prenatal care on maternal mortality.

DEVELOPMENT OF CHILD HYGIENE WORK

There are now 146 child hygiene nurses under the supervision of the Bureau, who are working in 473 communities. This represents an increase of 13 nurses in some 73 communities. These nurses conduct 155 Baby Keep-well Stations, where consultations are held at least once a week. On January 1, 1931, 102 nurses were paid by local communities, 22 partly by the communities and the State and only 22 by the State entirely. When we remember that these nurses, even though paid by the local communities, remain under the supervision of the State Department and continue to carry out the continuous child hygiene program, we have an estimate of the success of the program developed by the Department.

BOARDING HOMES FOR CHILDREN

Number of homes licensed by the State Department of Health	328
Number of homes rejected by the State Department of Health	16
Number of homes recommended for licensing to local boards of health....	10
Of the 338 homes licensed, 185 were renewals of license	
153 were for new licenses	
Of the 338 licensed homes, 102 were licensed for 1 child	
138 were licensed for 2 children	
62 were licensed for 3 children	
28 were licensed for 4 children	
7 were licensed for 5 children	
1 for more than 5	

Effective January 1, 1931, a complete change was made in the control of boarding homes. Through an amendment to the Sanitary Code the responsibility for the licensing and supervising of boarding homes was placed with the local boards of health. This brings this activity in line with the general policy of the State Department to have local boards carry on all possible health activities in their own communities under the advice and direction of the State Department. Through the District Supervisors, local health officers have been advised in regard to the details and principles of this activity and it is believed that it will be carried out in accordance with our general policies.

UNMARRIED MOTHERS

During the year 1930 there were 1,245 reported illegitimate births. This was four cases less than last year.

The State Department of Health has continued its policy of co-operation with hospitals where maternity cases are cared for, and with established social workers and social agencies for the proper care and follow-up of unmarried mothers.

The northern part of the State is well cared for by the Church Mission of Help.

There has been a slight increase in the number of social workers in the southern part of the State, but there is still great need for more trained workers.

We have visited the different hospitals throughout the State twice during the year to further persuade them to refer the

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unmarried mothers, as soon as possible, to the social agency. With few exceptions the hospitals have accepted our three principles:

To refer cases for investigation as early as possible in pregnancy;

To keep the baby breast fed while in the hospital;

To keep mother and baby together until arrangements have been made by social workers for their return home.

NUMBER REPORTED ILLEGITIMATE BIRTHS ACCORDING TO DELIVERIES IN COUNTIES

(1.7 per cent of total births)

Atlantic	85
Bergen	49
Burlington	42
Camden	96
Cape May	8
Cumberland	43
Essex	217
Gloucester	31
Hudson	169
Hunterdon	16
Mercer	126
Middlesex	54
Monmouth	56
Morris	35
Ocean	7
Passaic	69
Salem	33
Somerset	9
Sussex	7
Union	74
Warren	19
Total	1,245

MATERNITY HOMES

In 1930 there were 28 applications for maternity home licenses.

22 were renewals of license

1 was rejected

3 were discontinued

2 were referred to Institutions and Agencies

The 22 licensed maternity homes were conducted as follows:

- 3 by graduate nurses
- 17 by practical nurses
- 2 by midwives

Of 695 cases delivered in licensed maternity homes, 655 were delivered by physicians and 40 by licensed midwives.

MIDWIVES

In a general way it may be said that continued progress has been made with the training and supervision of midwives and the elimination of unlicensed and undesirable midwives. With a gradual reduction in the number of births attended by them, the detailed report will indicate some of the methods followed and the results obtained.

There were 421 licensed registered midwives in 1930. Three hundred and sixty-seven of these were supervised by the State Department of Health and 54 in Jersey City were under local supervision.

There was a decrease of 37 midwives over 1929. This was due to deaths and retirement among the older midwives, and in a few instances to revocation of license for mal-practice.

During the year the midwives were grouped into three classes:

A, midwives who deliver more than 12 cases per year	197
B, midwives who deliver less than 12 cases per year	108
C, midwives who registered but did not deliver a case	62

District supervisors made 1,820 visits to midwives during the year.

UNLICENSED MIDWIVES

Two unlicensed midwives were referred to the State Board of Medical Examiners and their cases are pending prosecution.

This is the first year that we can positively say that there was not an active unlicensed midwife working in the State. However, as long as midwives exist, it will be necessary to run down reports that an unlicensed midwife has delivered an occasional case. In most of these cases an explanation of the law is all that is required to stop the unlicensed woman.

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Licensed midwives delivered 10,174 cases or 14.9 of the total births of the State. This is a decrease of 1,178 births or 1.7 per cent since 1929.

<i>Year</i>	<i>Total Births</i>	<i>Births Delivered by Midwives</i>	<i>Percentage of Births Delivered by Midwives</i>
1919	70,935	30,000	42.2
1920	76,431	21,571	28
1921	78,172	21,106	27
1922	74,479	19,205	26
1923	74,611	18,265	24.5
1924	76,530	17,645	23
1925	74,193	16,077	21.6
1926	72,386	14,739	20.3
1927	72,799	14,016	19.2
1928	70,076	12,718	18.1
1929	68,297	11,352	16.6
1930	68,282	10,174	14.9

LIVE BIRTHS ATTENDED BY MIDWIVES BY COUNTIES

<i>County</i>	<i>Total Births</i>	<i>Attended by Midwives</i>	<i>Percentage Delivered by Midwives</i>
Atlantic	1,925	102	5.3
Bergen	5,985	915	15.3
Burlington	1,627	75	4.6
Camden	4,252	343	8
Cape May	425	0	0
Cumberland	1,118	0	0
Essex	14,463	2,036	14
Gloucester	1,196	0	0
Hudson	11,782	2,486	21
Hunterdon	475	3	.6
Mercer	3,457	330	9.5
Middlesex	3,755	1,195	31.5
Monmouth	2,267	59	2.6
Morris	1,755	63	3.6
Ocean	538	0	0
Passaic	4,901	1,295	26.4
Salem	605	2	.3
Somerset	1,106	293	26.5
Sussex	522	1	.19
Union	5,383	967	17.9
Warren	745	3	.4

LIVE BIRTHS ATTENDED BY MIDWIVES IN LARGER CITIES

<i>City</i>	<i>Total Births</i>	<i>Attended by Midwives</i>	<i>Percentage Delivered by Midwives</i>
Atlantic City	1,026	48	4.6
Hammonton	153	37	24.1
Cliffside Park	282	139	49
Fairview	146	66	45.2
Garfield	584	296	50.6
Hackensack	461	36	8
Wallington	174	102	58.6
Camden	2,111	342	16.
Bloomfield	715	148	20.7
East Orange	978	34	3.5
Irvington	941	30	3.1
Newark	8,252	1,626	19.7
Orange	732	108	14.7
Bayonne	1,593	517	32.3
Hoboken	899	474	52.7
Jersey City	5,641	887	15.5
Kearny	682	8	1.1
Union City	864	215	24.8
West New York	665	229	34.4
Trenton	2,243	330	14.7
Carteret	242	168	69
New Brunswick	620	128	20.6
Perth Amboy	749	404	54
South Amboy	137	63	46
Clifton	747	153	20.5
South River	196	128	65.3
Passaic	928	450	48
Paterson	2,326	642	27.5
Bound Brook	175	154	88
Elizabeth	2,062	835	40.5
Linden	420	79	18.8

In nine cities midwives delivered from 48 to 88 per cent of the total births. Midwives delivered only 8 per cent of the total births in Camden County, but they delivered 16 per cent of the births in Camden City.

The reduction of births delivered by midwives this year (1,178), 1.7 less than last year was distributed among counties where large groups of midwives are practicing. (Decrease in Bergen County, 2.2; Camden County, 2.3; Essex County, 1.7; Hudson County, 4.0; Middlesex County, 4.5; Union County, 1.2.)

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MATERNAL MORTALITY

In 1930 there were 23 more maternal deaths and 15 fewer births, giving a maternal mortality rate of 5.7.

Upon investigation of 380 puerperal deaths it was found that midwives were in attendance at some time during pregnancy or labor in 20 or 5.1 per cent of the cases. Midwives attended 14.9 of all live births and 5 per cent of the maternal deaths.

SUPERVISION

In 1930 the nine midwives' organizations throughout the State held 94 meetings with an attendance of 1,369. This was a small increase in number of meetings and attendance over the previous year.

The subjects for lectures and demonstrations provided concentration on "Labor". This was a logical sequence to last year's subject of "Pregnancy".

Local physicians and district supervisors gave lectures and demonstrations on "Normal Labor, Prolonged Labor, Bleeding in Labor, Labor in Heart Disease, Tuberculosis and Toxemia, Resuscitation in Asphyxia of the New-Born."

A special drive was made on accurate temperature readings and accurate records of temperatures in post-partum care.

It was found that 261 or 85.5 of the active midwives made correct temperature readings and 188 or 61.6 kept accurate records of post-partum temperatures in case books.

There were 43 special detailed investigations of cases made where it was suspected that midwives were responsible for unfavorable results. They were as follows: puerperal deaths, 18; infant deaths, 1; stillbirths, 11; peritonitis, 1; puerperal sepsis, 9; miscarriage, 1; abortion, 1; ophthalmia, 1.

PROSECUTIONS

In nine instances midwives were referred to the State Board of Medical Examiners for suspension or revocation of license. They were as follows:

For the practice of medicine	2
Failure to call physician on abnormal case	3
For the practice of midwifery without license.	2
Conviction by local court for abortion	2

Result—

One midwife was fined \$200.00 for practicing medicine without a license.

One midwife was fined \$200.00 for practice of midwifery without a license.

License of one midwife revoked for criminal abortion.

One midwife was reprimanded by State Board of Medical Examiners for failure to call physician on abnormal case.

Five cases are pending.

PRENATAL CASES

There has been a considerable increase in the number of prenatal cases referred by midwives. The midwives referred 2,260 or 22.2 of the total cases delivered by them for prenatal care. The cases were referred to the district supervisors, who in turn referred them to doctors, prenatal nurses, clinics and centers for regular prenatal follow-up care. Many of them reported to family physicians for examination during pregnancy upon advice of midwives.

In four instances prenatal clinics are conducted solely or in large measure for midwives' cases. They are: Belleville Board of Health, Wallington Board of Health, Paterson Board, of Health and Newark City Hospital prenatal centre.

In other instances hospital clinics co-operate by examining midwives' cases with the understanding that midwives will deliver where they are normal. These are hospitals in Jersey City, Bayonne, Newark, Elizabeth, Trenton and Camden.

ABNORMAL CASES

In 1930 midwives referred 484 abnormal cases or 4.7 of the cases delivered by them to the district supervisors. In 449 instances or 92.8 of the total abnormal cases, physicians were

called in. Of these 21 were sent to hospitals. This is a slight increase in the number of cases with the percentage about the same as the previous year.

ADVANCED COURSE

The advanced course for licensed midwives in the southern part of the State was given in Cooper Hospital, Camden, New Jersey, during 1930. Every midwife in Camden completed the course and four midwives from Trenton travelled a distance of eighty miles each day to take advantage of it. In addition, fifteen midwives completed the course in Jersey City Hospital, Jersey City, N. J.

Dr. A. B. Davis and Dr. Thomas Lee, Camden, and Dr. George O. O'Hanlon and Dr. S. A. Cosgrove, Jersey City, together with the superintendents of nurses have made these courses possible.

The courses have been very helpful in establishing proper technique and up-to-date methods in our instruction of midwives.

SEVENTH ANNUAL CONFERENCE

The seventh annual conference was held in Jersey City Hospital May 23, 1930, with an attendance of about 300. The program was devoted to "Control of Cancer, Maternal and Neonatal Problem, Tuberculosis, Communicable Diseases in Relation to Labor."

MIDWIFERY BULLETIN

There were four issues of the "Progressive Midwife", a quarterly bulletin, in 1930. Some of the subjects discussed were "Guidance and Advice for Midwives; Cancer; Tuberculosis; Preparations for Labor and Home Delivery."

PUBLIC HEALTH COURSE

One of the few special activities during the year was the establishment of a public health course through the co-operation of Dean Clarence Partch of Rutgers University, which was held in Atlantic City during the Winter and Spring. While this course was open to all nurses doing public health work, it was established

primarily for the child hygiene nurses. In the group were many nurses carrying on tuberculosis, Red Cross and Visiting Nurse Association work.

The Bureau has continued its co-operation with the authorities at the Clinton Reformatory by arranging, through one of the District Supervisors, a course of twelve lessons in the demonstration of personal and child hygiene care. This seems to be very popular with the girls in the Reformatory and has received their wholehearted support.

The nurses have continued to extend their instruction in child hygiene to groups of girls in the upper grade of the elementary schools. During the year some 1,154 school children have received instruction, through actual demonstration, in the general care of young infants.

NURSES' ACTIVITIES

Visits made by nurses	288,016
To expectant mothers	26,557
To babies	127,208
To preschool children	83,134
To school children	51,117
Visits to Baby Keep-well Stations	95,880
Babies brought to stations	73,338
Preschool children brought	22,542
Prenatal care (expectant mothers)—	
Supervised prenatal cases	6,276
Expectant mothers supervised, address changed before delivery	302
Pregnancies ended	4,249
Live births	4,124
Stillbirths	81
Miscarriages	44
Maternal deaths—15	
Attendants at birth—	
Midwife	904
Doctor or hospital	3,292
No attendant	19
Infant care—	
Babies supervised during 1930	22,,838
Infant deaths under 1 year	102
Under 1 month (over 1 week)	25
Under 1 week (over 1 day)	18
Under 1 day	31

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Preschool care—

Children supervised	38,404
New cases	12,400
Illnesses and defects—	
Detected (not including school child)	7,283
Corrected	4,108
Contagious diseases—	
Suspected cases discovered	1,213
Unreported births discovered	107
Unsanitary conditions discovered	289
Eye smears taken	74
Suspected tuberculosis cases referred	600
Toxin anti-toxin given (not including school child) ...	9,803
Attendance at Little Mother's League	1,154
Vaccinations	1,344

School Hygiene—

School children supervised	113,037
Inspections (general, classroom, annual, etc., assisting doctor or nurses working alone)	935,140
Defects detected	110,432
Defects corrected	37,094
Illnesses detected	2,809
Illnesses corrected	1,943
Pupils excluded	9,771
Pupils readmitted	7,876
Nose and throat cultures for diphtheria	1,791
Toxin anti-toxin given	16,889

Report of the Bureau of Venereal Disease Control

For the Year Ending June 30, 1931

WILLIAM SAMPSON, CHIEF

It is difficult properly to evaluate the work of the Bureau of Venereal Disease Control due to the social taboo, which still lays a heavy hand upon its operations. Yearly there is an increasing freedom in the mention of venereal diseases, discussions as to their incidence, manner of spread, and results. Nevertheless the time has not yet arrived when the venereal diseases can be accorded the same publicity that attends smallpox, scarlet fever, diphtheria, etc. This false sense of modesty is strikingly in evidence when it comes to arranging an exhibit. Lest the public sense of propriety be offended, a soft pedal must be put upon an exhibit that would adequately illustrate the work of the bureau. Nothing must be shown that would affect the delicate sensibilities of our grandparents, let alone the sensibilities of a child. The Bureau is deprived of the immeasurable advantages of the radio in bringing its propaganda to the public. Yet with all the handicaps there has been a tremendous advance as contrasted with the state of the public mind when the World War had begun and the venereal diseases first came into the open.

CASES REPORTED

Number of cases of venereal disease reported to the State Department of Health for the twelve months ending June 30, 1930, and June 30, 1931:

	1930	1931
Chancroid	51	57
Gonorrhea	4,255	4,175
Syphilis	6,805	7,591
Total	11,111	11,823

The table below gives the reported cases in New Jersey by county, disease and sex for the calendar year of 1930, together with the rate per thousand:

<i>County</i>	<i>Gonorrhea</i>		<i>Syphilis</i>		<i>Chancroid</i>		<i>Total</i>	<i>Popu- lation</i>	<i>Rate Per M</i>
	<i>M</i>	<i>F</i>	<i>M</i>	<i>F</i>	<i>M</i>	<i>F</i>			
Atlantic	215	15	205	165	0	0	600	124,823	4.80
Bergen	108	41	183	162	2	0	496	364,977	1.35
Burlington	74	6	87	74	0	0	241	93,541	2.57
Camden	319	97	237	217	10	1	881	252,312	3.49
Cape May	13	2	7	6	0	0	28	29,486	.95
Cumberland ...	59	14	45	53	2	0	173	69,895	2.48
Essex	1,532	258	1,478	1,396	22	8	4,694	833,513	5.63
Gloucester	37	8	25	17	1	0	88	70,802	1.24
Hudson	428	93	611	356	1	0	*1,489	690,730	2.15
Hunterdon	21	12	9	63	0	0	105	34,728	3.02
Mercer	264	64	472	301	2	0	1,103	187,143	5.89
Middlesex	60	13	92	52	1	0	218	212,208	1.03
Monmouth	73	17	268	251	2	1	612	147,209	4.16
Morris	70	9	56	27	0	0	162	110,445	1.47
Ocean	18	4	24	15	2	1	64	33,069	1.93
Passaic	268	79	286	158	2	0	793	302,129	2.62
Salem	55	12	94	53	1	0	215	36,843	5.84
Somerset	51	4	33	17	1	0	106	65,132	1.63
Sussex	19	3	6	4	0	0	32	27,830	1.15
Union	98	16	192	114	8	0	428	305,209	1.40
Warren	3	3	15	11	0	0	32	49,319	.65
Total	3,785	770	4,425	3,512	57	11	12,560	4,041,343	3.11

* Does not include cases from Hudson County Laboratory.

The foregoing table is a striking instance of the failure of doctors to report their cases. That the reporting law is not generally observed must be apparent when we note that during the calendar year of 1930 only two cases of gonorrhea in the female were reported from Cape May County, four from Ocean, four from Somerset, three from Warren, and in the entire State, with over four million population, only 770 cases of gonorrhea in the female were reported. This may be largely due to the fact that the seriousness of gonorrhea is not appreciated either by physicians or those who are suffering from it, and accordingly the latter resort to quacks or to the corner drug stores for their remedies. Such cases are seldom reported nor are they properly

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treated. On the face the tables would indicate an increase in the diseases, but this may be accounted for by the increased population upon which the incidence is based, the rate per thousand being practically the same, 3.00 in 1929 and 3.11 in 1930.

IS SYPHILIS DECREASING?

The question is often asked, "Is syphilis decreasing?" This is not susceptible of a direct answer that can be demonstrated by figures, but syphilologists usually assert that the trend is along the diminishing line. Medical science aided by educational propaganda appears to be reducing the number of tertiary cases among the intelligent and fairly well-to-do—those who have sense enough to take and continue treatment—and shifting the problem to the ignorant, indigent classes who today constitute the chief public health problem as regards syphilis.

OFFER OF FREE DRUGS

The free distribution of drugs for the treatment of syphilis promised to physicians in return for the names and addresses of sources of infection of their patients, while bringing out many sources that otherwise would probably never have reached the Bureau, did not develop as many new sources as had been anticipated. Nevertheless the probable source was given in 501 cases, the highest number recorded in any year. This was without repeated reminders having been sent to physicians, so many of whom with occasional cases do not remember the requirements of the law. The coming year the matter will be called to the attention of physicians generally several times, and a wider response will undoubtedly be received.

The following table classifies the sources of infection that were reported to the State Department of Health for the fiscal years ending June 30, 1930, and June 30, 1931:

DEPARTMENT OF HEALTH

ANALYSIS OF SOURCES OF INFECTION

	1930	1931
Professional prostitutes and brothels	59	45
Clandestine prostitutes	206	225
Husband or wife	137	160
Congenital	33	69
Miscellaneous	4	2
Total	439	501

Many of the sources of infection are not necessarily referred to local health authorities for investigation, as for example, when the husband or wife is specified as such the reporting physician is asked to endeavor to bring the offending spouse in for treatment. The reason for this is obvious. Naturally, however, it does not apply when husband or wife are separated. Where the sources are reported nearly one-third name a spouse as the source. Many cases are contracted as pre-marital infections.

During the past fiscal year 210 cases have been referred to local health executives for investigation as contrasted with 217 the preceding year. There is appended an analysis as to the manner in which these sources were handled by local health executives:

	1930	1931
Under supervised medical treatment	55	53
Unable to locate the person named	42	36
Examined but found presumably non-infectious	30	36
Satisfactory disposition (agreed to take treatment, etc.)	14	10
Disposition unknown, or unsatisfactory (evaded supervision by moving, etc.)	38	10
Referred to health officials in other states	26	29
Handled by police authorities	12	6
No response from local health authorities	No record	30
Total	217	210

It is extremely interesting to observe that in only one case out of seven did we fail to get a response from local health authorities, and more than 25% of the sources were placed under supervised medical treatment. Think of the number of potential infections prevented!

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INVESTIGATING SOURCES OF INFECTION

To the average local health executive in a rural community a request to have the probable source of an infection of venereal disease examined is in the nature of a bugaboo and is to be shunned or neglected. To help educate these officials the Bureau conceived the idea of having regional conferences of health executives at which the four members of the staff of the Bureau met with the local officials and discussed the venereal disease reporting and control laws, and told the methods of investigating probable sources of infection in other sections of the State. Local health officials, known to the men, related their personal experiences in handling alleged sources. Then the Medical Consultant took up the subject of the length of time one infected with venereal disease was a public health problem; that is, in an infectious stage, giving it as his opinion that after six months' treatment a patient need no longer be an object of concern to health officers.

These meetings were strictly informal; one was held at Dover, March 27, for Morris County; at Bergen Pines, May 5, for Bergen County; and at Asbury Park, June 16, for Monmouth, Middlesex and Ocean Counties. Many questions were answered and troublesome problems solved.

CONFERENCES

Under the auspices of the Bureau a meeting of venereal disease clinicians, nurses and case workers was held at the Elks Temple in Elizabeth, December 4th. About 100 were present. Mrs. Elsa Butler Groves of Columbia University delivered a formal address, after which the conference settled down to a discussion of eminently practical questions. Some of the matters taken up were the following: Should clinic records be available to social welfare organizations? Should police aid be expected in other than primary cases? Is an evening clinic essential? How can the delinquent patient be kept under treatment? What is the value of routine Wassermanns on all hospital patients? Is the darkfield examination of primary syphilis necessary from public

health standpoint? What drugs are necessary in the treatment? How long should treatment be continued? When is the syphilitic infectious? When is it advisable to do a spinal fluid Wassermann? Can we state by any laboratory tests that a gonorrheal patient is cured? When may patient be permitted to marry? It is hoped that similar conferences may be held every year or so.

The demonstration clinics which have proven to be such a feature were continued during the year, when the Medical Consultant participated in such meetings held under the auspices of County Medical Societies as follows: Mercer County Society at Trenton with an attendance of 125, and the Morris County Medical Society with physicians from adjacent counties as its guests, held at Greystone Park, when 75 doctors were present.

NEW CLINICS

During the past year two new clinics have been established, one at Northfield in the Atlantic County Hospital for Mental Diseases, and one at Phillipsburg in the Warren Hospital, Wilbur Avenue. There are no clinics at present in the neighborhood of Phillipsburg and the establishment of one there is important. The total number of clinics in the State now is twenty-nine.

CLINIC PATIENTS AND TREATMENTS FOR FISCAL YEARS 1929, 1930 AND 1931

<i>Patients</i>	<i>1929</i>	<i>1930</i>	<i>1931</i>
Syphilis	2,536	3,476	4,153
Gonorrhea	1,772	2,116	2,242
Total	4,308	5,592	6,395
<i>Treatments</i>			
Syphilis	65,301	97,830	108,887
Gonorrhea	21,067	25,357	27,109
Total	86,368	123,187	135,996

The big increase is due to several reasons, economic conditions among others. Then the Newark clinic, the largest one in the State, is practically opened throughout the day.

That syphilis is still being viewed with a suspicious mind, as an authority claims it should be, is evident from the fact that

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during the last fiscal year Wassermann test analyses in the State Laboratory had increased to 33,340, a gain of over 2,000 during the preceding year.

The Bureau was again represented in the Public Health Course at Rutgers, where the Chief delivered two lectures dealing with venereal disease phases to the senior class.

EDUCATIONAL

During the past fiscal year the largest number of lectures ever delivered in one year, since the organization of the Bureau, was given; namely, 421. The attendance did not hold so well, the total amounting to 31,316. As is well known the policy of the Bureau has been to furnish a speaker when a minimum audience of 25 is assured, and it is a source of gratification rather than otherwise to find a demand coming from so many smaller groups.

Below is a recapitulation of the number of meetings, the total attendance and the pamphlets distributed for each year since 1920:

	<i>Number of Meetings</i>	<i>Attendance</i>	<i>Pamphlets Distributed</i>
1920	376	72,192	353,873
1921	255	28,912	84,389
1922	232	28,111	120,032
1923	229	30,058	65,668
1924	300	41,629	49,560
1925	334	39,415	45,000
1926	357	38,923	50,000
1927	307	35,095	89,354
1928	308	28,624	38,146
1929	285	28,151	30,589
1930	388	37,954	49,502
1931	421	31,316	52,778
	3,792	440,380	1,028,891

DEPARTMENT OF HEALTH

GROUPS ADDRESSED

During the fiscal year meetings have been held as follows:

<i>Name of Group</i>	<i>Number of Meetings</i>	<i>Attendance</i>
Parent-Teacher Associations	195	11,102
Children of high school age	83	12,274
Kiwanis clubs	21	858
Rotary clubs	21	817
Camps	17	702
Lions clubs	14	437
Women's clubs	9	492
Health officers	9	414
Men's clubs	7	411
National Guards	6	1,385
Y's Men's clubs	6	200
Industrial groups	5	310
Colored men	4	515
Business colleges	4	230
Jewish women groups	3	120
Nurses	3	90
Colored Y. M. C. A.	2	335
Doctors	2	200
Y. W. C. A.	2	125
Public Health Course	2	16
Social Workers Conference	1	85
Presbyterian Brotherhood	1	75
Church group	1	40
Cardinal Club	1	30
Boy Scouts	1	25
Exchange Club	1	28
Total	421	31,316

It is interesting to observe the increased number of meetings of and those in attendance at parent-teacher associations. These are meetings where the parents are usually addressed on the subject of sex education with a view to interesting them in the sexual development of their children. The parents are told what the children should know about sex matters and venereal disease as they grow up and the best way of imparting the information. Such meetings really constitute the cornerstone of the educational work of the Bureau, for it is believed that proper training in the early years constitutes the best insurance against the acquisition

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MEETINGS HELD EACH MONTH, WITH THE TOTAL ATTENDANCE FOR THE MONTH, AND THE TYPE OF ATTENDANCE AT THE MEETINGS

1930-31	Men Only		Women Only		Men & Women Together		Students		Totals	
	No.	Attend- ance	No.	Attend- ance	No.	Attend- ance	No.	Attend- ance	No.	Attend- ance
July	6	983	1	10	..	...	9	272	16	1,265
August	5	700	..	...	2	16	7	420	14	1,136
September	8	273	2	60	1	150	..	...	11	483
October	19	1,004	21	2,113	9	1,195	2	55	51	4,367
November	9	325	15	735	17	1,685	4	1,450	45	4,195
December	5	165	12	522	10	380	9	2,510	36	3,577
January	9	481	32	1,464	3	115	7	620	51	2,680
February	4	154	22	872	6	285	10	801	42	2,112
March	4	140	20	875	15	768	14	1,838	53	3,621
April	8	267	21	825	7	763	28	3,240	64	5,095
May	7	194	8	380	7	475	8	1,146	30	2,195
June	5	355	1	175	2	60	..	...	8	590

HIGH SCHOOL TALKS

Formerly like all other high schools in the State the East Side High School in Paterson has had one address yearly given to the boys and one to the girls; in each instance the group being about 1,200. Last spring the plan was tried of having the speaker address smaller groups. Two full days were given to the school by each of the bureau speakers and twelve groups of girls and twelve of boys were addressed. The experiment was so successful that it will be urged on other large schools hereafter.

The speaker who has addressed most of the men's civic clubs during the past year has met with great success in presenting what he calls a Social Hygiene Symposium. In a short address he outlines the program of the Bureau in dealing with the control of the venereal diseases and then has invited questions. Usually these come thick and fast and run the whole gamut of the venereal disease phases. In almost every instance the set time of his address has been exceeded from five to forty-five minutes, and even then some members remain to have private talks with the speaker. The important feature is that the listeners secure information that they want and not what the speaker thinks they want. It is noteworthy also that the majority of questions deal with the venereal diseases themselves.

The Bureau has recently purchased additional films and now owns the following, which are sent free throughout the State for exhibition purposes:

The Gift of Life

The Venereal Diseases (for men)

Social Hygiene for Women

Deferred Payments.

The usual attention was paid to the National Guard encampment and several films were provided for exhibition to the soldiers under the auspices of the Y. M. C. A. secretary.

It is gratifying to say that the entente cordiale between physicians, clinics, health officers and the Bureau has been well maintained.

Report of the Bureau of Public Health Education

For the Year Ending June 30, 1931

EDWIN C. LANIGAN, CHIEF

An intensive campaign has been carried on by the bureau during the last fiscal year to acquaint the public with the various activities of the State Department of Health. In the belief that four out of five residents of the State read the newspapers the bureau has concentrated on these media for distribution of material on health topics. The articles pertained to the work of the various bureaus and advice on a variety of subjects.

Governmental experts have publicly commended the advisability of providing the department with an appropriation of at least \$100,000 to inaugurate an educational campaign which might eventually result in a substantial curtailment of the State's growing burdens for institutional care. Such a recommendation is based on the theory that prevention will return greater dividends than subsequent cure after custodial care.

A better understanding on the part of the public of the services rendered by the Department to the physicians of the State in diagnosis of communicable disease specimens and the work of the Chemistry Bureau in analyzing food products and milk supplies would bring the Department moral support to extend its work.

"Pitiless publicity" during the past year has served to bring many an offender of the health laws into line and conform with the Department's regulations. An instance in point was the failure of the Borough of Fort Lee to obey an order to cease pollution of a tributary of the Hackensack River. The borough officials also disregarded a mandate of the Court of Chancery, based on the findings of the Department, and were held in contempt of court. The officials agreed to comply with the board's

original orders as soon as engineering plans and finances could be arranged.

Municipalities employing unlicensed operators at sewage and water plants have also come under the ban of the Department and conditions corrected after derelictions were called to public attention.

The bureau reiterated throughout the year the necessity of creating four additional district health officers, to supplement the work of the two officers employed for the past ten years. The 1931 Legislature granted this request and the Department is now ready to zone the State into health districts, completing its organization and afford a better co-ordinated health service.

With an appropriation of \$25,000, the Department has undertaken a clean-up of pollution in the Raritan Valley. More than a dozen municipalities have been served with formal legal notices to cease pollution of the Raritan River.

North seashore municipalities still resisting the orders of the board to cease emptying insufficiently treated sewage into the Atlantic Ocean have been summoned into court to show cause why they should not be compelled to construct sewage disposal plants. The Department has utilized the public press in calling attention to the shortcomings of the recalcitrant and offending municipalities.

Work of the Department was displayed at the Trenton Interstate Fair and Flemington Fair in the past year.

Report of the Bureau of Vital Statistics

For the Calendar Year 1930

DAVID S. SOUTH, STATE REGISTRAR

This Bureau, which was established in 1878, has the custody of over seven million records of births, marriages and deaths which date back to 1848. In 1930 over seventeen thousand copies of the records were issued for which \$9,601.00 were received and paid to the State Treasurer. Approximately seven thousand of the copies were issued to widows, veterans and veteran's organizations for compensation and other pension purposes; for children to enter school or procure employment; for enlistment in the Army or Navy of the United States, for all of which purposes no charge is made.

The registration of births, marriages and deaths is supervised in each city, borough and township of the State. Blanks for birth, marriage and death certificates, burial and transit permits and other forms are supplied by the Bureau as required by law.

During the year 1930, the Bureau received, examined, classified, indexed and permanently filed over one hundred and fifty thousand certificates of births, marriages and deaths. The annual growth of the records requires approximately two hundred cubic feet of storage space.

The Bureau yearly compiles an increasing amount of special statistical data for the use of insurance companies, chambers of commerce, students, statisticians and agencies interested in disease and accident prevention.

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DEPARTMENT OF HEALTH

GENERAL SUMMARY

	1920	1929	1930
Births registered, tabulated and indexed	76,431	68,297	68,282
Marriages registered, tabulated and indexed ...	31,327	30,257	28,499
Deaths registered, tabulated and indexed	40,820	45,746	43,190
Stillbirths registered, tabulated and indexed ...	3,221	2,767	2,647
Total records registered, tabulated and permanently filed	151,799	147,067	142,618
Searches made and certified copies issued for which fees were received	4,664	11,351	10,523
Certified copies issued and searches made in pension and other cases for which no fees were received	4,232	8,420	6,938
Fees returned to State Treasurer for searches and certified copies	\$4,051	\$10,191	\$9,601

CHARTS AND TABLES, 1930

- Table 1. Births, marriages and deaths reported, with rates, 1879-1930.
- Table 1a. Births, marriages and deaths and deaths under one year of age by counties, cities, boroughs and townships.
- Table 2. Deaths by age groups, with the percentage which each group forms of total deaths, 1930.
- Chart 1. Total deaths per 1,000 population for 52 years.
- Table 3. Deaths of infants under five years of age and percentage of total deaths, 1904-1930.
- Chart 2. Deaths under five years of age per 10,000 population for 52 years.
- Table 4. Number of births, stillbirths, deaths under one month, deaths under one year and maternal deaths with rates per 1,000 living births, 1906-1930.
- Table 5. Deaths under one year, deaths under one month, stillbirths and maternal deaths per 1,000 living births, by counties.
- Table 6. Deaths under one year, deaths under one month, stillbirths and maternal deaths per 1,000 living births in the ten largest cities of New Jersey.
- Table 7. Births, birth rates, deaths under one year and infant mortality rates (exclusive of stillbirths).
- Chart 3. Deaths from typhoid fever per 10,000 population for 52 years.
- Table 8. Comparison between typhoid fever death rates in New Jersey and the United States Registration Area, 1920-1929.
- Table 9. Typhoid fever in urban and rural districts.
- Table 10. Typhoid fever rates in the counties of New Jersey, 1921-1930.
- Chart 4. Deaths from scarlet fever per 10,000 population for 52 years.
- Chart 5. Deaths from diphtheria per 10,000 population for 52 years.
- Table 11. Average annual death rates from all causes and from tuberculosis of lungs per 10,000 inhabitants, by counties for 52 years, with rates for 1930.
- Chart 6. Deaths from tuberculosis of lungs per 10,000 population for 52 years.

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- Table 12. Cancer and other malignant tumors by sex, age periods and organ affected.
- Chart 7. Deaths from cancer and other malignant tumors, per 10,000 population for 52 years.
- Table 13. Suicide by sex, age periods and means employed.
- Table 14. Percentage of the various causes of total deaths and each sex of total in New Jersey.
- Table 15. Death rates, total, white and colored, from important causes, per 100,000 total, white and colored population in New Jersey.
- Table 16. Deaths (exclusive of stillbirths) by causes and months of death, in New Jersey.
- Table 17. Deaths (exclusive of stillbirths) from each cause of the Abridged International List, by age, sex, and color in New Jersey.
- Table 18. Deaths (exclusive of stillbirths) by causes, by days, weeks and months of the first year of life, in New Jersey.
- Table 19. Deaths (exclusive of stillbirths) under one year of age, by causes and months of death, in New Jersey.
- Table 20. Deaths from each cause, Detailed International List, in the counties of New Jersey and selected municipalities of 5,000 or more inhabitants in 1930.
- Table 21. Deaths by occupation, age groups and certain selected causes.
- Table 22. Deaths by causes, sex, color and age periods in the counties and cities having 10,000 or more inhabitants in 1930 (county figures include cities which follow):

Atlantic County—	Irvington	Long Branch
Atlantic City	Montclair	Red Bank
Pleasantville	Newark	Morris County—
Bergen County—	Nutley	Dover
Cliffside Park	Orange	Morristown
Englewood	South Orange	Ocean County—
Garfield	West Orange	Passaic County—
Hackensack	Gloucester County—	Clifton
Lodi	Hudson County—	Hawthorne
Ridgefield Park	Bayonne	Passaic City
Ridgewood	Harrison	Paterson
Rutherford	Hoboken	Salem County—
Burlington County—	Jersey City	Somerset County—
Burlington City	Kearny	Sussex County—
Camden County—	Union City	Union County—
Camden City	West New York	Elizabeth
Collingswood	Hunterdon County—	Linden
Gloucester	Mercer County—	Plainfield
Cape May County—	Trenton	Rahway
Cumberland County—	Middlesex County—	Roselle
Bridgeton	Carteret	Summit
Millville	New Brunswick	Westfield
Essex County	Perth Amboy	Warren County—
Belleville	South River	Phillipsburg
Bloomfield	Monmouth County—	
East Orange	Asbury Park	

Population—The estimated mid-year population of the State for 1930 was 4,062,930. This figure was obtained by the arithmetical method, using the United States census figures for 1920 and 1930. The estimated population of the counties and incorporated municipalities of the State having 10,000 or more inhabitants in 1930 appears at the foot of the mortality tables for the places. It had been customary in the past to use population estimates furnished by the United States Bureau of the Census. It was necessary to discontinue this practice upon request that the population figures be not attributed to the Bureau of the Census.

Births—The number of births for 1930 was 68,282, which is equivalent to a rate of 16.8 per 1,000 inhabitants. Total births reported decreased 15 from the number for the previous year. The 1930 rate was the lowest since 1905. It is likely that a higher rate would have prevailed around 1905 had all births been reported. The low figure for 1930 is merely a continuance of the decline in evidence since 1917, when the rate was 24.9.

Marriages—The number of persons married during 1930, per thousand population, was 14.0, which rate was slightly **higher** than that for the previous year. The ease and rapidity with which marriage licenses can be secured in certain adjacent states materially affect the New Jersey rate. Economic conditions are also a considerable factor and are undoubtedly partly responsible for the gradual decline which has occurred in the marriage rate during the past ten years.

Deaths—The death rate for 1930 was 10.6. This was the lowest rate ever attained in New Jersey, the previous low was 11.4 for 1927.

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TABLE 1—POPULATION: BIRTHS, MARRIAGES AND DEATHS REPORTED WITH RATES PER 1,000 POPULATION

YEAR	Estimated Population	BIRTHS		MARRIAGES		DEATHS	
		Number of births reported	Birth rate per 1,000 population	Number of marriages	Persons married per 1,000 population	Number of deaths	Death rate per 1,000 population
1879	1,020,584	23,116	22.65	7,096	13.91	20,440	20.03
1880	1,130,892	23,680	20.94	7,963	14.08	18,067	16.77
1881	1,160,275	23,484	20.24	8,109	13.98	20,812	17.94
1882	1,189,658	23,108	19.42	8,837	14.86	25,959	21.82
1883	1,209,048	24,430	20.21	9,166	15.16	25,310	19.28
1884	1,248,224	25,263	20.20	8,968	14.37	21,716	17.40
1885	1,278,033	24,077	18.84	8,989	14.07	23,807	18.63
1886	1,310,431	25,497	19.46	12,351	18.85	22,734	17.35
1887	1,342,829	27,340	20.36	15,416	22.96	24,331	18.12
1888	1,375,227	28,074	20.41	16,025	23.31	27,173	19.76
1889	1,407,625	29,099	20.67	15,726	22.34	26,543	18.86
1890	1,441,017	30,103	20.89	15,564	21.60	28,530	19.80
1891	1,478,784	28,882	19.53	15,305	20.70	28,540	19.50
1892	1,511,653	30,627	20.26	16,082	21.28	32,685	21.62
1893	1,538,799	32,285	20.98	17,178	22.33	30,596	19.88
1894	1,578,378	33,662	21.33	16,245	20.58	30,004	19.09
1895	1,672,942	31,742	18.97	15,873	18.98	30,634	18.31
1896	1,718,548	31,207	18.16	18,370	21.38	30,767	17.90
1897	1,764,144	31,595	17.91	18,171	20.60	29,822	16.90
1898	1,810,008	32,515	17.96	13,213	14.59	27,337	15.11
1899	1,855,872	29,419	15.84	13,336	14.37	30,999	16.70
1900	1,893,669	32,270	17.13	14,611	15.51	31,474	16.62
1901	1,925,781	34,812	18.08	16,539	17.18	31,739	16.48
1902	1,967,893	35,116	17.84	18,150	18.45	31,319	15.91
1903	2,016,797	37,242	18.47	19,512	19.35	31,820	15.87
1904	2,058,909	38,751	18.82	18,919	18.38	35,298	17.14
1905	2,144,143	39,689	18.51	20,572	19.19	33,864	15.79
1906	2,196,238	42,677	19.43	21,580	19.65	35,670	16.24
1907	2,248,331	44,651	19.86	23,649	21.04	37,408	16.63
1908	2,300,427	47,405	20.61	26,155	22.74	35,597	15.47
1909	2,352,522	47,508	20.19	20,724	25.27	36,359	15.46
1910	2,537,167	53,942	21.26	27,912	22.00	39,494	15.57
1911	2,615,772	58,123	22.22	25,014	19.13	38,612	14.76
1912	2,694,377	60,073	22.30	26,821	19.91	37,772	14.02
1913	2,772,981	61,432	22.15	27,697	19.98	39,425	14.22
1914	2,851,586	65,403	22.94	28,528	20.01	39,967	14.02
1915	2,877,532	66,476	23.10	27,694	19.25	39,435	13.70
1916	2,948,016	70,211	23.82	31,169	21.15	43,376	14.71
1917	3,014,193	75,309	24.98	30,060	19.94	43,532	14.44
1918	3,080,371	74,549	24.20	23,989	15.58	60,852	19.75
1919	3,146,547	70,935	22.54	29,281	18.61	39,979	12.71
1920	3,187,767	76,431	23.97	31,327	19.65	40,820	12.80
1921	3,251,494	78,172	24.04	27,815	17.10	37,362	11.49
1922	3,315,223	74,479	22.46	27,114	16.35	40,086	12.09
1923	3,378,963	74,611	22.08	28,730	17.00	41,294	12.22
1924	3,442,695	76,530	22.22	27,601	16.03	40,531	11.77
1925	3,506,427	74,193	21.15	27,672	15.78	41,749	11.90
1926	3,570,159	72,386	20.27	28,424	15.92	44,396	12.43
1927	3,633,891	72,799	20.03	28,316	15.58	41,562	11.43
1928	3,697,623	70,076	18.95	29,120	15.75	44,555	12.04
1929	3,761,355	68,297	18.15	30,257	16.08	45,746	12.16
1930	4,062,930	67,282	16.80	28,499	14.02	43,190	10.63

DEPARTMENT OF HEALTH

TABLE 1A—BIRTHS, MARRIAGES AND DEATHS AND DEATHS UNDER ONE YEAR OF AGE BY COUNTIES, CITIES, BOROUGHS AND TOWNSHIPS, 1930

ATLANTIC COUNTY

NAME OF PLACE	Births	Marriages	Deaths	Deaths under one year
Absecon City	36	12	35	3
Atlantic City	1026	551	888	62
Brigantine City	9	3	5	1
Buena Vista Township	66	34	41	5
Corbin City	5	...	5	...
Egg Harbor City	78	40	58	6
Egg Harbor Township	36	11	33	4
Estelle Manor City	2	2	5	...
Folsom Borough	3	...	1	...
Galloway Township	57	6	34	3
Hamilton Township	45	11	34	1
Hammoncton Town	153	45	76	6
Linwood Borough	30	9	15	2
Longport Borough	3	1	3	...
Margate City	32	5	25	...
Mullica Township	26	7	15	2
Northfield City	42	4	32	1
Pleasantville City	159	81	153	11
Port Republic City	5	1	6	1
Somers Point City	37	8	28	1
Ventnor City	57	54	78	3
Weymouth Township	18	...	9	1
Total	1925	885	1579	113

BERGEN COUNTY

NAME OF PLACE	Births	Marriages	Deaths	Deaths under one year
Allendale Borough	23	5	18	...
Alpine Borough	7	2	4	...
Bergenfield Borough	144	66	67	6
Bogota Borough	91	43	77	2
Carlstadt Borough	111	46	53	6
Cliffside Park Borough	282	76	116	10
Closter Borough	37	15	29	4
Cresskill Borough	42	13	26	2
Demarest Borough	12	6	10	2
Dumont Borough	93	30	49	3
East Paterson Borough	83	31	42	4
East Rutherford Borough	104	57	77	10
Edgewater Borough	38	46	49	4
Emerson Borough	30	7	11	...
Englewood City	285	179	161	11
Englewood Cliffs Borough	6	2	6	1
Fair Lawn Borough	125	33	39	7
Fairview Borough	146	103	64	8
Fort Lee Borough	125	60	90	4
Franklin Lakes Borough	14	3	5	...
Garfield Borough	584	102	213	34
Glen Rock Borough	64	15	40	1
Hackensack City	461	236	256	18
Harrington Park Borough	16	3	7	...
Hasbrouck Heights Borough	77	33	47	8
Haworth Borough	14	3	8	...
Hillsdale Borough	53	8	27	...
Hohokus Borough	16	13	6	...
Hohokus Township	54	16	30	6
Leonia Borough	62	23	30	1
Little Ferry Borough	87	30	24	2
Lodi Borough	266	90	96	18
Lodi Township	22	2	13	3
Lyndhurst Township	323	98	122	7
Maywood Borough	53	18	27	2
Midland Park Borough	76	38	43	3
Montvale Borough	16	5	11	1
Moonachie Borough	19	11	9	...
New Milford Borough	38	18	29	2
North Arlington Borough	171	42	72	10
Northvale Borough	19	12	6	...
Norwood Borough	27	6	12	1

BUREAU OF VITAL STATISTICS

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BERGEN COUNTY—Continued

NAME OF PLACE	Births	Marriages	Deaths	Deaths under one year
Oakland Borough	16	1	8	...
Old Tappan Borough	8	2	7	1
Oradell Borough	30	11	35	2
Palisade Park Borough	133	56	69	10
Paramus Borough	34	5	34	2
Park Ridge Borough	30	23	20	1
Ramsey Borough	33	25	38	3
Ridgefield Borough	63	33	56	2
Ridgefield Park Borough	146	73	107	3
Ridgewood Village	121	80	125	8
River Edge Borough	36	10	36	3
Rivervale Township	13	3	10	1
Rochelle Park Township	34	14	29	2
Rockleigh Borough	...	...	3	...
Rutherford Borough	163	72	143	3
Saddle River Borough	6	4	7	...
Saddle River Township	31	10	15	...
Teaneck Township	276	54	137	9
Tenafly Borough	93	37	47	2
Teterboro Borough	1	...	1	...
Upper Saddle River Borough	1	1	2	...
Waldwick Borough	24	2	23	1
Wallington Borough	174	14	66	11
Washington Township	9	3	2	...
Westwood Borough	69	29	43	3
Woodcliffe Lake Borough	10	4	10	...
Woodridge Borough	85	28	25	2
Wyckoff Township	40	15	30	5
Total	5985	2257	3252	275

BURLINGTON COUNTY

NAME OF PLACE	Births	Marriages	Deaths	Deaths under one year
Bass River Township	8	3	13	2
Beverly City	49	23	38	3
Bordentown City	79	46	67	4
Bordentown Township	8	1	8	1
Burlington City	206	72	136	8
Burlington Township	38	2	25	2
Chester Township	110	16	43	3
Chesterfield Township	20	2	21	1
Cinnaminson Township	34	9	27	2
Delanco Township	33	8	23	...
Delran Township	31	9	17	3
Eastampton Township	6	...	4	2
Edgewater Park Township	11	3	8	...
Evesham Township	28	5	31	1
Fieldsboro Borough	13	1	4	3
Florence Township	143	31	76	7
Hainesport Township	17	...	11	...
Lumberton Township	17	2	11	1
Mansfield Township	24	11	27	1
Medford Township	59	5	43	5
Moorestown Township	106	28	66	5
Mount Laurel Township	29	2	22	2
New Hanover Township	14	3	12	3
Northampton Township	123	43	106	6
North Hanover Township	9	5	12	2
Palmyra Borough	31	20	56	6
Pemberton Borough	8	8	17	1
Pemberton Township	21	6	17	1
Riverside Township	152	41	64	5
Riverton Borough	31	14	18	2
Shamong Township	8	...	7	...
Southampton Township	30	5	30	4
Springfield Township	18	5	11	2
Tabernacle Township	11	2	1	...
Washington Township	15	1	13	1
Westampton Township	6	3	3	...
Willingsboro Township	6	1	6	...
Woodland Township	12	2	10	2
Wrightstown Borough	8	...	5	...
Total	1627	433	1109	91

DEPARTMENT OF HEALTH

CAMDEN COUNTY

NAME OF PLACE	Births	Marriages	Deaths	Deaths under one year
Audubon Borough	115	24	82	9
Barrington Borough	42	7	15	1
Bellmawr Borough	23	1	12	3
Berlin Borough	43	25	25	2
Berlin Township	26	9	12	3
Brooklawn Borough	38	4	13	1
Camden City	2111	755	1366	159
Chesilhurst Borough	6	...	3	...
Clementon Borough	40	3	36	5
Collingswood Borough	170	69	137	5
Delaware Township	70	6	43	5
Gibbsboro Borough	16	3	4	2
Gloucester City	262	65	162	21
Gloucester Township	74	21	58	7
Haddonfield Borough	124	88	121	7
Haddon Heights Borough	51	40	70	3
Haddon Township	96	29	70	7
HiNella Borough	4	...	...	...
Laurel Springs Borough	23	7	16	2
Lawnside Borough	28	7	20	3
Lindenwold Borough	42	4	19	1
Magnolia Borough	25	5	15	...
Merchantville Borough	118	35	62	4
Mount Ephraim Borough	47	9	20	1
Oaklyn Borough	71	8	26	...
Pensauken Township	254	30	130	15
Pine Hill Borough	21	5	14	2
Pine Valley Borough	...	...	...	...
Runnemede Borough	56	16	19	2
Somerdale Borough	27	...	13	2
Stratford Borough	11	3	9	...
Tavistock Borough	...	1	...	...
Voorhees Township	27	2	11	...
Waterford Township	55	17	38	4
Winslow Township	89	8	45	6
Woodlynne Borough	47	4	23	1
Total	4252	1260	2710	283

CAPE MAY COUNTY

NAME OF PLACE	Births	Marriages	Deaths	Deaths under one year
Avalon Borough	7	...	5	...
Cape May City	34	32	46	2
Cape May Point Borough	1	1	1	...
Dennis Township	29	2	25	2
Lower Township	17	7	20	...
Middle Township	50	25	56	...
North Wildwood City	25	5	31	...
Ocean City	97	46	59	4
Sea Isle City	11	6	5	...
South Cape May Borough	...	...	...	...
Stone Harbor Borough	10	3	9	1
Upper Township	27	11	22	1
West Cape May Borough	10	...	12	...
West Wildwood City	3	...	2	...
Wildwood City	74	48	69	5
Wildwood Crest Borough	8	3	8	...
Woodbine Borough	22	4	15	2
Total	425	193	385	17

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CUMBERLAND COUNTY

NAME OF PLACE	Births	Marriages	Deaths	Deaths under one year
Bridgeton City	270	103	244	23
Commercial Township	53	18	49	1
Deerfield Township	27	5	16	1
Downe Township	26	15	31	...
Fairfield Township	36	11	30	4
Greenwich Township	21	4	9	...
Hopewell Township	31	8	27	...
Landis Township	74	78	136	13
Lawrence Township	31	10	20	2
Maurice River Township	25	3	36	...
Millville City	240	80	187	15
Shiloh Borough	6	...	11	2
Stow Creek Township	13	1	12	...
Upper Deerfield Township	33	8	16	1
Vineland Borough	232	67	92	10
Total	1118	411	916	72

ESSEX COUNTY

NAME OF PLACE	Births	Marriages	Deaths	Deaths under one year
Belleville Town	466	161	251	24
Bloomfield Town	715	228	355	24
Caldwell Borough	64	36	102	7
Caldwell Township	5	1	7	...
Cedar Grove Township	31	7	19	1
East Orange City	978	385	661	36
Essex Fells Borough	10	8	10	...
Glen Ridge Borough	76	32	58	3
Irvington Town	941	291	492	37
Livingston Township	61	13	28	3
Maplewood Township	339	81	181	11
Millburn Township	113	34	76	5
Montclair Town	613	264	388	22
Newark City	8252	4661	5344	469
North Caldwell Borough	9	1	9	1
Nutley Town	347	91	174	14
Orange City	732	289	406	34
Roseland Borough	6	8	7	...
South Orange Village	162	52	130	8
Verona Borough	120	30	72	5
West Caldwell Borough	38	8	25	2
West Orange Town	380	101	215	15
Total	14463	6782	9010	721

GLOUCESTER COUNTY

NAME OF PLACE	Births	Marriages	Deaths	Deaths under one year
Clayton Borough	39	20	23	...
Deptford Township	58	9	32	2
East Greenwich Township	41	15	15	1
Elk Township	28	3	7	1
Franklin Township	54	14	88	1
Glassboro Borough	80	41	65	7
Greenwich Township	59	4	17	7
Harrison Township	18	11	29	2
Logan Township	23	3	16	1
Mantua Township	53	10	34	3
Monroe Township	59	16	43	5
National Park Borough	44	6	25	3
Newfield Borough	19	4	10	1
Paulsboro Borough	159	35	60	10
Pitman Borough	59	31	74	3
South Harrison Township	10	4	5	1
Swedesboro Borough	53	24	29	5
Washington Township	23	8	19	...
Wenonah Borough	12	8	15	1
West Deptford Township	82	10	24	5
Westville Borough	57	11	46	3
Woodbury City	135	62	109	8
Woodbury Heights Borough	17	5	11	...
Woolwich Township	14	1	4	...
Total	1196	355	750	70

DEPARTMENT OF HEALTH

HUDSON COUNTY

NAME OF PLACE	Births	Marriages	Deaths	Deaths under one year
Bayonne City	1593	543	764	85
East Newark Borough	41	9	25	1
Guttenberg Town	112	45	61	3
Harrison Town	291	130	168	14
Hoboken City	899	985	762	68
Jersey City	5641	2647	3783	421
Kearny Town	682	230	364	38
North Bergen Township	688	161	367	30
Secaucus Borough	119	58	70	10
Union City	864	704	603	44
Weehawken Township	187	325	144	11
West New York Town	665	527	308	24
Total	11782	6364	7419	749

HUNTERDON COUNTY

NAME OF PLACE	Births	Marriages	Deaths	Deaths under one year
Alexandria Township	21	2	10	...
Bethlehem Township	7	...	11	3
Bloombsbury Borough	14	5	12	1
Califon Borough	6	8	10	2
Clinton Town	11	5	18	2
Clinton Township	17	7	28	1
Delaware Township	24	4	21	2
East Amwell Township	16	5	15	2
Flemington Borough	33	14	37	1
Franklin Township	12	4	19	...
Frenchtown Borough	14	10	25	1
Glen Gardner Borough	4	3	8	...
Hampton Borough	11	3	10	...
High Bridge Borough	25	14	32	...
Holland Township	15	3	8	1
Kingwood Township	18	2	21	6
Lambertville City	76	20	50	5
Lebanon Borough	15	5	8	...
Lebanon Township	16	4	11	1
Milford Borough	18	4	13	2
Raritan Township	20	4	11	1
Readington Township	28	8	41	2
Stockton Borough	3	5	11	1
Tewksbury Township	18	7	18	...
Union Township	13	4	6	...
West Amwell Township	11	1	11	...
Total	475	151	465	34

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MERCER COUNTY

NAME OF PLACE	Births	Marriages	Deaths	Deaths under one year
East Windsor Township	7	1	8	...
Ewing Township	183	13	77	8
Hamilton Township	570	103	270	93
Hightstown Borough	48	29	47	3
Hopewell Borough	12	9	18	...
Hopewell Township	50	9	59	8
Lawrence Township	103	15	57	7
Pennington Borough	14	7	22	1
Princeton Borough	137	60	84	6
Princeton Township	49	1	18	2
Trenton City	2243	661	1415	175
Washington Township	13	2	25	...
West Windsor Township	25	4	16	1
Total	3457	914	2116	247

MIDDLESEX COUNTY

NAME OF PLACE	Births	Marriages	Deaths	Deaths under one year
Carteret Borough	242	69	100	24
Cranbury Township	22	9	17	...
Dunellen Borough	89	49	69	3
East Brunswick Township	37	12	20	2
Helmetta Borough	9	11	4	1
Highland Park Borough	157	50	83	11
Jamesburg Borough	37	24	18	2
Madison Township	45	18	21	1
Metuchen Borough	107	33	69	8
Middlesex Borough	50	5	24	3
Milltown Borough	63	18	23	...
Monroe Township	21	...	16	1
New Brunswick City	620	324	407	42
North Brunswick Township	70	31	29	2
Perth Amboy City	749	340	404	38
Piscataway Township	98	16	64	5
Plainsboro Township	12	8	6	...
Raritan Township	183	26	79	12
Sayreville Borough	171	45	113	13
South Amboy City	137	68	100	10
South Brunswick Township	42	3	23	...
South Plainfield Borough	86	23	29	8
South River Borough	196	75	80	8
Spotswood Borough	13	2	11	2
Woodbridge Township	499	93	230	32
Total	3753	1347	2039	223

DEPARTMENT OF HEALTH

MONMOUTH COUNTY

NAME OF PLACE	Births	Marriages	Deaths	Deaths under one year
Allenhurst Borough	6	2	10	1
Allentown Borough	12	12	16	3
Asbury Park City	201	183	214	17
Atlantic Township	7	2	11	1
Atlantic Highlands Borough	50	30	29	3
Avon Borough	14	12	7	...
Belmar Borough	60	26	43	2
Bradley Beach Borough	45	32	36	1
Brielle Borough	11	3	9	1
Deal Borough	12	13	17	1
Eatontown Borough	26	12	26	3
Englishtown Borough	21	6	12	1
Fair Haven Borough	22	11	28	3
Farmingdale Borough	26	5	11	...
Freehold Borough	133	59	86	8
Freehold Township	30	4	26	4
Highlands Borough	36	17	23	...
Holmdel Township	16	3	12	...
Howell Township	20	8	29	1
Interlaken Borough	10	1	7	...
Keansburg Borough	37	34	35	2
Keyport Borough	78	53	66	6
Little Silver Borough	16	1	9	1
Long Branch City	297	119	243	18
Manalapan Township	15	6	16	3
Manasquan Borough	32	29	29	2
Marlboro Township	18	5	22	...
Matawan Borough	47	20	32	4
Matawan Township	38	3	16	1
Middletown Township	168	62	115	5
Millstone Township	16	2	8	2
Monmouth Beach Borough	7	2	8	...
Neptune Township	182	54	187	10
Neptune City Borough	56	5	18	3
Ocean Township	49	9	41	2
Oceanport Borough	11	9	15	...
Raritan Township	23	2	19	2
Red Bank Borough	192	99	167	9
Rumson Borough	42	21	34	2
Sea Bright Borough	11	6	11	1
Sea Girt Borough	4	2	3	...
Shrewsbury Borough	11	10	12	...
Shrewsbury Township	19	3	14	2
South Belmar Borough	20	3	11	2
Spring Lake Borough	27	15	24	2
Spring Lake Heights Borough	10	2	12	1
Union Beach Borough	32	2	19	2
Upper Freehold Township	23	...	19	3
Wall Township	54	22	36	4
West Long Branch Borough	34	5	22	3
Total	2267	1046	1915	142

BUREAU OF VITAL STATISTICS

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MORRIS COUNTY

NAME OF PLACE	Births	Marriages	Deaths	Deaths under one year
Boonton Town	109	53	77	7
Boonton Township	8	1	5	...
Butler Borough	44	21	34	1
Chatham Borough	74	31	35	4
Chatham Township	9	2	7	...
Chester Borough	5	4	7	1
Chester Township	17	4	10	1
Denville Township	40	11	23	1
Dover Town	140	70	107	5
East Hanover Township	4	2	8	...
Florham Park Borough	4	1	11	...
Hanover Township	61	18	31	2
Harding Township	11	5	9	...
Jefferson Township	29	4	18	4
Kinnelon Borough	5	1	3	...
Lincoln Park Borough	27	5	18	4
Madison Borough	190	54	99	9
Mendham Borough	28	16	19	3
Mendham Township	11	9	9	2
Mine Hill Township	21	5	15	3
Montville Township	42	14	36	5
Morris Plains Borough	61	20	24	5
Morristown Town	245	146	214	15
Morris Township	71	20	63	2
Mountain Lakes Borough	11	18	20	1
Mount Arlington Borough	10	2	3	1
Mount Olive Township	12	5	8	...
Netcog Borough	46	16	21	4
Parsippany-Troy Hills Township	19	18	43	3
Passaic Township	52	14	33	3
Pequannock Township	33	4	15	1
Randolph Township	26	11	22	3
Riverdale Borough	18	3	10	1
Rockaway Borough	78	36	36	5
Rockaway Township	45	...	32	6
Roxbury Township	58	18	41	3
Washington Township	25	4	25	2
Wharton Borough	66	17	39	3
Total	1755	683	1230	110

OCEAN COUNTY

NAME OF PLACE	Births	Marriages	Deaths	Deaths under one year
Barneget City Borough	4	2	1	...
Bay Head Borough	7	5	5	...
Beach Haven Borough	16	8	9	1
Beachwood Borough	9	1	5	...
Berkeley Township	11	2	10	1
Brick Township	17	1	21	1
Dover Township	86	48	49	5
Eagleswood Township	13	5	9	...
Harvey Cedars Borough	1	...	...	...
Island Heights Borough	2	2	6	2
Jackson Township	17	4	16	...
Lacey Township	5	4	20	1
Lakehurst Borough	19	2	11	...
Lakewood Township	119	61	110	8
Lavalette Borough	6	2	3	...
Little Egg Harbor Township	6	...	9	1
Long Beach Township	1	...	2	...
Manchester Township	10	...	6	...
Mantoloking Borough	1	...	1	...
Ocean Township	4	5	5	...
Ocean Gate Borough	5	1	7	...
Pine Beach Borough	1	1	4	...
Plumstead Township	22	7	29	5
Point Pleasant Borough	52	11	36	2
Point Pleasant Beach Borough	4	14	21	...
Seaside Heights Borough	9	4	7	...
Seaside Park Borough	12	5	6	...
Ship Bottom-Beach Arlington Borough	4	1	3	...
South Toms River Borough	12	5	5	1
Stafford Township	17	4	15	1
Surf City Borough	...	...	...	...
Tuckerton Borough	26	8	14	2
Union Township	20	7	13	...
Total	538	220	458	31

DEPARTMENT OF HEALTH

PASSAIC COUNTY

NAME OF PLACE	Births	Marriages	Deaths	Deaths under one year
Bloomington Borough	47	22	22	3
Clifton City	747	160	343	44
Haledon Borough	78	30	51	6
Hawthorne Borough	199	62	95	13
Little Falls Borough	82	34	46	5
North Haledon Borough	33	7	14	1
Passaic City	928	681	542	50
Paterson City	2326	1161	1463	115
Pompton Lakes Borough	53	17	26	...
Prospect Park Borough	111	44	42	5
Ringwood Borough	27	2	15	5
Totowa Borough	62	11	26	1
Wanaque Borough	54	26	38	6
Wayne Township	69	21	53	2
West Milford Township	35	9	15	1
West Paterson Borough	50	13	32	4
Total	4901	2300	2823	261

SALEM COUNTY

NAME OF PLACE	Births	Marriages	Deaths	Deaths under one year
Alloway Township	34	8	25	3
Elmer Borough	19	14	18	1
Elsinboro Township	8	1	6	...
Lower Alloways Creek Township	14	4	13	...
Lower Penns Neck Township	59	7	45	10
Mannington Township	18	4	27	1
Oldmans Township	29	10	20	1
Penns Grove Borough	101	34	66	6
Pilesgrove Township	20	7	17	2
Pittsgrove Township	28	4	21	3
Quinton Township	28	3	17	5
Salem City	117	45	115	8
Upper Penns Neck Township	68	15	35	2
Upper Pittsgrove Township	28	9	25	2
Woodstown Borough	34	13	32	2
Total	605	178	482	46

SOMERSET COUNTY

NAME OF PLACE	Births	Marriages	Deaths	Deaths under one year
Bedminster Township	5	6	10	...
Bernards Township	30	18	23	2
Bernardsville Borough	63	32	28	5
Bound Brook Borough	175	71	66	4
Branchburg Township	12	5	12	...
Bridgewater Township	73	6	38	5
Far Hills Borough	11	9	6	...
Franklin Township	84	14	52	6
Hillsborough Township	41	13	28	2
Manville Borough	123	40	41	7
Millstone Borough	...	4	5	1
Montgomery Township	29	4	22	1
North Plainfield Borough	145	58	109	5
North Plainfield Township	3	...	6	...
Peapack-Gladstone Borough	24	9	17	...
Raritan Borough	65	27	30	4
Rocky Hill Borough	11	4	10	1
Somerville Borough	159	66	106	10
South Bound Brook Borough	32	9	21	3
Warren Township	13	3	9	1
Watchung Borough	8	17	13	...
Total	1106	415	652	57

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SUSSEX COUNTY

NAME OF PLACE	Births	Marriages	Deaths	Deaths under one year
Andover Borough	6	3	9	...
Andover Township	15	...	2	...
Branville Borough	11	5	14	2
Byram Township	3	...	8	...
Frankford Township	25	1	16	1
Franklin Borough	86	17	26	3
Fredon Township	6	2	...	...
Green Township	5	12	5	1
Hamburg Borough	37	8	13	1
Hampton Township	10	19	5	...
Hardyston Township	17	2	13	1
Hopatcong Borough	5	...	5	...
Lafayette Township	21	4	15	...
Montague Township	1	1	5	...
Newton Town	89	24	61	2
Ogdensburg Borough	31	3	14	4
Sandyton Township	4	...	7	1
Sparta Township	29	8	21	2
Stanhope Borough	20	13	13	3
Stillwater Township	8	5	8	...
Sussex Borough	36	11	23	1
Vernon Township	19	5	12	2
Wallpack Township	...	...	4	...
Wantage Township	38	4	23	1
Total	522	147	322	25

UNION COUNTY

NAME OF PLACE	Births	Marriages	Deaths	Deaths under one year
Clark Township	15	6	12	2
Cranford Township	171	48	86	5
Elizabeth City	2062	899	1195	104
Fanwood Borough	26	3	13	3
Garwood Borough	72	12	18	2
Hillside Township	282	63	115	9
Kenilworth Borough	43	7	21	2
Linden City	420	96	180	27
Mountainside Borough	13	3	13	1
New Providence Borough	37	9	10	...
New Providence Township	19	8	11	...
Plainfield City	625	248	375	25
Rahway City	301	102	183	12
Roselle Borough	207	74	105	8
Roselle Park Borough	132	48	69	6
Scotch Plains Township	79	22	52	4
Springfield Township	84	16	45	7
Summit City	226	85	130	13
Union Township	307	40	136	12
Westfield Town	262	96	141	9
Total	5383	1885	2910	251

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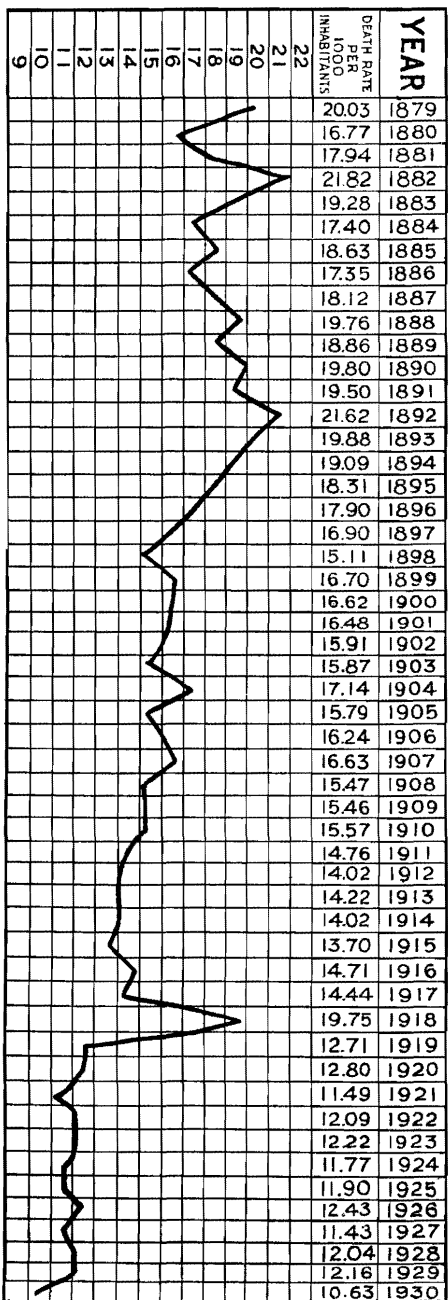
WARREN COUNTY

NAME OF PLACE	Births	Marriages	Deaths	Deaths under one year
Allamuchy Township	9	...	6	1
Alpha Borough	59	13	23	3
Belvidere Town	17	12	32	1
Blairstown Township	12	4	22	1
Franklin Township	27	5	23	4
Frelinghuysen Township	12	...	7	1
Greenwich Township	22	7	14	...
Hackettstown Town	34	13	57	5
Hardwick Township	5	...	...	...
Harmony Township	23	3	11	...
Hope Township	6	1	11	...
Independence Township	18	28	16	...
Knowlton Township	11	11	16	...
Liberty Township	3	...	2	...
Lopatcong Township	21	2	7	1
Mansfield Township	12	7	20	...
Oxford Township	29	12	27	2
Pahaquarry Township	1	...	1	...
Phillipsburg Town	321	95	227	22
Pohatcong Township	18	8	24	3
Washington Borough	57	40	77	3
Washington Township	19	2	15	1
White Township	12	5	10	4
Total	745	268	648	52
State Total	68282	28499	43190	3870

TABLE 2.—TOTAL DEATHS BY AGE PERIODS SHOWING PERCENTAGE OF TOTAL DEATHS—1930

	AGE PERIODS																	
	Total	Under 1 year	1 year	2 years	3 years	4 years	Under 5 years	5 to 9	10 to 19	20 to 29	30 to 39	40 to 49	50 to 59	60 to 69	70 to 79	80 to 89	90 and over	Unknown
Deaths	43,190	3,870	586	294	247	208	5,205	759	1,445	2,251	3,172	4,735	6,588	8,048	7,083	3,379	523	2
Percentage of total..	100.0	9.0	1.3	0.7	0.6	0.5	12.1	1.8	3.3	5.2	7.3	11.0	15.3	18.6	16.4	7.8	1.2	..

CHART 1--Total Deaths per 1,000 Population for 52 Years



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Infant Mortality—The infant mortality rate for 1930 was 56.6 per 1,000 babies born alive. This was the lowest rate ever attained in New Jersey and compares with 65.6 for 1928 and 60.2 for the preceding year. Reference to Table 4 will show the great decrease in the infant death rate in New Jersey since more extensive baby welfare work was undertaken. *Colored Races*—The infant mortality rate among the colored people of New Jersey for 1930 was 99.8 compared with a rate of 105.4 for the previous year. The colored races have shown high mortality rates ever since vital statistics were first collected and analyzed.

Maternal Mortality—This rate for 1930 was 5.7, which compares with 5.3 for the previous year. It is regrettable that a decrease comparable to the infant mortality decline is not shown in deaths due to maternity. The colored maternal mortality rate was 8.6.

Stillbirths—The number of stillbirths reported for 1930 was 2,647, which compares with 2,767 for the previous year. The 1930 figure is equivalent to a rate of 38.7 per 1,000 living births, with the rate for the colored population 68.1.

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TABLE 3—NUMBER OF DEATHS AT ALL AGES, UNDER ONE YEAR OF AGE AND UNDER FIVE YEARS OF AGE, AND THEIR PERCENTAGES OF TOTAL DEATHS

CALENDAR YEAR	DEATHS IN NEW JERSEY				
	All Ages	Under one year		Under five years	
		Number	Percentage of Total	Number	Percentage of Total
1904	35,298	7,472	21.2	10,927	31.0
1905	33,864	6,951	20.5	9,864	29.1
1906	35,670	7,773	21.8	11,246	31.5
1907	37,408	7,732	20.7	10,867	29.0
1908	35,597	7,823	22.0	10,869	30.5
1909	36,359	7,658	21.1	11,137	30.6
1910	39,494	8,352	21.1	11,648	29.5
1911	38,612	7,642	19.8	10,740	27.8
1912	37,772	7,457	19.7	10,309	27.3
1913	39,425	7,542	19.1	10,686	27.1
1914	39,967	7,431	18.6	10,278	25.7
1915	39,435	7,077	17.9	9,828	24.9
1916	43,376	7,348	16.9	11,188	25.8
1917	43,532	7,582	17.4	10,267	23.6
1918	60,852	8,372	13.8	13,709	22.5
1919	39,979	6,111	15.3	8,661	21.7
1920	40,820	6,672	16.3	9,569	23.4
1921	37,362	5,773	15.4	8,047	21.5
1922	40,086	5,864	14.6	8,371	20.9
1923	41,294	5,368	13.0	7,727	18.7
1924	40,531	5,359	15.5	7,344	21.3
1925	41,749	5,109	12.3	6,997	16.8
1926	44,396	5,090	11.5	7,442	16.8
1927	41,562	4,464	10.7	6,045	14.5
1928	44,555	4,600	10.3	6,438	14.4
1929	45,746	4,116	9.0	5,795	12.6
1930	43,190	3,870	9.0	5,205	12.1

CHART 2—DEATHS UNDER 5 YEARS OF AGE PER 10,000 TOTAL POPULATION FOR 52 YEARS

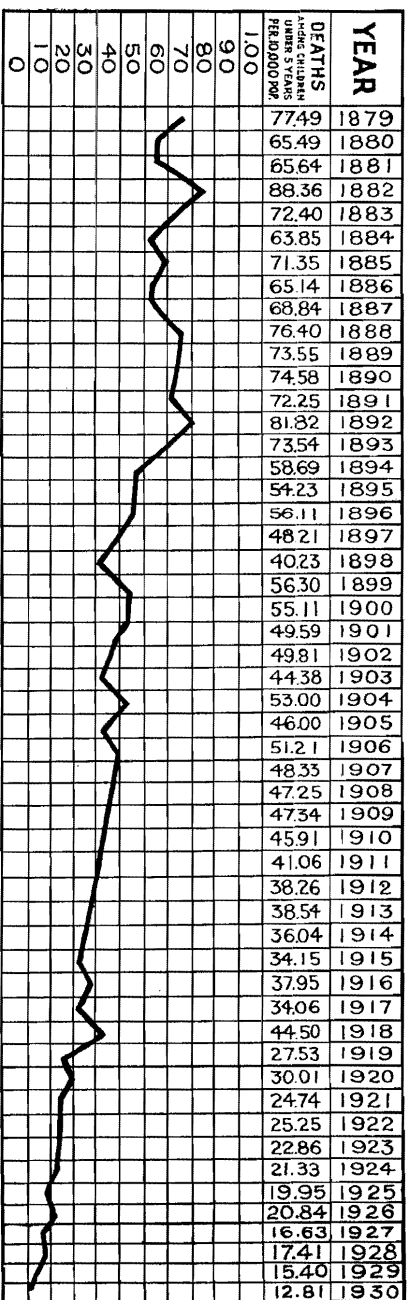


TABLE 4.—NUMBER OF BIRTHS, STILLBIRTHS, DEATHS UNDER ONE MONTH, DEATHS UNDER ONE YEAR AND MATERNAL DEATHS IN NEW JERSEY, WITH RATES PER 1,000 LIVE BIRTHS

<i>Year</i>	<i>Births Reported</i>	<i>Deaths Under 1 Year of Age</i>	<i>Rates per 1,000 Live Births</i>	<i>Deaths Under 1 Month of Age</i>	<i>Rates per 1,000 Live Births</i>	<i>Still- births</i>	<i>Rates per 1,000 Live Births</i>	<i>Maternal Deaths</i>	<i>Rates per 1,000 Live Births</i>
1906	42,677	7,773	182.1	2,545	59	....	..	322	7.5
1907	44,651	7,732	173.2	2,602	58	....	..	289	6.5
1908	47,405	7,823	165.2	2,655	56	....	..	329	6.9
1909	47,508	7,658	161.2	2,661	56	....	..	311	6.5
1910	53,942	8,352	154.8	2,801	51	....	..	377	6.9
1911	58,133	7,642	131.4	2,887	49	....	..	427	7.3
1912	60,073	7,457	124.1	2,836	47	....	..	415	6.9
1913	61,432	7,542	122.7	2,903	47	....	..	460	7.4
1914	65,403	7,431	113.6	2,995	45	....	..	416	6.3
1915	66,476	7,077	106.4	2,862	43	....	..	390	5.8
1916	70,211	7,348	104.7	3,075	43	3,221	45	383	5.4
1917	75,309	7,582	100.7	3,256	43	3,183	42	411	5.4
1918	74,549	8,372	112.3	3,175	42	3,525	47	417	5.5
1919	70,935	6,111	86.1	2,696	38	3,047	42	366	5.1
1920	76,431	6,672	87.2	2,961	38	3,221	42	472	6.1
1921	78,172	5,773	73.8	2,830	36	3,242	41	464	5.9
1922	74,479	5,864	78.7	2,773	37	3,033	40	466	6.2
1923	74,611	5,368	71.9	2,621	35	3,169	42	424	5.4
1924	76,530	5,359	70.0	2,739	35	3,177	41	466	6.0
1925	74,193	5,109	68.8	2,607	35	3,010	40	461	6.2
1926	72,386	5,090	70.3	2,537	35	3,018	41	394	5.4
1927	72,799	4,464	61.3	2,462	33	3,074	42	450	6.1
1928	70,076	4,600	65.6	2,485	35	2,864	40	406	5.7
1929	68,297	4,116	60.2	2,233	32	2,767	40	367	5.3
1930	68,282	3,870	56.6	2,107	30	2,647	38	390	5.7

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TABLE 5.—DEATHS UNDER ONE YEAR, DEATHS UNDER ONE MONTH, STILL-BIRTHS AND MATERNAL MORTALITY PER THOUSAND LIVE BIRTHS—1930

	<i>Rates per 1,000 Live Births</i>			
	<i>Deaths Under One Year</i>	<i>Deaths Under One Month</i>	<i>Stillbirths</i>	<i>Maternal Deaths</i>
New Jersey	56	30	38	5.7
Atlantic	58	33	35	5.1
Bergen	45	28	36	5.3
Burlington	55	31	31	4.3
Camden	66	34	41	9.1
Cape May	40	21	44	9.4
Cumberland	64	26	33	7.1
Essex	49	28	37	5.9
Gloucester	58	33	42	7.5
Hudson	63	33	47	5.3
Hunterdon	71	37	33	10.5
Mercer	71	41	35	6.6
Middlesex	59	31	33	4.2
Monmouth	62	33	37	9.7
Morris	62	39	37	3.4
Ocean	57	31	33	5.5
Passaic	53	29	37	5.1
Salem	76	26	46	6.6
Somerset	51	26	33	4.5
Sussex	47	21	44	3.8
Union	46	24	35	3.3
Warren	69	30	41	4.0

TABLE 6.—DEATHS UNDER ONE YEAR, DEATHS UNDER ONE MONTH, STILL-BIRTHS AND MATERNAL MORTALITY PER THOUSAND LIVE BIRTHS
IN NEW JERSEY AND TEN LARGEST CITIES—1930

	<i>Rates per 1,000 Live Births</i>			
	<i>Deaths Under One Year</i>	<i>Deaths Under One Month</i>	<i>Stillbirths</i>	<i>Maternal Deaths</i>
New Jersey	56	30	38	5.7
Newark	56	28	40	5.6
Jersey City	74	38	48	5.8

TABLE 7.—BIRTHS, BIRTH RATES, DEATHS UNDER ONE YEAR AND INFANT MORTALITY RATES (EXCLUSIVE OF STILLBIRTHS)—1930

	<i>Births (Exclusive of Still- births)</i>	<i>Birthrates per 1,000 Population</i>	<i>Deaths Under One Year</i>	<i>Infant Mortality Rates</i>
New Jersey	68,282	16.8	3,870	56
Atlantic County	1,925	15.2	113	58
Atlantic City	1,026	15.4	62	60
Hammonton	153	19.9	6	39
Pleasantville	159	13.5	11	69
Bergen County	5,985	16.2	275	45
Bergenfield	144	16.1	6	41
Cliffside Park	282	18.1	10	35
Englewood	285	15.8	11	38
Fairview	146	15.9	8	54
Fort Lee	125	14.1	4	32
Garfield	584	19.4	34	58
Hackensack	461	18.6	18	39
Lodi Borough	266	22.8	18	67
North Arlington	171	20.3	10	58
Ridgefield Park	146	13.4	3	20
Ridgewood Village	121	9.8	8	66
Rutherford Borough	163	10.8	3	18
Wallington	174	19.0	11	63
Burlington County	1,627	17.3	91	55
Bordentown City	79	17.9	4	50
Burlington City	206	18.9	8	38
Camden County	4,252	16.7	283	66
Audubon	115	12.7	9	78
Camden City	2,111	17.7	159	75
Collingswood	170	13.2	5	29
Gloucester City	262	18.9	21	80
Haddonfield	124	13.8	7	56
Cape May County	425	14.2	17	40
Cumberland County	1,118	15.9	72	64
Bridgeton	270	17.1	23	85
Millville	240	16.3	15	62
Vineland	232	30.5	10	43
Essex County	14,463	17.2	721	49
Belleville Town	466	17.1	24	51
Bloomfield	715	18.5	24	33
East Orange	978	14.2	36	36
Irvington	941	16.3	37	39
Montclair	613	14.4	22	35
Newark	8,252	18.6	469	56
Nutley	347	16.6	14	40
Orange	732	20.6	34	46

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	<i>Births (Exclusive of Still- births)</i>	<i>Birthrates per 1,000 Population</i>	<i>Deaths Under One Year</i>	<i>Infant Mortality Rates</i>
South Orange	162	11.7	8	49
West Orange	380	15.4	15	39
Gloucester County	1,196	16.7	70	58
Woodbury	135	16.4	8	59
Hudson County	11,782	17.0	749	63
Bayonne	1,593	17.8	85	53
Guttenberg	112	17.1	3	26
Harrison	291	18.6	14	48
Hoboken	899	15.1	68	75
Jersey City	5,641	17.7	421	74
Kearny	682	16.6	38	55
Secaucus	119	13.1	10	84
Union City	864	14.7	44	50
West New York	665	17.8	24	36
Hunterdon County	475	13.6	34	71
Lambertville	76	16.8	5	65
Mercer County	3,457	18.4	247	71
Princeton Borough	137	19.5	6	43
Trenton	2,243	18.1	175	78
Middlesex County	3,755	17.5	223	59
Carteret	242	18.0	24	99
Highland Park	157	17.8	11	70
New Brunswick	620	17.9	42	67
Perth Amboy	749	17.1	38	50
Sayreville	171	19.6	13	76
South Amboy	137	16.1	10	72
South River	196	18.0	8	40
Monmouth County	2,267	15.2	142	62
Asbury Park	201	13.3	17	84
Long Branch	297	16.0	18	60
Red Bank	192	16.4	9	46
Morris County	1,755	15.7	110	62
Dover	140	13.9	5	35
Madison	190	25.2	9	47
Morristown	245	16.0	15	61
Ocean County	538	16.1	31	57
Passaic County	4,901	16.1	261	53
Clifton	747	15.7	44	58
Hawthorne	199	16.5	13	65
Passaic City	928	14.7	50	53
Paterson	2,326	16.7	115	49
Salem County	605	16.4	46	76
Salem City	117	14.5	8	68
Somerset County	1,106	16.8	57	51
Bound Brook	175	23.6	4	22

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	<i>Births</i> (<i>Exclusive</i> <i>of Still-</i> <i>births</i>)	<i>Birthrates</i> <i>per 1,000</i> <i>Population</i>	<i>Deaths</i> <i>Under</i> <i>One Year</i>	<i>Infant</i> <i>Mortality</i> <i>Rates</i>
North Plainfield	145	14.7	5	34
Somerville	159	19.1	10	62
Sussex County	522	18.7	25	47
Union County	5,383	17.4	251	46
Elizabeth	2,062	17.9	104	50
Linden	420	19.5	27	64
Plainfield	625	18.0	25	40
Rahway	301	18.6	12	39
Roselle	207	15.6	8	38
Roselle Park	132	14.5	6	45
Summit	226	15.4	13	57
Westfield	262	16.4	9	34
Warren County	745	15.0	52	69
Phillipsburg	321	16.6	22	68

Typhoid Fever—The death rate for this disease (including paratyphoid) for 1930 was only 0.11 per 10,000 population, which was the lowest rate ever attained in New Jersey. That the rate was indeed low was proven by the 1929 rate of 0.42 for the United States Registration Area. The rate for the Registration Area for 1930 was not available. The number of deaths from this disease and others of the international list of causes of death by counties and cities can be obtained by referring to Table 20. Table 22 shows the more important causes by sex, color and age groups.

TABLE 8—COMPARATIVE DEATH RATES FROM TYPHOID FEVER PER 10,000 INHABITANTS, IN THE REGISTRATION AREA OF U. S. AND IN N. J. FOR 10 YEARS

	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929
Registration area of the United States.....	0.78	0.90	0.75	0.68	0.67	0.80	0.65	0.55	0.49	0.42
New Jersey	0.31	0.44	0.38	0.31	0.26	0.31	0.27	0.14	0.17	0.14

TABLE 9—URBAN AND RURAL DEATHS FROM TYPHOID FEVER—1930

1930	Estimated population	Deaths from typhoid fever	Rate per 10,000 population
State	4,062,930	46	0.11
Municipalities having 5,000 or more inhabitants in 1930	2,794,332	30	0.10
Remainder of State	1,268,598	16	0.12

CHART 3—DEATHS FROM TYPHOID FEVER PER 10,000 POPULATION FOR 52 YEARS

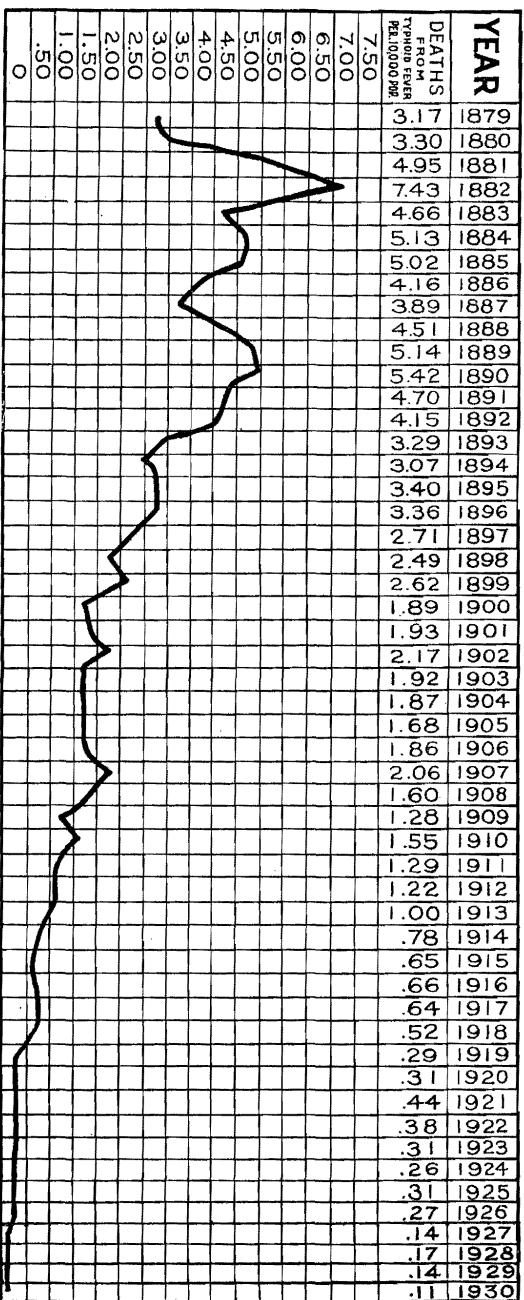


TABLE 10—DEATHS FROM TYPHOID FEVER, BY COUNTIES, PER 10,000
POPULATION, FOR 10 YEARS

COUNTIES	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930
Atlantic County	0.69	0.57	0.34	....	0.44	0.97	0.53	0.21	0.10	0.31
Bergen County	0.40	0.17	0.12	0.28	0.23	0.26	0.07	0.18	0.07	....
Burlington County	2.37	1.16	0.45	0.56	0.44	0.54	0.32	0.31	0.31	0.31
Camden County	0.40	0.49	0.19	0.42	0.36	0.35	0.08	0.47	0.20	0.19
Cape May County	0.51	....	0.51	....	0.51	1.54	....	....	....	0.33
Cumberland County	1.92	0.31	0.31	0.31	1.07	0.15	....	0.14	0.14	....
Essex County	0.17	0.21	0.22	0.26	0.13	0.16	0.15	0.09	0.13	0.08
Gloucester County	0.80	0.58	0.95	0.37	0.91	0.90	....	0.51	0.33	....
Hudson County	0.34	0.15	0.22	0.19	0.32	0.18	0.09	0.09	0.09	0.07
Hunterdon County	0.30	0.30	....	0.91	0.60	....	0.30	0.30	....	....
Mercer County	0.60	0.77	0.87	0.22	0.39	0.49	0.10	0.13	0.13	0.15
Middlesex County	0.35	0.11	0.55	0.27	0.31	0.41	0.10	0.09	0.19	0.18
Monmouth County	0.75	1.11	0.55	0.36	0.36	0.26	0.26	0.70	0.17	0.33
Morris County	0.35	0.11	0.93	....	0.34	....	0.11	0.22	....	0.08
Ocean County	0.89	....	....	0.44	....	0.88	....	....	....	0.29
Passaic County	0.30	0.25	0.14	0.21	0.24	0.06	0.03	0.10	0.23	....
Salem County	1.05	1.53	....	0.24	0.47	0.23	0.45	0.22	....	0.27
Somerset County	0.01	....	....	0.95	0.94	0.18	0.36	0.35	....	0.45
Sussex County	....	7.37	1.20	....	0.40	....	....	0.40	0.40	....
Union County	0.14	0.46	0.31	0.21	0.34	0.41	0.12	0.11	0.11	0.09
Warren County	0.44	....	....	....	....	....	....	....	....	....
The State	0.44	0.38	0.31	0.26	0.31	0.27	0.14	0.17	0.14	0.11

Malaria—As the following figures show, deaths during recent years from this affection are practically negligible in this State:

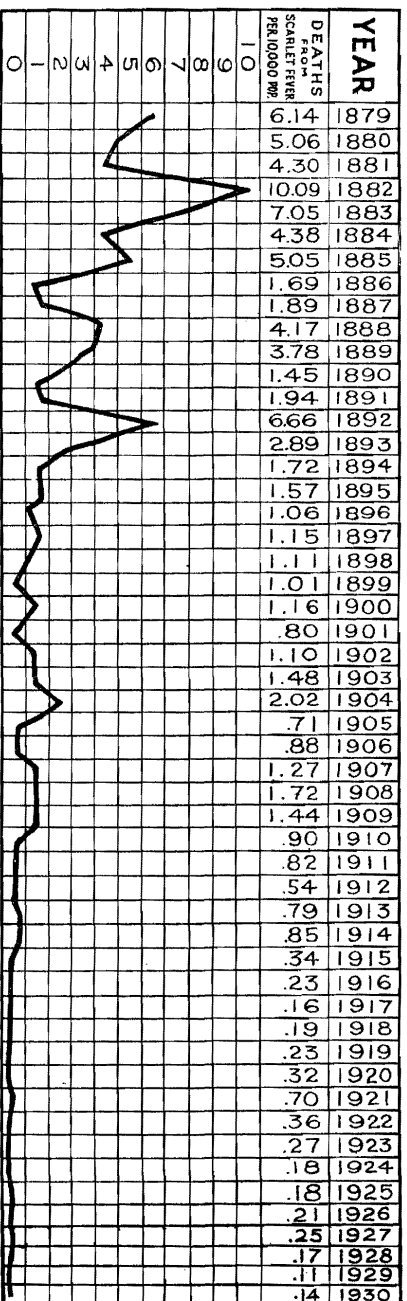
1879	268	1892	198	1905	21	1918	13
1880	293	1893	148	1906	33	1919	2
1881	431	1894	162	1907	29	1920	5
1882	379	1895	144	1908	30	1921	10
1883	290	1896	119	1909	25	1922	3
1884	230	1897	132	1910	25	1923	2
1885	209	1898	82	1911	25	1924	6
1886	243	1899	96	1912	29	1925	3
1887	217	1900	84	1913	11	1926	2
1888	264	1901	50	1914	10	1927	2
1889	203	1902	36	1915	17	1928	3
1890	195	1903	40	1916	10	1929	5
1891	180	1904	47	1917	5	1930	5

Smallpox—During 1926, 1927, 1928, 1929 and 1930, no deaths from smallpox occurred in New Jersey. During the two years previous to 1926 deaths occurred as the disease was prevalent in epidemic form in certain sections of the State.

Measles—This disease was responsible for 126 deaths in 1930, while during the preceding year only 33 deaths occurred. In 1928 there were 250 deaths from measles. Deaths by age periods follow: Under one year, 23; one year, 51; two years, 14; three years, 12; four years, 8; five to nine, 15; ten to fourteen, 1; fifteen to nineteen, 1; sixty to sixty-four, 1.

Scarlet Fever—Very little variation is noted in the death rate from this disease for the past ten years, the average rate for the period being about one-half the rate which prevailed during the previous decade.

CHART 4—DEATHS FROM SCARLET FEVER PER 10,000 POPULATION FOR 52 YEARS

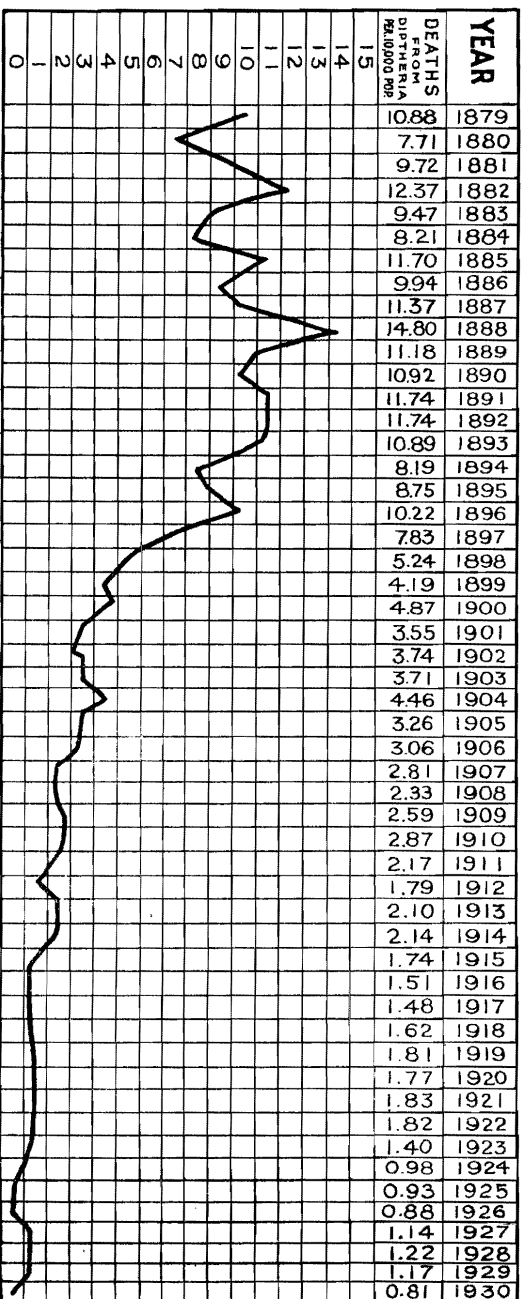


Whooping Cough—This disease caused 90 deaths in 1930, for 1929 the figure was 185, and for 1928, 183.

Diphtheria—During 1930, 331 persons died from diphtheria and laryngeal croup, which is equivalent to a rate of 0.81 per 10,000 population, compared with 1.17 for the previous year. The 1930 rate established a new low for the disease, the mortality from which is now one-tenth of that which prevailed in 1879, when records were first kept.

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CHART 5—DEATHS FROM DIPHTHERIA PER 10,000 POPULATION FOR 52 YEARS



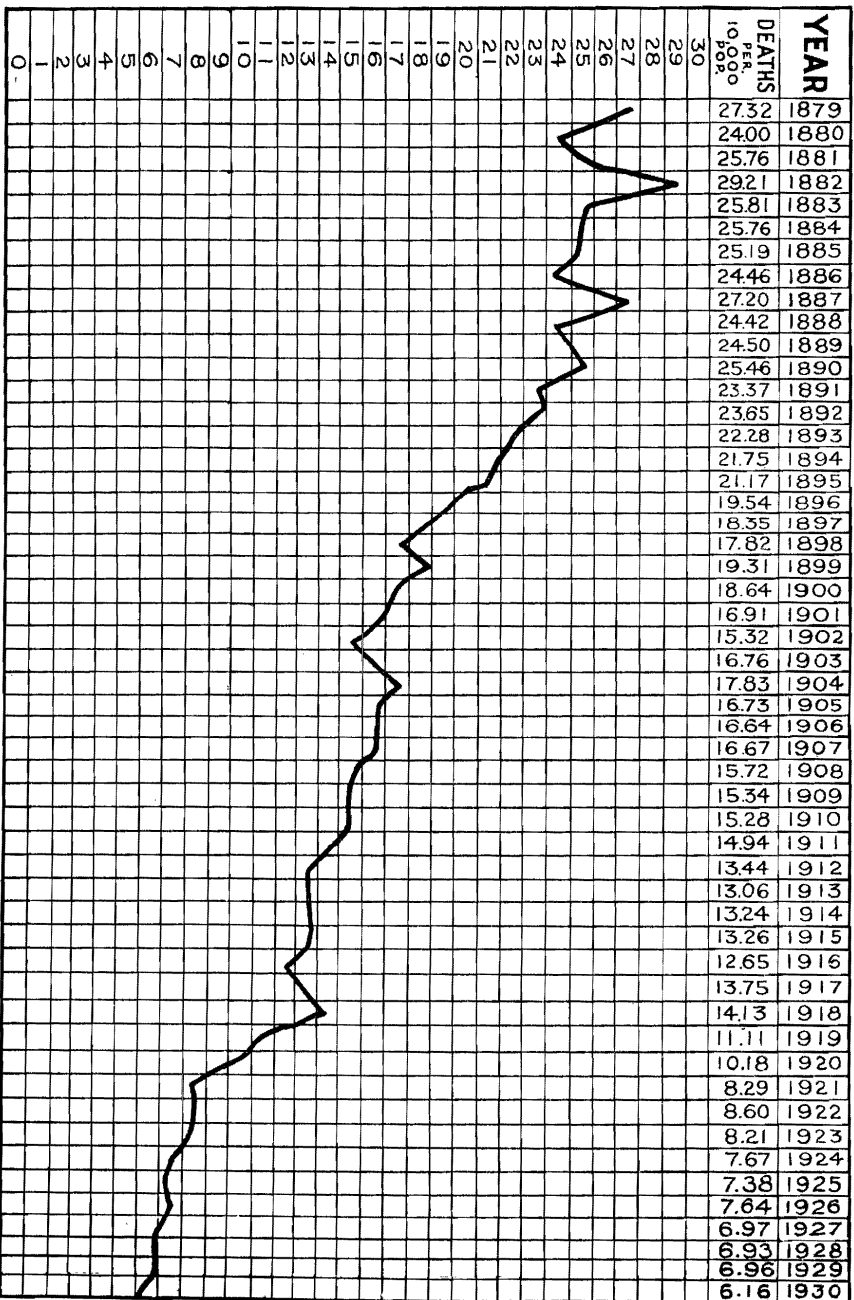
Tuberculosis—The number of deaths from all forms of tuberculosis during 1930 was 2,805 and from tuberculosis of the lungs 2,504, which figures are equivalent to rates of 6.90 and 6.16 per 10,000 inhabitants. These were the lowest tuberculosis death rates ever recorded in New Jersey.

TABLE 11.—AVERAGE ANNUAL DEATH RATES FROM ALL CAUSES AND FROM TUBERCULOSIS OF LUNGS, PER 10,000 POPULATION, FOR 52 YEARS, COMPARED WITH RATES FOR 1930

COUNTIES	Average annual death rate from all causes	Death rate from all causes, 1930	*Average annual death rate from tuberculosis of lungs	*Death rate from tuberculosis of lungs, 1930
Atlantic County	158	125	12.5	6.9
Bergen County	127	88	11.3	4.9
Burlington County	148	118	13.6	5.4
Camden County	161	106	15.6	5.5
Cape May County	144	129	10.3	3.0
Cumberland County	108	130	14.6	6.8
Essex County	153	107	17.2	7.5
Gloucester County	142	105	12.7	4.6
Hudson County	164	107	17.4	6.8
Hunterdon County	142	133	12.1	4.0
Mercer County	154	112	16.6	7.3
Middlesex County	141	95	11.9	5.6
Monmouth County	153	129	12.8	5.8
Morris County	122	110	14.6	5.8
Ocean County	147	137	15.2	6.8
Passaic County	145	93	13.9	4.9
Salem County	138	130	13.4	5.7
Somerset County	135	99	11.4	4.5
Sussex County	126	115	11.5	4.6
Union County	128	94	12.0	5.1
Warren County	141	131	11.3	4.6
The State	149	106	14.8	6.1

* It should be noted that these rates are for tuberculosis of the respiratory system. Rates of all forms of tuberculosis appear in the tables of the Bureau of Local Health Administration.

CHART 6—DEATHS FROM TUBERCULOSIS OF LUNGS PER 10,000 POPULATION FOR 52 YEARS

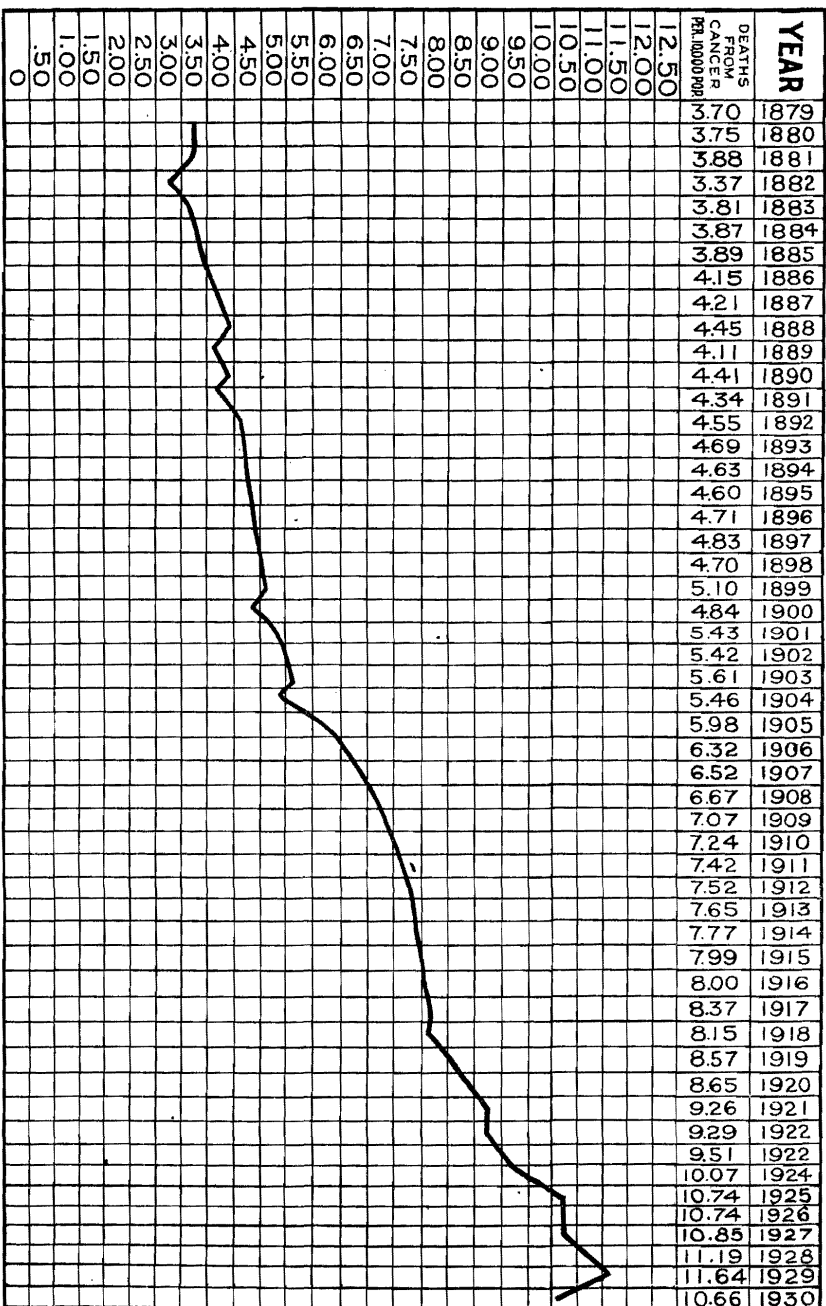


Cancer—The rate for 1930 was 10.66 per 10,000 population compared with 11.64 for the previous year. This disease, with few exceptions, has steadily increased during the fifty-two years for which there are records in New Jersey.

TABLE 12.—DEATHS IN NEW JERSEY FROM CANCER AND OTHER MALIGNANT TUMORS BY ORGAN AFFECTED, 1930

CANCER AND OTHER MALIGNANT TUMORS	AGE PERIODS																		Total
	Under 1 year	1 to 4	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 69	70 to 79	80 to 89	90 and over		
Buccal Cavity—																			
Male								2	3	2	9	19	17	31	33	5	.....	121	
Female												3	.....	1	5	4	.....	13	
Total								2	3	2	9	22	17	32	38	9	.....	134	
Stomach, Liver—																			
Male	1		1			2	1	3	7	37	45	83	136	261	152	41	.....	770	
Female					1	2	3	4	10	32	42	65	83	184	182	44	6	658	
Total	1		1		1	4	4	7	17	69	87	148	219	445	334	85	6	1428	
Peritoneum, intestines, rectum—																			
Male	1	1			1	2	6	6	7	16	21	20	46	102	75	9	2	316	
Female		1	1			3	4	9	15	18	25	39	44	117	80	40	1	397	
Total	1	2	1		1	5	10	15	22	34	46	59	90	219	155	49	3	712	
Female genital organs					1	2	7	17	41	53	71	95	64	139	74	15	1	580	
Breast—																			
Male												2	.....	1	1	.....	.....	4	
Female						1	2	10	18	33	45	67	56	116	60	21	1	430	
Total						1	2	10	18	33	45	69	56	117	61	21	1	434	
Skin—																			
Male							1	1	1	.....	1	2	8	15	23	8	1	61	
Female									1	1	2	1	1	13	6	11	.....	36	
Total							1	1	2	1	3	3	9	28	29	19	1	97	
Other organs and organs not specified—																			
Male		4	3	2	5	7	7	5	29	20	51	56	94	187	142	34	1	647	
Female		3	3	3	4	4	5	8	10	18	18	30	40	89	49	17	1	302	
Total		7	6	5	9	11	12	13	39	38	69	86	134	276	191	51	2	949	
Total Male	2	5	4	2	6	11	15	17	47	75	127	182	301	597	426	97	4	1918	
Total Female		4	4	3	6	12	21	48	95	155	203	300	288	659	456	152	10	2416	
Total Male and Female	2	9	8	5	12	23	36	65	142	230	330	482	589	1256	882	249	14	4334	

CHART 7—DEATHS FROM CANCER PER 10,000 POPULATION FOR 52 YEARS



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Encephalitis Lethargica or Sleeping Sickness—Forty-six deaths were assigned to this affection for the year 1930. In 1922, which was the first year that the disease was separately classified, there were forty-five deaths, while for 1929, 51 were recorded.

Bright's Disease—Total deaths due to acute and chronic nephritis totaled 4,137, which compares with 3,959 during the previous year.

Suicide—Deaths by this means increased considerably during the years 1926 to 1930. Poisonous gas was responsible for the most deaths with hanging and firearms in second and third places. The number of deaths by suicide for five years follow:

1926, 472; 1927, 505; 1928, 565; 1929, 622; 1930, 601.

TABLE 13.—DEATHS IN NEW JERSEY BY SUICIDE, 1930

MODE OF DEATH	AGE PERIODS													Total
	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 69	70 to 79	80 to 89	90 and over	
Solid or liquid poisons—														
Male	1		2		3	4	3	3	3	3				22
Female			1					1	1	1				4
Total	1		3		3	4	3	4	4	4				26
Corrosive substances—														
Male		2		2	1	3	4	2	3		2			19
Female		3	4	3	2		1	2		3				18
Total		5	4	5	3	3	5	4	3	3	2			37
Poisonous gas—														
Male	2	6	5	7	15	11	13	25	13	16	5	1		119
Female	1	2	4	5	6	6	4	4	8	6	5		1	52
Total	3	8	9	12	21	17	17	29	21	22	10	1	1	171
Hanging or strangulation—														
Male	2	2	6	6	9	21	18	21	12	26	4	1		128
Female			1		5	2	2	4	2	1				17
Total	2	2	7	6	14	23	20	25	14	27	4	1		145
Drowning—														
Male			3			2		1	2	7	1			16
Female			1	1	1			2	1	1	1			8
Total			4	1	1	2		3	3	8	2			24
Firearms—														
Male	5	7	9	8	8	16	11	17	9	23	6	1		120
Female		3			1	2			1	2				9
Total	5	10	9	8	9	18	11	17	10	25	6	1		129

Cutting or piercing instruments—																
Male	1	2	1	5	2	1	2	1	9	4						27
Female			1	1		1		1	1				1			6
Total	1	2	2	6	2	2	2	1	10	4			1			33
Jumping from high places—																
Male	1	1	3	1		3			3	4						16
Female			1	2	2	1	1	1	1	1						9
Total	1	1	4	3	2	4	1	1	3	5						25
Crushing—																
Male			1		1	1		1		1						5
Female							1									1
Total			1		1	1	1	1		1						6
Others—																
Male									2							2
Female						1	1		1							3
Total							1	1	2	1						5
Total Male	10	19	28	28	42	60	54	71	45	87	27	3				474
Total Female	1	8	11	11	18	12	10	16	15	16	7		2			127
Total Male and Female	11	27	39	39	60	72	64	87	60	103	34	3	2			601

AUTOMOBILE FATALITIES

During 1930 there occurred in New Jersey 1,269 deaths due to accidents in which moving automobiles were involved. The above figure includes 15 deaths due to motorcycle accidents, but is exclusive of 36 fatalities due to the inhalation of motor exhaust. The total of 1,269 deaths compares with 1,275 during the preceding year and is the first decrease shown since automobile fatalities were first separately recorded in 1923. While the number of deaths has been increasing annually the death rate per 100,000 registered motor vehicles has declined from 2.0 in 1923 to 1.6 for 1930.

Analyzed, the motor fatality figures show the death of 683 pedestrians, which number is equivalent to 53 per cent of the total. Approximately one-fourth of the pedestrians who died were children under fifteen years of age. Twenty-three per cent of the drivers and occupants of automobiles who were killed were under twenty years of age.

Collision of motor vehicles with railroad trains was responsible for 50 deaths. This is the lowest number of deaths from this type of accident since 1923. The highest number occurred in 1924 when 74 deaths took place. Collision with other automobiles, overturning and running into stationary objects were responsible for 486 deaths. Twenty-four fatalities were due to collisions with horse drawn vehicles and bicycles.

The following table shows deaths, in New Jersey, of both residents and non-residents of the State, arranged by age groups:

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MOTOR VEHICLE FATALITIES, 1930

<i>Age</i>	<i>Pedestrians Struck by Motor Vehicles</i>		<i>Deaths From Other Motor Vehicle Accidents</i>		<i>Totals</i>	
	<i>Residents</i>	<i>Non-Residents</i>	<i>Residents</i>	<i>Non-Residents</i>	<i>Residents</i>	<i>Non-Residents</i>
Under 5 years ..	41	2	7	2	48	4
5 to 9	84	2	14	2	98	4
10 to 14	35	1	17	2	52	3
15 to 19	25	1	63	12	88	13
20 to 24	12	1	84	20	96	21
25 to 29	14	6	47	18	61	24
30 to 34	22	1	39	14	61	15
35 to 39	31	5	37	15	68	20
40 to 44	27	5	39	6	66	11
45 to 49	43	2	29	6	72	8
50 to 54	47	3	23	3	70	6
55 to 59	44	4	24	6	68	10
60 to 64	66	3	14	1	80	4
65 to 69	50	6	17	3	67	9
70 and over	97	3	15	7	112	10
Totals	638	45	469	117	1107	162

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TABLE 14—PERCENTAGE OF THE VARIOUS CAUSES OF TOTAL DEATHS AND EACH SEX OF TOTAL IN NEW JERSEY—1930

Abridged International List Number	CAUSE OF DEATH	Percentage of Total	Males—Percentage of Total	Females—Percentage of Total
1	Typhoid fever	.1	60	40
2	Typhus fever .....	.....	100	.....
3	Malaria .....	.....	25	75
4	Smallpox .....	.....	.....	.....
5	Measles	.3	54	46
6	Scarlet fever	.1	53	47
7	Whooping cough	.2	51	49
8	Diphtheria and croup	.8	46	54
9	Influenza	.8	51	49
10	Asiatic cholera .....	.....	.....	.....
11	Cholera nostras .....	.....	.....	.....
12	Other epidemic diseases	.6	51	49
13	Tuberculosis of the lungs	5.8	58	42
14	Tuberculosis meningitis	.2	48	52
15	Other forms of tuberculosis	.5	52	48
16	Cancer and other malignant tumors	10.0	44	56
17	Simple meningitis	.3	61	39
18	Cerebral hemorrhage and softening	7.6	46	54
19	Organic diseases of the heart	21.7	52	48
21	Bronchitis	.4	59	41
22	Pneumonia	4.4	57	43
23	Other diseases of the respiratory system (tuberculosis and broncho pneumonia excepted)	.6	60	40
23a	Broncho pneumonia	2.9	53	47
24	Diseases of the stomach (cancer excepted)	.8	76	24
25	Diarrhoea and enteritis (under 2 years)	1.1	55	45
26	Appendicitis and typhlitis	1.4	60	40
27	Hernia, intestinal obstruction	.9	52	48
28	Cirrhosis of the liver	.8	70	30
29	Acute nephritis and Bright's disease	9.6	50	50
30	Noncancerous tumors and other diseases of the female genital organs	.5	.....	100
31	Puerperal septicæmia (puerperal fever, peritonitis) ..	.3	.....	100
32	Other puerperal accidents of pregnancy and labor ..	.6	.....	100
33	Congenital debility and malformations	4.5	59	41
34	Senility	.8	41	59
36	Suicide	1.4	78	22
35	Violent deaths (suicide excepted)	7.2	71	29
37	Other diseases	18.2	52	48
38	Unknown or ill-defined diseases	.1	52	48
Total		100.0	53.5	46.5

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TABLE 15—DEATH RATES, TOTAL, WHITE AND COLORED, FROM IMPORTANT CAUSES, PER 100,000 TOTAL, WHITE AND COLORED POPULATION IN NEW JERSEY—1930

Abridged International List Number	CAUSE OF DEATH	Total Deaths per 100,000 Population	White Deaths per 100,000 White Population	Colored Deaths per 100,000 Colored Population
1	Typhoid fever	1.1	.9	5.2
2	Typhus fever			
3	Malaria			
4	Smallpox			
5	Measles	3.1	3.0	3.7
6	Scarlet fever	1.4	1.4	.4
7	Whooping cough	2.2	1.8	8.0
8	Diphtheria and croup	8.1	8.2	6.1
9	Influenza	8.6	8.3	14.6
10	Asiatic cholera			
11	Cholera nostras			
12	Other epidemic diseases	5.9	5.7	8.5
13	Tuberculosis of the lungs	61.6	52.6	225.7
14	Tuberculosis meningitis	2.5	1.9	13.2
15	Other forms of tuberculosis	4.8	3.6	26.9
16	Cancer and other malignant tumors	106.6	108.5	72.4
17	Simple meningitis	2.7	2.5	6.1
18	Cerebral hemorrhage and softening	80.6	79.6	97.9
19	Organic diseases of the heart	230.7	228.8	266.0
21	Bronchitis	4.0	3.8	7.5
22	Pneumonia	47.0	42.9	121.1
23	Other diseases of the respiratory system (tuberculosis and broncho pneumonia excepted)	6.1	5.9	9.4
23a	Broncho pneumonia	30.4	27.7	79.5
24	Diseases of the stomach (cancer excepted)	8.7	8.6	10.8
25	Diarrhoea and enteritis (under 2 years)	11.4	10.6	25.5
26	Appendicitis and typhlitis	14.7	14.6	17.9
27	Hernia, intestinal obstruction	9.6	9.6	9.4
28	Cirrhosis of the liver	8.4	8.5	5.6
29	Acute nephritis and Bright's disease	101.8	99.6	140.5
30	Noncancerous tumors and other diseases of the female genital organs	5.4	4.7	17.5
31	Puerperal septicaemia (puerperal fever, peritonitis) ..	3.3	3.1	7.1
32	Other puerperal accidents of pregnancy and labor ...	6.2	5.8	13.2
33	Congenital debility and malformations	47.9	45.0	101.2
34	Senility	3.3	3.3	3.7
36	Suicide	14.7	15.3	5.2
35	Violent deaths (suicide excepted)	76.9	74.3	123.0
37	Other diseases	140.7	136.8	212.0
38	Unknown or ill-defined diseases	.9	.9	2.3
	Total	1063.0	1029.7	1669.0

TABLE 16.—DEATHS (EXCLUSIVE OF STILLBIRTHS) BY CAUSES AND MONTHS OF DEATH, IN NEW JERSEY—1930

Abridged International List Number	CAUSE OF DEATH	MONTH OF DEATH												
		Total	January	February	March	April	May	June	July	August	September	October	November	December
1	Typhoid fever	46	1	3	3	4	1	5	1	7	5	6	6	4
2	Typhus fever	1						1						
3	Malaria	4			1	1	1			1				
4	Smallpox													
5	Measles	126	7	9	17	18	42	14	10	1	1		3	4
6	Scarlet fever	58	8	4	11	11	6	5	1			1	6	5
7	Whooping cough	90	8	13	11	6	7	5	10	5	3	9	7	6
8	Diphtheria and croup	331	48	42	39	43	38	21	13	15	12	14	22	24
9	Influenza	351	52	57	52	50	24	12	6	5	11	21	31	30
10	Asiatic cholera													
11	Cholera nostras													
12	Other epidemic diseases	241	21	23	30	34	19	11	22	19	11	19	16	16
13	Tuberculosis of the lungs	2504	205	219	220	232	254	206	218	196	193	184	193	184
14	Tuberculosis meningitis	104	8	6	10	17	8	8	16	8	6	9	2	6
15	Other forms of tuberculosis	197	17	15	14	21	17	25	22	15	12	10	10	19
16	Cancer and other malignant tumors	4334	360	328	352	330	379	384	409	364	327	402	347	343
17	Simple meningitis	113	11	14	12	7	9	13	9	7	8	7	12	4
18	Cerebral hemorrhage and softening	3276	291	270	328	294	296	259	250	260	229	228	268	303
19	Organic diseases of the heart	9376	903	888	876	877	801	691	705	655	627	735	779	839
20	Bronchitis	186	19	24	27	13	15	12	7	9	9	12	10	9
21	Pneumonia	1911	259	270	279	262	183	82	62	53	61	101	127	172
22	Other diseases of the respiratory system (tuberculosis and broncho pneumonia excepted)	249	19	31	19	28	14	20	17	17	17	16	23	28
23	Broncho pneumonia	1237	175	168	157	147	97	57	49	50	57	91	89	100
24	Diseases of the stomach (cancer excepted)	356	33	24	33	34	40	21	26	27	29	36	27	26
25	Diarrhoea and enteritis (under 2 years)	465	23	32	28	30	33	34	38	54	73	60	30	30
26	Appendicitis and typhilitis	601	52	52	48	41	59	69	46	47	37	47	50	33
27	Hernia, intestinal obstruction	391	41	29	24	32	32	28	40	39	34	32	32	28
28	Cirrhosis of the liver	342	29	27	28	25	29	26	33	24	26	32	33	30
29	Acute nephritis and Bright's disease	4137	348	353	390	402	338	317	290	314	277	347	375	386
30	Noncancerous tumors and other diseases of the female genital organs	221	19	18	18	13	23	22	20	15	16	28	16	13
31	Puerperal septicaemia (puerperal fever, peritonitis)	138	20	15	12	10	15	8	11	5	6	16	8	12
32	Other puerperal accidents of pregnancy and labor	252	16	19	19	19	31	21	20	19	18	28	21	21
33	Congenital debility and malformations	1950	179	168	179	159	186	151	155	147	150	175	157	144
34	Senility	138	13	13	7	13	11	15	7	12	11	12	14	10
35	Suicide	601	44	58	49	46	56	40	42	45	59	57	50	55
36	Violent deaths (suicide excepted)	3125	250	249	243	236	241	291	328	285	264	242	248	248
37	Other diseases	5718	573	487	511	550	507	443	434	461	399	473	440	440
38	Unknown or ill-defined diseases	40	2	6	.....	6	5	1	4	3	2	2	3	6
	Total	43190	4054	3934	4047	4020	3817	3318	3321	3184	3010	3452	3455	3578

TABLE 17—DEATHS (EXCLUSIVE OF STILLBIRTHS) FROM EACH CAUSE OF THE ABRIDGED INTERNATIONAL LIST, BY AGE, SEX, AND COLOR IN NEW JERSEY, 1930

CAUSE OF DEATH, SEX, AND COLOR		AGE PERIODS—YEARS																										
		All deaths	Under 1 year	1 year	2 years	3 years	4 years	Under 5 years	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70 to 74	75 to 79	80 to 84	85 to 89	90 and over	Age unknown	
1	All causes—	43190	3870	586	294	247	208	5205	759	542	903	1126	1125	1389	1783	2181	2554	3067	3521	4043	4005	3948	3135	2212	1167	523	2	
	Both sexes—White	39664	3376	481	264	224	191	4536	688	484	759	928	913	1152	1553	1918	2298	2773	3293	3852	3846	3826	3064	2160	1129	490	2	
	Both sexes—Colored	3526	494	105	30	23	17	669	71	58	144	198	212	237	230	263	256	294	228	191	159	122	71	52	38	33	2	
	Males—White	21224	1923	253	140	125	108	2549	392	288	414	481	471	600	877	1164	1389	1629	1898	2135	1965	1947	1470	919	453	181	2	
	Males—Colored	1917	288	56	17	11	9	381	41	28	64	99	104	130	130	151	149	173	128	106	89	65	34	19	15	11	2	
	Females—White	18440	1453	228	124	99	83	1987	296	196	345	447	442	552	676	754	909	1144	1395	1717	1881	1879	1594	1241	676	309	2	
	Females—Colored	1609	206	49	13	12	8	288	30	30	80	99	108	107	100	112	107	121	100	85	70	57	37	33	23	22	2	
	Typhoid fever—																											
	Total	46	19	1	1	1	1	1	3	1	11	5	5	3	3	5	2	3	2	1	1	1	1	1	1	1	1	1
	Males—White	19	1	1	1	1	1	1	1	1	5	2	1	2	1	3	1	3	2	1	1	1	1	1	1	1	1	1
Males—Colored	9	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Females—White	16	1	1	1	1	1	1	1	1	3	2	1	1	3	4	2	2	1	1	1	1	1	1	1	1	1	1	
Females—Colored	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
2	Typhus fever—																											
	Total	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
	Males—White	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
	Males—Colored	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
	Females—White	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
3	Females—Colored	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
	Malaria—																											
	Total	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
	Males—White	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
	Males—Colored	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
4	Females—White	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
	Females—Colored	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
	Smallpox—																											
	Total	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
	Males—White	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
	Males—Colored	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
	Females—White	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
	Females—Colored	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	

CAUSE OF DEATH, SEX, AND COLOR		AGE PERIODS—YEARS																				90 and over	Age unknown			
		All deaths	Under 1 year	1 year	2 years	3 years	4 years	Under 5 years	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69			70 to 74	75 to 79	80 to 84	85 to 89
5	Measles—																									
	Total	126	23	51	14	12	8	108	15	1	1									1						
	Males—White	65	12	23	7	7	6	55	9	1																
	Males—Colored	4	1	2	1			4																		
	Females—White	53	9	25	6	4	2	46	5		1									1						
	Females—Colored	4	1	1			1	3	1																	
6	Scarlet fever—																									
	Total	58	1	5	6	7	6	25	18	8	3	1			1				2							
	Males—White	31	1	1	4	4	5	15	10	4	1								1							
	Males—Colored																									
	Females—White	26		4	2	3	1	10	7	4	2	1				1			1							
	Females—Colored	1							1																	
7	Whooping cough—																									
	Total	90	57	20	5	4	3	89	1																	
	Males—White	35	28	3	2	1	1	35																		
	Males—Colored	11	6	3	1	1		11																		
	Females—White	38	22	13		1	1	37	1																	
	Females—Colored	6	1	1	2	1	1	6																		
8	Diphtheria and croup—																									
	Total	331	16	37	40	38	41	172	107	29	5	4	3	1	1	2	2	1	2		1	1				
	Males—White	158	5	16	16	19	22	78	56	13	3	3	1				1		2			1				
	Males—Colored	7	1	1	1	1	1	4	3																	
	Females—White	160	11	18	21	17	18	85	48	15	2	1	2	1	1	2	1	1		1						
	Females—Colored	6		2	2	1		5	1																	
9	Influenza—																									
	Total	351	44	5	4	1	4	58	14	8	8	10	6	14	20	28	18	31	26	22	27	19	16	13	11	2
	Males—White	160	20	3	2	1	3	29	9	3	3	5	3	5	10	14	7	14	14	9	15	6	6	2	5	1
	Males—Colored																									

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TABLE 17—DEATHS (EXCLUSIVE OF STILLBIRTHS) FROM EACH CAUSE OF THE ABRIDGED INTERNATIONAL LIST, BY AGE, SEX, AND COLOR
IN NEW JERSEY, 1930—Continued

CAUSE OF DEATH, SEX, AND COLOR		AGE PERIODS—YEARS																										
		All deaths	Under 1 year	1 year	2 years	3 years	4 years	Under 5 years	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70 to 74	75 to 79	80 to 84	85 to 89	90 and over	Age unknown	
21	Bronchitis—																											
	Total	166	43	8	2	3	.....	56	3	1	.....	1	1	.....	2	2	5	6	10	9	17	11	11	13	11	7	.....	
	Males—White	90	18	2	1	3	.....	24	1	1	.....	1	1	.....	2	2	4	5	4	7	14	6	4	5	4	.....		
	Males—Colored	9	5	2	.....	.....	.....	7	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....		
	Females—White	60	19	2	1	.....	.....	22	1	.....	.....	.....	.....	.....	.....	.....	1	1	4	2	3	5	4	9	5	3	.....	
	Females—Colored	7	1	2	.....	.....	.....	3	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	2	.....	.....	1	.....	.....	.....	.....		
22	Pneumonia—																											
	Total	1911	211	81	33	24	18	367	54	21	51	51	55	89	119	125	142	158	126	136	133	99	75	65	33	12	.....	
	Males—White	956	89	41	15	10	8	163	22	8	24	21	21	38	67	75	91	91	78	76	62	49	30	23	13	4	.....	
	Males—Colored	146	20	8	5	4	1	38	3	.....	5	5	8	13	12	15	9	18	4	4	5	2	4	.....	1	.....		
	Females—White	699	79	22	13	9	7	130	28	12	19	20	16	28	36	28	35	39	41	52	63	46	40	41	19	6	.....	
	Females—Colored	110	23	10	.....	1	2	36	1	1	3	5	10	10	4	7	7	10	3	4	3	2	1	1	.....	2	.....	
23a	Broncho pneumonia—																											
	Total	1237	481	122	38	20	11	672	24	10	9	13	14	20	17	26	36	40	52	60	51	61	55	42	23	12	.....	
	Males—White	560	225	46	15	10	2	298	9	2	4	2	6	7	14	18	21	19	26	30	29	26	24	17	6	2	.....	
	Males—Colored	67	49	22	4	.....	1	76	.....	1	.....	2	2	1	.....	3	5	4	1	.....	1	1	.....	.....	.....	.....		
	Females—White	569	174	42	17	8	6	247	15	7	5	6	4	10	3	3	10	15	24	29	21	33	29	23	15	10	.....	
	Females—Colored	71	33	12	2	2	2	51	.....	.....	.....	3	2	2	.....	2	.....	2	1	1	1	1	2	.....	2	.....		
23	Other diseases of the respiratory system (tuberculosis and broncho pneumonia excepted)—																											
	Total	249	11	9	5	2	2	29	7	4	8	7	10	10	20	12	14	21	18	22	13	24	9	12	6	3	.....	
	Males—White	139	7	5	3	1	2	18	4	2	5	4	4	6	13	9	9	11	15	11	6	13	3	4	1	1	.....	
	Males—Colored	12	.....	1	.....	.....	.....	1	.....	.....	.....	1	2	3	1	1	1	1	.....	2	.....	.....	.....	.....	.....	.....		
	Females—White	90	3	4	1	1	.....	9	3	2	3	3	2	2	4	2	3	7	3	9	6	11	6	8	5	2	.....	
	Females—Colored	8	1	.....	.....	.....	.....	1	.....	.....	.....	3	.....	.....	.....	1	2	.....	.....	1	.....	.....	.....	.....	.....	.....		
24	Diseases of the stomach (cancer excepted)—																											
	Total	356	15	3	2	.....	1	21	2	.....	2	10	15	21	26	34	44	46	44	33	28	11	8	7	2	2	.....	
	Males—White	257	2	2	1	.....	1	6	1	.....	1	8	11	14	21	26	37	36	32	29	17	7	7	2	.....	2	.....	
	Males—Colored	14	1	.....	.....	.....	.....	1	.....	.....	.....	1	1	1	1	2	3	.....	.....	.....	.....	.....	.....	.....	.....	.....		
	Females—White	76	8	1	1	.....	.....	10	1	.....	1	.....	3	5	3	6	4	6	12	4	10	4	1	4	2	.....		
	Females—Colored	9	4	.....	.....	.....	.....	4	.....	.....	.....	.....	1	1	1	1	1	1	.....	.....	.....	.....	.....	.....	.....	.....		

[illegible]

TABLE 17—DEATHS (EXCLUSIVE OF STILLBIRTHS) FROM EACH CAUSE OF THE ABRIDGED INTERNATIONAL LIST, BY AGE, SEX, AND COLOR
IN NEW JERSEY, 1930—Continued

CAUSE OF DEATH, SEX, AND COLOR		AGE PERIODS—YEARS																										
		All deaths	Under 1 year	1 year	2 years	3 years	4 years	Under 5 years	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70 to 74	75 to 79	80 to 84	85 to 89	90 and over	Age unknown	
32	Other puerperal accidents of pregnancy and labor—																											
	Total	252									14	47	53	49	60	26	2	1										
	Females—White	224									10	41	44	47	56	23	2	1										
	Females—Colored	28									4	6	9	2	4	3												
33	Congenital debility and malformations—																											
	Total	1950	1916	16	8	3	3	1946	4																			
	Males—White	1030	1015	7	4		2	1028	2																			
	Males—Colored	128	127		1			128																				
	Females—White	706	689	9	2	3	1	704	2																			
	Females—Colored	86	85		1			86																				
34	Senility																											
	Total	138																		4	3	9	24	32	35	31		
	Males—White	54																	1	2	3	10	13	11	14			
	Males—Colored	3																		1	2							
	Females—White	76																			4	13	18	22	16			
	Females—Colored	5																	3			1	1	2	1			
36	Suicide—																											
	Total	601									11	27	39	39	60	72	64	87	60	62	41	20	14	3		2		
	Males—White	464									9	17	27	28	41	59	54	69	44	50	36	17	10	3				
	Males—Colored	10									1	2	1	1	1	1		2	1		1							
	Females—White	126									1	8	11	11	18	12	9	16	15	12	4	3			2			
	Females—Colored	1															1											
35	Violent deaths (suicide excepted)																											
	Total	3125	38	47	31	44	94	194	182	120	195	200	175	183	228	214	220	208	168	203	155	154	128	110	58	28		
	Males—White	2037	20	25	15	22	15	97	120	87	139	142	118	137	176	165	164	151	122	130	96	82	42	42	19	6		
	Males—Colored	211	7	2		1	1	11	13	6	18	23	26	21	29	18	15	16	8	3	3	2						
	Females—White	828	9	18	16	18	17	78	44	25	37	31	24	20	28	30	40	37	37	63	53	69	84	67	39	22		
	Female—Colored	49	2	2		3	1	8	5	2	1	4	7	5	4	1	1	4	1	2	3		1					

[illegible]

TABLE 18.—DEATHS (exclusive of stillbirths) BY CAUSES, BY DAYS, WEEKS AND MONTHS OF THE FIRST YEAR OF LIFE, IN NEW JERSEY—1930

Abridged International List Number	CAUSE OF DEATH	AGE UNDER 1 YEAR, IN COMPLETED DAYS, WEEKS AND MONTHS														
		Under 1 Year	DAYS				WEEKS				MONTHS					
			Under 1	One	Two	3 to 6	Under 1	One	Two	Three	Under 1	One	Two	3 to 5	6 to 8	9 to 11
1	Typhoid fever															
2	Typhus fever															
3	Malaria															
4	Smallpox															
5	Measles	23	1				1				1				4	17
6	Scarlet fever	1												1		
7	Whooping cough	57									2	10		22	11	12
8	Diphtheria and croup	16						1			1	1		2	3	5
9	Influenza	44							3		3	4	6	15	11	9
10	Asiatic cholera															
11	Cholera nostras															
12	Other epidemic diseases	39						1	4	3	8	4	7	5	9	6
13	Tuberculosis of the lungs	4											1	2	1	
14	Tuberculosis meningitis	21										1		8	8	4
15	Other forms of tuberculosis	5										1		4		
16	Cancer and other malignant tumors	2												1		1
17	Simple meningitis	22					2	1			3	3	1	5	6	4
18	Cerebral hemorrhage and softening	6						1			1	1		3		1
19	Organic diseases of the heart	21			1		1	3		1	5	3	2	5	4	2
20	Bronchitis	43				2	2	2	1	4	9	5	3	18	4	4
21	Pneumonia	211				9	9	2	5	5	21	27	26	54	48	35
22	Other diseases of the respiratory system (tuberculosis and broncho pneumonia excepted)	11						1	1	1	3		3	1	3	1
23	Broncho pneumonia	481	2	1	4	10	17	14	15	14	60	59	58	122	108	74
24	Diseases of the stomach (cancer excepted)	15					1	2		3	6	2	1	2	4	
25	Diarrhoea and enteritis (under 2 years)	405		1		4	5	11	15	17	48	51	51	118	80	57
26	Appendicitis and typhlitis	4											1	1		
27	Hernia, intestinal obstruction	30										1	4	11	11	3
28	Cirrhosis of the liver	2										1		1		
29	Acute nephritis and Bright's disease	8										2		3	2	1
30	Noncancerous tumors and other diseases of the female genital organs															
31	Puerperal septicaemia (puerperal fever, peritonitis)															
32	Other puerperal accidents of pregnancy and labor															
33	Congenital debility and malformations	1916	812	197	142	219	1370	162	77	62	1671	97	55	60	21	12
34	Senility															
35	Suicide															
36	Violent deaths (suicide excepted)	38	3	1		3	7	1		1	9	1	5	8	6	9
37	Other diseases (exclusive of 37A)	264	7	11	10	23	51	22	10	12	95	21	23	57	42	26
37a	Other conditions peculiar to early infancy	164	73	20	15	30	138	9	7	3	157	4		3		
38	Unknown or ill-defined diseases	17	3				3	1	2		6	2		4	3	2
	Total	3870	901	232	172	300	1605	233	140	129	2107	293	257	537	389	287

TABLE 19.—DEATHS (exclusive of stillbirths) UNDER ONE YEAR OF AGE, BY CAUSES AND MONTHS OF DEATH, IN NEW JERSEY—1930.

Abridged International List Number	CAUSE OF DEATH	MONTH OF DEATH												
		Total	January	February	March	April	May	June	July	August	September	October	November	December
1	Typhoid fever													
2	Typhus fever													
3	Malaria													
4	Smallpox													
5	Measles	23	1	2	4	2	7	1	3		1			2
6	Scarlet fever	1			1									
7	Whooping cough	57	5	7	8	1	5	3	7	4	1	6	6	4
8	Diphtheria and croup	16	2	1	6	2	1	1		2				1
9	Influenza	44	7	8	9	7	2	1			2	2	2	4
10	Asiatic cholera													
11	Cholera nostras													
12	Other epidemic diseases	39	5	3	7	5	2		4	2	1	3	5	2
13	Tuberculosis of the lungs	4				1	1							2
14	Tuberculosis meningitis	21	1	1	1	2	1	1	3	3	4	3		1
15	Other forms of tuberculosis	5	1	1		1	1					1		
16	Cancer and other malignant tumors	2		1					1					
17	Simple meningitis	22	1	5	3		1	3	2	1	1	1	2	2
18	Cerebral haemorrhage and softening	6		1		1	1		1	1		1		
19	Organic diseases of the heart	21	1	5	5		1	3	1		2	1		2
21	Bronchitis	43	7	7	6	4	3	2	1	1	1	5	3	3
22	Pneumonia	211	30	42	40	28	10	6	7	6	6	10	14	12
23	Other diseases of the respiratory system (tuberculosis and broncho pneumonia excepted)	11			1	1		2		2		1	2	2
23a	Broncho pneumonia	481	72	81	67	55	35	15	16	14	18	31	32	45
24	Diseases of the stomach (cancer excepted)	15	2	2		1		1	1	2		4	1	1
25	Diarrhoea and enteritis (under 2 years)	405	19	28	23	26	31	30	30	43	65	56	26	28
26	Appendicitis and typhlitis	4				1	2				1			
27	Hernia, intestinal obstruction	30	3	1	1	3	2	2	2	4	6	5	1	
28	Cirrhosis of the liver	2				1								
29	Acute nephritis and Bright's disease	8	1	2	1					1				3
30	Noncancerous tumors and other diseases of the female genital organs													
31	Puerperal septicemia (puerperal fever, peritonitis)													
32	Other puerperal accidents of pregnancy and labor													
33	Congenital debility and malformations	1916	176	165	176	157	184	148	154	145	144	172	153	142
34	Senility													
36	Suicide													
35	Violent deaths (suicide excepted)	38	7	4	3	1	3	4	4	1	1	4	2	4
37	Other diseases (exclusive of 37a)	264	20	25	23	30	29	19	10	19	17	23	21	28
37a	Other conditions peculiar to early infancy	164	14	12	11	12	11	16	21	16	11	11	13	16
38	Unknown or ill-defined diseases	17		6		3	3		2		1		1	1
	Total	3870	375	410	396	345	336	258	270	267	283	341	284	305

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OF NEW JERSEY AND MUNICIPALITIES OF 5,000 OR MORE INHABITANTS IN 1930. (COUNTY WHICH FOLLOW): 1930

Lodi	North Arlington	Ridgefield Park	Ridgewood Village	Rutherford	Wallington	Burlington County	Bordentown	Burlington City	Camden County	Audubon	Camden City	Collingswood	Gloucester City	Haddonfield	Cape May County	Cumberland County	Bridgeton	Millsville	Vineland	Essex County	Belleville
...	...	...	...	...	...	3	...	1	5	...	2	...	...	1	1	...	...	...	...	7	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	1	...
...	1	...	...	...	...	2	...	1	5	...	3	...	...	...	...	1	...	...	...	40	5
...	...	...	...	...	...	...	...	...	4	...	...	...	...	...	...	...	...	...	...	7	1
3	2	...	...	...	1	2	...	...	4	...	12	...	...	...	2	1	...	...	...	18	1
4	...	2	6	...	...	11	...	1	26	2	16	...	3	...	4	12	4	1	1	74	1
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	52	3
...	...	...	...	1	1	...	...	...	2	...	2	...	...	...	...	1	...	...	...	2	...
...	...	...	...	...	...	...	...	...	1	...	...	1	...	...	...	...	...	...	...	1	...
...	1	1	...	1	...	1	1	...	3	...	2	...	...	...	...	...	...	...	...	17	...
...	...	...	...	...	...	1	...	...	1	...	...	...	1	...	...	...	...	...	...	2	...
1	...	...	1	...	...	...	...	...	3	...	2	...	...	1	...	...	...	...	...	13	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	19	...
...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	3	...	...	...	1	...
7	2	4	4	5	4	51	2	9	142	5	84	7	4	2	9	48	14	7	9	635	12
...	...	1	...	...	1	...	...	...	...	...	...	...	...	...	...	2	1	...	...	24	...
...	...	...	...	...	...	2	...	...	8	1	3	...	1	...	...	2	2	...	...	16	...
...	...	...	...	...	...	2	...	1	2	1	1	...	...	...	...	...	...	...	...	9	1
1	...	...	...	1	...	1	...	...	1	...	2	...	1	...	...	...	...	...	...	8	...
2	...	...	1	1	1	5	...	...	12	...	7	...	1	1	1	1	1	...	...	21	...
1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	41	1
1	...	...	...	...	...	2	...	1	4	...	1	2	...	1	...	2	2	...	...	6	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	10	...
...	...	...	...	...	...	5	...	2	8	...	3	...	1	...	...	1	...	1	...	37	1
3	3	2	2	4	1	40	2	4	85	1	41	5	5	4	10	32	10	5	4	286	5
...	...	2	3	...	...	21	1	...	38	...	17	2	3	4	3	8	2	1	...	166	4
...	1	...	2	3	1	21	2	2	39	2	22	3	4	1	6	19	2	6	3	115	2
...	...	5	1	4	...	15	2	1	21	1	11	1	2	3	4	2	1	...	1	106	4
...	...	...	...	...	...	3	...	...	4	...	...	3	1	...	2	6	1	4	1	11	...
2	3	4	5	6	1	17	1	1	53	1	28	4	2	3	9	17	6	3	1	200	4
...	...	...	...	...	...	1	...	...	5	...	3	...	...	1	...	...	...	...	...	9	1
2	...	1	...	...	...	2	1	...	5	...	3	...	...	...	1	4	2	2	...	80	...
...	...	...	...	...	...	...	...	...	4	...	1	...	...	...	1	5	1	1	1	4	...

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OF NEW JERSEY AND MUNICIPALITIES OF 5,000 OR MORE INHABITANTS IN 1930. (COUNTY WHICH FOLLOW): 1930—Continued

Hudson County	Bayonne	Guttenberg	Harrison	Hoboken	Jersey City	Kearny	Secaucus	Union City	West New York	Hunterdon County	Lambertville	Mercer County	Princeton	Trenton	Middlesex County	Carteret	Highland Park	New Brunswick	Perth Amboy	Sayreville	South Amboy
5	1			1	2		1					3		2	4			1	1		
8					3			1							1			1			
41	11			1	24	1	1	1				11		7	2		1		1		
27	3		1	2	17	1	1	1		1	1	10		4	1						
98	17		1	4	52	9		1	9	2		9		7	5	1					
71	4	1	4	8	38	1		8		2		10		5	16	2	1	1	3	17	1
3					3							1		1							
															1						1
11	1			1	5	1		1	1			6		3	4				2		
3	1			1	1			1				1		1	2			2			
8				1	3	1		1	1			2		1	4			2			2
21	6		1	1	9	2		1	1			3	2	1	3				2	1	
1				1																	
1	1											3		1							
471	59	4	10	45	259	15	3	38	17	14	3	138	4	100	121	5	5	31	28	5	6
19	4	1		1	8	2			2			5	3	3	4			1	2		1
6					5			1				7	1	5	1						
3	1				2							1		1	1		1				
2					1	1						2		2	1			1			
42	3				5	1		2				3		3	2				1		
34				4	20	2		3	1			14		12	17			9	3		
2					2							2		1							
13	1		1		6	1		2	1			4	1	2	2						
24	2			1	17	3			1	1		4	1	2	7			1	1	1	1
229	23	3	5	24	110	18	2	19	13	16	1	62	4	36	55	4		6	14		1
120	9	1	2	21	63	3		10	5	7		30	1	24	19	1	1	5	1	1	2
79	8		2	6	41	4		7		6		19		11	23		1	8	3	3	
61	6		2	7	30	4	1	4		5	1	17	1	10	18		1	5	5		1
10	1		1		7			1		2		6		5	12		1	2	3		
190	17		3	14	101	6	1	20	13	7	1	36	1	26	30	1	2	8	6	2	2
2					2							1		1							
31	6		1	2	9	1		9	1	1		6		6	10				4		1
5	2				9	2						4		3	3				1	1	

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OF NEW JERSEY AND MUNICIPALITIES OF 5,000 OR MORE INHABITANTS IN 1930. (COUNTY WHICH FOLLOW): 1930—Continued

Clifton	Hawthorne	Passaic City	Paterson	Salem County	Salem City	Somerset County	Bound Brook	North Plainfield	Somerville	Sussex County	Union County	Elizabeth	Linden	Plainfield	Rahway	Roselle	Roselle Park	Summit	Westfield	Warren County	Phillipsburg
				1	1	3	1	1			3	1	1			1					
2		4	2	1	1	1		1		1	8	5	1	1							1
2		11	10	2	1	6	1	4	1	1	5	2	1	2							
4	2	5	12	10	4	3	1			2	25	16	3	3	1	2		1	2	3	
	1										31	21	2	1	1					1	
						1				2										1	1
1			2			3	1	1				9	4	1	1	1				2	
						1					2	2	1	1					1		
			1			1					5	1	1	1	1			1			
				1							11	7	1	1	2						
1		1									2	1									
17						3					3		1							1	
2	2	30	79	21	8	30	6	2	3	13	159	79	17	12	10	4	4	7	1	23	9
										1	15	3	4	3	1	2				4	1
			1	2							2										
			3	3						1	2	2									
			1	1		2					1	1									
			1	1		1					1	1						1		3	
1		3	11	3	1	6	1		1		1	1	1	2		1	1		1	4	1
1		3	4			1		1		1	1	1								1	1
						2			1		8	3	2		1			1		1	1
2		3	2	1		1				1	9	2				1	1	1	1	1	
24	3	21	67	17	3	19	6	3	2	7	107	38	6	8	12	5	1	6	9	24	7
9		12	28	5	1	17	2	3	2	3	45	19	2	8	1	1		1	7	11	7
5	3	8	21	6	2	8		2	3	6	40	11	1	10	3	1		2	1	11	1
	1	3	18	2		8	3	2		3	36	12		8	3	1	1	3	1	6	1
		1	6	1		2	1				6	4		1						3	1
11	1	11	39	7	2	14	2		4	4	53	21	1	5	6	2	1	3	3	15	3
						1					1	1									
1	1	3	8			3			2	1	17	10		1		1				2	1
			7	1		1					3	1		1						2	1

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TABLE 20.—DEATHS FROM EACH CAUSE, DETAILED INTERNATIONAL LIST, IN THE COUNTIES
FIGURES INCLUDE PLACES

	State Total	Atlantic County	Atlantic City	Hammonton	Pleasantville	Bergen County	Bergenfield	Cliffside Park	Englewood	Fairview	Port Lee	Garfield	Hackensack
Pellegra	54	5											
Beriberi	55												
Rickets	56	11	1	1		2	2	2				4	6
Diabetes mellitus	57	933	35	22	1	87	2	3	5	1			
Anemia, chlorosis	58	109	5	3	1	1	10					1	
Diseases of the pituitary gland	59	3											
Diseases of the thyroid gland	60	121	3	1		10		1			1	1	2
Diseases of the parathyroid glands	61	9											
Diseases of the thymus gland	62	73				10				1	1		4
Diseases of the adrenals (Addison's disease)	63	7	1	1		1		1					
Diseases of the spleen	64	6											
Leukemia & Hodgkin's disease	65	130	2	1		1	13	1			2	1	
Alcoholism (acute or chronic)	66	167	11	10		7		1					
Chronic poisoning by mineral substances	67	5				1	1						
Chronic poisoning by organic substances	68	2											
Other general diseases	69	50				5		1					
Encephalitis	70	44	1	1		1							
Meningitis	71	113	8	6	1	1	4		1			1	
Tabs Dorsalis (locomotor ataxia)	72	44	6	4		1							
Other diseases of the spinal cord	73	105	1										
Cerebral hemorrhage, apoplexy	74	2257	112	64	9	11	216	7	7	20	3	7	17
Paralysis without specified cause	75	134	9	6		9						1	1
General paralysis of the insane	76	173	13	8		14			2			2	1
Other forms of mental alienation	77	24				3							1
Epilepsy	78	77	3	3		8					1	1	1
Convulsions (nonpuerperal; 5 years and over)	79	7				1				1			
Infantile convulsions (under 5 years of age)	80	39	1			3	1						
Chorea	81	3	1	1									
Neuralgia and neuritis	82	7											
Softening of the brain	83	19											
Other diseases of the nervous system	84	117	3	3		10	1			1			2
Diseases of the eye and annexe	85	11											
Diseases of the ear and of the mastoid process	86	135	5	2		3	18		1			1	2
Pericarditis	87	16											
Endocarditis and myocarditis (acute)	88	370	13	7		4	31	1	1			5	2
Angina pectoris	89	650	26	21	3	6	62	1		4	1	1	3
Other diseases of the heart	90	8337	376	205	20	41	680	11	30	27	16	23	32
Diseases of the arteries	91	605	13	8		1	25					1	3
Embolism and thrombosis (not cerebral)	92	290	9	4		15			2			2	2
Diseases of the veins (varices, hemorrhoids, phlebitis, etc.)	93	20				3				1	1		
Diseases of the lymphatic system (lymphangitis, etc.)	94	11	3	3									
Hemorrhage without specified cause	95	2											
Other diseases of the circulatory system	96	6				1							
Diseases of the nasal fossae and their annexe	97	21				2		1					
Diseases of the larynx	98	18	1										
Bronchitis	99	166	2	1		15		4	1	2		1	1
Broncho pneumonia	100	1237	35	28	2	1	61		4	4	2	1	7
Pneumonia	101	1911	54	32	2	4	150	4	6	4	6	3	9
Pleurisy	102	77	1			5			1				1
Congestion and hemorrhagic infarct of the lung	103	32	2	1		1					1		
Gangrene of the lung	104	6											
Asthma	105	47	1	1		2							
Pulmonary emphysema	106	6	2	1									
Other diseases of the respiratory system (tuberculosis excepted)	107	42	1			1	3						
Diseases of the mouth and annexe	108	28	1	1			4		1				

OF NEW JERSEY AND MUNICIPALITIES OF 5,000 OR MORE INHABITANTS IN 1930. (COUNTY WHICH FOLLOW): 1930—Continued

[illegible]

TABLE 20.—DEATHS FROM EACH CAUSE, DETAILED INTERNATIONAL LIST, IN THE COUNTIES
FIGURES INCLUDE PLACES

	Bloomfield	East Orange	Irvington	Montclair	Newark	Nutley	Orange	South Orange	West Orange	Gloucester County	Woodbury
Pellegra	54										
Beriberi	55										
Rickets	56										
Diabetes mellitus	57	6	14	15	3	133	3	10	3	2	9
Anemia, chlorosis	58	1	1			14	1		1		
Diseases of the pituitary gland	59					1					
Diseases of the thyroid gland	60		5	3	2	23	1	1		1	
Diseases of the parathyroid glands	61					1					
Diseases of the thymus gland	62	1	1		1	10	2	1		2	
Diseases of the adrenals (Addison's disease)	63										
Diseases of the spleen	64				2						
Leukemia & Hodgkin's disease	65	1	2	1	1	21	1	1		1	
Alcoholism (acute or chronic)	66	2	2		1	42		2	1		3
Chronic poisoning by mineral substances	67					2					
Chronic poisoning by organic substances	68				1						
Other general diseases	69		1		5				2		
Encephalitis	70		1		8		3			1	
Meningitis	71	2			8		1		2	2	
Tabs Dorsalis (locomotor ataxia)	72	2	1		2					3	2
Other diseases of the spinal cord	73	2	3	2	7		1		1		
Cerebral hemorrhage, apoplexy	74	36	49	42	29	306	14	20	11	15	56
Paralysis without specified cause	75	2	1			8		2	1		4
General paralysis of the insane	76	3	1		1	30	1	1		4	
Other forms of mental alienation	77	1	1		1	5					
Epilepsy	78	2	1	1	11	1		1	1	1	
Convulsions (nonpuerperal; 5 years and over)	79										
Infantile convulsions (under 5 years of age)	80	1	1	1	2					1	
Chorea	81										
Neuralgia and neuritis	82				1						
Softening of the brain	83				3	1					
Other diseases of the nervous system	84	2	3	1	23	1	3			1	
Diseases of the eye and annexa	85				3						
Diseases of the ear and of the mastoid process	86	3	2	1	1	28	1	5		3	1
Pericarditis	87				2						
Endocarditis and myocarditis (acute)	88	2	3	5	2	43	5		4	1	5
Angina pectoris	89	2	25	6	12	57	2	24	4	5	15
Other diseases of the heart	90	54	131	104	70	980	40	64	16	32	151
Diseases of the arteries	91	5	13	5	3	100	5	6	1	1	17
Embolism and thrombosis (not cerebral)	92										2
Diseases of the veins (varices, hemorrhoids, phlebitis, etc.)	93	1	10	7	7	37		1		1	5
Diseases of the lymphatic system (lymphangitis, etc.)	94			1	1	4					
Hemorrhage without specified cause	95					2					
Other diseases of the circulatory system	96		1			2					
Diseases of the nasal fossae and their annexa	97					7					
Diseases of the larynx	98					3				1	1
Bronchitis	99	2	4	1	3	17	1	4			1
Broncho pneumonia	100	9	14	8	9	160	2	6		5	14
Pneumonia	101	17	26	15	20	278	7	16	3	10	27
Pleurisy	102	1			1	16			1	2	1
Congestion and hemorrhagic infarct of the lung	103	1				3	1	2	1		
Gangrene of the lung	104			1							
Asthma	105	1				6					1
Pulmonary emphysema	106										
Other diseases of the respiratory system (tuberculosis excepted)	107	1	2		1	4	1	1		1	
Diseases of the mouth and annexa	108		1		1	2				1	

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OF NEW JERSEY AND MUNICIPALITIES OF 5,000 OR MORE INHABITANTS IN 1930. (COUNTY WHICH FOLLOW): 1930—Continued

Hudson County	Bayonne	Guttenberg	Harrison	Hoboken	Jersey City	Kearny	Secaucus	Union City	West New York	Hunterdon County	Lambertville	Mercer County	Princeton	Trenton	Middlesex County	Camden	Highland Park	New Brunswick	Perth Amboy	Saville	South Amboy
2	1							1							1			1			
163	17	2	2	18	73	8		13	13	9	1	3	2	3	42	2	1	10	7	1	
17	1			2	9			2	2			37		19	6	1			1		
24	4		1	9	9	3	1	3		4	1	2		1	1		1	1	2		
3				1	1			1	1	1	1	1		1	5						
6	1				3	1		1		1	1	9		5	2					1	
3	1				2							2									
22	2			1	11	2		3	1	1	1	6		2	6	4			2		
12	2			4	3	2	1			1		9			5	18	1	1	6	1	
1					1																
18	4		1	2	7	2			1	1		1		1	3				2		
9				7	7	1								2	2						
21	3			2	15			1	1	1		6	1	5	12		1	3	1	1	
9				6	6	1		2	1	1		3		3	1	1					
19	3			2	10			1	2	1	2	1	9	5	6			3	1	1	
472	61	6	4	50	226	19	4	56	13	63	5	137	7	84	191	3	7	44	31	11	9
17	1			7	7		1	3	2			6		8	6			2		1	
32	4	1		4	18			4	1	1		10	1	8	6			4	1	1	1
6	2				3			1				1			2			1	1		
11				3	8					2		4			2			1			
3				1	1																
8	2			1	3				1	2	1	4		1	2			1			
1					1							1		1	1				1		
1								1	1	1		1		1	1						
28	3	1	2	2	13	3		1	1	1		11		5	9			3	1		1
1	1																				
19	1		2	1	8	1		3	3	1		7	1	6	4	1		1			1
3					2							2		2	2						
54	7	1	1	7	27		3	5		2		12	1	8	23	1		1	11	2	
62	2		2	3	36	5		5	2	14	3	30	1	17	19	1		3	1	1	
1575	124	17	38	184	794	64	13	139	66	93	11	373	8	248	346	11	15	78	71	11	15
85	6		2	13	32	11	1	9	2	20	4	84	7	50	31		1	5	6	1	4
38	6			2	13	3		3	4			7		4	11	1	2	2	2		
2					1					1		1		1	1				1		
2	1				1					1											
1								1													
2					2										2				1		
2	1			2	1	2				1		1		1	7	6					
20	5			2	9	2	1					9	1	7	6						
298	35	1	4	25	188	7	4	12	6	11		65	1	49	85	7	1	16	7	4	
355	26	1	10	44	193	14	1	20	19	16	1	78	1	50	108	9	7	15	21	5	11
15	1			1	8			4		1		2	2	2	6	1		3			1
5					1	4						2	1	1	2		1				
1					1																
7	1			2		1		1		1		1		1	2				1		
1				1																	
6	1				2				1	1		2		2	3					2	
5				4	1							1		1							

TABLE 20.—DEATHS FROM EACH CAUSE, DETAILED INTERNATIONAL LIST, IN THE COUNTIES
FIGURES INCLUDE PLACES

	South River	Monmouth County	Asbury Park	Long Branch	Red Bank	Morris County	Dover	Madison	Morris- town	Ocean County	Passaic County
Pellegra	04										1
Beriberi	55										
Rickets	56									1	1
Diabetes mellitus	57	3	35	3	4	1	28	4	2	5	3
Anemia, chlorosis	58		8	1		1	3	1			2
Diseases of the pituitary gland	59										
Diseases of the thyroid gland	60		2				5				2
Diseases of the parathyroid glands	61					1					1
Diseases of the thymus gland	62					8			3	3	1
Diseases of the adrenals (Addison's di- sease)	63		1			1	1				
Diseases of the spleen	64										
Leukemia & Hodgkin's disease	65		2				3		1		11
Alcoholism, acute or chronic	66	3	4	1			4		1	1	10
Chronic poisoning by mineral substances	67					1			1		
Chronic poisoning by organic substances	68										
Other general diseases	69	1	2		1	2				1	4
Encephalitis	70		6	1		1					1
Meningitis	71		3		1	3				1	12
Tabes Dorsalis (locomotor ataxia)	72		3		1						2
Other diseases of the spinal cord	73		4			3			1		7
Cerebral hemorrhage, apoplexy	74	7	188	22	22	16	110	12	7	19	47
Paralysis without specified cause	75		8	1		1	7	2			2
General paralysis of the insane	76		4	1		1	3		1		5
Other forms of mental alienation	77		12			2	2				1
Epilepsy	78		2			2				1	3
Convulsions (nonpuerperal; 5 years and over)	79		2	1							
Infantile convulsions (under 5 years of age)	80		4	1		1					4
Chorea	81		1								
Neuralgia and neuritis	82		2		1						
Softening of the brain	83		4	1	2		1			1	
Other diseases of the nervous system	84	1	7	1			4		1		3
Diseases of the eye and annexa	85		1	1							1
Diseases of the ear and of the mastoid process	86		4		1		2	1		1	9
Pericarditis	87										
Endocarditis and myocarditis (acute)	88	1	14	3	2	1	7			2	17
Angina pectoris	89		34	3	3	2	12	2	1		5
Other diseases of the heart	90	10	402	38	55	45	230	18	28	26	79
Diseases of the arteries	91		35	2	1	4	22	3	2		20
Embolism and thrombosis (not cerebral)	92		22	3	4	3	25		1	11	4
Diseases of the veins (varices, hemor- rhoids, phlebitis, etc.)	93										
Diseases of the lymphatic system (lym- phangitis, etc.)	94					2	1		1		4
Hemorrhage without specified cause	95										1
Other diseases of the circulatory system	96										
Diseases of the nasal fossae and their annexa	97		1								2
Diseases of the larynx	98		1			1	1				2
Bronchitis	99	2	7			4				1	2
Broncho pneumonia	100	1	44	4	3	4	21	1	2	2	15
Pneumonia	101	2	52	8	11	5	41	5	5	9	14
Pleurisy	102		3	2			2		1	1	3
Congestion and hemorrhagic infarct of the lung	103										1
Gangrene of the lung	104										1
Asthma	105		4			1	2			1	1
Pulmonary emphysema	106										8
Other diseases of the respiratory system (tuberculosis excepted)	107		1				4	1		1	2
Diseases of the mouth and annexa	108		2							1	2

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CAUSE OF DEATH, DETAILED INTERNATIONAL LIST. (COUNTY FIGURES INCLUDE DISTRICTS
1930—Continued.

Local	North Arlington	Ridgefield Park	Ridgewood	Rutherford	Wallington	Burlington County	Bordentown	Burlington City	Camden County	Audubon	Camden City	Collingswood	Gloucester City	Haddonfield	Cape May County	Cumberland County	Bridgeton	Millsville	Vineland	Essex County	Belleville
12			1	2		6	1	1	8		5				1	1		1		33	
			1		1	8		1	11		8				6	4		2		2	
						4			6	1	2				1	4	1		1	14	
		1				19			40		28		2		4	15	8			60	2
						6		1	13	1	2		2		3	1		1		19	
4		4	1	3	1	10	1	28	21		1		2		2	7	2			186	5
	1	4		2		6		3	3		2		2		3	2	3			69	8
									1						3	1				22	
																				2	1
	1	1		1	2	3	1	11	6		2		1		1	9	3		2	75	1
			1			1		5	1	1	1		2		2	4	2	1		66	
			1						1		1				1					33	1
									1		1				1	1				7	
	1		1			5	1	18			11	1	3		3	4		2		39	1
7	7	12	8	16	4	15	7	19	32	12	152	16	17	21	46	91	19	17	13	762	29
1		2			1	2	1		3		1				1					22	
						1			1		1					1				8	
	1	1	1		1	6	1	13	1		7	1				4	1	1		7	
																				38	
2						1			3		1				1	2	1	1		3	
1	1			1		2	1	1	3		1	1			1	1	2			10	
															1	2	2			20	1
				1					2		1					2	1			1	
									3				2							1	
						1			4		2		1			1				8	2
		1		2		1			5		1		1		1	1			1	9	
									21		12	1	1			5	1	2		36	3
	1			1		5			1	5	1	4			1	2	1		1	9	
																				17	
		1				2	1		5		2		1							1	
1						1			3		1		3	1		1				6	
	1								3						1	1		1		3	
		1	1			1		1							1	1	1			6	
																				6	
															1	1	1			13	

[illegible]

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CAUSE OF DEATH, DETAILED INTERNATIONAL LIST. (COUNTY FIGURES INCLUDE DISTRICTS
1930—Continued.

Hudson County	Bayonne	Guttenberg	Harrison	Hoboken	Jersey City	Kearny	Secaucus	Union City	West New York	Hunterdon County	Lambertville	Mercer County	Princeton	Trenton	Middlesex County	Carteret	Highland Park	New Brunswick	Perth Amboy	Sayreville	South Amboy
23	1			1	16	2		1				5		3	13			1	4	1	
54	9		1	6	32			4	2	3		14	2	8	12	1	1	2		2	2
7	1		4		1		1			1		2		2	7	2		2	1		
105	18		3	11	56	2	2	7	2	5	1	37	1	20	32	4	1	5	7	5	1
21	4		1		9			1	1	1		12		8	11	1		1	5		1
105				11	53	8	1	11	4	1		17		14	27	1	1	2	8	1	1
69	7	1	2	8	36	1	1	7	3	6		25	1	17	12	2	1	2	2	1	1
17				4	10	1		1		1		8	2	4							
7	1			2				1		1					1					1	
71	3	2	5	11	25	7	2	8	4	3	1	17	2	12	21	3		7	5		1
29	3		1	2	16	1	1	2	2	1		8		6	7	1		3			
21	2			1	12	2		1	1	1		3		3	4	1		1	1		
7			1	1	3			2		1		1		1	1			1			1
9				1	7			1		1		3		2	1			1			
32	3		3	2	16			2	3	4		10		6	24	1		3	5		4
643	57	8	20	59	323	43	7	51	27	42	5	187	9	139	124	5	10	22	28	6	3
15	2				9	1		1	1	1		5		4	4		1	1	1		
12	2			3	6							1	1	4	4	1		1	1		
4	1				1			2		1		4	1					1	1		
18	1			2	9	4			1	4	1	11	1	5	6		1	1	1		
1					1																
11					8				1	1					1	1					
8				2	4	1			1			9		6	1			1			
21	1		1	1	13				5			2		2	2		1		1		
1	1																				
11				1	7				1			3		2							
1	1																				
9	1			1	2	2		1	1			3		2	1			1			
6	1				4			1				4		3							
12					7	1		1	2			1		1	1						
17	4				9	1	1	1		3	1	7		3	5				2		
8				1	3	1	1	1		1		1		1	4		1	1	1		
10	2		1		7					1		7		4	5			2	1		
1					1																
4					2				1						1						
3					3							1		1							
3					3					2		1		1					2		
4	2				2										2				2		
6	1				4	1									1						
1					1										1				1		

DEPARTMENT OF HEALTH

BUREAU OF VITAL STATISTICS

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CAUSE OF DEATH, DETAILED INTERNATIONAL LIST. (COUNTY FIGURES INCLUDE DISTRICTS
1930—Continued.

Clifton City	Hawthorne	Pascale City	Paterson	Salem County	Salem City	Somerset County	Bound Brook	North Plainfield	Somerville	Sussex County	Union County	Elizabeth	Linden	Plainfield	Rahway	Roselle	Roselle Park	Summit	Westfield	Warren County	Phillipsburg
2 1 1		3	5 1 2	2 3 1	1 1	3 5	.....	.....	1	1	15	6	2	4	.....	.....	1	.....	.....	2	2
.....		1	1	3	.....	3	1	.....	1	4	5	7	1	1	.....	.....	1	.....	.....	5	3
2 3	1	4	12 4	7 4	1	9	2	2	2	2	20	1	3	2	1	.....	.....	.....	2	8	3
.....						2	.....	.....	.....	4	8	5	.....	.....	.....	.....	.....	.....	.....	1	.....
4 3	1 1	9 8	16 14	2	.....	6	1	.....	.....	5	44	19	3	1	1	2	1	3	5	8	2
.....		1	2	2	.....	7	.....	2	2	3	34	13	2	6	3	1	.....	3	1	6	4
.....			2	.....	.....	1	.....	.....	.....	1	3	1	.....	1	.....	.....	.....	1	.....	2	.....
2 12		3	7 7	1	.....	3	.....	1	1	2	16	14	1	2	2	1	.....	2	2	6	1
.....			1	4	.....	5	.....	1	.....	1	17	5	.....	2	1	2	.....	.....	.....	3	2
.....			1	.....	.....	1	.....	.....	.....	.....	2	1	.....	1	.....	1	.....	.....	2	2	
.....											4	3	.....	.....	.....	.....	.....	1	.....	.....	.....
1		3	4	3	1	1	.....	.....	.....	1	12	7	1	.....	.....	.....	.....	1	1	8	2
31	4	35	134	67	21	55	6	11	6	23	210	70	11	42	12	5	6	8	10	96	37
.....		3	3	.....	.....	.....	.....	.....	.....	.....	6	5	.....	.....	1	.....	.....	.....	.....	1	.....
.....			1	1	1	.....	.....	.....	.....	.....	2	2	.....	.....	.....	.....	.....	.....	.....	2	1
.....			1	1	.....	.....	.....	.....	.....	.....	2	1	.....	.....	.....	.....	.....	.....	1	.....	
3			6	4	1	7	.....	2	.....	3	10	5	.....	1	.....	.....	.....	.....	2	6	4
.....											1	.....	.....	.....	1	.....	.....	.....	.....	.....	.....
.....											1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1		1	1	1	.....	1	.....	.....	.....	.....	4	2	.....	1	.....	.....	.....	.....	.....	1	1
.....			1	1	.....	.....	.....	.....	.....	.....	3	3	.....	.....	.....	.....	.....	.....	.....	1	1
.....			1	4	1	.....	.....	.....	.....	1	6	4	.....	1	.....	.....	.....	1	.....	3	3
.....	1	.....	1	1	.....	.....	.....	.....	.....	.....	3	2	.....	.....	.....	1	.....	.....	.....	.....	.....
.....			4	.....	.....	.....	.....	.....	.....	1	2	1	.....	.....	1	.....	.....	.....	.....	.....	.....
.....			3	2	.....	1	.....	.....	.....	.....	3	1	.....	.....	.....	1	.....	.....	.....	1	1
2	1	1	1	.....	.....	2	1	.....	.....	1	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....
.....											6	3	.....	2	.....	1	.....	.....	.....	.....	.....
1		2	1	1	.....	1	.....	.....	.....	.....	6	1	.....	1	.....	.....	.....	1	.....	2	2
.....																					
.....			1	.....	.....	.....	.....	.....	.....	.....	5	3	.....	.....	1	.....	.....	.....	.....	.....	.....
.....			3	.....	.....	1	1	.....	.....	.....	2	2	.....	.....	.....	.....	.....	.....	.....	1	1
.....			3	.....	.....	.....	.....	.....	.....	.....	2	1	.....	.....	.....	.....	.....	.....	.....	.....	.....
.....			1	.....	.....	.....	.....	.....	.....	.....	2	1	.....	.....	1	.....	.....	.....	.....	.....	.....
.....			2	.....	.....	3	1	1	.....	.....	10	4	1	2	.....	.....	1	1	.....	.....	.....

TABLE 20.—DEATHS IN COUNTIES AND CERTAIN SELECTED MUNICIPALITIES, FROM EACH WHICH FOLLOW:

	State Total	Atlantic County	Atlantic City	Hammonon	Pleasantville	Bergen County	Bergenfield	Cliffside Park	Englewood	Fairview	Fort Lee	Garfield	Hackensack
Other diseases of the organs of locomotion.....	153	2											
Congenital malformation (still-births not included).....	159	460	19	6	4	30	1	2		1	1	2	2
Congenital debility, icterus and sclerema.....	160	156	7	5	1	9						3	2
Premature birth; injury at birth.....	161	1334	33	19	2	110	2	3	7	3	2	14	5
Other diseases peculiar to early infancy.....	162	157	2	2		14						2	1
Lack of care.....	163	7				3							
Senility.....	164	138	4	2	1	3	1	1				1	
Suicide by solid or liquid poisons (corrosive substances excepted).....	165	26				5					1		
Suicide by corrosive substances.....	166	37	1	1		7							1
Suicide by poisonous gas.....	167	171	3	3		9	1	1					
Suicide by hanging or strangulation.....	168	145	5	3		12		2				2	
Suicide by drowning.....	169	24				1	1						
Suicide by firearms.....	170	129	4	2	2	11					1		1
Suicide by cutting or piercing instruments.....	171	33	1			2							
Suicide by jumping from high places.....	172	25	2	2		3	1						
Suicide by crushing.....	173	6				1		1					
Other suicides.....	174	5				1							
Poisoning by food.....	175	11											
Poisoning by venomous animals.....	176	1				1							
Other acute accidental poisonings (gas excepted).....	177	46				5	1						
Conflagration.....	178	50	1	1		5							
Accidental burns (conflagration excepted).....	179	176	4	1	2	13					1		1
Accidental mechanical suffocation.....	180	22	2	1									
Accidental absorption of irrespirable, irritating or poisonous gas.....	181	153	4	4		10						1	
Accidental drowning.....	182	269	18	7	2	24	1	1	1		1	2	3
Accidental traumatism by firearms (wounds of war excepted).....	183	45	2			6							
Accidental traumatism by cutting or piercing instruments.....	184	3											
Accidental traumatism by fall.....	185	614	24	11	2	35	1	1	2	1	1	1	3
Accidental traumatism in mines and quarries.....	186	5											
Accidental traumatism by machines.....	187	53	1		1	4							1
Accidental traumatism by other crushing (vehicles, railways, landslides, etc.).....	188	1269	46	22	6	94	1	1	5	2	1	11	10
Injuries by animals (not poisoning).....	189	5	1			1							
Wounds of war.....	190												
Execution of civilians by belligerent armies.....	191												
Starvation (deprivation of food or water).....	192												
Excessive cold.....	193	19	4	3	1	1							
Excessive heat.....	194	28											
Lightning.....	195	4											
Other accidental electric shocks.....	196	19				1							1
Homicide by firearms.....	197	111	3	1	1	7						1	
Homicide by cutting or piercing instruments.....	198	35	2	2		1						1	
Homicide by other means.....	199	53	2	2		4							1
Infanticide (murder of infants less than 1 year of age).....	200	5				1							
Fracture (cause not specified).....	201	12	1	1								1	
Other external violence.....	202	117	2			7					1		1
Violent deaths of unknown causation.....	203												
Sudden death.....	204												
Cause of death not specified or ill-defined.....	205	40	1			2						1	
Total	43190	1579	888	76	153	3252	67	116	161	64	90	213	256

CAUSE OF DEATH, DETAILED INTERNATIONAL LIST. (COUNTY FIGURES INCLUDE DISTRICTS)
1930—Continued.

[illegible]

TABLE 20.—DEATHS IN COUNTIES AND CERTAIN SELECTED MUNICIPALITIES, FROM EACH WHICH FOLLOW):

	Bloomfield	East Orange	Irvington	Montclair	Newark	Nutley	Orange	South Orange	West Orange	Gloucester County	Woodbury
Other diseases of the organs of locomotion.....158											
Congenital malformation (still-births not included).....159	4	5	5	3	41	2	3	1	5	11	2
Congenital debility, lterus and sclerema.....160		4	1		27		1		1	4	1
Premature birth; injury at birth.....161	12	16	20	11	153	6	12	5	7	20	4
Other diseases peculiar to early infancy.....162		1	1		16		2	1	1	6	1
Lack of care.....163										1	
Senility.....164			1	1	24	1			1	3	
Suicide by solid or liquid poisons (corrosive substances excepted).....165		1			4						
Suicide by corrosive substances.....166	1			1	4						
Suicide by poisonous gas.....167	2	3	2	2	43	1	2	1	1	2	
Suicide by hanging or strangulation.....168		1	4	2	10		1	1	1	2	
Suicide by drowning.....169	1		2	1	1						
Suicide by firearms.....170	1	1	2	1	11	2				9	
Suicide by cutting or piercing instruments.....171			1	1	2	1	1				
Suicide by jumping from high places.....172		2			6						
Suicide by crushing.....173											
Other suicides.....174		1									
Poisoning by food.....175		1									
Poisoning by venomous animals.....176											
Other acute accidental poisonings (gas excepted).....177					9					1	
Conflagration.....178					10	1	2	1		1	
Accidental burns (conflagration excepted).....179	3	2		1	16	1	1	1		5	
Accidental mechanical suffocation.....180					4	1				1	
Accidental absorption of irrespirable, irritating or poisonous gas.....181		2	3		36	2	1				
Accidental drowning.....182	2			2	16		2	1	2	4	
Accidental traumatism by firearms (wounds of war excepted).....183					2		1				
Accidental traumatism by cutting or piercing instruments.....184					1						
Accidental traumatism by fall.....185	3	16	9	7	73	2	8	2	1	8	
Accidental traumatism in mines and quarries.....186							1				
Accidental traumatism by machines.....187					2		1			2	
Accidental traumatism by other crushing (vehicles, railways, landslides, etc.).....188	10	17	18	10	149	7	9	3	6	27	5
Injuries by animals (not poisoning).....189											
Wounds of war.....190											
Execution of civilians by belligerent armies.....191											
Starvation (deprivation of food or water).....192					2						
Excessive cold.....193										2	
Excessive heat.....194					3						
Lightning.....195											
Other accidental electric shocks.....196	1										
Homicide by firearms.....197					27						
Homicide by cutting or piercing instruments.....198		1			12		1			2	1
Homicide by other means.....199		1			13		1				
Infanticide (murder of infants less than 1 year of age).....200											
Fracture (cause not specified).....201					1						
Other external violence.....202	1	1	2	1	23	1	3				
Violent deaths of unknown causation.....203											
Sudden death.....204											
Cause of death not specified or ill-defined.....205					4			1		4	
Total	355	661	492	388	5344	174	406	130	215	750	109

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CAUSE OF DEATH, DETAILED INTERNATIONAL LIST. (COUNTY FIGURES INCLUDE DISTRICTS
1930—Continued.

Hudson County	Bayonne	Guttenberg	Harrison	Hoboken	Jersey City	Kearny	Secaucus	Union City	West New York	Hunterdon County	Lambertville	Mercer County	Princeton	Trenton	Middlesex County	Carteret	Highland Park	New Brunswick	Perth Amboy	Sayreville	South Amboy
1																					
83	8		3	4	42	11		5	3	5		26	1	16	15	1	2	1	4		1
14	2	1		1	8					1		4		1	2			3	2		
243	25	2	3	25	134	13	3	19	9	11	1	87	3	61	88	11	4	16	11	3	6
38	9		1	3	16	1	1	3				18	1	12	3			1	1	1	
12				1	9			1	1	6		2	1	1	8				3		2
6	1			1	3							2		1	1			1			1
13	1	1	2	3	2	1	1	1	1			1		1	2				1		
29	2	1	1	4	14			3		2		9		8	5			1	1	1	
4	2					2				1		3		8	9	1		1	1	1	
15	2				7	3		2	1	4	2	6		4	3			1			
6	1				5					1		2		1	2				1		
3				1	1				1			1			2			1	1		
2					2																
12	1							1							2	1					
6				1	5					1		4	1	1	1						
4			1	2			1			1		2		3	3				2		
42	7			4	18	3	1	2	2			6		5	8	1					
2								1	1	1		2		2							
16	3				9		1	1	1	1		2		2	5			1	1		1
56	8		1	4	31	3	1	4	2	3		12		8	25	2		4	6	2	
4					3					1	1	1		1	2						1
1				1																	
99	13	3	4	20	39	3	1	7	4	8		39		24	33	1	3	5	7		3
9	2			2	3		1		1			4	1	1	8	1		1	2		
170	15	1	2	20	79	7	4	20	6	12		60	4	32	86	1	3	17	19	4	8
												1									
2				1				1				1		1	1						
2				1	1					1		3		2	1	1					
14	4	1		1	5				1	1		7	1	5	6			3	1	1	
4					2	1			1												
5					3	1		1				1			4					3	
2					2										1				1		
22	1			1	10	5		1		2	1	7	2	3	6				3	1	
3	2				1							2		2	2			1	1		
7419	764	61	168	762	3783	364	70	603	308	465	50	2116	84	1415	2039	100	83	407	404	113	100

DEPARTMENT OF HEALTH

TABLE 20.—DEATHS IN COUNTIES AND CERTAIN SELECTED MUNICIPALITIES, FROM EACH WHICH FOLLOW:

	South River	Monmouth County	Asbury Park	Long Branch	Red Bank	Morris County	Dover	Madison	Morristown	Ocean County	Passaic County
Other diseases of the organs of locomotion.....	158	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Congenital malformation (still-births not included).....	159	20	4	1	2	11	1	.....	2	5	30
Congenital debility, icterus and sclerema.....	160	1	4	1	1	.....	4	.....	.....	5	23
Premature birth; injury at birth.....	161	2	51	4	5	2	48	1	8	6	95
Other diseases peculiar to early infancy.....	162	.....	4	1	.....	.....	9	1	.....	3	8
Lack of care.....	163	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
Seulity.....	165	11	1	.....	.....	6	1	.....	3	3	13
Suicide by solid or liquid poisons (corrosive substances excepted).....	165	.....	.....	.....	.....	1	.....	.....	.....	.....	3
Suicide by corrosive substances.....	166	.....	2	1	.....	2	.....	.....	2	.....	1
Suicide by poisonous gas.....	167	.....	10	1	2	1	2	1	.....	.....	13
Suicide by hanging or strangulation.....	168	1	2	.....	.....	5	.....	1	.....	.....	13
Suicide by drowning.....	169	.....	1	.....	.....	.....	.....	.....	.....	2	4
Suicide by firearms.....	170	.....	4	1	.....	7	.....	.....	3	3	12
Suicide by cutting or piercing instrument.....	171	.....	1	.....	1	1	.....	.....	.....	.....	4
Suicide by jumping from high places.....	172	.....	1	.....	.....	1	.....	.....	1	.....	1
Suicide by crushing.....	173	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Other suicides.....	174	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Poisoning by food.....	175	.....	.....	.....	.....	.....	.....	.....	.....	.....	2
Poisoning by venomous animals.....	176	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Other acute accidental poisonings (gas excepted).....	177	.....	2	.....	.....	1	.....	.....	.....	.....	6
Conflagration.....	178	1	1	.....	.....	5	.....	.....	.....	.....	1
Accidental burns (conflagration excepted).....	179	.....	7	2	.....	1	.....	.....	.....	3	6
Accidental mechanical suffocation.....	180	.....	2	.....	.....	2	.....	.....	1	.....	2
Accidental absorption or irrespirable, irritating or poisonous gas.....	181	.....	10	1	.....	2	9	.....	.....	1	14
Accidental drowning.....	182	2	11	4	3	1	9	1	1	1	13
Accidental traumatism by firearms (wounds of war excepted).....	183	.....	1	.....	.....	2	.....	.....	1	3	4
Accidental traumatism by cutting or piercing instruments.....	184	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Accidental traumatism by fall.....	185	.....	30	2	4	1	11	1	1	3	49
Accidental traumatism in mines and quarries.....	186	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
Accidental traumatism by machines.....	187	3	2	1	.....	2	.....	.....	.....	2	3
Accidental traumatism by other crushing (vehicles, railways, landslides, etc.).....	188	1	39	3	6	6	39	8	1	8	86
Injuries by animals (not poisoning).....	189	.....	.....	.....	.....	1	.....	.....	.....	.....	1
Wounds of war.....	190	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Execution of civilians by belligerent armies.....	191	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Starvation (deprivation of food or water).....	192	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Excessive cold.....	193	.....	2	.....	.....	.....	.....	.....	.....	.....	3
Excessive heat.....	194	.....	3	1	.....	1	.....	.....	.....	1	.....
Lightning.....	195	.....	1	.....	.....	.....	.....	.....	.....	.....	.....
Other accidental electric shocks.....	196	.....	.....	.....	.....	1	.....	.....	.....	.....	2
Homicide by firearms.....	197	1	4	1	.....	2	.....	.....	1	1	14
Homicide by cutting or piercing instruments.....	198	.....	1	1	.....	.....	.....	.....	.....	.....	1
Homicide by other means.....	199	.....	2	1	.....	2	.....	.....	1	.....	5
Infanticide (murder of infants less than 1 year of age).....	200	.....	.....	.....	.....	.....	.....	.....	.....	1	.....
Fracture (cause not specified).....	201	.....	.....	.....	.....	1	.....	.....	.....	.....	.....
Other external violence.....	202	.....	4	.....	.....	1	4	.....	.....	1	3
Violent deaths of unknown causation.....	203	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Sudden death.....	204	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Cause of death not specified or ill-defined.....	205					1				2	
Total.....	80	1915	214	243	167	1230	107	99	214	458	2823

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CAUSE OF DEATH, DETAILED INTERNATIONAL LIST. (COUNTY FIGURES INCLUDE DISTRICTS
1930—Continued.

Clifton City	Hawthorne	Passaic City	Paterson	Salem County	Salem City	Somerset County	Bound Brook	North Plainfield	Somerville	Sussex County	Union County	Elizabeth	Linden	Plainfield	Rahway	Roselle	Roselle Park	Summit	Westfield	Warren County	Phillipsburg
5	4	4	10	7	2	5	1	1	1	4	33	11	3	6	2			1	4	7	3
3		6	10	4		3				3	13	5	1	1		1	1	1	5	2	
19	7	15	42	13	3	17	2	1	4	8	80	30	8	11	4	2	3	5	3	14	7
2		1	3	1		3				1	12	9						1		1	
1		4	5	2		1					2	1			1					3	
		1	2	1		1					2					1			1	1	
		1	1			1					4	2					1				
1		3	8			2		1			17	7	2	2	1		1		1		
3		1	6	1						4	9	1		3		1		1	1	4	1
	1		2			1					2	2									
		2	6	5	2	2			1	2	7	2	1			1			1	3	2
		1	1			1					3	1				1		1			
			1			1		1			2	1		1						1	
1						1														1	
										3										1	
	1	2	2	3		1		1			3		1		1			1			
		1	1	2		1				1	3									1	
1			5	4	1	2					21	15		1	1	1	1			3	1
			1	1							1							1			
	1	1	3	6	5	3	1			1	18	7	4	2	3			1		2	2
											11	7		2					2	1	
	1	1	1	2		2				1	1								1	1	
	6	2	16	21	4	12	1		3	5	36	14	1	5	1	1		4	3	5	1
			1			1				2											
		1	2							2	5	3	1						1	2	
14	8	19	33	20	5	32		4	7	9	109	39	14	11	9	4			2	15	3
																				1	
		3		1																	
				3								1	1								
												1	1							1	
1												1		1							
3		3	5	3	1	1			1			4	3							1	1
			1																		
	1	2	2	1	1	1						3	2	1			1				
											6	5				1					
												1	1								
		2	1			5	1	1	1			2	2								
												9	4		2				1	2	
											14	7			1						
343	95	542	1463	482	115	652	66	109	106	222	2910	1195	180	375	183	105	69	130	141	648	227

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TABLE 21.—DEATHS BY OCCUPATIONS

		AGRICULTURE, FORESTRY AND ANIMAL HUSBANDRY										
		Farmers										
		Farm laborers										
		Fishermen and oystermen										
		Gardeners, florists, fruit growers and nurserymen										
		Other agricultural and animal husbandry pursuits										
		EXTRACTION OF MINERALS										
		Foremen, overseers and inspectors										
		Miners										
		Quarry operatives										
		MANUFACTURING AND MECHANICAL INDUSTRIES										
		Bakers										
Tuberculosis of the respiratory system	10 to 19	..	..	..	..	..	..	..	..	..	..	..
	20 to 29	..	3	1	..	..	..	..	..	..	..	..
	30 to 39	..	5	1	..	5	4	..	2	..	..	2
	40 to 49	..	..	..	..	3	1	..	..	..	..	1
	50 to 59	..	3	1	..	2	..	..	1	..	..	1
	60 to 69	..	4	1	..	2	..	..	2	..	..	2
	70 to 79	..	1	..	..	1	..	..	..	..	..	1
	80 and over	..	1	..	..	..	..	..	..	..	..	..
Totals		..	23	5	..	13	5	..	5	..	..	7
Cancer and other malignant tumors	10 to 19	..	1	..	..	..	..	..	..	..	..	..
	20 to 29	..	..	..	..	..	..	..	..	..	..	1
	30 to 39	..	..	..	..	..	..	..	..	..	..	..
	40 to 49	..	3	1	1	4	1	..	..	1	..	1
	50 to 59	..	2	1	2	2	1	..	1	..	..	9
	60 to 69	..	21	1	1	4	2	..	..	..	..	2
	70 to 79	..	36	1	..	9	..	..	..	..	..	1
	80 and over	..	13	1	1	2	..	..	..	..	..	1
Totals		..	82	5	5	21	4	..	1	1	..	15
Diseases of the nervous system and of the organs of special sense	10 to 19	..	..	..	..	..	..	..	..	..	..	1
	20 to 29	..	..	..	..	..	..	..	..	..	..	..
	30 to 39	..	1	1	..	..	..	..	..	..	..	1
	40 to 49	..	3	..	1	2	2	..	..	..	..	1
	50 to 59	..	7	3	..	6	2	..	1	..	..	2
	60 to 69	..	32	6	1	5	2	..	2	..	..	6
	70 to 79	..	36	4	1	8	3	..	2	..	..	4
	80 and over	..	29	4	5	5	1	..	..	..	..	..
Totals		..	108	18	8	26	8	..	5	..	..	15
Diseases of the circulatory system	10 to 19	..	..	..	..	..	..	..	..	..	..	1
	20 to 29	..	..	2	..	1	..	..	..	..	..	3
	30 to 39	..	..	..	..	..	1	..	..	..	..	..
	40 to 49	..	9	6	..	2	1	..	2	..	..	4
	50 to 59	..	29	8	1	14	3	..	3	..	..	5
	60 to 69	..	51	10	5	12	1	..	4	1	..	4
	70 to 79	..	94	15	7	12	2	..	2	1	..	3
	80 and over	..	74	7	2	10	1	..	..	..	..	2
Totals		..	257	48	15	51	9	..	11	2	..	22

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Blacksmiths, forgers and hammermen	Boilermakers	Brick and stone masons	Builders and building contractors	Carpenters, coopers and cabinetmakers	Compositors, lithographers and typesetters	Dressmakers and seamstresses (not in factory)	Dyers	Electricians and electrical engineers	Engineers (stationary)	Engravers	Fileers, grinders, buffers and polishers (metal)	Firemen (except locomotive and fire department)	Glassblowers	Jewelers, watchmakers, goldsmiths and silversmiths	Laborers (general and not specified)	Building and hand trades	Chemical industries	Clay and stone industries (excepting potteries)
1	1	1	1	3	1	1	1	6	2		1	1	1	1	5		1	1
2	1	2	3	3	12	1	1	1	2	1	1	2	2	2	36	5	3	
3	1	3	5	15	1	1	1	2	2		1	2	2	2	46	7	3	
4	1	6	1	3	1	1	1	1	1		1	2	1	1	57	1	1	2
5	1	1	1	1	1	1	1	1	1		2	1	1	1	13	1	1	2
6				1											5	1		
7															2			
8	4	18	1	38	1	7	3	10	5	1	5	11	1	3	202	14	9	9
9			1			1	2	2							3			
10			1	7	1	3	4	4			1				22	1	1	2
11	2	4	4	27	2	2	2	4	6		2	4			46	4	3	
12	1	4	3	24	1	6	1	1	7	2		5		1	47	1	1	1
13	4	5	3	20	4	4	1	1	3	1		2		2	19			
14		1	3	4											4			
15	16	3	15	16	82	2	16	5	12	3	3	11		8	148	6	5	3
16						1					1				14			
17	1	1		2				1	1						16	1		
18	3	2	1	9	1			2	3			1			37	1		1
19	2	1	1	5	5	2	2	3	8		1	4			42			2
20	3	1	5	2	20	1	3	1	3		1	3		1	3	48	1	1
21	5	1	5	27	2				4		1	2		2	3	40	1	2
22	1	1	2	10							1	1		1	8	1		
23	13	6	14	10	73	2	8	3	9		4	9	4	8	205	5	2	5
24																		
25				1		1		1							13	1		
26				5		2		5	2						2	43		1
27	2	3	5	18	1	1	1	10	4		3	5	1	1	63	3	1	1
28	7	2	12	4	36	1	3	1	11	1	7	7	2	10	121	5	1	4
29	6	2	9	12	66	1	7	1	2	4	3	6	2	7	106	6	4	2
30	16	8	15	62		3	1	3	13	1	1	4	1	6	99	2		1
31	7	7	5	21		6	3	1	5			1	1	3	25	1		
32																		
33	38	7	41	41	200	3	23	7	33	6	14	24	7	29	470	18	6	9

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TABLE 21.—DEATHS BY OCCUPATIONS

		Glass industries	Iron, steel and other metal industries	Leather industries	Lumber and furniture industries	Potteries	Rubber industries	Textile industries	Other industries	Machinists, millwrights and toolmakers	Managers, superintendents and foremen (manufacturing)	Manufacturers and officials	Mechanics (gunsmiths, locksmiths, wheelwrights, etc.)
Tuberculosis of the respiratory system	10 to 19				1				4	1			
	20 to 29		2	2					6	2			4
	30 to 39	2	3				1		4	3			5
	40 to 49		1	1		2		1	7	3		3	4
	50 to 59		2		1		1	1	1	6	3	1	1
	60 to 69		1						1	1	1		1
	70 to 79		1						3	1	2		
	80 and over												
Totals		4	10	1	2	2	2	2	17	28	15	7	14
Cancer and other malignant tumors	10 to 19												
	20 to 29		1									1	1
	30 to 39					1				5		3	1
	40 to 49		3						4	5	4	1	4
	50 to 59		7				1	1	5	12	7	8	4
	60 to 69		4					1	7	12	19	10	2
	70 to 79		1		2				3	7	4	7	
	80 and over								2	1	1		
Totals			16		2	1	1	2	19	43	35	31	11
Diseases of the nervous system and of the organs of the special sense	10 to 19								1				
	20 to 29								1				2
	30 to 39		1					1	2	6	2		3
	40 to 49		3						10	3	2		2
	50 to 59		4	1					13	7	2		5
	60 to 69		3					1	3	10	14	5	
	70 to 79		2		1			2	1	5	8	4	2
	80 and over										1	3	
Totals			13	1	1			4	16	45	35	16	14
Diseases of the circulatory system	10 to 19								1	1			
	20 to 29	1	2								1		2
	30 to 39		3		1				2	9	3		6
	40 to 49		8			1		2	9	13	17	8	5
	50 to 59	1	6		1		2	1	6	22	22	18	4
	60 to 69		10	1			2	1	8	41	22	9	1
	70 to 79	1	2		2		1	1	7	15	11	18	5
	80 and over		1		1		1	2	1	6	5	9	4
Totals		3	32	1	6	1	6	7	34	107	81	62	27

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[illegible]

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TABLE 21.—DEATHS BY OCCUPATIONS

	Potteries	Rubber industries	Textile industries	Other industries	Shoemakers and cobblers (not in factory)	Stonecutters	Tailors and tailoresses	Tinsmiths and coppersmiths	Upholsterers	Other manufacturing and mechanical industries	TRANSPORTATION	Water
Tuberculosis of the respiratory system												
10 to 19	1		2	6								
20 to 29	1	2	11	16	2			3		3		
30 to 39			16	7	1		3		2	3		
40 to 49	7		4	7	3		2	1	1	1		
50 to 59	2		9	4	3	2	1	1	1	3		
60 to 69	4			2	1			1	1			
70 to 79			2		1							
80 and over												
Totals	15	2	46	42	11	3	6	6	5	10		
Cancer and other malignant tumors												
10 to 19			1				1					
20 to 29			4	1			1			1		
30 to 39		1	7	3	1		1			3		
40 to 49		1	13	6	2	1	4	3	1	8		
50 to 59	3	1	19	6	1	3	2	2		8		
60 to 69		3	15	4	7				1	5		
70 to 79			1				1					
80 and over												
Totals	4	6	60	20	11	4	10	5	2	25		
Diseases of the nervous system and of the organs of special sense												
10 to 19			3							1		
20 to 29			1	4	1		2			2		
30 to 39		1	3	6	1		2			4		
40 to 49		1	7	9	4		3	1		5		
50 to 59	1	1	10	4	4	1	6	1	2	2		
60 to 69	2	2	12	6	3	1	1	1		2		
70 to 79	1	1	3	2	1		1			1		
80 and over												
Totals	5	5	39	31	14	2	14	3	2	17		
Diseases of the circulatory system												
10 to 19			2	1								
20 to 29			6	9					1	2		
30 to 39		1	4	5			3	1		2		
40 to 49	2	2	13	10	4	1	11	1		2		
50 to 59	2	1	25	17	8	2	9	3	3	12		
60 to 69	6	2	16	25	11	2	13	1		9		
70 to 79	2	4	23	14	7	6	9	4	1	6		
80 and over		1	5	4	4	2	4	2	2	2		
Totals	12	11	94	85	34	13	49	12	7	35		

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Boatmen, canal men, sailors and deck hands	Longshoremen and stevedores	Other pursuits	Road and street	Carriage and hack drivers, draymen, teamsters and expressmen	Chauffeurs	Contractors and foremen (road building)	Garage keepers and managers	Laborers (road building) and street cleaners*	Livery stable keepers and managers, hostlers and stable hands	Other pursuits	Railroad	Baggagemen and freight agents	Brakemen	Conductors	Foremen, overseers and inspectors	Laborers	Locomotive engineers	Locomotive firemen
1 1 2	1 2 2	1 1	1	4 2 3 2	21 17 14 3	1	2 1	1 1 2	1	2 2	2	1 1 1	1 1 1	2 1	2 1 1	2 3 3	1 1 2	1
4	4	3	....	14	55	1	3	4	1	4	....	3	3	3	3	13	....	1
1	1	1	1	3 9 5 1	3 3 1	1	1 1 1	1 4 3	1	1 1	1	1	1	1	2 1 5 1	5 2 1 2	1 1 2 1	....
3	4	3	....	18	9	4	4	9	1	2	....	1	....	4	10	9	5	....
1	1	1	1	2 3 5 4	1 4 2 1	....	1 2 1	1 2 3	1	1 1	1	1	1	1	2 2 2 1	2 1 1 3	1 1 4 2	....
9	5	4	....	14	13	....	4	6	4	2	....	1	7	4	6	10	10	....
1 1 5 7 5	4 3 3 2	3 1 3 9 7		1 4 5 13 10 4	17 8 8 4 2		1 1 1	1 2 6 12 8 1	1	1 2 2 1	1	1 1 2 2 1	3 3 6 3	2 2 1 1	3 2 1 1	7 10 6 4	1 3 5 5	1 1 3 1
24	12	24		37	47	1	3	30	7	7		3	9	15	8	28	15	3

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TABLE 21.—DEATHS BY OCCUPATIONS

		Motormen	Officials and superintendents	Switchmen, flagmen and yardmen	Ticket and station agents	Other pursuits	Express, Post, Telegraph and Telephone	Express messengers and railway mail clerks	Linemen	Mail carriers	Telegraph operators	Telephone operators	Other pursuits
Tuberculosis of the respiratory system	10 to 19	..	..	..	1	..	..	1	1	..	1	1	..
	20 to 29	..	..	..	..	..	..	1	1	..	1	4	..
	30 to 39	..	..	2	1	2	..	..	1	2	1	..	..
	40 to 49	..	..	..	..	..	..	..	..	..	..	..	..
	50 to 59	..	1	1	..	..	..	..	1	..	1	..	..
	60 to 69	1	..	2	..	..	..	..	..	..	..	..	..
	70 to 79	..	..	..	1	..	..	..	..	..	..	..	..
	80 and over	..	..	..	..	..	..	..	..	..	..	..	..
Totals		5	..	5	2	3	..	2	2	3	6	5	..
Cancer and other malignant tumors	10 to 19	..	..	..	..	..	..	..	..	..	1	1	..
	20 to 29	..	..	..	..	..	..	..	..	..	3	1	..
	30 to 39	..	..	..	..	..	..	..	..	1	..	..	..
	40 to 49	..	..	..	..	..	..	..	..	..	1	..	..
	50 to 59	1	..	..	..	3	..	..	..	..	..	..	..
	60 to 69	1	1	1	1	2	..	..	5	1	..	..	1
	70 to 79	..	..	1	..	..	..	..	..	..	..	..	..
	80 and over	..	..	..	..	..	..	..	..	..	..	..	..
Totals		2	1	2	1	5	..	..	..	6	1	5	2
Diseases of the nervous system and of the organs of special sense	10 to 19	..	..	..	..	..	..	..	..	..	..	1	..
	20 to 29	..	..	1	..	..	..	..	..	..	..	..	..
	30 to 39	..	..	..	..	1	..	..	..	..	..	..	..
	40 to 49	..	..	1	..	..	..	..	..	..	..	1	..
	50 to 59	1	..	1	1	2	..	1	..	..	..	..	2
	60 to 69	2	1	4	2	..	..	..	..	..	..	..	..
	70 to 79	2	..	2	..	5	..	..	1	..	..	..	..
	80 and over	..	..	1	1	1	..	..	..	..	..	..	1
Totals		3	1	10	4	9	..	1	..	1	..	1	4
Diseases of the circulatory system	10 to 19	..	..	1	1	..	..	..	..	1	..	1	..
	20 to 29	..	..	..	..	..	..	..	..	..	..	..	..
	30 to 39	1	..	..	..	..	..	..	1	..	1	..	..
	40 to 49	2	1	2	4	..	..	..	1	2	1	1	4
	50 to 59	..	1	4	2	5	..	..	..	1	2	..	2
	60 to 69	3	1	12	..	6	..	..	3	4	..	5	..
	70 to 79	..	2	12	2	4	..	..	1	..	..	1	..
	80 and over	1	..	1	..	4	..	..	2	1	..	1	..
Totals		7	5	32	9	19	..	..	1	10	9	2	13

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TRADE	Bankers, brokers and moneylenders	Clerks in stores	Deliverymen	Laborers	Real estate and insurance agents and officials	Salesmen and saleswomen	Undertakers	Wholesale and retail dealers	Other pursuits	PUBLIC SERVICE (NOT ELSEWHERE CLASSIFIED)	Firemen (fire department)	Laborers (public service)	Marshals, sheriffs, detectives, etc.	Officials and inspectors (city, county, state, U. S.)	Policemen	Soldiers, sailors and marines	Other pursuits
.....	.....	2	1	1	.....	1	.....	1	1	.....	.....	.....	.....	.....	.....	.....	.....
.....	.....	3	.....	1	.....	5	.....	2	.....	.....	.....	.....	.....	.....	.....	.....	.....
.....	.....	4	.....	.....	.....	11	1	6	.....	.....	.....	.....	.....	.....	.....	.....	.....
.....	1	.....	1	.....	1	10	1	23	1	.....	1	3	.....	.....	.....	.....	2
.....	.....	1	1	1	2	3	.....	10	.....	.....	1	3	.....	2	.....	.....	3
.....	.....	.....	.....	.....	.....	2	.....	3	.....	.....	.....	1	.....	1	.....	.....	9
.....	.....	.....	.....	.....	.....	.....	.....	5	.....	.....	.....	.....	.....	.....	.....	.....	4
.....	1	10	3	6	8	34	2	50	2	.....	3	8	.....	5	3	1	18
.....																	
.....	.....	.....	1	.....	1	.....	.....	1	.....	.....	.....	.....	.....	.....	1	.....	.....
.....	.....	.....	1	1	4	2	.....	1	.....	.....	.....	1	.....	.....	.....	.....	.....
.....	1	.....	.....	.....	3	6	.....	20	1	.....	.....	2	1	.....	3	1	1
.....	5	.....	.....	2	9	12	.....	57	2	.....	3	2	.....	2	3	.....	12
.....	5	2	.....	1	10	18	2	44	7	.....	3	4	.....	4	3	.....	17
.....	3	1	.....	.....	6	13	.....	33	.....	.....	1	1	.....	1	1	.....	13
.....	1	.....	.....	.....	.....	3	.....	8	.....	.....	.....	.....	.....	1	.....	.....	1
.....	15	3	3	4	33	54	2	164	10	.....	7	10	1	9	11	1	44
.....	.....	1	.....	.....	.....	.....	.....	2	1	.....	.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	1	3	1	3	.....	.....	2	.....	.....	1	2	.....	2
.....	2	.....	.....	.....	2	15	.....	20	1	.....	.....	1	.....	2	3	.....	.....
.....	3	2	1	4	4	11	1	28	2	.....	.....	1	.....	.....	5	1	7
.....	3	2	.....	1	9	9	1	29	4	.....	2	.....	.....	4	3	.....	11
.....	1	.....	1	.....	8	5	.....	23	1	.....	1	1	.....	3	3	.....	15
.....	.....	1	.....	.....	2	2	.....	7	1	.....	.....	.....	.....	.....	1	.....	4
.....	11	6	2	5	26	45	3	112	10	.....	5	3	.....	10	17	1	39
.....	.....	4	1	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....
.....	.....	1	1	.....	.....	4	1	2	.....	.....	4	2	.....	.....	1	.....	1
.....	.....	2	2	.....	2	6	.....	16	2	.....	.....	2	1	.....	1	.....	1
.....	3	5	1	4	12	23	1	37	5	.....	4	2	.....	6	7	.....	3
.....	12	2	.....	3	12	32	.....	69	6	.....	3	3	2	14	9	1	23
.....	17	5	.....	1	28	36	1	120	8	.....	3	8	.....	16	8	.....	44
.....	7	.....	.....	2	18	23	3	76	3	.....	.....	3	.....	5	6	.....	29
.....	3	1	.....	.....	8	3	1	36	.....	.....	.....	1	.....	4	2	.....	7
.....	42	20	5	10	80	127	7	356	27	.....	11	21	3	45	34	1	107

TABLE 21.—DEATHS BY OCCUPATIONS

		PROFESSIONAL SERVICE	Architects	Authors, editors and reporters	Chemists, assayers, etc.	Civil and mining engineers and surveyors	Clergymen	Dentists	Designers, draftsmen and inventors	Lawyers, judges and justices	Musicians and teachers of music	Photographers	Physicians and surgeons	Teachers and other educators
Tuberculosis of the respiratory system	10 to 19											1		
	20 to 29			1		1					2			6
	30 to 39					1			1	1				3
	40 to 49			1			2		1		2	1	1	2
	50 to 59			1				1		1		1		1
	60 to 69							1						
	70 to 79						1							
	80 and over													
Totals			3		2	3	2	2	2	5	3	1	12	
Cancer and other malignant tumors	10 to 19													2
	20 to 29													1
	30 to 39				1					1	1		1	1
	40 to 49					1						1	3	4
	50 to 59		1	1	1		1	1	1	4		1	3	8
	60 to 69			2	1		3		1	2		1	2	5
	70 to 79				1				1	5		1	2	7
	80 and over		2										1	1
Totals		3	3	4	1	3	2	3	12	1	3	12	28	
Diseases of the nervous system and of the organs of special sense	10 to 19													1
	20 to 29							2			1			2
	30 to 39							1						2
	40 to 49			1							1			2
	50 to 59						2			2	1		3	4
	60 to 69		1			2		1		1	3		4	6
	70 to 79			2	1					2	2		4	3
	80 and over			1		4							2	4
Totals		1	4	1	12	2		5	9		13	22		
Diseases of the circulatory system	10 to 19					1			2				1	1
	20 to 29					1					1		1	3
	30 to 39			1		1		1			2		2	2
	40 to 49			2		2		1		2			2	10
	50 to 59			2	2	2	2		3	4	1	3	8	
	60 to 69		2	3	2	2	11	1	3	5	2		9	8
	70 to 79			5	5	1	11	3	1	6	5	1	8	15
	80 and over			1		1	10			1	1	1	2	9
Totals		2	14	9	9	38	6	9	18	17	3	25	49	

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Other professional and semi-professional pursuits	DOMESTIC AND PERSONAL SERVICE	Barbers, hairdressers and manicurists	Bartenders	Hotel keepers and managers	Housekeepers and stewards	Janitors and sextons	Launderers and laundresses	Porters (except in stores)	Restaurant, cafe and lunch room keepers	Saloonkeepers	Servants	Waiters	Other Pursuits	CLERICAL OCCUPATIONS	Agents, canvassers and collectors	Bookkeepers, cashiers and accountants	Clerks (except clerks in stores)	Other clerical pursuits	Grand Total
1	6	1			20		1	1			8	2	3			1	13	7	104
5		4			159		7	2	1		16	5	5		1	12	34	11	489
7		4	2	1	177		5	3	3		12	5	1		1	8	28	6	523
2		4			101	2	1	3	2		8	3	3		1	3	8	2	468
1		2		1	66		4				7	2	3		3	3	17	1	319
2		1			44	2	2				3	2	2			2	4	1	156
					13	1		1			2						2	1	58
					2														9
24		13	2	2	582	7	16	14	6		56	17	16		6	29	106	29	2126
					19			1			1							2	5
1		1			100		1	1			5	4	1		1	3	1	1	53
1					261	1	1	2			12	5	3		1	6	13	4	181
3		5	2		440	8	1	2			8	2	5		3	9	17	2	507
5		10		1	437	12	2	5	2		10	3	8		3	7	16	3	951
11		3	1	3	261	6					9	1	2			4	5	4	997
4				3	64	2	1				1		1			1	2		600
2																			135
27		20	3	7	1582	29	6	8	7		46	15	20		8	31	58	17	3429
					1	1					1						1		10
2					14			2			1					2	4	1	64
1		2			44			1	1		9	1	2			1	8		166
2					119	2	1	3	2		7		6			2	11	1	363
11		2		2	249	7		1	3	1	10	4	3		1	4	11		601
3		1		2	352	5		1	2		5	1	8		1	6	10	5	796
4		4			334	5	1	3	2		5	1	4			5	5		726
1		1		1	159			1			3		1			3	3		306
24		10		5	1272	20	2	12	10	1	41	7	24		2	23	53	7	3032
					6						1						7		36
1		1			59		2	1			3	2				7	17	9	194
3		1		1	149		2		2		9	2	1			3	17	2	403
12		5	2	3	278	6	2	1	5		20	6	13		1	12	20	5	883
10		3	2	2	498	7	3	11	5		20	8	15		4	14	49	4	1532
17		4		8	783	18	4	5	6	1	25	4	13		2	20	35	1	2068
17		9		3	712	14	4	4			14		9		2	7	26	6	1735
8		1		1	400	3			1		9		1		2	2	5		818
68		24	4	18	2885	48	17	22	19	1	101	22	52		13	65	176	31	7669

TABLE 21.—DEATHS BY OCCUPATIONS

		AGRICULTURE, FORESTRY AND ANIMAL HUSBANDRY										
		Farmers	Farm laborers	Fishermen and oystermen	Gardeners, florists, fruit growers and nurserymen	Other agricultural and animal husbandry pursuits	EXTRACTION OF MINERALS	For-men, overseers and inspectors	Miners	Quarry operatives	MANUFACTURING AND MECHANICAL INDUSTRIES	Bakers
Diseases of the respiratory system (pneumonia and tuberculosis excepted)	Pneumonia											
	10 to 19			1								
	20 to 29			1								
	30 to 39			1								
	40 to 49			1								
	50 to 59			2	2	2			1			2
	60 to 69			2	4	3						1
	70 to 79			1	3	3						
	80 and over				1							
	Totals	27	8	1	10	2			1			6
Diseases of the digestive system												
	10 to 19											
	20 to 29											
	30 to 39	1				1			2			
	40 to 49	1							1			1
	50 to 59	3							1			
	60 to 69	3			2							1
	70 to 79	6	1	1	5							
	80 and over	4		1	2							
	Totals	18	1	2	9	1			4			2
Non-venereal diseases of the genito-urinary system and annexa												
	10 to 19											
	20 to 29			1								
	30 to 39	1		2								
	40 to 49	4			1							3
	50 to 59	5	3	1	1				2			
	60 to 69	10		1	3				2	1		3
	70 to 79	11		1					1			1
	80 and over	3			1							
	Totals	35	5	5	7				5	1		7
Totals												
	10 to 19											
	20 to 29			1								
	30 to 39	1										
	40 to 49	4	1	1	1	1						3
	50 to 59	15	1	2	6	1			1			3
	60 to 69	35	1		4	1			4			5
	70 to 79	36	7	8	7							1
	80 and over	34	2	3	1							1
	Totals	125	12	15	19	3			5			13

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Blacksmiths, forgers and hammermen	Boilermakers	Brick and stone masons	Builders and building contractors	Carpenters, coopers and cabinetmakers	Compositors, linotypers and typesetters	Dressmakers and seamstresses (not in factory)	Dyers	Electricians and electrical engineers	Engineers (stationary)	Engravers	Filters, grinders, buffers and polishers (metal)	Firemen (except locomotive and fire department)	Glassblowers	Jewelers, watchmakers, goldsmiths and silversmiths	Laborers (general and not specified)	Building and hand trades	Chemical industries	Clay and stone industries (excepting potteries)
1	1	2	1	3	1	2	1	3	2	1	1	3	2	33	2	1	1	1
1	1	2	1	3	1	2	1	3	2	1	1	3	2	33	2	1	1	1
3	1	3	2	6	1	2	1	1	2	1	1	2	1	13	1	2	2	2
1	1	1	1	1	1	1	1	1	2	1	1	1	1	7	1	1	1	1
6	2	9	5	28	3	2	5	5	1	1	5	4	134	6	3	3	3	3
1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1	1	1	1	3	1	1	1	1	2	1	1	3	1	12	1	2	1	1
2	1	1	1	5	1	1	1	1	1	1	1	1	1	8	1	1	1	1
2	3	1	10	1	1	1	1	1	1	1	1	1	1	7	1	1	1	1
5	7	4	20	1	1	1	1	3	1	4	1	4	4	57	2	3	1	1
1	1	1	6	1	1	1	1	3	1	1	1	1	1	13	1	1	1	1
1	1	1	3	2	1	1	1	3	1	1	1	1	1	11	1	1	1	1
1	1	1	6	7	2	1	1	1	1	1	1	1	1	28	1	1	1	1
3	2	3	9	1	1	1	1	5	1	1	2	2	2	32	1	1	1	1
4	6	12	3	1	1	1	1	4	1	1	2	2	1	13	1	1	1	1
1	2	1	5	1	1	1	1	1	1	1	1	1	1	4	1	1	1	1
1	1	2	1	1	1	1	1	1	1	1	1	1	1	3	1	1	1	1
6	12	19	43	5	3	6	15	2	3	7	6	105	3	3	3	3	3	3
1	1	1	1	1	1	1	1	1	1	1	1	1	1	7	1	1	1	1
1	1	1	3	1	1	1	1	1	1	1	1	1	1	15	1	1	1	1
2	1	1	10	4	2	2	2	2	1	2	2	2	2	34	1	1	1	1
5	4	2	14	1	3	2	3	5	1	1	2	2	3	47	3	1	2	2
7	2	6	29	2	1	2	6	2	2	2	2	1	3	52	1	1	2	2
1	3	8	30	2	1	2	8	2	2	1	1	5	43	2	2	2	2	2
3	6	13	2	2	2	2	2	2	2	2	2	1	19	1	1	1	1	1
25	2	17	16	100	3	11	3	9	22	5	2	7	2	14	218	8	5	5

DEPARTMENT OF HEALTH

TABLE 21.—DEATHS BY OCCUPATIONS

		Glass industries	Iron, steel and other metal industries	Leather industries	Lumber and furniture industries	Potteries	Rubber industries	Textile industries	Other industries	Machinists, millwrights and toolmakers	Managers, superintendents and foremen (manufacturing)	Manufacturers and officials	Mechanics (gunsmiths, locksmiths, wheelwrights, etc.)
Diseases of the respiratory system (pneumonia and tuberculosis excepted)	Pneumonia												
	10 to 19		1						1	1	1		3
	20 to 29		33							33	4		6
	30 to 39		12					2		5	3		2
	40 to 49	1				1		1	5	3	3	4	2
	50 to 59		2						2	3	12		2
	60 to 69						1			2	3		1
	70 to 79									1	2	2	
	80 and over												
	Totals	1	8			1	1	3	8	15	15	6	14
Diseases of the digestive system													
	10 to 19									1			
	20 to 29									1			
	30 to 39		1	1			1		2	2			
	40 to 49		2		1			1	3	1		1	
	50 to 59		1						2	3	3		2
	60 to 69		2						2	1	1	1	
	70 to 79									1	2	1	
	80 and over											1	
	Totals		6	1	1		1	1	9	9	6	4	2
Nonvenereal diseases of the genito-urinary system and annexa													
	10 to 19		1					1		1	2		4
	20 to 29		2							5	3	1	2
	30 to 39		2						5	5	6	3	6
	40 to 49	1							2	5	4	4	3
	50 to 59		2						4	12	4	3	2
	60 to 69		1					1		7	4	1	2
	70 to 79								2	2	1	1	1
	80 and over												
	Totals	1	10					2	11	32	20	9	18
Totals													
	10 to 19						1						1
	20 to 29									3	2	4	3
	30 to 39	1								9	6	2	3
	40 to 49		5			2				6	4	4	3
	50 to 59	1	2						3	8	3	7	1
	60 to 69	1	4				2	1	4	12	3	4	3
	70 to 79		1						3	9	4	7	3
	80 and over										3	2	1
	Totals	3	13			2	5	1	19	40	24	23	12

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	Potteries	Rubber Industries	Textile Industries	Other Industries	Shoemakers and cobblers (not in factory)	Stonecutters	Tailors and tailresses	Tinsmiths and coppersmiths	Upholsterers	Other manufacturing and mechanical industries	TRANSPORTATION	Water
Pneumonia												
10 to 19	1	2	2	2	1	1	1	1	1	1	1	1
20 to 29	1	2	2	2	1	1	1	1	1	1	1	1
30 to 39	1	2	2	2	1	1	1	1	1	1	1	1
40 to 49	1	2	2	2	1	1	1	1	1	1	1	1
50 to 59	1	2	2	2	1	1	1	1	1	1	1	1
60 to 69	1	2	2	2	1	1	1	1	1	1	1	1
70 to 79	1	2	2	2	1	1	1	1	1	1	1	1
80 and over	1	2	2	2	1	1	1	1	1	1	1	1
Totals	1	13	14	2	1	6	1	4	1	4	1	1
Diseases of the respiratory system (pneumonia and tuberculosis excepted)												
10 to 19	1	2	2	2	1	1	1	1	1	1	1	1
20 to 29	1	2	2	2	1	1	1	1	1	1	1	1
30 to 39	1	2	2	2	1	1	1	1	1	1	1	1
40 to 49	1	2	2	2	1	1	1	1	1	1	1	1
50 to 59	1	2	2	2	1	1	1	1	1	1	1	1
60 to 69	1	2	2	2	1	1	1	1	1	1	1	1
70 to 79	1	2	2	2	1	1	1	1	1	1	1	1
80 and over	1	2	2	2	1	1	1	1	1	1	1	1
Totals	1	9	7	3	2	2	4	6	1	6	1	1
Diseases of the digestive system												
10 to 19	1	2	2	2	1	1	1	1	1	1	1	1
20 to 29	1	2	2	2	1	1	1	1	1	1	1	1
30 to 39	1	2	2	2	1	1	1	1	1	1	1	1
40 to 49	1	2	2	2	1	1	1	1	1	1	1	1
50 to 59	1	2	2	2	1	1	1	1	1	1	1	1
60 to 69	1	2	2	2	1	1	1	1	1	1	1	1
70 to 79	1	2	2	2	1	1	1	1	1	1	1	1
80 and over	1	2	2	2	1	1	1	1	1	1	1	1
Totals	6	3	22	25	9	1	10	1	2	13	1	1
Nonvenereal diseases of the genito-urinary system and annexa												
10 to 19	1	2	2	2	1	1	1	1	1	1	1	1
20 to 29	1	2	2	2	1	1	1	1	1	1	1	1
30 to 39	1	2	2	2	1	1	1	1	1	1	1	1
40 to 49	1	2	2	2	1	1	1	1	1	1	1	1
50 to 59	1	2	2	2	1	1	1	1	1	1	1	1
60 to 69	1	2	2	2	1	1	1	1	1	1	1	1
70 to 79	1	2	2	2	1	1	1	1	1	1	1	1
80 and over	1	2	2	2	1	1	1	1	1	1	1	1
Totals	3	9	47	29	10	4	13	6	1	16	1	1

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TABLE 21.—DEATHS BY OCCUPATIONS

		Motormen	Officials and superintendents	Switchmen, flagmen and yardmen	Ticket and station agents	Other pursuits	Express, Post, Telegraph and Telephone	Express messengers and railway mail clerks	Linemen	Mail carriers	Telegraph operators	Telephone operators	Other pursuits
Diseases of the respiratory system (pneumonia and tuberculosis excepted)	Pneumonia												
	10 to 19												
	20 to 29												
	30 to 39					1							
	40 to 49			1	1	1		1					
	50 to 59	1				2							
	60 to 69	1		3		1				1			
	70 to 79									1			
	80 and over		1										
	Totals	2	1	4	2	4		1		2			
Diseases of the digestive system	10 to 19												
	20 to 29											1	
	30 to 39												
	40 to 49												
	50 to 59	1				1			1				
	60 to 69			1									
	70 to 79				1								
	80 and over												
	Totals	1		1	1	1			1				1
Nonvenereal diseases of the genito-urinary system and annexa	10 to 19												
	20 to 29									1			
	30 to 39					2					1		
	40 to 49			1	1						3		4
	50 to 59			1		1							
	60 to 69			4	1								
	70 to 79				1								
	80 and over												
	Totals			5	3	3				1	4	1	4
Nonvenereal diseases of the genito-urinary system and annexa	10 to 19												
	20 to 29											1	
	30 to 39	1								1			
	40 to 49	1		3	1			1		1			
	50 to 59			4		1				2	1		
	60 to 69	1	2	7	1	4				1			
	70 to 79	1		8		5		1			1		1
	80 and over			1	2					1			
	Totals	4	2	23	4	10		2		6	2	1	1

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TRADE	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	2101	2102	2103	2104	2105	2106	2107	2108	2109	2110	2111	2112	2113	2114	2115	2116	2117	2118	2119	2120	2121	2122	2123	2124	2125	2126	2127	2128	2129	2130	2131	2132	2133	2134	2135	2136	2137	2138	2139	2140	2141	2142	2143	2144	2145	2146	2147	2148	2149	2150	2151	2152	2153	2154	2155	2156	2157	2158	2159	2160	2161	2162	2163	2164	2165	2166	2167	2168	2169	2170	2171	2172	2173	2174	2175	2176	2177	2178	2179	2180	2181	2182	2183	2184	2185	2186	2187	2188	2189	2190	2191	2192	2193	2194	2195	2196	2197	2198	2199	2200	2201	2202	2203	2204	2205	2206	2207	2208	2209	2210	2211	2212	2213	2214	2215	2216	2217	2218	2219	2220	2221	2222	2223	2224	2225	2226	2227	2228	2229	2230	2231	2232	2233	2234	2235	2236	2237	2238	2239	2240	2241	2242	2243	2244	2245	2246	2247	2248	2249	2250	2251	2252	2253	2254	2255	2256	2257	2258	2259	2260	2261	2262	2263	2264	2265	2266	2267	2268	2269	2270	2271	2272	2273	2274	2275	2276	2277	2278	2279	2280	2281	2282	2283	2284	2285	2286	2287	2288	2289	2290	2291	2292	2293	2294	2295	2296	2297	2298	2299	2300	2301	2302	2303	2304	2305	2306	2307	2308	2309	2310	2311	2312	2313	2314	2315	2316	2317	2318	2319	2320	2321	2322	2323	2324	2325	2326	2327	2328	2329	2330	2331	2332	2333	2334	2335	2336	2337	2338	2339	2340	2341	2342	2343	2344	2345	2346	2347	2348	2349	2350	2351	2352	2353	2354	2355	2356	2357	2358	2359	2360	2361	2362	2363	2364	2365	2366	2367	2368	2369	2370	2371	2372	2373	2374	2375	2376	2377	2378	2379	2380	2381	2382	2383	2384	2385	2386	2387	2388	2389	2390	2391	2392	2393	2394	2395	2396	2397	2398	2399	2400	2401	2402	2403	2404	2405	2406	2407	2408	2409	2410	2411	2412	2413	2414	2415	2416	2417	2418	2419	2420	2421	2422	2423	2424	2425	2426	2427	2428	2429	2430	2431	2432	2433	2434	2435	2436	2437	2438	2439	2440	2441	2442	2443	2444	2445	2446	2447	2448	2449	2450	2451	2452	2453	2454	2455	2456	2457	2458	2459	2460	2461	2462	2463	2464	2465	2466	2467	2468	2469	2470	2471	2472	2473	2474	2475	2476	2477	2478	2479	2480	2481	2482	2483	2484	2485	2486	2487	2488	2489	2490	2491	2492	2493	2494	2495	2496	2497	2498	2499	2500	2501	2502	2503	2504	2505	2506	2507	2508	2509	2510	2511	2512	2513	2514	2515	2516	2517	2518	2519	2520	2521	2522	2523	2524	2525	2526	2527	2528	2529	2530	2531	2532	2533	2534	2535	2536	2537	2538	2539	2540	2541	2542	2543	2544	2545	2546	2547	2548	2549	2550	2551	2552	2553	2554	2555	2556	2557	2558	2559	2560	2561	2562	2563	2564	2565	2566	2567	2568	2569	2570	2571	2572	2573	2574	2575	2576	2577	2578	2579	2580	2581	2582	2583	2584	2585	2586	2587	2588	2589	2590	2591	2592	2593	2594	2595	2596	2597	2598	2599	2600	2601	2602	2603	2604	2605	2606	2607	2608	2609	2610	2611	2612	2613	2614	2615	2616	2617	2618	2619	2620	2621	2622	2623	2624	2625	2626	2627	2628	2629	2630	2631	2632	2633	2634	2635	2636	2637	2638	2639	2640	2641	2642	2643	2644	2645	2646	2647	2648	2649	2650	2651	2652	2653	2654	2655	2656	2657	2658	2659	2660	2661	2662	2663	2664	2665	2666	2667	2668	2669	2670	2671	2672	2673	2674	2675	2676	2677	2678	2679	2680	2681	2682	2683	2684	2685	2686	2687	2688	2689	2690	2691	2692	2693	2694	2695	2696	2697	2698	2699	2700	2701	2702	2703	2704	2705	2706	2707	2708	2709	2710	2711	2712	2713	2714	2715	2716	2717	2718	2719	2720	2721	2722	2723	2724	2725	2726	2727	2728	2729	2730	2731	2732	2733	2734	2735	2736	2737	2738	2739	2740	2741	2742	2743	2744	2745	2746	2747	2748	2749	2750	2751	2752	2753	2754	2755	2756	2757	2758	2759	2760	2761	2762	2763	2764	2765	2766	2767	2768	2769	2770	2771	2772	2773	2774	2775	2776	2777	2778	2779	2780	2781	2782	2783	2784	2785	2786	2787	2788	2789	2790	2791	2792	2793	2794	2795	2796	2797	2798	2799	2800	2801	2802	2803	2804	2805	2806	2807	2808	2809	2810	2811	2812	2813	2814	2815	2816	2817	2818	2819	2820	2821	2822	2823	2824	2825	2826	2827	2828	2829	2830	2831	2832	2833	2834	2835	2836	2837	2838	2839	2840	2841	2842	2843	2844	2845	2846	2847	2848	2849	2850	2851	2852	2853	2854	2855	2856	2857	2858	2859	2860	2861	2862	2863	2864	2865	2866	2867	2868	2869	2870	2871	2872	2873	2874	2875	2876	2877	2878	2879	2880	2881	2882	2883	2884	2885	2886	2887	2888	2889	2890	2891	2892	2893	2894	2895	2896	2897	2898	2899	2900	2901	2902	2903	2904	2905	2906	2907	2908	2909	2910	2911	2912	2913	2914	2915	2916	2917	2918	2919	2920	2921	2922	2923	2924	2925	2926	2927	2928	2929	2930	2931	2932	2933	2934	2935	2936	2937	2938	2939	2940	2941	2942	2943	2944	2945	2946	2947	2948	2949	2950	2951	2952	2953	2954	2955	2956	2957	2958	2959	2960	2961	2962	2963	2964	2965	2966	2967	2968	2969	2970	2971	2972	2973	2974	2975	2976	2977	2978	2979	2980	2981	2982	2983	2984	2985	2986	2987	2988	2989	2990	2991	2992	2993	2994	2995	2996	2997	2998	2999	3000
Bankers, brokers and moneylenders	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					

TABLE 21.—DEATHS BY OCCUPATIONS

		PROFESSIONAL SERVICE											
		Architects	Authors, editors and reporters	Chemists, assayers, etc.	Civil and mining engineers and surveyors	Clergymen	Dentists	Designers, draftsmen and inventors	Lawyers, judges and justices	Musicians and teachers of music	Photographers	Physicians and surgeons	Teachers and other educators
Diseases of the respiratory system (pneumonia and tuberculosis excepted)	Pneumonia												
	10 to 19			1				1					
	20 to 29												
	30 to 39			1						1			1
	40 to 49					1				1			2
	50 to 59				1	2	1	1					2
	60 to 69					2			1		1		1
	70 to 79					1							1
	80 and over												1
	Totals	1	2	2	1	6	1	2	1	2	1	1	7
Diseases of the digestive system	10 to 19												
	20 to 29												
	30 to 39		1										
	40 to 49												
	50 to 59		1										2
	60 to 69			1		1			1		1		1
	70 to 79												
	80 and over					2							
	Totals	2	1	3	1	3		1		1		3	
	Nonvenereal diseases of the genit-urinary system and annexa	10 to 19							1				
20 to 29													
30 to 39				1	1	1			2				4
40 to 49						3		1					3
50 to 59			2	1		4		4	2	2		2	2
60 to 69			1	1		3	1	2	2	1		2	5
70 to 79						1		2	2	1		1	
80 and over								1		1		1	
Totals		1	4	2	12	2	3	13	8			8	14

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AND AGE GROUPS, NEW JERSEY, 1930—Continued

Other professional and semi-professional pursuits	DOMESTIC AND PERSONAL SERVICE	Barbers, hairdressers and manicurists	Bartenders	Hotel keepers and managers	Housekeepers and stewards	Janitors and sextons	Laundresses and laundresses	Porters (except in stores)	Restaurant, cafe and lunch room keepers	Saloonkeepers	Servants	Waiters	Other Pursuits	CLERICAL OCCUPATIONS	Agents, canvassers and collectors	Bookkeepers, cashiers and accountants	Clerks (except clerks in stores)	Other clerical pursuits	Grand Total
1	31	63	55	73	85	56	22	4	1	1	3	6	13	12	2	2	1	1	22
1	63	73	85	56	22	4	1	1	1	1	4	12	1	1	1	2	1	1	92
4	55	4	1	1	1	1	1	1	1	1	13	12	4	4	2	3	8	1	199
4	73	1	1	1	1	1	1	1	1	1	12	1	1	1	2	3	12	2	255
1	85	1	1	1	1	1	1	1	1	1	4	2	12	1	1	2	6	1	263
1	56	4	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	234
1	22	4	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	125
12	392	15	3	2	5	...	32	3	12	...	3	11	39	5	1241	...	...	...	51
1	11	16	15	45	50	36	11	16	15	45	50	36	11	16	15	45	50	36	6
1	16	15	45	50	36	11	16	15	45	50	36	11	16	15	45	50	36	11	42
1	15	45	50	36	11	16	15	45	50	36	11	16	15	45	50	36	11	16	66
1	45	50	36	11	16	15	45	50	36	11	16	15	45	50	36	11	16	15	87
1	50	36	11	16	15	45	50	36	11	16	15	45	50	36	11	16	15	45	130
1	50	36	11	16	15	45	50	36	11	16	15	45	50	36	11	16	15	45	135
1	36	11	16	15	45	50	36	11	16	15	45	50	36	11	16	15	45	50	116
5	223	6	1	2	3	1	11	4	2	...	2	6	12	5	651	...	...	...	69
1	3	2	1	2	3	1	1	1	2	...	1	1	2	...	...	6	2	...	30
3	53	1	2	1	...	...	4	1	2	...	4	1	2	...	...	5	16	4	204
4	89	1	1	1	...	...	6	8	4	...	6	8	4	...	...	4	7	1	254
5	122	4	1	1	2	...	11	5	3	...	11	5	3	...	...	2	8	2	395
7	153	3	2	1	2	1	8	3	3	...	8	3	3	...	2	7	12	...	446
2	123	1	1	1	4	...	8	3	3	...	8	3	3	...	1	1	8	1	348
2	64	3	1	1	4	...	2	1	2	...	2	1	2	...	1	1	2	1	152
24	631	12	6	3	8	1	40	21	17	...	2	22	60	11	1881	...	...	...	52
1	3	...	...	...	...	...	1	1	...	...	1	1	...	...	...	2	2	2	18
2	36	2	...	...	...	...	4	1	...	...	4	1	...	...	...	3	4	4	93
2	139	1	1	1	1	...	10	1	1	...	10	1	1	...	...	4	13	2	276
2	217	1	1	1	2	...	16	1	1	...	16	1	1	...	1	5	14	1	470
1	288	4	5	3	2	1	10	2	6	...	10	2	6	...	2	4	21	...	698
9	357	4	5	2	1	1	11	3	3	...	11	3	3	...	2	8	18	5	883
7	295	4	...	1	1	...	3	1	3	...	3	1	3	...	1	7	10	2	768
2	141	2	1	1	...	...	1	...	...	...	1	...	...	...	1	4	3	...	317
26	1476	10	14	6	8	2	56	6	14	...	6	35	85	16	3503	...	...	...	...

DEPARTMENT OF HEALTH

TABLE 21.—DEATHS BY OCCUPATIONS

		AGRICULTURE, FORESTRY AND ANIMAL HUSBANDRY		FARM LABORERS		FISHERMEN AND OYSTERMEN		GARDENERS, FLORISTS, FRUIT GROWERS AND NURSERMEN		OTHER AGRICULTURAL AND ANIMAL HUSBANDRY PURSUITS		EXTRACTION OF MINERALS		FOREMEN, OVERSEERS AND INSPECTORS		MINERS		QUARRY OPERATIVES		MANUFACTURING AND MECHANICAL INDUSTRIES		BAKERS	
Suicide	10 to 19			1																			1
	20 to 29				1																		
	30 to 39		1	1												1							1
	40 to 49		2		1																		1
	50 to 59		5					1															
	60 to 69		10	2				1															1
	70 to 79		1																				1
	80 and over																						
Totals			19	4	2	4	1									1							4
Violent deaths (suicide excepted)	10 to 19		3	5		2		2															
	20 to 29		2	6	1	4	2									2							
	30 to 39		9	4		3		3								2		1					2
	40 to 49		5	6	2	1	1	1								1		2					1
	50 to 59		10	5	1	2	2	2								1							
	60 to 69		7	6	1	3	1							1									1
	70 to 79		5	3		5																	
	80 and over		4	1	1																		1
Totals			45	36	6	20	6							1		6		3					5
All other diseases and causes of death	10 to 19		1																				1
	20 to 29		1	1																			1
	30 to 39		2	1	2	1	2																1
	40 to 49		3	6	1	5		2															4
	50 to 59		7	2		4																	1
	60 to 69		11	2	1	3																	1
	70 to 79		11			1																	1
	80 and over		12		2																		
Totals			48	12	6	14	2																10
Summary	10 to 19		5	8		2																	2
	20 to 29		10	10	3	5	2									2		1					4
	30 to 39		23	11	4	10	9									7		3					9
	40 to 49		41	21	8	19	5									6							22
	50 to 59		96	26	7	42	11									12							24
	60 to 69		190	31	10	43	7							1		12		2					27
	70 to 79		245	32	18	51	5									5		1					13
	80 and over		177	15	15	22	2																5
Totals			787	154	65	194	41							1		44		7					106

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AND AGE GROUPS, NEW JERSEY, 1930—Continued

[illegible]

DEPARTMENT OF HEALTH

TABLE 21.—DEATHS BY OCCUPATIONS

		Glass industries	Iron, steel and other metal industries	Leather industries	Lumber and furniture industries	Potteries	Rubber industries	Textile industries	Other industries	Machinists, millwrights and toolmakers	Managers, superintendents and foremen (manufacturing)	Manufacturers and officials	Mechanics (gunsmiths, locksmiths, wheelwrights, etc.)
Suicide	10 to 19	..	..	..	..	..	..	..	..	..	..	..	..
	20 to 29	..	1	..	..	..	..	..	..	6	..	..	1
	30 to 39	..	..	..	..	..	..	..	..	..	2	..	..
	40 to 49	..	..	..	1	..	3	1	3	4	..	2	2
	50 to 59	..	3	..	..	..	..	1	2	1	..	1	..
	60 to 69	..	..	..	..	..	..	..	1	2	..	1	..
	70 to 79	..	..	..	..	..	..	..	..	3	1	..	..
	80 and over	..	..	..	..	..	..	..	..	..	..	..	..
Totals		..	6	..	1	..	3	2	6	16	3	4	3
Violent deaths (suicide excepted)	10 to 19	1	3	..	..	..	..	..	1	1	..	..	3
	20 to 29	1	3	..	..	..	..	..	3	5	5	1	11
	30 to 39	..	2	..	..	..	..	..	6	3	12	1	5
	40 to 49	..	2	..	1	..	..	1	4	4	3	2	5
	50 to 59	..	6	..	..	2	1	1	5	9	2	2	1
	60 to 69	..	..	..	1	..	..	..	3	5	2	3	1
	70 to 79	..	..	..	..	..	..	1	1	2	2	1	..
	80 and over	..	1	..	..	..	..	..	..	..	1	..	..
Totals		2	18	..	2	..	2	3	23	29	27	9	26
All other diseases and causes of death	10 to 19	..	..	..	..	..	..	..	1	..	..	..	..
	20 to 29	..	3	..	..	..	..	..	1	2	1	..	6
	30 to 39	..	1	..	1	..	..	..	3	5	3	1	3
	40 to 49	..	2	..	..	..	..	1	1	7	3	1	3
	50 to 59	..	1	..	..	1	1	..	2	12	6	2	2
	60 to 69	..	1	..	..	..	..	..	2	6	4	5	1
	70 to 79	..	1	..	..	..	..	..	..	..	..	..	..
	80 and over	..	..	..	..	..	..	..	..	1	..	..	..
Totals		..	9	..	2	1	..	10	35	20	9	15	..
Summary	10 to 19	2	4	..	..	1	1	4	3	..	..	..	3
	20 to 29	2	15	..	1	..	..	9	17	12	2	2	33
	30 to 39	3	18	1	1	2	2	3	27	54	36	7	35
	40 to 49	4	30	1	2	6	3	7	46	64	50	29	33
	50 to 59	2	38	1	3	1	7	5	39	103	60	40	26
	60 to 69	1	26	1	2	..	5	5	31	99	73	43	10
	70 to 79	1	8	..	5	..	3	4	15	50	39	43	11
	80 and over	..	2	..	1	..	1	2	1	9	11	16	5
Totals		14	141	4	15	9	22	27	172	399	281	180	156

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AND AGE GROUPS, NEW JERSEY, 1930—Continued

[illegible]

DEPARTMENT OF HEALTH

TABLE 21.—DEATHS BY OCCUPATIONS

	Potteries	Rubber Industries	Textile Industries	Other Industries	Shoemakers and cobblers (not in factory)	Stonecutters	Tailors and tailoresses	Tinsmiths and coppersmiths	Upholsterers	Other manufacturing and mechanical industries	TRANSPORTATION	Water
Suicide												
10 to 19		1	1							1		
20 to 29		1	1	1	1					1		
30 to 39												
40 to 49							1	1		1		
50 to 59	1		3	2	1		1	1				
60 to 69			3	1						1		
70 to 79			2							1		
80 and over										1		
Totals	1	2	14	7	2		2	2		5		
Violent deaths (suicide excepted)												
10 to 19			3	8	1					1		
20 to 29		1	4	8					1	5		
30 to 39			5	9			2	1		10		
40 to 49	2		8	8				1		7		
50 to 59	1	2	6	3	1		1			1		
60 to 69		1	3	7	2		2			2		
70 to 79		1	1		3		3	2				
80 and over			1		1							
Totals	3	5	31	43	8		8	4	1	26		
All other diseases and causes of death												
10 to 19			3	4						1		
20 to 29			4	1						2		
30 to 39		1		1						1		
40 to 49	1	1	3	3	3		4		1	2		
50 to 59	2		7	2						1		
60 to 69			6	3	1	2	1		1	5		
70 to 79			4		3	1		1				
80 and over			2	1	1							
Totals	3	2	29	15	8	3	5	1	2	12		
Summary												
10 to 19	1		10	25	1					3		
20 to 29	1	5	37	45	2		2	3	2	19		
30 to 39	1	6	35	38	6	1	14	2	2	26		
40 to 49	12	5	52	53	17	4	26	4	2	24		
50 to 59	13	9	93	52	22	8	27	9	7	36		
60 to 69	18	9	89	62	25	8	31	11	5	33		
70 to 79	5	10	73	35	30	10	17	11	2	21		
80 and over	1	3	15	8	9	2	8	4	2	7		
Totals	52	47	404	318	112	33	125	44	22	169		

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AND AGE GROUPS, NEW JERSEY, 1930—Continued

Boatmen, canal men, sailors and deck hands	Longshoremen and stevedores	Other pursuits	Road and street	Carriage and hack drivers, draymen, teamsters and expressmen	Chauffeurs	Contractors and foremen (road building)	Garage keepers and managers	Laborers (road building) and street cleaners	Livery stable keepers and managers, hostlers and stable hands	Other pursuits	Railroad	Baggagemen and freight agents	Brakemen	Conductors	Foremen, overseers and inspectors	Laborers	Locomotive engineers	Locomotive firemen
1	1				1			1					2					1
					3								1					

DEPARTMENT OF HEALTH

TABLE 21.—DEATHS BY OCCUPATIONS

		Motormen	Officials and superintendents	Switchmen, flagmen and yardmen	Ticket and station agents	Other pursuits	Express, Post, Telegraph and Telephone	Express messengers and railway mail clerks	Linemen	Mail carriers	Telegraph operators	Telephone operators	Other pursuits
Suicide	10 to 19	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	20 to 29	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	30 to 39	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	40 to 49	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	50 to 59	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	60 to 69	.....	.....	2	.....	.....	.....	.....	.....	1	1	.....	.....
	70 to 79	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....
	80 and over	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Totals		.....	.....	2	.....	1	.....	.....	.....	1	1	.....	1
Violent deaths (suicide excepted)	10 to 19	.....	.....	.....	.....	.....	.....	1	1	.....	.....	1	2
	20 to 29	.....	.....	.....	.....	.....	.....	1	1	.....	.....	1	.....
	30 to 39	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	40 to 49	1	.....	1	2	.....	.....	.....	.....	.....	1	1	.....
	50 to 59	2	.....	1	1	1	.....	.....	1	1	.....	.....	.....
	60 to 69	.....	.....	.....	1	1	.....	.....	.....	.....	1	1	.....
	70 to 79	1	1	2	.....	1	.....	1	.....	.....	.....	.....	1
	80 and over	.....	.....	.....	.....	1	.....	.....	.....	1	.....	.....	.....
Totals		4	1	4	4	4	.....	2	3	2	3	4	3
All other diseases and causes of death	10 to 19	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	2
	20 to 29	.....	.....	1	1	1	.....	.....	.....	.....	.....	2	.....
	30 to 39	.....	.....	.....	.....	.....	.....	.....	1	2	1	.....	.....
	40 to 49	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	1	.....
	50 to 59	.....	1	4	.....	.....	.....	.....	.....	.....	.....	1	1
	60 to 69	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	1
	70 to 79	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....
	80 and over	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Totals		.....	1	6	1	1	.....	.....	1	3	2	5	4
Summary	10 to 19	.....	.....	.....	.....	.....	.....	2	1	.....	1	7	4
	20 to 29	.....	.....	3	3	1	.....	1	2	2	1	9	1
	30 to 39	3	.....	1	3	6	.....	1	4	4	6	4	2
	40 to 49	7	1	10	9	3	.....	2	4	7	7	3	9
	50 to 59	6	2	15	4	14	.....	1	.....	6	5	2	6
	60 to 69	10	6	39	5	14	.....	1	.....	10	5	.....	7
	70 to 79	1	2	23	3	17		1		3	2		2
	80 and over	1	1	3	4	5				3	1		2
Totals		28	12	94	31	60		8	8	35	28	25	33

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AND AGE GROUPS, NEW JERSEY, 1930—Continued

TRADE	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	2101	2102	2103	2104	2105	2106	2107	2108	2109	2110	2111	2112	2113	2114	2115	2116	2117	2118	2119	2120	2121	2122	2123	2124	2125	2126	2127	2128	2129	2130	2131	2132	2133	2134	2135	2136	2137	2138	2139	2140	2141	2142	2143	2144	2145	2146	2147	2148	2149	2150	2151	2152	2153	2154	2155	2156	2157	2158	2159	2160	2161	2162	2163	2164	2165	2166	2167	2168	2169	2170	2171	2172	2173	2174	2175	2176	2177	2178	2179	2180	2181	2182	2183	2184	2185	2186	2187	2188	2189	2190	2191	2192	2193	2194	2195	2196	2197	2198	2199	2200	2201	2202	2203	2204	2205	2206	2207	2208	2209	2210	2211	2212	2213	2214	2215	2216	2217	2218	2219	2220	2221	2222	2223	2224	2225	2226	2227	2228	2229	2230	2231	2232	2233	2234	2235	2236	2237	2238	2239	2240	2241	2242	2243	2244	2245	2246	2247	2248	2249	2250	2251	2252	2253	2254	2255	2256	2257	2258	2259	2260	2261	2262	2263	2264	2265	2266	2267	2268	2269	2270	2271	2272	2273	2274	2275	2276	2277	2278	2279	2280	2281	2282	2283	2284	2285	2286	2287	2288	2289	2290	2291	2292	2293	2294	2295	2296	2297	2298	2299	2300	2301	2302	2303	2304	2305	2306	2307	2308	2309	2310	2311	2312	2313	2314	2315	2316	2317	2318	2319	2320	2321	2322	2323	2324	2325	2326	2327	2328	2329	2330	2331	2332	2333	2334	2335	2336	2337	2338	2339	2340	2341	2342	2343	2344	2345	2346	2347	2348	2349	2350	2351	2352	2353	2354	2355	2356	2357	2358	2359	2360	2361	2362	2363	2364	2365	2366	2367	2368	2369	2370	2371	2372	2373	2374	2375	2376	2377	2378	2379	2380	2381	2382	2383	2384	2385	2386	2387	2388	2389	2390	2391	2392	2393	2394	2395	2396	2397	2398	2399	2400	2401	2402	2403	2404	2405	2406	2407	2408	2409	2410	2411	2412	2413	2414	2415	2416	2417	2418	2419	2420	2421	2422	2423	2424	2425	2426	2427	2428	2429	2430	2431	2432	2433	2434	2435	2436	2437	2438	2439	2440	2441	2442	2443	2444	2445	2446	2447	2448	2449	2450	2451	2452	2453	2454	2455	2456	2457	2458	2459	2460	2461	2462	2463	2464	2465	2466	2467	2468	2469	2470	2471	2472	2473	2474	2475	2476	2477	2478	2479	2480	2481	2482	2483	2484	2485	2486	2487	2488	2489	2490	2491	2492	2493	2494	2495	2496	2497	2498	2499	2500	2501	2502	2503	2504	2505	2506	2507	2508	2509	2510	2511	2512	2513	2514	2515	2516	2517	2518	2519	2520	2521	2522	2523	2524	2525	2526	2527	2528	2529	2530	2531	2532	2533	2534	2535	2536	2537	2538	2539	2540	2541	2542	2543	2544	2545	2546	2547	2548	2549	2550	2551	2552	2553	2554	2555	2556	2557	2558	2559	2560	2561	2562	2563	2564	2565	2566	2567	2568	2569	2570	2571	2572	2573	2574	2575	2576	2577	2578	2579	2580	2581	2582	2583	2584	2585	2586	2587	2588	2589	2590	2591	2592	2593	2594	2595	2596	2597	2598	2599	2600	2601	2602	2603	2604	2605	2606	2607	2608	2609	2610	2611	2612	2613	2614	2615	2616	2617	2618	2619	2620	2621	2622	2623	2624	2625	2626	2627	2628	2629	2630	2631	2632	2633	2634	2635	2636	2637	2638	2639	2640	2641	2642	2643	2644	2645	2646	2647	2648	2649	2650	2651	2652	2653	2654	2655	2656	2657	2658	2659	2660	2661	2662	2663	2664	2665	2666	2667	2668	2669	2670	2671	2672	2673	2674	2675	2676	2677	2678	2679	2680	2681	2682	2683	2684	2685	2686	2687	2688	2689	2690	2691	2692	2693	2694	2695	2696	2697	2698	2699	2700	2701	2702	2703	2704	2705	2706	2707	2708	2709	2710	2711	2712	2713	2714	2715	2716	2717	2718	2719	2720	2721	2722	2723	2724	2725	2726	2727	2728	2729	2730	2731	2732	2733	2734	2735	2736	2737	2738	2739	2740	2741	2742	2743	2744	2745	2746	2747	2748	2749	2750	2751	2752	2753	2754	2755	2756	2757	2758	2759	2760	2761	2762	2763	2764	2765	2766	2767	2768	2769	2770	2771	2772	2773	2774	2775	2776	2777	2778	2779	2780	2781	2782	2783	2784	2785	2786	2787	2788	2789	2790	2791	2792	2793	2794	2795	2796	2797	2798	2799	2800	2801	2802	2803	2804	2805	2806	2807	2808	2809	2810	2811	2812	2813	2814	2815	2816	2817	2818	2819	2820	2821	2822	2823	2824	2825	2826	2827	2828	2829	2830	2831	2832	2833	2834	2835	2836	2837	2838	2839	2840	2841	2842	2843	2844	2845	2846	2847	2848	2849	2850	2851	2852	2853	2854	2855	2856	2857	2858	2859	2860	2861	2862	2863	2864	2865	2866	2867	2868	2869	2870	2871	2872	2873	2874	2875	2876	2877	2878	2879	2880	2881	2882	2883	2884	2885	2886	2887	2888	2889	2890	2891	2892	2893	2894	2895	2896	2897	2898	2899	2900	2901	2902	2903	2904	2905	2906	2907	2908	2909	2910	2911	2912	2913	2914	2915	2916	2917	2918	2919	2920	2921	2922	2923	2924	2925	2926	2927	2928	2929	2930	2931	2932	2933	2934	2935	2936	2937	2938	2939	2940	2941	2942	2943	2944	2945	2946	2947	2948	2949	2950	2951	2952	2953	2954	2955	2956	2957	2958	2959	2960	2961	2962	2963	2964	2965	2966	2967	2968	2969	2970	2971	2972	2973	2974	2975	2976	2977	2978	2979	2980	2981	2982	2983	2984	2985	2986	2987	2988	2989	2990	2991	2992	2993	2994	2995	2996	2997	2998	2999	3000
Bankers, brokers and moneylenders	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					

TABLE 21.—DEATHS BY OCCUPATIONS

		PROFESSIONAL SERVICE												Teachers and other educators	

BUREAU OF VITAL STATISTICS

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AND AGE GROUPS, NEW JERSEY, 1930—Continued

Other professional and semi-professional pursuits	DOMESTIC AND PERSONAL SERVICE	Barbers, hairdressers and manicurists	Bartenders	Hotel keepers and managers	Housekeepers and stewards	Janitors and sextons	Laundresses and laundresses	Porters (except in stores)	Restaurant, cafe and lunch room keepers	Saloonkeepers	Servants	Waiters	Other Pursuits	CLERICAL OCCUPATIONS	Agents, canvassers and collectors	Bookkeepers, cashiers and accountants	Clerks (except clerks in stores)	Other clerical pursuits	Grand Total
2	2	2	1	1	8	1	1	1	1	2	1	1	1	1	1	1	1	3	7
2	1	1	1	1	20	1	1	1	1	1	1	1	1	1	4	1	4	1	55
2	1	1	1	1	19	1	1	1	1	1	1	1	1	1	1	1	3	1	96
2	1	1	1	1	24	1	1	1	1	1	1	1	1	1	2	2	2	1	123
2	1	1	1	1	14	1	1	1	1	1	1	1	1	1	1	1	1	1	132
2	1	1	1	1	4	1	1	1	1	1	1	1	1	1	1	1	1	1	86
4	4	4	4	1	89	4	1	3	3	1	4	2	4	4	4	10	13	6	529
1	1	2	2	5	29	2	2	1	1	1	8	2	2	2	1	4	10	5	124
2	1	1	1	1	35	1	1	1	1	1	9	1	9	1	1	6	16	2	355
3	1	1	1	1	55	2	2	2	4	1	9	1	9	1	2	10	9	2	380
1	1	1	1	1	44	1	1	1	2	1	3	1	8	1	2	9	2	2	402
6	1	1	1	1	86	3	1	1	1	1	3	2	5	1	2	3	1	1	331
2	1	1	1	1	91	2	1	1	1	1	1	1	5	1	2	4	4	1	303
2	1	1	1	1	44	1	1	1	1	1	1	1	1	1	1	5	1	1	193
22	8	4	4	389	9	7	6	13	1	34	5	36	5	17	57	10	2176		
2	1	1	1	30	2	2	1	1	1	8	1	1	1	1	1	9	4	1	87
1	4	4	4	245	1	1	2	2	2	9	1	2	1	1	2	16	8	1	348
7	3	4	4	189	1	1	2	3	1	12	1	1	6	1	1	9	1	1	421
3	2	1	1	197	1	3	3	1	1	11	2	4	1	1	1	13	2	1	437
9	3	3	1	263	1	1	1	1	1	5	1	5	1	1	1	9	1	1	470
1	1	1	1	181	1	1	1	1	1	4	1	1	1	1	1	3	1	1	494
1	1	1	1	62	1	1	1	1	1	2	1	1	1	1	2	1	1	1	254
23	14	1	2	1313	7	8	8	7	1	59	7	20	4	9	68	19	2623		
4	3	72	1	2	1	2	1	1	1	21	5	9	1	7	50	27	449		
26	12	615	3	18	9	4	1	1	1	55	12	13	1	41	123	45	1989		
24	20	2	2	1077	5	12	8	16	1	75	24	22	6	32	103	16	2945		
45	29	9	7	1434	24	10	14	27	1	103	26	47	10	40	104	24	4390		
47	29	4	13	2077	39	16	27	19	3	85	27	45	17	50	157	12	5873		
59	17	3	19	2594	50	13	16	17	2	76	12	51	12	49	117	18	6500		
29	15	9	2011	43	7	10	4	1	1	45	3	23	6	24	59	14	4755		
15	3	1	4	954	8	3	1	2	1	20	1	7	3	15	14	1	1959		
279	128	19	54	10834	173	71	86	89	7	480	109	217	55	258	727	156	28860		

TABLE 22.—TABULATION OF DEATHS IN ATLANTIC COUNTY FOR 1930, ACCORDING TO THE ABRIDGED INTERNATIONAL LIST OF CAUSES OF DEATH

Abridged International List No.	CAUSE OF DEATH	AGE PERIODS																				
		Total	Male	Female	Color, if other than white	Under 1 year	1 year	2 years	3 years	4 years	Under 5 years	5 to 9	10 to 19	20 to 29	30 to 39	40 to 49	50 to 59	60 to 69	70 to 79	80 to 89	90 and over	Unknown
1	Typhoid fever	4	4		4							1	1	1		1						
2	Typhus fever																					
3	Malaria																					
4	Smallpox																					
5	Measles																					
6	Scarlet fever	1	1										1									
7	Whooping cough																					
8	Diphtheria and croup	3	1	2					1		1					1		1				
9	Influenza	15	12	3	5	3					3	1		1		4	3	2	1			
10	Asiatic cholera																					
11	Cholera nostras																					
12	Other epidemic diseases	3	2	1	1	1					1	1					1					
13	Tuberculosis of the lungs	88	54	34	44			4					9	20	26	10	12	6	5			
14	Tuberculosis meningitis	6	2	4	4						4	2										
15	Other forms of tuberculosis	8	4	4	6		1				1	1	2		1	1	2					
16	Cancer and other malignant tumors	166	79	87	9									2	5	18	27	55	37	11	1	
17	Simple meningitis	8	5	3	2	1		4	1		6	1										
18	Cerebral hemorrhage and softening	112	45	67	26										5	12	19	31	27	15	3	
19	Organic diseases of the heart	428	243	185	72							2	6	7	9	51	73	107	112	49	12	
20	Bronchitis	2		2															1			
21	Pneumonia	54	32	22	17	3	1				4		1	3	6	11	9	14	8	3		
22	Other diseases of the respiratory system (tuberculosis excepted)	43	19	24	18	13	2				15	1		4	2	2	7	3	7	2		
23	Diseases of the stomach (cancer excepted)	10	8	2	2	1	1				2				2		1	1	3	1		
24	Diarrhoea and enteritis (under 2 years)	21	8	13	5	16	5				21											
25	Appendicitis and typhlitis	17	10	7	3		1				1	1	3	2		4	2	3	1			
26	Hernia, intestinal obstruction	13	7	6	4	1	1				2			1	2		1	4	2	1		
27	Cirrhosis of the liver	16	7	9	1										2	3	6	1	4			
28	Acute nephritis and Bright's disease	154	74	80	29								2	5	6	13	26	37	44	16	5	
29	Noncancerous tumors and other diseases of the female genital organs	6		6	3										4	2						
30	Puerperal septicæmia (puerperal fever, peritonitis)	3		3	1								1	1	1							
31	Other puerperal accidents of pregnancy & labor	7		7										4	2	1						
32	Congenital debility and malformations	58	31	27	12	58					58											
33	Senility	4	2	2															3		1	
34	Suicide	16	11	5	1									3	3	7		1	2			
35	Violent deaths (suicide excepted)	117	75	42	24	4	1		1	1	7	10	14	11	14	12	13	18	8	8	1	1
36	Other diseases	195	114	81	44	12	3	2		1	18	4	8	9	18	33	34	28	33	9	1	
37	Unknown or ill-defined diseases	1		1	1		1				1											
	Total	1579	850	729	338	113	21	6	3	2	145	25	48	76	106	188	247	314	290	115	24	1

Estimated population, 125,821.

Total resident deaths, 1,579.

Rate per 1,000 population, 12.5.

TABULATION OF DEATHS IN ATLANTIC CITY FOR 1930 ACCORDING TO THE ABRIDGED INTERNATIONAL LIST OF CAUSES OF DEATH

Abridged International List No.	CAUSE OF DEATH	Total	Male	Female	Color, if other than white	AGE PERIODS																
						Under 1 year	1 year	2 years	3 years	4 years	Under 5 years	5 to 9	10 to 19	20 to 29	30 to 39	40 to 49	50 to 59	60 to 69	70 to 79	80 to 89	90 and over	Unknown
1	Typhoid fever	3	3		3							1		1		1						
2	Typhus fever																					
3	Malaria																					
4	Smallpox																					
5	Measles																					
6	Scarlet fever																					
7	Whooping cough																					
8	Diphtheria and croup	2	1	1							1						1					
9	Influenza	7	6	1	5	1					1						3	2	1			
10	Asiatic cholera																					
11	Cholera nostras																					
12	Other epidemic diseases	2	2		1	1					1							1				
13	Tuberculosis of the lungs	52	39	13	32								5	11	18	7	7	2	2			
14	Tuberculosis meningitis	4	1	3	3		3				3	1										
15	Other forms of tuberculosis	6	2	4	5		1				1	1	2					2				
16	Cancer and other malignant tumors	80	37	43	9											3	12	22	23	17	2	1
17	Simple meningitis	6	4	2	2	1		2	1		4	1					3	1				
18	Cerebral hemorrhage and softening	64	27	37	22											5	8	14	16	14	6	1
19	Organic diseases of the heart	233	130	103	56							1	3	4	6	34	44	67	51	18	5	
21	Bronchitis	1		1																		
22	Pneumonia	32	20	12	16	1					1		1			5	9	5	8	1	2	
23	Other diseases of the respiratory system (tuberculosis excepted)	31	15	16	18	12	2				14					3	2	2	5	1	2	
24	Diseases of the stomach (cancer excepted)	3	2	1	2	1					1						1	1				
25	Diarrhoea and enteritis (under 2 years)	8	3	5	4	7	1				8											
26	Appendicitis and typhlitis	10	7	3	3						1		1				3	2	2	1		
27	Hernia, intestinal obstruction	8	3	5	4	1	1				2					1	1			1	1	
28	Cirrhosis of the liver	8	5	3	1											1	1	3		3		
29	Acute nephritis and Bright's disease	93	46	47	25											1	5	5	12	21	21	18
30	Noncancerous tumors and other diseases of the female genital organs	5		5	3													3	2			
31	Puerperal septicaemia (puerperal fever, peritonitis)	2		2	1											1	1					
32	Other puerperal accidents of pregnancy & labor	4		4												3		1				
33	Congenital debility and malformations	30	14	16	10	30					30											
34	Senility	2		2																		
36	Suicide	11	6	5	1											3	1	5		1	1	
35	Violent deaths (suicide excepted)	56	38	18	18	1					1	3	5	7	8	8	8	10	3	3		
37	Other diseases	125	73	52	41	6	2			1	9	3	5	5	8	16	26	24	14	18	2	
38	Unknown or ill-defined diseases																					
	Total	888	484	404	285	62	11	2	2	1	78	11	23	47	75	137	161	168	134	44	10	

Estimated population, 66,576.

Total resident deaths, 888.

Rate per 1,000 population, 13.3.

TABULATION OF DEATHS IN PLEASANTVILLE CITY FOR 1930, ACCORDING TO THE ABRIDGED INTERNATIONAL LIST OF CAUSES OF DEATH

Abridged International List No.	CAUSE OF DEATH	AGE PERIODS																				
		Total	Male	Female	Color, if other than white	Under 1 year	1 year	2 years	3 years	4 years	Under 5 years	5 to 9	10 to 19	20 to 29	30 to 39	40 to 49	50 to 59	60 to 69	70 to 79	80 to 89	90 and over	Unknown
1	Typhoid fever																					
2	Typhus fever																					
3	Malaria																					
4	Smallpox																					
5	Measles																					
6	Scarlet fever																					
7	Whooping cough																					
8	Diphtheria and croup																					
9	Influenza	1		1															1			
10	Asiatic cholera																					
11	Cholera nostras																					
12	Other epidemic diseases																					
13	Tuberculosis of the lungs	13	3	10	7								1	3	6		1	1	1			
14	Tuberculosis meningitis																					
15	Other forms of tuberculosis	1	1		1												1					
16	Cancer and other malignant tumors	17	9	8													3	6	7			
17	Simple meningitis	1	1					1														
18	Cerebral hemorrhage and softening	11	7	4	3																	
19	Organic diseases of the heart	51	30	21	8								2	2	2	5	11	9	15	4	1	
21	Bronchitis																					
22	Pneumonia	4	1	3	1									1		1	1	1				
23	Other diseases of the respiratory system (tuberculosis excepted)	2	1	1													1		1			
24	Diseases of the stomach (cancer excepted)	3	3					1						1					1			
25	Diarrhoea and enteritis (under 2 years)	3	2	1		2	1				3											
26	Appendicitis and typhilitis	1	1											1								
27	Hernia, intestinal obstruction	1	1															1				
28	Cirrhosis of the liver	1		1													1					
29	Acute nephritis and Bright's disease	14	9	5	3												2	4	5	3		
30	Noncancerous tumors and other diseases of the female genital organs	1		1												1						
31	Puerperal septicaemia (puerperal fever, peritonitis)																					
32	Other puerperal accidents of pregnancy & labor																					
33	Congenital debility and malformations	7	1	6	1	7					7											
34	Senility	1	1																1			
36	Suicide	2	2													1	1					
35	Violent deaths (suicide excepted)	9	7	2	2	1					1	1	2		1	1	2			1		
37	Other diseases	9	4	5		1		1			2	1	1		1	2			2			
38	Unknown or ill-defined diseases																					
	Total	153	84	69	26	11	2	2			15	2	6	8	12	16	22	27	34	10	1	

Estimated Population, 11,719.

Total resident deaths, 153.

Rate per 1,000 population, 13.0.

TABULATION OF DEATHS IN BERGEN COUNTY FOR 1930, ACCORDING TO THE ABRIDGED INTERNATIONAL LIST OF CAUSES OF DEATH

Abridged International List No.	CAUSE OF DEATH	Total	Male	Female	Color, if other than white	AGE PERIODS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
						Under 1 year	1 year	2 years	3 years	4 years	Under 5 years	5 to 9	10 to 19	20 to 29	30 to 39	40 to 49	50 to 59	60 to 69	70 to 79	80 to 89	90 and over	Unknown																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
1	Typhoid fever	1																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											</

Estimated population, 368,740.

Total resident deaths, 3,252.

Rate per 1,000 population, 8.8.

TABULATION OF DEATHS IN CLIFFSIDE PARK BOROUGH FOR 1930, ACCORDING TO THE ABRIDGED INTERNATIONAL LIST OF CAUSES OF DEATH

Abridged international List No.	CAUSE OF DEATH	AGE PERIODS																				
		Total	Male	Female	Color, if other than white	Under 1 year	1 year	2 years	3 years	4 years	Under 5 years	5 to 9	10 to 19	20 to 29	30 to 39	40 to 49	50 to 59	60 to 69	70 to 79	80 to 89	90 and over	Unknown
1	Typhoid fever																					
2	Typhus fever																					
3	Malaria																					
4	Smallpox																					
5	Measles																					
6	Scarlet fever																					
7	Whooping cough																					
8	Diphtheria and croup	1	1									1										
9	Influenza																					
10	Asiatic cholera																					
11	Cholera nostras																					
12	Other epidemic diseases																					
13	Tuberculosis of the lungs	7	4	3										4	1	1		1				
14	Tuberculosis meningitis																					
15	Other forms of tuberculosis																					
16	Cancer and other malignant tumors	19	11	8											1	3	6	4	4	1		
17	Simple meningitis																					
18	Cerebral hemorrhage and softening	7	4	3													2	2	3			
19	Organic diseases of the heart	31	13	18								1	1	2	2	2	3	11	7	2		
21	Bronchitis																					
22	Pneumonia	6	3	3								1					1	1	1			
23	Other diseases of the respiratory system (tuberculosis excepted)	5	4	1		2					2		1	1				1				
24	Diseases of the stomach (cancer excepted)	2	2							1	1						1					
25	Diarrhoea and enteritis (under 2 years)	1	1			1					1											
26	Appendicitis and typhilitis																					
27	Hernia, intestinal obstruction	1	1															1				
28	Cirrhosis of the liver	1	1														1					
29	Acute nephritis and Bright's disease	4	2	2												1	1	1		1		
30	Noncancerous tumors and other diseases of the female genital organs	1		1											1							
31	Puerperal septicaemia (puerperal fever, peritonitis)	1		1											1							
32	Other puerperal accidents of pregnancy & labor																					
33	Congenital debility and malformations	5	3	2		5					5											
34	Senility	1		1																1		
36	Suicide	3	2	1											1		2					
35	Violent deaths (suicide excepted)	4	4				1		1	1	8				1							
37	Other diseases	16	7	9		2					2	2			2	2		4	3	1		
38	Unknown or ill-defined diseases																					
	Total	116	63	53		10	1	1	1	2	14	5	2	10	9	9	17	26	18	6		

Estimated population, 15,500.

Total resident deaths, 116.

Rate per 1,000 population, 7.4.

TABULATION OF DEATHS IN ENGLEWOOD CITY FOR 1930, ACCORDING TO THE ABRIDGED INTERNATIONAL LIST OF CAUSES OF DEATH

Abridged International List No.	CAUSE OF DEATH	AGE PERIODS																			
		Total	Male	Female	Color, if other than white	Under 1 year	1 year	2 years	3 years	4 years	Under 5 years	5 to 9	10 to 19	20 to 29	30 to 39	40 to 49	50 to 59	60 to 69	70 to 79	80 to 89	90 and over	Unknown
1	Typhoid fever																				
2	Typhus fever																				
3	Malaria																				
4	Smallpox																				
5	Measles																				
6	Scarlet fever																				
7	Whooping cough																				
8	Diphtheria and croup	1		1			1				1										
9	Influenza																				
10	Asiatic cholera																				
11	Cholera nostras	1	1														1				
12	Other epidemic diseases		6														1				
13	Tuberculosis of the lungs	9	6	3	3								1	1	1	3	1	2			
14	Tuberculosis meningitis																				
15	Other forms of tuberculosis	1	1		1																
16	Cancer and other malignant tumors	24	5	19	3										2	3	4	6	6	3	
17	Simple meningitis	1		1	1												1				
18	Cerebral hemorrhage and softening	20	8	12	5												3	2	7	5	3
19	Organic diseases of the heart	31	16	15	5									1	1	2	4	10	6	6	1
21	Bronchitis	1	1														1				
22	Pneumonia	4	4			1					1				1	1	1				
23	Other diseases of the respiratory system (tuberculosis excepted)	5	2	3	2	1				1	2				1		1		1		
24	Diseases of the stomach (cancer excepted)																				
25	Diarrhoea and enteritis (under 2 years)																				
26	Appendicitis and typhilitis	2	1	1										1				1			
27	Hernia, intestinal obstruction	2		2		1				1					1						
28	Cirrhosis of the liver	1		1													1				
29	Acute nephritis and Bright's disease	21	12	9	4										1	3	2	3	5	6	1
30	Noncancerous tumors and other diseases of the female genital organs	1		1	1											1					
31	Puerperal septicaemia (puerperal fever, peritonitis)																				
32	Other puerperal accidents of pregnancy & labor	1		1											1						
33	Congenital debility and malformations	7	6	1	4	7					7										
34	Senility																				
36	Suicide	3	3		1										1		2				
35	Violent deaths (suicide excepted)	8	4	4	2							1	1	1	2				2	1	
37	Other diseases	17	11	6	5	1					1		2		1	2	1	6	4		
38	Unknown or ill-defined diseases																				
Total		161	81	80	37	11	1			1	13	1	4	5	13	15	23	30	31	21	5

Estimated population, 17,956.

Total resident deaths, 161.

Rate per 1,000 population, 8.9.

TABULATION OF DEATHS IN GARFIELD CITY FOR 1930, ACCORDING TO THE ABRIDGED INTERNATIONAL LIST OF CAUSES OF DEATH

Abridged International List No.	CAUSE OF DEATH	Total	Male	Female	Color, if other than white	AGE PERIODS																
						Under 1 year	1 year	2 years	3 years	4 years	Under 5 years	5 to 9	10 to 19	20 to 29	30 to 39	40 to 49	50 to 59	60 to 69	70 to 79	80 to 89	90 and over	Unknown
1	Typhoid fever																					
2	Typhus fever																					
3	Malaria																					
4	Smallpox																					
5	Measles																					
6	Scarlet fever																					
7	Whooping cough																					
8	Diphtheria and croup	2		2	1		1	1			2											
9	Influenza	2	2			1			1		2											
10	Asiatic cholera																					
11	Cholera nostras																					
12	Other epidemic diseases	3	2	1		1					1					1	1					
13	Tuberculosis of the lungs	19	10	9									4	5	3	5	2					
14	Tuberculosis meningitis	2	1	1		1					1		1									
15	Other forms of tuberculosis	3	1	2										2	1							
16	Cancer and other malignant tumors	19	10	9		1					1				1	3	7	5	2			
17	Simple meningitis	1	1											1								
18	Cerebral hemorrhage and softening	17	8	9									1	1		2	5	5	2	1		
19	Organic diseases of the heart	40	25	15	1								3	1	3	2	11	12	5	3		
21	Bronchitis																					
22	Pneumonia	9	7	2	1	1		1		1	2		1			2	3		1			
23	Other diseases of the respiratory system (tuberculosis excepted)	7	4	3		3					3		1		2			1				
24	Diseases of the stomach (cancer excepted)	2	2													1		1				
25	Diarrhoea and enteritis (under 2 years)	2	1	1		1	1				2											
26	Appendicitis and typhlitis	3	2	1										1		1		1				
27	Hernia, intestinal obstruction	1		1														1				
28	Cirrhosis of the liver	5	4	1														1				
29	Acute neuritis and Bright's disease	8	4	4												3		2				
30	Noncancerous tumors and other diseases of the female genital organs	2		2											1		1					
31	Puerperal septicaemia (puerperal fever, peritonitis)																					
32	Other puerperal accidents of pregnancy & labor	1		1												1						
33	Congenital debility and malformations	19	12	7	1	19					19											
34	Senility	1	1																		1	
35	Suicide	2	1	1												1		1				
36	Violent deaths (suicide excepted)	18	13	5		1	1				2	3	2	3	2	4	1		1			
37	Other diseases	24	17	7		5					5		1	1	2	4	4	5	2			
38	Unknown or ill-defined diseases	1	1													1						
	Total	213	129	84	4	34	3	2	1	40	3	15	16	17	30	39	35	13	5			

Estimated population, 29,992.

Total resident deaths, 213.

Rate per 1,000 population, 7.1.

TABULATION OF DEATHS IN HACKENSACK CITY FOR 1930, ACCORDING TO THE ABRIDGED INTERNATIONAL LIST OF CAUSES OF DEATH

Abridged International List No.	CAUSE OF DEATH	AGE PERIODS																				
		Total	Male	Female	Color, if other than white	Under 1 year	1 year	2 years	3 years	4 years	Under 5 years	5 to 9	10 to 19	20 to 29	30 to 39	40 to 49	50 to 59	60 to 69	70 to 79	80 to 89	90 and over	Unknown
1	Typhoid fever																					
2	Typhus fever																					
3	Malaria																					
4	Smallpox																					
5	Measles																					
6	Scarlet fever																					
7	Whooping cough																					
8	Diphtheria and croup																					
9	Influenza	1	1										1									
10	Asiatic cholera																					
11	Cholera nostras	2		2	1		1				1							1				
12	Other epidemic diseases	6	3	3	2								1	1	2		2					
13	Tuberculosis of the lungs																					
14	Tuberculosis meningitis	2	1	1	2							1	1									
15	Other forms of tuberculosis	36	16	20	2							1	1		3	6	5	8	10	2		
16	Cancer and other malignant tumors																					
17	Simple meningitis	8	2	6	2											1	1	2	4	1		
18	Cerebral hemorrhage and softening	66	35	31	11							1	1		1	7	8	20	15	10	3	
19	Organic diseases of the heart	1	1														1					
21	Bronchitis	16	10	6	4	1	1				2			2	1	2	6		3			
22	Pneumonia																					
23	Other diseases of the respiratory system (tuberculosis excepted)	5	3	2	1	2	1				3			1					1			
24	Diseases of the stomach (cancer excepted)	1	1								1						1					
25	Diarrhoea and enteritis (under 2 years)	1		1	1	1																
26	Appendicitis and typhilitis	6	2	4								1			2		1	2				
27	Hernia, intestinal obstruction	2	1	1											1			1				
28	Cirrhosis of the liver	5	4	1	1										1	1	3		1			
29	Acute nephritis and Bright's disease	22	10	12	3								1		1		2	8	7	2	1	
30	Noncancerous tumors and other diseases of the female genital organs																					
31	Puerperal septicaemia (puerperal fever, peritonitis)																					
32	Other puerperal accidents of pregnancy & labor	3		3											2	1						
33	Congenital debility and malformations	9	6	3	1	8		1			9											
34	Senility																					
36	Suicide	2	1	1												1						
35	Violent deaths (suicide excepted)	21	16	5	2					1	1	1	1	3	4	6		1	3		1	
37	Other diseases	41	23	18	5	6					6	2	1		4	3	2	7	12	4		
38	Unknown or ill-defined diseases																					
	Total	256	136	120	38	18	3	1		1	23	7	8	8	21	28	31	50	55	20	5	

Estimated population, 24,736.

Total resident deaths, 256.

Rate per 1,000 population, 10.3.

TABULATION OF DEATHS IN LODI BOROUGH FOR 1930, ACCORDING TO THE ABRIDGED INTERNATIONAL LIST OF CAUSES OF DEATH

Abridged International List No.	CAUSE OF DEATH	Total	Male	Female	Color, if other than white	AGE PERIODS																
						Under 1 year	1 year	2 years	3 years	4 years	Under 5 years	5 to 9	10 to 19	20 to 29	30 to 39	40 to 49	50 to 59	60 to 69	70 to 79	80 to 89	90 and over	Unknown
1	Typhoid fever																					
2	Typhus fever																					
3	Malaria																					
4	Smallpox																					
5	Measles																					
6	Scarlet fever																					
7	Whooping cough																					
8	Diphtheria and croup	3	3				1			2	3											
9	Influenza	4	1	3							2		1							1		
10	Asiatic cholera																					
11	Cholera nostras																					
12	Other epidemic diseases	1		1		1					1											
13	Tuberculosis of the lungs	7	1	6									1	2	2	2						
14	Tuberculosis meningitis																					
15	Other forms of tuberculosis	1		1													1					
16	Cancer and other malignant tumors	5	5											1	1		1		1	1		
17	Simple meningitis																					
18	Cerebral hemorrhage and softening	4	3	1		1					1							1			1	
19	Organic diseases of the heart	20	18	7	1	1					1	1	3	1		3	5	3	1	2		
21	Bronchitis	1	1			1					1											
22	Pneumonia	3	3														2		1			
23	Other diseases of the respiratory system (tuberculosis excepted)	3	2	1		2	1				3											
24	Diseases of the stomach (cancer excepted)																					
25	Diarrhoea and enteritis (under 2 years)																					
26	Appendicitis and typhilitis	4	1	3										2	1		1					
27	Hernia, intestinal obstruction																					
28	Cirrhosis of the liver																					
29	Acute nephritis and Bright's disease	7	4	3	1											1		3	2	1		
30	Noncancerous tumors and other diseases of the female genital organs	3		3												1	1		1			
31	Puerperal septicaemia (puerperal fever, peritonitis)																					
32	Other puerperal accidents of pregnancy & labor																					
33	Congenital debility and malformations	9	6	3	2	9					9											
34	Senility																					
35	Suicide	1	1													1						
36	Violent deaths (suicide excepted)	4	3	1												2	1	1				
37	Other diseases	16	7	9	1	1					1	2	3	3		2	2	2		2		
38	Unknown or ill-defined diseases																					
Total		96	54	42	5	18	2			8	23	4	10	5	7	8	14	10	7	7	1	

Estimated population, 11,631.

Total resident deaths, 96.

Rate per 1,000 population, 8.2.

TABULATION OF DEATHS IN RIDGEFIELD PARK FOR 1930, ACCORDING TO THE ABRIDGED INTERNATIONAL LIST OF CAUSES OF DEATH

Abridged International List No.	CAUSE OF DEATH	Total	Male	Female	Color, if other than white	AGE PERIODS																	Unknown
						Under 1 year	1 year	2 years	3 years	4 years	Under 5 years	5 to 9	10 to 19	20 to 29	30 to 39	40 to 49	50 to 59	60 to 69	70 to 79	80 to 89	90 and over		
1	Typhoid fever																						
2	Typhus fever																						
3	Malaria																						
4	Smallpox																						
5	Measles																						
6	Scarlet fever																						
7	Whooping cough																						
8	Diphtheria and croup																						
9	Influenza	2	1	1													1	1					
10	Asiatic cholera																						
11	Cholera nostras																						
12	Other epidemic diseases	1	1			1																	
13	Tuberculosis of the lungs	4	2	2			1							1					1				
14	Tuberculosis meningitis	1		1							1				1								
15	Other forms of tuberculosis																						
16	Cancer and other malignant tumors	13	5	8											1	2	3	3	1	3			
17	Simple meningitis																						
18	Cerebral hemorrhage and softening	6	1	5													1	1	3	1			
19	Organic diseases of the heart	29	13	16										2		2	7	7	6	4	1		
20	Bronchitis																						
21	Pneumonia	5	1	4												2	1		2				
22	Other diseases of the respiratory system (tuberculosis excepted)	1		1																1			
23	Diseases of the stomach (cancer excepted)																						
24	Diarrhoea and enteritis (under 2 years)																						
25	Appendicitis and typhlitis	4	1	3												2	1		1				
26	Hernia, intestinal obstruction	4	3	1												1	1	1		1			
27	Cirrhosis of the liver	2	2															1	1				
28	Acute nephritis and Bright's disease	12	8	4												1		3	3	1	4		
29	Noncancerous tumors and other diseases of the female genital organs																						
30	Puerperal septicaemia (puerperal fever, peritonitis)	1		1												1							
31	Other puerperal accidents of pregnancy & labor																						
32	Congenital debility and malformations	2		2		2					2												
33	Senility																						
34	Suicide	2	2																				
35	Violent deaths (suicide excepted)	1	1																				
36	Other diseases	17	9	8						1	1	1	1	1	2	1	5	3	1		1		
37	Unknown or ill-defined diseases																						
38	Total	107	50	57		3	1			1	5	1	1	6	8	10	22	21	17	14	2		

Estimated population, 10,817.

Total resident deaths, 107.

Rate per 1,000 population, 9.8.

TABULATION OF DEATHS IN RIDGEWOOD VILLAGE FOR 1930, ACCORDING TO THE ABRIDGED INTERNATIONAL LIST OF CAUSES OF DEATH

Abridged International List No.	CAUSE OF DEATH	AGE PERIODS															
		Total	Male	Female	Color, if other than white	AGE PERIODS										10 to 19	20 to 29
						Under 1 year	1 year	2 years	3 years	4 years	Under 5 years	5 to 9	10 to 19	20 to 29	30 to 39	40 to 49	50 to 59
1	Typhoid fever																
2	Typhus fever																
3	Malaria																
4	Smallpox																
5	Measles																
6	Scarlet fever																
7	Whooping cough																
8	Diphtheria and croup																
9	Influenza	6	3	3											1	1	1
10	Asiatic cholera																
11	Cholera nostras																
12	Other epidemic diseases	1		1										1			
13	Tuberculosis of the lungs	4	2	2												2	1
14	Tuberculosis meningitis																1
15	Other forms of tuberculosis																
16	Cancer and other malignant tumors	13	7	6											1	3	2
17	Simple meningitis																
18	Cerebral hemorrhage and softening	12	5	7	1											3	2
19	Organic diseases of the heart	36	14	22											1	4	8
20	Bronchitis	3	2	1		1					1						1
21	Pneumonia	4	2	2													3
22	Other diseases of the respiratory system (tuberculosis excepted)	3	2	1		1					1					1	
23	Diseases of the stomach (cancer excepted)	1	1														1
24	Diarrhoea and enteritis (under 2 years)	1	1			1					1						
25	Appendicitis and typhilitis	1	1												1		
26	Hernia, intestinal obstruction																
27	Cirrhosis of the liver															1	2
28	Acute nephritis and Bright's disease	9	3	6													3
29	Noncancerous tumors and other diseases of the female genital organs																3
30	Puerperal septicæmia (puerperal fever, peritonitis)																
31	Other puerperal accidents of pregnancy & labor																
32	Congenital debility and malformations	4	4			4					4						
33	Senility																
34	Suicide	4	4												2	1	1
35	Violent deaths (suicide excepted)	10	7	3	1										2	2	1
36	Other diseases	12	9	3	1	1			1		2				2	1	3
37	Unknown or ill-defined diseases	1		1							1						
38	Total	125	67	58	3	8	1		1		10		1	5	8	8	20

Estimated population, 12,300.

Total resident deaths, 125.

Rate per 1,000 population, 10.1.

TABULATION OF DEATHS IN RUTHERFORD BOROUGH FOR 1930, ACCORDING TO THE ABRIDGED INTERNATIONAL LIST OF CAUSES OF DEATH

Abridged International List No.	CAUSE OF DEATH	AGE PERIODS																				
		Total	Male	Female	Color, if other than white	Under 1 year	1 year	2 years	3 years	4 years	Under 5 years	5 to 9	10 to 19	20 to 29	30 to 39	40 to 49	50 to 59	60 to 69	70 to 79	80 to 89	90 and over	Unknown
1	Typhoid fever																					
2	Typhus fever																					
3	Malaria																					
4	Smallpox																					
5	Measles																					
6	Scarlet fever																					
7	Whooping cough																					
8	Diphtheria and croup																					
9	Influenza																					
10	Asiatic cholera																					
11	Cholera nostras			2									1						1			
12	Other epidemic diseases	2																				
13	Tuberculosis of the lungs	5	4	1	3									1	2		2					
14	Tuberculosis meningitis																					
15	Other forms of tuberculosis	1	1											1								
16	Cancer and other malignant tumors	17	4	13												1	5	7	1	3		
17	Simple meningitis																					
18	Cerebral hemorrhage and softening	8	2	6													2	4	1		1	
19	Organic diseases of the heart	40	16	24	1										1	3	10	12	11	2	1	
21	Bronchitis																					
22	Pneumonia	10	5	5	3										1	2	2		4	1		
23	Other diseases of the respiratory system (tuberculosis excepted)	2		2								1	1									
24	Diseases of the stomach (cancer excepted)																					
25	Diarrhoea and enteritis (under 2 years)																					
26	Appendicitis and typhilitis	3	2	1	1					1	1					1		1	1			
27	Hernia, intestinal obstruction	2	2																			
28	Cirrhosis of the liver	1	1															1				
29	Acute nephritis and Bright's disease	16	8	8	1										1	2	1	6	5	1		
30	Noncancerous tumors and other diseases of the female genital organs	2		2													1	1				
31	Puerperal septicæmia (puerperal fever, peritonitis)	2		2											2							
32	Other puerperal accidents of pregnancy & labor	1		1											1							
33	Congenital debility and malformations	3	2	1		3					3											
34	Senility																					
35	Suicide	4	3	1											1				1			
36	Violent deaths (suicide excepted)	6	4	2					1	1		1					2	1	1			
37	Other diseases	18	8	10				2		2						1	3	4	7	1		
38	Unknown or ill-defined diseases																					
	Total	143	62	81	9	3		2		7	1	3	2	9	10	30	38	33	7	3		

Estimated population, 15,047.

Total resident deaths, 143.

Rate per 1,000 population, 9.5.

TABULATION OF DEATHS IN BURLINGTON COUNTY FOR 1930, ACCORDING TO THE ABRIDGED INTERNATIONAL LIST OF CAUSES OF DEATH

Abridged International List No.	CAUSE OF DEATH	Total	Male	Female	Color, if other than white	AGE PERIODS																
						Under 1 year	1 year	2 years	3 years	4 years	Under 5 years	5 to 9	10 to 19	20 to 29	30 to 39	40 to 49	50 to 59	60 to 69	70 to 79	80 to 89	90 and over	Unknown
1	Typhoid fever	3	3											1			2					
2	Typhus fever																					
3	Malaria																					
4	Smallpox																					
5	Measles	2	1	1		1	1				2											
6	Scarlet fever	2	2									2										
7	Whooping cough	2	1	1	1	1	1				2											
8	Diphtheria and croup	1	1									1	1	1		3		2	1			
9	Influenza	11	7	4		1					1	1	1				2	2	1			
10	Asiatic cholera																					
11	Cholera nostras																					
12	Other epidemic diseases	2	2			1		1			2											
13	Tuberculosis of the lungs	51	22	29	12	1					1		9	9	9	11	3	5	3	1		
14	Tuberculosis meningitis																					
15	Other forms of tuberculosis	5	1	4	1										1	1		2		1		
16	Cancer and other malignant tumors	122	49	73	3					1	1		1	1	3	14	29	31	31	12		
17	Simple meningitis	1	1																			
18	Cerebral hemorrhage and softening	81	46	35	6								1	1	1	8	13	11	31	15	1	
19	Organic diseases of the heart	259	140	119	18	1	1		1		3	2	2	7	6	22	27	53	77	50	10	
21	Bronchitis	4	1	3		1					1											
22	Pneumonia	56	29	27	6	5	2	2		2	11	2	1		11	7	13	5	2	3	1	
23	Other diseases of the respiratory system (tuberculosis excepted)	33	23	10	5	12	2	1	1		16	1	2		1	1	1	3	6	2		
24	Diseases of the stomach (cancer excepted)	12	9	3			2				2			2	1	2	4		1			
25	Diarrhoea and enteritis (under 2 years)	19	12	7		17	2				19											
26	Appendicitis and typhlitis	10	8	2								3	3	1			1	1	1			
27	Hernia, intestinal obstruction	6	3	3		1					1				2	1	1		2			
28	Cirrhosis of the liver	6	4	2													1	2	2	1		
29	Acute nephritis and Bright's disease	136	61	75	15								2	1	1	8	22	39	30	26	7	
30	Noncancerous tumors and other diseases of the female genital organs	4		4	1										1	1	1			1		
31	Puerperal septicaemia (puerperal fever, peritonitis)	1		1												1						
32	Other puerperal accidents of pregnancy & labor	6		6	1								3	1	2							
33	Congenital debility and malformations	43	23	20	7	42		1			43					2						
34	Senility	8	2	6											1	1			1	6	1	
36	Suicide	12	11	1											1	2	5	2				
35	Violent deaths (suicide excepted)	92	55	37	5	1	3	1	1		6	9	9	8	8	14	12	6	10	8	1	1
37	Other diseases	118	65	53	9	6	1	2	1	1	11	5	7	6	10	14	13	17	24	10	1	
38	Unknown or ill-defined diseases	1	1															1				
	Total	1109	583	526	90	91	15	7	5	4	122	25	42	40	61	106	148	182	223	137	22	1

Estimated population, 93,828.

Total resident deaths, 1,109.

Rate per 1,000 population, 11.8.

TABULATION OF DEATHS IN BURLINGTON CITY FOR 1930, ACCORDING TO THE ABRIDGED INTERNATIONAL LIST OF CAUSES OF DEATH

Abridged International List No.	CAUSE OF DEATH	Total	Male	Female	Color, if other than white	AGE PERIODS																
						Under 1 year	1 year	2 years	3 years	4 years	Under 5 years	5 to 9	10 to 19	20 to 29	30 to 39	40 to 49	50 to 59	60 to 69	70 to 79	80 to 89	90 and over	Unknown
1	Typhoid fever	1	1														1					
2	Typhus fever																					
3	Malaria																					
4	Smallpox																					
5	Measles	1		1			1				1											
6	Scarlet fever																					
7	Whooping cough																					
8	Diphtheria and croup																					
9	Influenza	1	1															1				
10	Asiatic cholera																					
11	Cholera nostras																					
12	Other epidemic diseases																					
13	Tuberculosis of the lungs	9	3	6	4								3	2	1	1	2					
14	Tuberculosis meningitis																					
15	Other forms of tuberculosis	1		1														1				
16	Cancer and other malignant tumors	10	7	3	1											1	2	2	5			
17	Simple meningitis																					
18	Cerebral hemorrhage and softening	6	1	5	1											1	1		3	1		
19	Organic diseases of the heart	42	24	18	4	1			1		2	1		2	3	3	2	7	14	7	1	
20	Bronchitis																					
21	Pneumonia	8	3	5	2	3	1				4		1				1	1	1			
22	Other diseases of the respiratory system (tuberculosis excepted)	3	2	1	1	2					2								1			
23	Diseases of the stomach (cancer excepted)	1	1														1					
24	Diarrhoea and enteritis (under 2 years)																					
25	Appendicitis and typhilitis	2	2														1					
26	Hernia, intestinal obstruction	1	1														1					
27	Cirrhosis of the liver	1	1																			
28	Acute nephritis and Bright's disease	19	6	13	4											1	2	2	11		3	
29	Noncancerous tumors and other diseases of the female genital organs	2		2	1											1						
30	Puerperal septicaemia (puerperal fever, peritonitis)																					
31	Other puerperal accidents of pregnancy & labor																					
32	Congenital debility and malformations	2	1	1	2	2					2											
33	Senility																					
34	Suicide	1	1														1					
35	Violent deaths (suicide excepted)	12	5	7	1		2				2			1	2		3	1	2	1		
36	Other diseases	13	6	7	2			1		1	2		1	2	1		2	1	2	1	1	
37	Unknown or ill-defined diseases																					
	Total	136	66	70	23	8	4	1	1	1	15	3	5	8	8	11	17	26	28	13	2	...

Estimated population, 10,888.

Total resident deaths, 136.

Rate per 1,000 population, 12.4.

TABULATION OF DEATHS IN CAMDEN COUNTY FOR 1930, ACCORDING TO THE ABRIDGED INTERNATIONAL LIST OF CAUSES OF DEATH

Abridged International List No.	CAUSE OF DEATH	AGE PERIODS																				
		Total	Male	Female	Color, if other than white	Under 1 year	1 year	2 years	3 years	4 years	Under 5 years	5 to 9	10 to 19	20 to 29	30 to 39	40 to 49	50 to 59	60 to 69	70 to 79	80 to 89	90 and over	Unknown
1	Typhoid fever	5	3	2	3								1	3					1			
2	Typhus fever																					
3	Malaria																					
4	Smallpox																					
5	Measles	5	2	3		2			1		5											
6	Scarlet fever	5	2	3		2		1			3	1	1									
7	Whooping cough	4	1	3	2	2			2		4											
8	Diphtheria and croup	14	4	10	1	2	3	3	1	3	12	2										
9	Influenza	26	10	16	6	4		1			5	1	1	1	4	4	4	4	1	1		
10	Asiatic cholera																					
11	Cholera nostras										2	1	1			3	3	2				
12	Other epidemic diseases	12	6	6			1			1	2					3	5					
13	Tuberculosis of the lungs	142	85	57	25						2	2	7	33	30	26	21	19	2	2		
14	Tuberculosis meningitis																					
15	Other forms of tuberculosis	13	6	7	1					1	1	2	1	4	3	1		1		1		
16	Cancer and other malignant tumors	248	111	137	15					1	1		1	2	6	36	45	80	60	17		
17	Simple meningitis	2	2			1				1	2											
18	Cerebral hemorrhage and softening	215	107	106	27									1	4	13	35	61	62	34	3	
19	Organic diseases of the heart	625	308	317	41	6		1		2	9	2	11	8	23	55	87	166	163	91	10	
20	Bronchitis	7	3	4	1	2	1				3					1			2	1		
21	Pneumonia	134	73	61	35	20	7	6	1	2	36	1	4	7	15	22	14	15	12	4	1	
22	Other diseases of the respiratory system (tuberculosis excepted)	96	53	43	20	41	11	1	2	2	57	2	1	1	6	5	3	6	9	4	2	
23	Diseases of the stomach (cancer excepted)	17	11	6	2	1					1				2	3	8	1	2			
24	Diarrhoea and enteritis (under 2 years)	40	21	19	6	36	4				40											
25	Appendicitis and typhilitis	23	15	8	1							1	2	7	4	2	2	4	1			
26	Hernia, intestinal obstruction	21	9	12	4	3	1				4				1	5	5	3	1	1	1	
27	Obstruction of the liver	11	9	2	1										1	2	1	5		2		
28	Acute nephritis and Bright's disease	347	172	175	34			1		1	2		4	7	12	35	64	76	105	40	2	
29	Noncancerous tumors and other diseases of the female genital organs	10		10											1	2	4	1	1			
30	Puerperal septicemia (puerperal fever, peritonitis)	21		21	3								6	10	4	1						
31	Other puerperal accidents of pregnancy & labor	18		18	3									10	4	4						
32	Congenital debility and malformations	140	90	50	16	139				1	140											
33	Senility	5	1	4																		
34	Suicide	30	21	9											4	4	7	7	1	1	1	
35	Violent deaths (suicide excepted)	191	131	60	24	3	3	2			8	13	20	18	25	23	21	30	19	14		
36	Other diseases	283	148	135	25	20	1	1	3		25	3	6	14	16	29	45	62	48	32	3	
37	Unknown or ill-defined diseases	2		2		1					1						1					
38	Total	2710	1404	1306	206	283	36	17	13	11	300	34	68	131	166	278	367	543	490	248	25	

Estimated population, 253,819.

Total resident deaths, 2,710.

Rate per 1,000 population, 10.6.

TABULATION OF DEATHS IN CAMDEN CITY FOR 1930, ACCORDING TO THE ABRIDGED INTERNATIONAL LIST OF CAUSES OF DEATH

Abridged International List No.	CAUSE OF DEATH	AGE PERIODS																					
		Total	Male	Female	Color, if other than white																		
						Under 1 year	1 year	2 years	3 years	4 years	Under 5 years	5 to 9	10 to 19	20 to 29	30 to 39	40 to 49	50 to 59	60 to 69	70 to 79	80 to 89	90 and over	Unknown	
1	Typhoid fever	2	2		2								1	1									
2	Typhus fever																						
3	Malaria																						
4	Smallpox																						
5	Measles	5	2	3		2	2		1		5												
6	Scarlet fever	3		3			2				2	1											
7	Whooping cough	2	1	1	1	2	2				2												
8	Diphtheria and croup	12	3	9		2	2	3	1	3	11	1											
9	Influenza	16	6	10	5	2	2	1			3		1		3	1	4	3		1			
10	Asiatic cholera																						
11	Cholera nostras																						
12	Other epidemic diseases	6	4	2				1		1	2		1			1	1	1					
13	Tuberculosis of the lungs	84	56	28	20							1	5	20	16	17	10	12	2	1			
14	Tuberculosis meningitis																						
15	Other forms of tuberculosis	6	3	3							1	2		1	3								
16	Cancer and other malignant tumors	122	53	69	10			1			1			2	4	21	27	41	18	8			
17	Simple meningitis	1	1			1					1												
18	Cerebral hemorrhage and softening	117	61	56	22										1	3	9	22	37	27	17	1	
19	Organic diseases of the heart	288	144	144	32	2		1		1	4	1	5	5	12	36	37	80	70	35	3		
21	Bronchitis	3	2	1				1			1						1						
22	Pneumonia	79	48	31	25	11	4	4			19		1	6	14	14	6	9	7	2	1		
23	Other diseases of the respiratory system (tuberculosis excepted)	56	33	23	15	31	5	1	1	1	39			1	5	1	3	3	3	1			
24	Diseases of the stomach (cancer excepted)	104	8	2	2											2	1	6	1				
25	Diarrhoea and enteritis (under 2 years)	28	13	15	3	26	2				28												
26	Appendicitis and typhlitis	7	5	2	1											1		2					
27	Hernia, intestinal obstruction	8	3	5	1	1					1					2	3	1		1			
28	Cirrhosis of the liver	8	7	1	1										1	1	1	3		2			
29	Acute nephritis and Bright's disease	163	80	83	21			1			1		2	4	9	23	29	39	44	12			
30	Noncancerous tumors and other diseases of the female genital organs	4		4												2	1			1			
31	Puerperal septicaemia (puerperal fever, peritonitis)	12		12	1																		
32	Other puerperal accidents of pregnancy & labor	8		8	2								4	5	3								
33	Congenital debility and malformations	66	43	23	12	66					66						2						
34	Senility	1		1																			
36	Suicide	17	13	4									1	3	3	2	2	4			1		
35	Violent deaths (suicide excepted)	83	62	21	21		1				1	7	10	8	11	11	9	15	5	6	1		
37	Other diseases	148	84	64	21	12	1	1	3		17	2	1	10	11	19	20	31	22	14	1		
38	Unknown or ill-defined diseases	1		1		1					1												
	Total	1366	737	629	219	159	21	12	8	5	205	15	34	75	102	164	180	282	200	102	7		

Estimated population, 118,758.

Total resident deaths, 1,366.

Rate per 1,000 population, 11.5.

TABULATION OF DEATHS IN COLLINGSWOOD BOROUGH FOR 1930, ACCORDING TO THE ABRIDGED INTERNATIONAL LIST OF CAUSES OF DEATH

Abridged International List No.	CAUSE OF DEATH	AGE PERIODS																				
		Total	Male	Female	Color, if other than white	Under 1 year	1 year	2 years	3 years	4 years	Under 5 years	5 to 9	10 to 19	20 to 29	30 to 39	40 to 49	50 to 59	60 to 69	70 to 79	80 to 89	90 and over	Unknown
1	Typhoid fever																					
2	Typhus fever																					
3	Malaria																					
4	Smallpox																					
5	Measles																					
6	Scarlet fever																					
7	Whooping cough																					
8	Diphtheria and croup																					
9	Influenza																					
10	Asiatic cholera																					
11	Cholera nostras																					
12	Other epidemic diseases	1		1							1						1					
13	Tuberculosis of the lungs	7	4	3							1			1	1	2	1	1		1		
14	Tuberculosis meningitis																					
15	Other forms of tuberculosis																					
16	Cancer and other malignant tumors	18	10	8												3	3	3	6	3		
17	Simple meningitis																					
18	Cerebral hemorrhage and softening	8	2	6											1		1	3	3			
19	Organic diseases of the heart	46	23	23												2	5	12	14	18		
20	Bronchitis																					
21	Pneumonia	5	4	1			1				1	2				2						
22	Other diseases of the respiratory system (tuberculosis excepted)	2	1	1															1		1	
23	Diseases of the stomach (cancer excepted)																					
24	Diarrhoea and enteritis (under 2 years)																					
25	Appendicitis and typhlitis																					
26	Hernia, intestinal obstruction																					
27	Cirrhosis of the liver																					
28	Acute nephritis and Bright's disease	17	7	10												3	4	2	6	2		
29	Noncancerous tumors and other diseases of the female genital organs	1		1														1				
30	Puerperal septicæmia (puerperal fever, peritonitis)	1		1										1								
31	Other puerperal accidents of pregnancy & labor																					
32	Congenital debility and malformations	3		3			3				3											
33	Senility	1		1																		
34	Suicide	4	1	3													4				1	
35	Violent deaths (suicide excepted)	9	5	4							1		1		1		3		3	1		
36	Other diseases	14	7	7			2				1	1			1	1	2	2	3	2		
37	Unknown or ill-defined diseases																					
38	Total	137	64	73		5	1				6	3	1	2	4	13	24	24	36	22	2	

Estimated population, 12,821.

Total resident deaths, 137.

Rate per 1,000 population, 10.6.

TABULATION OF DEATHS IN GLOUCESTER CITY FOR 1930, ACCORDING TO THE ABRIDGED INTERNATIONAL LIST OF CAUSES OF DEATH

Abridged international List No.	CAUSE OF DEATH	Total	Male	Female	Color, if other than white	AGE PERIODS																
						Under 1 year	1 year	2 years	3 years	4 years	Under 5 years	5 to 9	10 to 19	20 to 29	30 to 39	40 to 49	50 to 59	60 to 69	70 to 79	80 to 89	90 and over	Unknown
1	Typhoid fever																					
2	Typhus fever																					
3	Malaria																					
4	Smallpox																					
5	Measles																					
6	Scarlet fever																					
7	Whooping cough																					
8	Diphtheria and croup																					
9	Influenza	3	2	1		1					1					2						
10	Asiatic cholera																					
11	Cholera nostras																					
12	Other epidemic diseases	1		1													1					
13	Tuberculosis of the lungs	4	2	2											1		2		1			
14	Tuberculosis meningitis																					
15	Other forms of tuberculosis	2	2												1	1						
16	Cancer and other malignant tumors	18	7	11											1		1	3	9	4		
17	Simple meningitis																					
18	Cerebral hemorrhage and softening	9	6	3																		
19	Organic diseases of the heart	34	17	17		2				1	3		2	1	2	1	6	3	3	2	1	
20	Bronchitis																					
21	Pneumonia	6	2	4		1					1	1				2	1	1				
22	Other diseases of the respiratory system (tuberculosis excepted)	5	3	2						1	2	1							1	1		
23	Diseases of the stomach (cancer excepted)																					
24	Diarrhoea and enteritis (under 2 years)	2	1	1		1	1				2											
25	Appendicitis and typhilitis	3	2	1										2		1						
26	Hernia, intestinal obstruction	2	2				1				1						1					
27	Cirrhosis of the liver	2	1	1																		
28	Acute nephritis and Bright's disease	20	13	7									1	1		1	1	5	8	3		
29	Noncancerous tumors and other diseases of the female genital organs																					
30	Puerperal septicæmia (puerperal fever, peritonitis)																1					
31	Other puerperal accidents of pregnancy & labor	4		4										1	3							
32	Congenital debility and malformations	15	12	3		15					15											
33	Senility																					
34	Suicide	3	2	1												1	1	1				
35	Violent deaths (suicide excepted)	11	9	2								1	3	2	1	2	1			1		
36	Other diseases	17	10	7		1					1		1			3	4	7			1	
37	Unknown or ill-defined diseases																					
38	Unknown or ill-defined diseases																					
	Total	162	93	69		21	3			2	26	3	9	9	8	16	22	38	23	7	1	

Estimated population, 13,336.

Total resident deaths, 162.

Rate per 1,000 population, 11.7.

TABULATION OF DEATHS IN CAPE MAY COUNTY FOR 1930, ACCORDING TO THE ABRIDGED INTERNATIONAL LIST OF CAUSES OF DEATH

Abridged International List No.	CAUSE OF DEATH	Total	Male	Female	Color, if other than white	AGE PERIODS																Unknown
						Under 1 year	1 year	2 years	3 years	4 years	Under 5 years	5 to 9	10 to 19	20 to 29	30 to 39	40 to 49	50 to 59	60 to 69	70 to 79	80 to 89	90 and over	
1	Typhoid fever	1		1										1								
2	Typhus fever	1	1																1			
3	Malaria																					
4	Smallpox																					
5	Measles																					
6	Scarlet fever																					
7	Whooping cough	2	2		1			1	1		2											
8	Diphtheria and croup																					
9	Influenza	4	2	2													1	1		2		
10	Asiatic cholera																					
11	Cholera nostras																					
12	Other epidemic diseases																					
13	Tuberculosis of the lungs	9	7	2	3							1		1	1	1	3		1	1		
14	Tuberculosis meningitis																					
15	Other forms of tuberculosis	1	1																1			
16	Cancer and other malignant tumors	34	17	17	1											3	4	9	5	12	1	
17	Simple meningitis	1	1			1					1											
18	Cerebral hemorrhage and softening	46	23	23	7												2	3	14	15	10	2
19	Organic diseases of the heart	95	59	36	7		1				1	2		1	1	4	9	29	34	13	1	
21	Bronchitis	3	3			1					1								1	1		
22	Pneumonia	18	9	9	6	1					1			1	2	5			4	3	2	
23	Other diseases of the respiratory system (tuberculosis excepted)	12	4	8	2	2					2	1	1		1	1	3	2		1		
24	Diseases of the stomach (cancer excepted)	7	5	2		1					1					1	1	2		2		
25	Diarrhoea and enteritis (under 2 years)	4	1	3		3	1				4											
26	Appendicitis and typhilitis	2	1	1										1						1		
27	Hernia, intestinal obstruction	3	1	2																3		
28	Cirrhosis of the liver	1	1													1						
29	Acute nephritis and Bright's disease	49	29	20	3													7	12	15	13	2
30	Noncancerous tumors and other diseases of the female genital organs	3		3	1											1			2			
31	Puerperal septicæmia (puerperal fever, peritonitis)																					
32	Other puerperal accidents of pregnancy & labor	4		4											1	2	1					
33	Congenital debility and malformations	8	6	2	4	8					8											
34	Senility	2	1	1																2		
36	Suicide	3	2	1	1												1					
35	Violent deaths (suicide excepted)	21	17	4	4						1	2	2	2	3	1	5	2	1	2		
37	Other diseases	51	30	21	6		1				1		1	3	3	3	8	14	10	7	1	
38	Unknown or ill-defined diseases																					
	Total	385	223	162	46	17	3	1	2		23	6	5	13	18	24	50	88	100	52	6	

Estimated population, 29,731.

Total resident deaths, 385.

Rate per 1,000 population, 12.9.

TABULATION OF DEATHS IN CUMBERLAND COUNTY FOR 1930, ACCORDING TO THE ABRIDGED INTERNATIONAL LIST OF CAUSES OF DEATH

Abridged International List No.	CAUSE OF DEATH	AGE PERIODS																						
		Total	Male	Female	Color, if other than white																			
						Under 1 year	1 year	2 years	3 years	4 years	Under 5 years	5 to 9	10 to 19	20 to 29	30 to 39	40 to 49	50 to 59	60 to 69	70 to 79	80 to 89	90 and over	Unknown		
1	Typhoid fever																							
2	Typhus fever																							
3	Malaria																							
4	Smallpox																							
5	Measles																							
6	Scarlet fever	1		1																				
7	Whooping cough																							
8	Diphtheria and croup	1	1								1													
9	Influenza	12	2	10		1					1					1	2	3	1	2	2			
10	Asiatic cholera																							
11	Cholera nostras																							
12	Other epidemic diseases	1		1																				
13	Tuberculosis of the lungs	48	28	20	5						1	1			12	16	10	3	3	3				
14	Tuberculosis meningitis	2		2	1	1	1				2													
15	Other forms of tuberculosis	4	3	1	1										1	1	1		1					
16	Cancer and other malignant tumors	85	41	44	8										1	3	12	16	26	19	8			
17	Simple meningitis	1		1			1				1													
18	Cerebral hemorrhage and softening	113	51	62	8											1	5	13	32	36	21	5		
19	Organic diseases of the heart	221	133	88	15	1					1	1	1	4	5	9	28	45	77	46	4			
21	Bronchitis	4	2	2			1				1						1	1	1					
22	Pneumonia	31	20	14	8	4	1	1			6	1	2	3	4	4	5	5	2	1	1			
23	Other diseases of the respiratory system (tuberculosis excepted)	24	11	13		12	1	1			14						1	2	1	5	1			
24	Diseases of the stomach (cancer excepted)	8	5	3	1	1		1								1	2	1		2				
25	Diarrhoea and enteritis (under 2 years)	15	8	7	2	14	1		1		15													
26	Appendicitis and typhilitis	7	6	1											1	1		3	1	1				
27	Hernia, intestinal obstruction	7	4	3		1					1							1	2	1	2			
28	Cirrhosis of the liver	9	5	4												2		4	2	1				
29	Acute nephritis and Bright's disease	95	49	46	9												4	15	24	31	19	2		
30	Noncancerous tumors and other diseases of the female genital organs	6		6	1												3		3					
31	Puerperal septicaemia (puerperal fever, peritonitis)	5		5																				
32	Other puerperal accidents of pregnancy & labor	3		3												1	1	1						
33	Congenital debility and malformations	32	13	19	1	31					31	1												
34	Seizure	17	11	6	2															7	6	4		
35	Suicide	7	5	2													1	3		2				
36	Violent deaths (suicide excepted)	63	46	17	5	1	1		1		3	4	8	1	7	5	9	8	10	8				
37	Other diseases	90	42	48	10	5		1	1	1	8		3	6	6	8	13	22	16	8				
38	Unknown or ill-defined diseases	1		1															1					
Total		916	486	430	77	72	7	5	2	2	88	7	18	34	49	68	119	178	217	122	16			

Estimated population, 70,103.

Total resident deaths, 916.

Rate per 1,000 population, 13.0.

TABULATION OF DEATHS IN BRIDGETON CITY FOR 1930, ACCORDING TO THE ABRIDGED INTERNATIONAL LIST OF CAUSES OF DEATH

Abridged International List No.	CAUSE OF DEATH	AGE PERIODS																					
		Total	Male	Female	Color, if other than white																		
						Under 1 year	1 year	2 years	3 years	4 years	Under 5 years	5 to 9	10 to 19	20 to 29	30 to 39	40 to 49	50 to 59	60 to 69	70 to 79	80 to 89	90 and over	Unknown	
1	Typhoid fever																						
2	Typhus fever																						
3	Malaria																						
4	Smallpox																						
5	Measles																						
6	Scarlet fever																						
7	Whooping cough																						
8	Diphtheria and croup	1	1					1			1												
9	Influenza	4	1	3				1			1					1	1		1				
10	Asiatic cholera										1												
11	Cholera nostras																						
12	Other epidemic diseases																						
13	Tuberculosis of the lungs	14	9	5	3					1	1			3	6	3	1						
14	Tuberculosis meningitis	1		1	1	1					1												
15	Other forms of tuberculosis	3	2	1											1	1		1					
16	Cancer and other malignant tumors	22	12	10	3										1	4	3	8	6				
17	Simple meningitis																						
18	Cerebral hemorrhage and softening	32	15	17	5											1	5	7	13	5	1		
19	Organic diseases of the heart	59	34	25	3										1	4	4	10	24	15	1		
20	Bronchitis	2	1	1												1							
21	Pneumonia	7	4	3	4	2		1			3	1				2	1						
22	Other diseases of the respiratory system (tuberculosis excepted)	4	3	1		2					2						2						
23	Diseases of the stomach (cancer excepted)	1		1	1	1					1												
24	Diarrhoea and enteritis (under 2 years)	8	6	2	1	7	1				8												
25	Appendicitis and typhilitis	2	2														1	1					
26	Hernia, intestinal obstruction	3	1	2															1	2			
27	Cirrhosis of the liver	3	2	1													1	1	1				
28	Acute nephritis and Bright's disease	19	9	10	2												2	4	10	2	1		
29	Noncancerous tumors and other diseases of the female genital organs	4		4	1																		
30	Puerperal septicaemia (puerperal fever, peritonitis)	1		1																			
31	Other puerperal accidents of pregnancy & labor	1		1																			
32	Congenital debility and malformations	6	2	4	1	5					5	1											
33	Senility	6	3	3																			
34	Suicide	3	1	2											1								
35	Violent deaths (suicide excepted)	15	9	6	4	1					1			1	3	2	1	2	2	3			
36	Other diseases	23	14	9	5	3		1		4			1	3	1	2	2	7	3				
37	Unknown or ill-defined diseases																						
38	Unknown or ill-defined diseases																						
Total		244	131	113	34	23	1	2	1	1	28	2	2	8	14	23	25	44	64	30	4		

Estimated population, 15,733.

Total resident deaths, 244.

Rate per 1,000 population, 15.5.

TABULATION OF DEATHS IN MILLVILLE CITY FOR 1930, ACCORDING TO THE ABRIDGED INTERNATIONAL LIST OF CAUSES OF DEATH

Abridged international List No.	CAUSE OF DEATH	Total	Male	Female	Color, if other than white	AGE PERIODS																
						Under 1 year	1 year	2 years	2 years	4 years	Under 5 years	5 to 9	10 to 19	20 to 29	30 to 39	40 to 49	50 to 59	60 to 69	70 to 79	80 to 89	90 and over	Unknown
1	Typhoid fever																					
2	Typhus fever																					
3	Malaria																					
4	Smallpox																					
5	Measles																					
6	Scarlet fever																					
7	Whooping cough																					
8	Diphtheria and croup																					
9	Influenza	1		1											1							
10	Asiatic cholera																					
11	Cholera nostras																					
12	Other epidemic diseases																					
13	Tuberculosis of the lungs	7	4	3										1	4	1	1					
14	Tuberculosis meningitis																					
15	Other forms of tuberculosis																					
16	Cancer and other malignant tumors	20	11	9										1	1	3	3	7	5			
17	Simple meningitis	1		1			1				1											
18	Cerebral hemorrhage and softening	28	10	18											1	1	2	9	8	5	2	
19	Organic diseases of the heart	45	28	17	3	1					1			1	1	1	6	11	16	7	1	
20	Bronchitis	1		1			1				1											
21	Pneumonia	3	2	1		1					1						1	1				
22	Other diseases of the respiratory system (tuberculosis excepted)	4	2	2		2	1				3						1					
23	Diseases of the stomach (cancer excepted)	2		2											1	1						
24	Diarrhoea and enteritis (under 2 years)	1		1		1					1											
25	Appendicitis and typhlitis																					
26	Hernia, intestinal obstruction	3	2	1													1	2				
27	Cirrhosis of the liver																					
28	Acute nephritis and Bright's disease	19	9	10	1												1	5	7	5	1	
29	Noncancerous tumors and other diseases of the female genital organs	1		1														1				
30	Puerperal septicæmia (puerperal fever, peritonitis)	2		2											2							
31	Other puerperal accidents of pregnancy & labor																					
32	Congenital debility and malformations	9	5	4			9				9											
33	Senility	6	3	3																		
34	Suicide	1		1																		
35	Violent deaths (suicide excepted)	11	9	2			1				1		2	1			1	1	3	2		
36	Other diseases	21	11	10	1	1				1	2			1	2	1	5	5	3	2		
37	Unknown or ill-defined diseases	1		1														1				
	Total	187	97	90	5	15	4			1	20	2	1	6	11	9	21	43	45	23	6	

Estimated population, 14,705.

Total resident deaths, 187.

Rate per 1,000 population, 12.7.

TABULATION OF DEATHS IN ESSEX COUNTY FOR 1930, ACCORDING TO THE ABRIDGED INTERNATIONAL LIST OF CAUSES OF DEATH

Abridged International List No.	CAUSE OF DEATH	AGE PERIODS																								
		Total	Male	Female	Color, if other than white																					
						Under 1 year	1 year	2 years	3 years	4 years	Under 5 years	5 to 9	10 to 19	20 to 29	30 to 39	40 to 49	50 to 59	60 to 69	70 and over	70 to 79	80 to 89	90 and over	Unknown			
1	Typhoid fever	7	4	3	1									3	2	2										
2	Typhus fever																									
3	Malaria	1		1										1												
4	Smallpox																									
5	Measles	40	24	16	4	5	13	7	5	4	34	6														
6	Scarlet fever	7	3	4		1	1				1	3	2				1	1								
7	Whooping cough	18	12	6	8	10	5	2		1	18						1									
8	Diphtheria and croup	74	39	35	7	4	6	7	17	8	42	19	8	2	1	1										
9	Influenza	52	24	28	5	4		1			5	1	2	3	4	8	8	10	7	4						
10	Asiatic cholera																									
11	Cholera nostras																									
12	Other epidemic diseases	55	31	24	8	8	2	1	1	4	16	5	9	7	6	3	1	6	1	1						
13	Tuberculosis of the lungs	635	369	266	199		2				2	5	76	147	134	118	103	35	11	4						
14	Tuberculosis meningitis	24	10	14	8	8		1		2	11	4	2	4	2	1										
15	Other forms of tuberculosis	59	33	26	28	2	6		2		10		11	12	10	8	4	2	2							
16	Cancer and other malignant tumors	930	415	515	53	1		1	3		5	1	2	13	43	131	235	281	174	43	2					
17	Simple meningitis	17	10	7	7	3			1	1	5	3	1	4	1	1		2								
18	Cerebral hemorrhage and softening	592	265	327	48	2		1			3		1	2	13	58	103	170	152	84	5					
19	Organic diseases of the heart	1873	933	938	160	2	1		4	2	9	12	44	51	85	185	337	482	415	221	32					
21	Bronchitis	39	28	11	4	9	3	1	1		14				1	3	3	7	4	3	3					
22	Pneumonia	433	245	188	83	45	23	5	7	2	82	9	13	31	49	59	67	62	38	18	2					
23	Other diseases of the respiratory system (tuberculosis excepted)	301	170	131	49	87	22	11	7	2	129	7	7	11	12	32	22	32	31	15	3					
24	Diseases of the stomach (cancer excepted)	72	56	16	8	1					1		1	7	11	15	15	17	1	4						
25	Diarrhoea and enteritis (under 2 years)	60	37	23	13	50	10				60															
26	Appendicitis and typhlitis	186	107	79	15	2	1	2	4	2	11	19	20	31	25	30	30	13	6	1						
27	Hernia, intestinal obstruction	69	37	32	3	4					4	2		2	5	13	20	13	8	2						
28	Cirrhosis of the liver	75	55	20	3									1	5	15	20	25	8	1						
29	Acute nephritis and Bright's disease	801	379	422	81	3		2	2		7	3	8	13	29	87	150	194	201	91	18					
30	Noncancerous tumors and other diseases of the female genital organs	44		44	7									1	6	14	15	4	3		1					
31	Puerperal septicaemia (puerperal fever, peritonitis)	36		36	5									2	17	16	1									
32	Other puerperal accidents of pregnancy & labor	50		50	13								5	22	20	3										
33	Congenital debility and malformations	379	214	165	66	374	3	2			379															
34	Senility	28	10	18	3																					
35	Suicide	141	112	32	4									3	14	27	26	37	26	10	1					
36	Violent deaths (suicide excepted)	611	447	194	74	6	12	7	10	7	42	35	54	77	75	105	76	88	61	25	3					
37	Other diseases	1263	650	613	139	89	15	9	11	3	127	34	56	66	112	158	226	255	156	59	14					
38	Unknown or ill-defined diseases	5	4	1		1					1					2	1		1							
	Total	9010	4725	4285	1110	721	125	61	75	88	1020	167	330	549	702	1079	1463	1725	1297	593	85					

Estimated population, 837,938.

Total resident deaths, 9,010.

Rate per 1,000 population, 10.7.

TABULATION OF DEATHS IN BELLEVILLE TOWN FOR 1930, ACCORDING TO THE ABRIDGED INTERNATIONAL LIST OF CAUSES OF DEATH

Abridged International List No.	CAUSE OF DEATH	AGE PERIODS																				
		Total	Male	Female	Color, if other than white	Under 1 year	1 year	2 years	3 years	4 years	Under 5 years	5 to 9	10 to 19	20 to 29	30 to 39	40 to 49	50 to 59	60 to 69	70 to 79	80 to 89	90 and over	Unknown
1	Typhoid fever																					
2	Typhus fever																					
3	Malaria																					
4	Smallpox																					
5	Measles	5	2	3		1	2	1	1		5											
6	Scarlet fever	1		1								1										
7	Whooping cough	1	1		1		1				1											
8	Diphtheria and croup	1		1								1										
9	Influenza	3	1	2		1					1						1			1		
10	Asiatic cholera																					
11	Cholera nostras																					
12	Other epidemic diseases																					
13	Tuberculosis of the lungs	12	7	5										2	5	1	2	2				
14	Tuberculosis meningitis																					
15	Other forms of tuberculosis	1	1																			
16	Cancer and other malignant tumors	20	6	14												2	6	9	3			
17	Simple meningitis	1		1					1		1											
18	Cerebral hemorrhage and softening	13	4	9	1											1	5	4	2	1		
19	Organic diseases of the heart	55	32	23	3		1				1			1	2	4	7	10	8	17	4	1
20	Bronchitis	2	1	1		2					2											
21	Pneumonia	10	5	5		1	1	1	1		4			1		4			1			
22	Other diseases of the respiratory system (tuberculosis excepted)	8	6	2		4					4						1		2	1		
23	Diseases of the stomach (cancer excepted)	1	1																1			
24	Diarrhoea and enteritis (under 2 years)	2	2			2					2											
25	Appendicitis and typhlitis	5	2	3									1		1	3						
26	Hernia, intestinal obstruction	3	1	2														2	1			
27	Cirrhosis of the liver	1	1																			
28	Acute nephritis and Bright's disease	30	14	16	3										1	1	2	5	4	14	2	1
29	Noncancerous tumors and other diseases of the female genital organs	1		1												1						
30	Puerperal septicaemia (puerperal fever, peritonitis)	3		3											1	1	1					
31	Other puerperal accidents of pregnancy & labor	2		2												2						
32	Congenital debility and malformations	12	7	5	2	12					12											
33	Senility																					
34	Suicide	4	2	2																		
35	Violent deaths (suicide excepted)	29	20	9		1		1	1	1	3		2	5	3	3	4	3	4	2		
36	Other diseases	25	13	10	2	1		1			2			1	3	1	3	6	4	4		1
37	Unknown or ill-defined diseases																					
38	Total	251	131	120	12	24	7	2	4	1	38	5	11	16	22	23	42	39	44	8	3	

Estimated population, 27,250.

Total resident deaths, 251.

Rate per 1,000 population, 9.2.

TABULATION OF DEATHS IN BLOOMFIELD TOWN FOR 1930, ACCORDING TO THE ABRIDGED INTERNATIONAL LIST OF CAUSES OF DEATH

Abridged International List No.	CAUSE OF DEATH	AGE PERIODS																				
		Total	Male	Female	Color, if other than white	Under 1 year	1 year	2 years	3 years	4 years	Under 5 years	5 to 9	10 to 19	20 to 29	30 to 39	40 to 49	50 to 59	60 to 69	70 to 79	80 to 89	90 and over	Unknown
1	Typhoid fever																					
2	Typhus fever																					
3	Malaria																					
4	Smallpox																					
5	Measles	6	4	2		1	2	1		1	5	1										
6	Scarlet fever																					
7	Whooping cough	3	2	1	1	2	1				3											
8	Diphtheria and croup	2	1	1					1		1				1							
9	Influenza	5	2	3				1			1	1				1		2				
10	Asiatic cholera																					
11	Cholera nostras																					
12	Other epidemic diseases																					
13	Tuberculosis of the lungs	16	8	8									2	4		3	5	2				
14	Tuberculosis meningitis	1		1								1										
15	Other forms of tuberculosis	1	1											1								
16	Cancer and other malignant tumors	47	29	18				1			1				2	7	8	11	15	2	1	
17	Simple meningitis	36	21	15	2																	
18	Cerebral hemorrhage and softening	58	27	31	1							2	2	1	4	2	7	19	11	8	2	
19	Organic diseases of the heart	2	1	1							1							1				
20	Bronchitis	17	10	7	1		1				1				2	2	4	3	8			
21	Pneumonia	13	8	5		2	2	1		1	6						1	1	2	1		
22	Other diseases of the respiratory system (tuberculosis excepted)	2		2										1			1					
23	Diseases of the stomach (cancer excepted)	7	3	4																		
24	Diarrhoea and enteritis (under 2 years)	1																				
25	Appendicitis and typhlitis	1																				
26	Hernia, intestinal obstruction	4	3	1												1						
27	Cirrhosis of the liver	40	19	21												2	2					
28	Acute nephritis and Bright's disease	1		1																		
29	Noncancerous tumors and other diseases of the female genital organs	2		2																		
30	Puerperal septicaemia (puerperal fever, peritonitis)	2		2																		
31	Other puerperal accidents of pregnancy & labor	16	9	7	2	16					16											
32	Congenital debility and malformations	5	3	2																		
33	Senility	20	12	8		1	1	2	1	5	2			4				1				
34	Suicide	48	26	22	1	2	1	1		5	1	1	2	1	6	8	13	10			1	
35	Violent deaths (suicide excepted)																					
36	Other diseases																					
37	Unknown or ill-defined diseases																					
38	Total	355	189	166	8	24	8	6	3	4	45	10	8	22	15	28	54	81	68	18	6	

Estimated population, 38,469.

Total resident deaths, 355.

Rate per 1,000 population, 9.2.

TABULATION OF DEATHS IN EAST ORANGE CITY FOR 1930, ACCORDING TO THE ABRIDGED INTERNATIONAL LIST OF CAUSES OF DEATH

Abridged International List No.	CAUSE OF DEATH	AGE PERIODS																				
		Total	Male	Female	Color, if other than white	Under 1 year	1 year	2 years	3 years	4 years	Under 5 years	5 to 9	10 to 19	20 to 29	30 to 39	40 to 49	50 to 59	60 to 69	70 to 79	80 to 89	90 and over	Unknown
1	Typhoid fever	2	2										2									
2	Typhus fever																					
3	Malaria	1		1									1									
4	Smallpox																					
5	Measles																					
6	Scarlet fever																					
7	Whooping cough																					
8	Diphtheria and croup	3		3								1		1		1						
9	Influenza	5	2	3											1	1	3					
10	Asiatic cholera																					
11	Cholera nostras																					
12	Other epidemic diseases	5	3	2			1				1						1	3				
13	Tuberculosis of the lungs	27	16	11	7								6	4	6	3	6	1	1			
14	Tuberculosis meningitis	1		1										1								
15	Other forms of tuberculosis	1		1															1			
16	Cancer and other malignant tumors	102	40	62	2										2	14	25	34	22	5		
17	Simple meningitis	2	1	1				1			1											
18	Cerebral hemorrhage and softening	49	16	33	2											1	6	13	14	14	1	
19	Organic diseases of the heart	159	77	82	8				1		1	2	3	1	5	7	21	46	45	27	1	
21	Bronchitis	4	4															3	1			
22	Pneumonia	26	10	16	3	2					2	1		1	1	1	8	3	4	4	1	
23	Other diseases of the respiratory system (tuberculosis excepted)	16	7	9	2	2	1				3	1					3	2	4	3		
24	Diseases of the stomach (cancer excepted)	5	5												1		1	3				
25	Diarrhoea and enteritis (under 2 years)	1		1		1					1											
26	Appendicitis and typhlitis	18	11	7									2	2	2	3	2	3	3			
27	Hernia, intestinal obstruction	6	2	4												3	2		1			
28	Cirrhosis of the liver	4	3	1													2	2				
29	Acute nephritis and Bright's disease	51	19	32	6	1					1				3	6	9	10	17	5		
30	Noncancerous tumors and other diseases of the female genital organs	1		1																		
31	Puerperal septicaemia (puerperal fever, peritonitis)	3		3										2	1							
32	Other puerperal accidents of pregnancy & labor	2		2	1								1	1								
33	Congenital debility and malformations	25	15	10	4	25					25											
34	Senility																					
36	Suicide	9	6	3											1	3	3	1	1			
35	Violent deaths (suicide excepted)	41	18	23	2				1		1	1	4	2	4	3	3	7	8	7	1	
37	Other diseases	92	43	49	7	5					5	4	4	2	4	6	21	19	17	7	3	
38	Unknown or ill-defined diseases																					
	Total	661	500	361	44	36	2	1	2	41	11	23	17	31	52	116	152	138	73	7		

Estimated population, 68,442.

Total resident deaths, 661.

Rate per 1,000 population, 9.6.

TABULATION OF DEATHS IN IRVINGTON TOWN FOR 1930, ACCORDING TO THE ABRIDGED INTERNATIONAL LIST OF CAUSES OF DEATH

Abridged International List No.	CAUSE OF DEATH	AGE PERIODS																				
		Total	Male	Female	Color, if other than white	Under 1 year	1 year	2 years	3 years	4 years	Under 5 years	5 to 9	10 to 19	20 to 29	30 to 39	40 to 49	50 to 59	60 to 69	70 to 79	80 to 89	90 and over	Unknown
1	Typhoid fever	1	1												1							
2	Typhus fever																					
3	Malaria																					
4	Smallpox																					
5	Measles																					
6	Scarlet fever																					
7	Whooping cough																					
8	Diphtheria and croup	3	1	2			1	1	1		2	1										
9	Influenza	1	1			1					1											
10	Asiatic cholera																					
11	Cholera nostras																					
12	Other epidemic diseases																					
13	Tuberculosis of the lungs	34	19	15										15	3	6	5	4		1		
14	Tuberculosis meningitis																					
15	Other forms of tuberculosis	4	2	2											1	1	1	1				
16	Cancer and other malignant tumors	32	18	14										1	1	5	11	23	10	1		
17	Simple meningitis																					
18	Cerebral hemorrhage and softening	42	22	20						1						2	6	8	17	8		
19	Organic diseases of the heart	115	53	62					1		1	1	2	2	3	9	18	28	31	19	1	
21	Bronchitis	1	1													1						
22	Pneumonia	15	10	5		2	1				3			3	1	3		3	1	1		
23	Other diseases of the respiratory system (tuberculosis excepted)	9	7	2		1	1				2					1	1	2	2		1	
24	Diseases of the stomach (cancer excepted)	5	4	1											4	1						
25	Diarrhoea and enteritis (under 2 years)	1		1		1					1											
26	Appendicitis and typhlitis	8	3	5	1											2	3	2				
27	Hernia, intestinal obstruction	2		2											1							
28	Cirrhosis of the liver	1	1													1		1				
29	Acute nephritis and Bright's disease	49	23	26																		
30	Noncancerous tumors and other diseases of the female genital organs														1	4	7	13	14	10		
31	Puerperal septicæmia (puerperal fever, peritonitis)	4		4											2							
32	Other puerperal accidents of pregnancy & labor	3		3											2							
33	Congenital debility and malformations	26	14	12		20					26			1	1	1						
34	Senility	1	1																1			
36	Suicide	15	11	4											4	2	4	5				
35	Violent deaths (suicide excepted)	32	22	10		1					1	1	2	4	3	3	8	4	5	1		
37	Other diseases	66	25	41	1	5			1	1	7		4	2	6	10	14	14	6	2	1	
38	Unknown or ill-defined diseases																					
	Total	492	239	253	2	37	3	1	3	1	45	3	10	30	34	50	70	108	87	43	3	

Estimated population, 57,405.

Total resident deaths, 492.

Rate per 1,000 population, 8.5.

TABULATION OF DEATHS IN MONTCLAIR TOWN FOR 1930, ACCORDING TO THE ABRIDGED INTERNATIONAL LIST OF CAUSES OF DEATH

Abridged International List No.	CAUSE OF DEATH	AGE PERIODS																				
		Total	Male	Female	Color, if other than white	Under 1 year	1 year	2 years	3 years	4 years	Under 5 years	5 to 9	10 to 19	20 to 29	30 to 39	40 to 49	50 to 59	60 to 69	70 to 79	80 to 89	90 and over	Unknown
1	Typhoid fever																					
2	Typhus fever																					
3	Malaria																					
4	Smallpox																					
5	Measles	1	1									1										
6	Scarlet fever																					
7	Whooping cough	1	1																			
8	Diphtheria and croup	1	1		1						1											
9	Influenza	6	1	5										1			1	1	2	1		
10	Asiatic cholera																					
11	Cholera nostras	1		1	1																	
12	Other epidemic diseases	1		1	1	1					1											
13	Tuberculosis of the lungs	24	9	15	13							1	3	8	5	2	4		1			
14	Tuberculosis meningitis	2	2		2	2					2											
15	Other forms of tuberculosis																					
16	Cancer and other malignant tumors	43	15	28	13									2	1	7	5	16	8	3	1	
17	Simple meningitis																					
18	Cerebral hemorrhage and softening	29	11	18	1										1	3	3	7	8	6	1	
19	Organic diseases of the heart	84	34	50	15								2		2	6	15	20	14	19	5	
21	Bronchitis	3	2	1	1		1				1								1	1		
22	Pneumonia	20	10	10	5	1					1		1	1	2	2	6	5	1	1		
23	Other diseases of the respiratory system (tuberculosis excepted)	11	7	4	3	1					1	1		1		3	1	2	1	1		
24	Diseases of the stomach (cancer excepted)	1	1													1						
25	Diarrhoea and enteritis (under 2 years)	1	1		1	1					1											
26	Appendicitis and typhilitis	9	2	7																		
27	Uterina, intestinal obstruction	2	1	1																		
28	Cirrhosis of the liver	2	2		1														1	1		
29	Acute nephritis and Bright's disease	50	18	32	13								1			7	7	14	14	5	2	
30	Noncancerous tumors and other diseases of the female genital organs																					
31	Puerperal septicaemia (puerperal fever, peritonitis)	2		2	1										2							
32	Other puerperal accidents of pregnancy & labor	4		4	2										1							
33	Congenital debility and malformations	14	11	3	5	14					14				2							
34	Senility	1		1																		
35	Suicide	7	6	1											2	1	2	1		1		
36	Violent deaths (suicide excepted)	21	11	10	3								5	1	1	2	2	4	6			
37	Other diseases	49	27	22	13	2	1	1			4	1	3	3	4	5	7	11	8	2	1	
38	Unknown or ill-defined diseases																					
	Total	388	173	215	95	22	2	1	1		26	6	17	23	20	42	53	85	67	39	10	

Estimated population, 42,339.

Total resident deaths, 388.

Rate per 1,000 population, 9.1.

TABULATION OF DEATHS IN NEWARK CITY FOR 1930, ACCORDING TO THE ABRIDGED INTERNATIONAL LIST OF CAUSES OF DEATH

Abridged International List No.	CAUSE OF DEATH	Total	Male	Female	Color, if other than white	AGE PERIODS																	
						Under 1 year	1 year	2 years	3 years	4 years	Under 5 years	5 to 9	10 to 19	20 to 29	30 to 39	40 to 49	50 to 59	60 to 69	70 to 79	80 to 89	90 and over	Unknown	
1	Typhoid fever	1		1										1									
2	Typhus fever																						
3	Malaria																						
4	Smallpox																						
5	Measles	18	11	7	4	3	5	2	2	2	14	4											
6	Scarlet fever	4	3	1		1	1			1	3						1						
7	Whooping cough	11	6	5	5	6	3	1		1	11												
8	Diphtheria and croup	50	27	23	4	2	5	4	13	6	30	14	6										
9	Influenza	22	13	9	5	2					2			1	3	5	2	4	3	2			
10	Asiatic cholera																						
11	Cholera nostras																						
12	Other epidemic diseases	38	23	15	6	6		1	1	3	11	3	9	4	5	3		2		1			
13	Tuberculosis of the lungs	421	254	167	165		1				1	3	57	92	90	84	63	24	5	2			
14	Tuberculosis meningitis	16	7	9	6	4		1		1	6	3	2	2	2	1							
15	Other forms of tuberculosis	45	24	21	27	1	6			1	8		10	10	7	5	3	1	1				
16	Cancer and other malignant tumors	187	228	259	34	1			2		3	1	2	6	28	71	137	136	85	18			
17	Simple meningitis	8	6	2	5	3					3	1		3		1							
18	Cerebral hemorrhage and softening	399	152	157	34	2					2		1	2	7	40	61	90	73	31	2		
19	Organic diseases of the heart	1082	553	529	111	2			1	2	5	4	28	40	54	116	224	281	220	96	14		
21	Bronchitis	17	13	4	3	4	2	1	1		8				1	1	2	1	2				
22	Pneumonia	278	161	117	69	38	18	4	3	1	64	8	7	22	33	42	41	34	19	7	1		
23	Other diseases of the respiratory system (tuberculosis excepted)	199	114	85	41	71	16	9	5	1	102	2	5	8	10	22	15	15	14	4	2		
24	Diseases of the stomach (cancer excepted)	47	39	8	8	1					1		1	5	4	10	10	12	1	3			
25	Diarrhoea and enteritis (under 2 years)	47	29	18	10	38	9				47												
26	Appendicitis and typhilitis	110	68	42	12	2		2	3	2	9	11	9	16	18	20	18	6	2	1			
27	Hernia, intestinal obstruction	43	23	20	3	2					2	2		2	4	7	12	8	5	1			
28	Cirrhosis of the liver	53	39	14	2									1	4	12	13	15	7	1			
29	Acute nephritis and Bright's disease	455	220	215	51	2		2	2		6	2	5	10	19	53	92	107	95	37	9		
30	Noncancerous tumors and other diseases of the female genital organs	30		30	7								1	5	9	11	3			1			
31	Puerperal septicæmia (puerperal fever, peritonitis)	20		20	4								1	11	8								
32	Other puerperal accidents of pregnancy & labor	27		27	12								2	12	10	3							
33	Congenital debility and malformations	221	123	98	49	217	2	2			221												
34	Senility	24	9	15	2																		
35	Suicide	81	67	14	2								2	6	14	15	23	14	6	1			
36	Violent deaths (suicide excepted)	399	295	104	61	3	8	5	5	5	26	23	31	48	52	80	50	54	24	10	1		
37	Other diseases	797	419	378	99	58	9	6	7		80	21	37	44	78	114	137	167	80	36	3		
38	Unknown or ill-defined diseases	4	3	1												2	1		1				
	Total	5344	2929	2415	841	469	85	40	46	25	665	102	217	350	460	718	908	973	649	266	36		

Estimated population, 443,015.

Total resident deaths, 5,344.

Rate per 1,000 population, 12.0.

TABULATION OF DEATHS IN NUTLEY TOWN FOR 1930, ACCORDING TO THE ABRIDGED INTERNATIONAL LIST OF CAUSES OF DEATH

Abridged International List No.	CAUSE OF DEATH	Total	Male	Female	Color, if other than white	AGE PERIODS																	
						Under 1 year	1 year	2 years	3 years	4 years	Under 5 years	5 to 9	10 to 19	20 to 29	30 to 39	40 to 49	50 to 59	60 to 69	70 to 79	80 to 89	90 and over	Unknown	
1	Typhoid fever																						
2	Typhus fever																						
3	Malaria																						
4	Smallpox																						
5	Measles	1		1			1				1												
6	Scarlet fever																						
7	Whooping cough																						
8	Diphtheria and croup	5	3	2		1		1		1	3	1		1									
9	Influenza	1		1										1									
10	Asiatic cholera	1																					
11	Cholera nostras																						
12	Other epidemic diseases	2	1	1								1											
13	Tuberculosis of the lungs	7	3	4	1										2	1	3	1		1			
14	Tuberculosis meningitis																						
15	Other forms of tuberculosis	1	1					1			1												
16	Cancer and other malignant tumors	9	5	4											1	4		2	2				
17	Simple meningitis																						
18	Cerebral hemorrhage and softening	15	8	7	1												1	5	4	4	1		
19	Organic diseases of the heart	47	24	23	4			1		1	1			4	5	5	9	11	11	1			
20	Bronchitis	7		1		1					1												
21	Pneumonia	1	3	4	1			1		1	1		3	1		1			1				
22	Other diseases of the respiratory system (tuberculosis excepted)	4	2	2		1					1						1			2			
23	Diseases of the stomach (cancer excepted)	2		2											1		1						
24	Diarrhoea and enteritis (under 2 years)	1	1			1					1												
25	Appendicitis and typhilitis	2	1	1								1	1										
26	Hernia, intestinal obstruction																						
27	Cirrhosis of the liver	1		1												1							
28	Acute nephritis and Bright's disease	8	4	4									1			1							
29	Noncancerous tumors and other diseases of the female genital organs	3		3											1	1		1					
30	Puerperal septicæmia (puerperal fever, peritonitis)	1		1											1								
31	Other puerperal accidents of pregnancy & labor	3		3											1	2							
32	Congenital debility and malformations	8	6	2		8					8												
33	Senility	1		1																1			
34	Suicide	4	3	1										1	1	1		1					
35	Violent deaths (suicide excepted)	15	12	3		1		1			2	1		2	3	3	1	1	1	1			
36	Other diseases	25	17	8		1	1		3		5	1	1	1		4	1	6	2	3			
37	Unknown or ill-defined diseases																						
	Total	174	94	80	7	14	2	2	6	1	25	5	8	7	16	18	22	22	24	25	2		

Estimated population, 20,844.

Total resident deaths, 174.

Rate per 1,000 population, 8.3.

TABULATION OF DEATHS IN ORANGE CITY FOR 1930, ACCORDING TO THE ABRIDGED INTERNATIONAL LIST OF CAUSES OF DEATH

Abridged International List No.	CAUSE OF DEATH	AGE PERIODS																				
		Total	Male	Female	Color, if other than white	Under 1 year	1 year	2 years	3 years	4 years	Under 5 years	5 to 9	10 to 19	20 to 29	30 to 39	40 to 49	50 to 59	60 to 69	70 to 79	80 to 89	90 and over	Unknown
1	Typhoid fever	1	1		1										1							
2	Typhus fever																					
3	Malaria																					
4	Smallpox																					
5	Measles	6	4	2		1	2	2	1	6												
6	Scarlet fever																					
7	Whooping cough	3	3		1	2	1			3												
8	Diphtheria and croup	5	3	2	2	1		1		3			1	1								
9	Influenza	1		1															1			
10	Asiatic cholera																					
11	Cholera nostras																					
12	Other epidemic diseases	4		4	1	1				2		1								1		
13	Tuberculosis of the lungs	33	17	16	11								2	7	10	4	4	2	2	1		
14	Tuberculosis meningitis																					
15	Other forms of tuberculosis	1	1													1						
16	Cancer and other malignant tumors	46	20	26	2									3	3	2	12	14	7	5		
17	Simple meningitis	1		1	1								1									
18	Cerebral hemorrhage and softening	29	7	22	3										1	2	3	11	3	8	1	
19	Organic diseases of the heart	88	45	43	15									1	2	1	11	15	31	18	8	1
20	Bronchitis	4	3	1		1				1									1		1	
21	Pneumonia	16	12	4	2		2		1	3					3	1	2	6	1			
22	Other diseases of the respiratory system (tuberculosis excepted)	9	4	5	2	2	2		1	5			1			1			2			
23	Diseases of the stomach (cancer excepted)	1		1													1					
24	Diarrhoea and enteritis (under 2 years)	5	3	2	2	5				5												
25	Appendicitis and typhlitis	4	3	1	2		1			1			1			2						
26	Hernia, intestinal obstruction	3	2	1	1												1	2				
27	Cirrhosis of the liver	2	1	1											1		1					
28	Acute nephritis and Bright's disease	34	21	13	8									1	1	2	9	10	8	3		
29	Noncancerous tumors and other diseases of the female genital organs	1		1														1				
30	Puerperal septicaemia (puerperal fever, peritonitis)																					
31	Other puerperal accidents of pregnancy & labor	2		2										1	1							
32	Congenital debility and malformations	16	8	8	3	16				16												
33	Senility																					
34	Suicide	4	3	1	1										3				1			
35	Violent deaths (suicide excepted)	30	24	6	6	1	1		1	3			2	6	4	4	4	3	2	2		
36	Other diseases	57	26	31	14	5	1	1		8			2	7	5	4	9	7	9	2	3	
37	Unknown or ill-defined diseases																					
	Total	406	211	195	80	34	8	5	5	4	56	3	11	28	34	34	62	88	55	29	6	

Estimated population, 35,451.

Total resident deaths, 406.

Rate per 1,000 population, 11.4.

TABULATION OF DEATHS IN SOUTH ORANGE VILLAGE FOR 1930, ACCORDING TO THE ABRIDGED INTERNATIONAL LIST OF CAUSES OF DEATH

Abridged international List No.	CAUSE OF DEATH	AGE PERIODS																	70 to 79	80 to 89	90 and over	Unknown		
		Total	Male	Female	Color, if other than white	AGE PERIODS																		
						Under 1 year	1 year	2 years	3 years	4 years	Under 5 years	5 to 9	10 to 19	20 to 29	30 to 39	40 to 49	50 to 59	60 to 69						
1	Typhoid fever	1		1										1										
2	Typhus fever																							
3	Malaria																							
4	Smallpox																							
5	Measles																							
6	Scarlet fever																							
7	Whooping cough																							
8	Diphtheria and croup																							
9	Influenza	1		1										1										
10	Asiatic cholera																							
11	Cholera nostras																							
12	Other epidemic diseases	1	1														1							
13	Tuberculosis of the lungs	2		2													1	1						
14	Tuberculosis meningitis																							
15	Other forms of tuberculosis																							
16	Cancer and other malignant tumors	27	11	16	1											1	2	9	7	6	2			
17	Simple meningitis																							
18	Cerebral hemorrhage and softening	11	7	4														3	3	2	1			
19	Organic diseases of the heart	24	13	11	1								1			1	3	5	7	4	3			
21	Bronchitis																							
22	Pneumonia	3	1	2													1	1		1				
23	Other diseases of the respiratory system (tuberculosis excepted)	6	4	2															2	3	1			
24	Diseases of the stomach (cancer excepted)	1	1															1						
25	Diarrhoea and enteritis (under 2 years)																							
26	Appendicitis and typhlitis	3		3					1		1	1												
27	Hernia, intestinal obstruction																							
28	Cirrhosis of the liver	2	2																					
29	Acute nephritis and Bright's disease	11	2	9															2					
30	Noncancerous tumors and other diseases of the female genital organs													1				2	4	2	1	1		
31	Puerperal septicemia (puerperal fever, peritonitis)																							
32	Other puerperal accidents of pregnancy & labor																							
33	Congenital debility and malformations	6	4	2		6					6													
34	Senility																							
35	Suicide	2	2														1							
36	Violent deaths (suicide excepted)	8	2	6																				
37	Other diseases	20	10	10	1	1					1	1	1	2	1	1	1	1	1	1	1			
38	Unknown or ill-defined diseases	1	1			1					1													
	Total	130	61	69	3	8		1			9	3	3	5	8	14	23	31	22	11	1			

Estimated population, 13,785.

Total resident deaths, 130.

Rate per 1,000 population, 9.4.

[illegible]

Rate per 1,000 population, 8.7.

TABULATION OF DEATHS IN GLOUCESTER COUNTY FOR 1930, ACCORDING TO THE ABRIDGED INTERNATIONAL LIST OF CAUSES OF DEATH

Abridged International List No.	CAUSE OF DEATH	AGE PERIODS																				
		Total	Male	Female	Color, if other than white	Under 1 year	1 year	2 years	3 years	4 years	Under 5 years	5 to 9	10 to 19	20 to 29	30 to 39	40 to 49	50 to 59	60 to 69	70 to 79	80 to 89	90 and over	Unknown
1	Typhoid fever																					
2	Typhus fever																					
3	Malaria																					
4	Smallpox																					
5	Measles																					
6	Scarlet fever	1		1																		
7	Whooping cough	1		1	1			1			1											
8	Diphtheria and croup	2	1	1	1						1	1	1									
9	Influenza	6	4	2	1			1			1			2		1					2	
10	Asiatic cholera																					
11	Cholera nostras																					
12	Other epidemic diseases																					
13	Tuberculosis of the lungs	33	21	12	6								4	8	4	7	4	6				
14	Tuberculosis meningitis	1	1					1			1					1						
15	Other forms of tuberculosis	4	3	1	3								1	1		1		1				
16	Cancer and other malignant tumors	74	32	42	2									1	2	6	16	27	19	2	1	
17	Simple meningitis	2	1	1				1			1			1								
18	Cerebral hemorrhage and softening	56	30	26	3			1			1			1	1	2	5	13	21	11	1	
19	Organic diseases of the heart	171	97	74	14							1	4	1	3	9	29	46	48	23	7	
20	Bronchitis	3		3				1			1	1									1	
21	Pneumonia	27	15	12	3			4	2		6		2	1	2	6	3	5		2		
22	Other diseases of the respiratory system (tuberculosis excepted)	17	6	11	2			6	3	1	11			1	1	1				3		
23	Diseases of the stomach (cancer excepted)	9	6	3	1							1		1	1	2	2	2				
24	Diarrhoea and enteritis (under 2 years)	10	9	1	1			8	2		10											
25	Appendicitis and typhlitis	7	6	1							1			3	2	1						
26	Hernia, intestinal obstruction	6	3	3				1			1					2	1	1	1			
27	Cirrhosis of the liver	7	4	3							1						2	4			1	
28	Acute nephritis and Bright's disease	106	59	47	11							1	2	1	3	10	20	15	37	14	3	
29	Noncancerous tumors and other diseases of the female genital organs	2		2											1	1						
30	Puerperal septicaemia (puerperal fever, peritonitis)	5		5										3	2							
31	Other puerperal accidents of pregnancy & labor	4		4										2	1	1						
32	Congenital debility and malformations	35	24	11	11			34	1		35											
33	Senility	3	1	2																		
34	Suicide	13	12	1	1								1		3	4	1	3	1		1	
35	Violent deaths (suicide excepted)	53	44	9	9			1	1		3	3	8	11	6	1	7	6	6	2		
36	Other diseases	88	44	44	6			11	3	1	2	17		2		4	13	8	16	18	8	2
37	Unknown or ill-defined diseases	4	3	1				2	1		3				1							
	Total	750	426	324	76	70	11	6	4	2	93	8	39	37	35	67	98	146	152	68	16	

Estimated population, 71,353.

Total resident deaths, 750.

Rate per 1,000 population, 10.5.

TABULATION OF DEATHS IN HUDSON COUNTY FOR 1930, ACCORDING TO THE ABRIDGED INTERNATIONAL LIST OF CAUSES OF DEATH

Abridged International List No.	CAUSE OF DEATH	Total	Male	Female	Color, if other than white	AGE PERIODS																
						Under 1 year	1 year	2 years	3 years	4 years	Under 5 years	5 to 9	10 to 19	20 to 29	30 to 39	40 to 49	50 to 59	60 to 69	70 to 79	80 to 89	90 and over	Unknown
1	Typhoid fever	5	4	1										2		1	1	1				
2	Typhus fever																					
3	Malaria																					
4	Smallpox																					
5	Measles	41	25	16	3	9	20	5		3	37	4										
6	Scarlet fever	8	1	7			1	2	3		6											
7	Whooping cough	27	9	18		15	8	1	1	2	27											
8	Diphtheria and croup	38	55	43	2	9	15	15	7	9	55	32		2			2					
9	Influenza	71	34	37	3	5	1			3	9	4	4	12		10	8	16	12	5	1	
10	Asiatic cholera																					
11	Cholera nostras																					
12	Other epidemic diseases	47	24	23	6	8	2	2	1		18	6	5	6		6	5		2	4		
13	Tuberculosis of the lungs	473	287	184	38		3	1		2	6	1	47	104		101	104	70	29	9		
14	Tuberculosis meningitis	19	10	9	4	1	1	2		2												
15	Other forms of tuberculosis	23	14	9	2		1				1	1	2	5		6	4	2	1			
16	Cancer and other malignant tumors	713	345	368	8		1	1			2	2	7	10	32	94	198	231	108	26	3	
17	Simple meningitis	21	14	7	1	3	3	1		1	8	3	1			3	3	1	1			
18	Cerebral hemorrhage and softening	473	220	253	12	1	1				2				5	17	39	99	145	115	49	4
19	Organic diseases of the heart	1694	925	769	44	2	2	1	2	2	9	13	41	54	126	172	310	445	357	142	25	
20	Bronchitis	20	9	11	1	6	2				8	1				1	2					
21	Pneumonia	355	225	130	25	37	12	8	5	2	64	10	15	20	52	51	62	47	24	10		
22	Other diseases of the respiratory system (tuberculosis excepted)	337	180	157	24	124	31	11	3	4	173	7	8	8	17	20	32	38	25	7	2	
23	Diseases of the stomach (cancer excepted)	61	47	14		2					2	1			4	12	19	14	6	1	2	
24	Diarrhoea and enteritis (under 2 years)	105	57	48	10	97	8				105											
25	Appendicitis and typhilitis	105	64	41	3				1	2	3	9	15	18	17	18	16	8	1			
26	Hernia, intestinal obstruction	69	34	35		7					7			4	2	8	18	16	7	6	1	
27	Cirrhosis of the liver	71	54	17	3	1					1			2	7	20	16	16	6	3		
28	Acute nephritis and Bright's disease	675	347	328	21	2		1	1		4	2	13	21	44	81	128	188	147	46	1	
29	Noncancerous tumors and other diseases of the female genital organs	52		52	2										2	23	18	4	4	1		
30	Puerperal septicaemia (puerperal fever, peritonitis)	17		17	2										10	6	1					
31	Other puerperal accidents of pregnancy & labor	46		46	2										13	26	7					
32	Congenital debility and malformations	340	209	131	19	329	5	2	2		338	2										
33	Senility	12	5	7																1	10	1
34	Suicide	80	65	15	1								1	9	15	25	18	8				
35	Violent deaths (suicide excepted)	460	353	107	22	5	7	4	8	7	31	26	40	55	68	74	69	47	31	14	5	
36	Other diseases	909	469	431	29	83	8	12	3	4	110	20	43	51	78	131	174	160	95	34	4	
37	Unknown or ill-defined diseases	3	2	1		3					3											
38	Total	7419	4087	3332	287	749	132	69	37	43	1030	159	258	404	670	904	1254	1408	939	355	47	

Estimated population, 692,232.

Total resident deaths, 7,419.

Rate per 1,000 population, 10.7.

TABULATION OF DEATHS IN BAYONNE CITY FOR 1930, ACCORDING TO THE ABRIDGED INTERNATIONAL LIST OF CAUSES OF DEATH

Abridged International List No.	CAUSE OF DEATH	AGE PERIODS																				
		Total	Male	Female	Color, if other than white	Under 1 year	1 year	2 years	3 years	4 years	Under 5 years	5 to 9	10 to 19	20 to 29	30 to 39	40 to 49	50 to 59	60 to 69	70 to 79	80 to 89	90 and over	Unknown
1	Typhoid fever	1	1												1							
2	Typhus fever																					
3	Malaria																					
4	Smallpox																					
5	Measles	11	4	7		1	7	1			9	2										
6	Scarlet fever																					
7	Whooping cough	3	1	2		1	1		1		3											
8	Diphtheria and croup	17	10	7			2	1	2	2	7	8	2									
9	Influenza	4	2	2		1					1			1			1	1				
10	Asiatic cholera																					
11	Cholera nostras																					
12	Other epidemic diseases	8	3	5	1	1	1		1		3	1	1	1	1	1						
13	Tuberculosis of the lungs	59	36	23	6			1		1	2		6	12	19	11	7	1	1			
14	Tuberculosis meningitis	4	2	2				1		1	2	1	1									
15	Other forms of tuberculosis	4	4		1									2	1		1					
16	Cancer and other malignant tumors	66	23	43								1	2	1	5	10	17	20	9		1	
17	Simple meningitis	3	3									1	1									
18	Cerebral hemorrhage and softening	61	28	33											4	8	11	20	11	7		
19	Organic diseases of the heart	133	70	63	2		1	1	1		3	2	4	3	16	18	23	35	16	12	1	
20	Bronchitis	5	1	4							1									3	1	
21	Pneumonia	26	17	9	4	3	1	2	1		7	1		1	4	2	7	3		1		
22	Other diseases of the respiratory system (tuberculosis excepted)	39	26	13	2	11	3	1	1	2	18	1		1	1	4	6	5	2	1		
23	Diseases of the stomach (cancer excepted)	10	6	4												4	2	2				
24	Diarrhoea and enteritis (under 2 years)	18	8	10	2	14	4				18											
25	Appendicitis and typhilitis	9	5	4						1	1	1	3	3		1						
26	Hernia, intestinal obstruction	7	3	4		1					1			1			1		2	2		
27	Cirrhosis of the liver	3	3		1												1	1	1			
28	Acute nephritis and Bright's disease	60	36	24	2			1			1		1	1	4	9	13	23	7	1		
29	Noncancerous tumors and other diseases of the female genital organs	2		2										1		1						
30	Puerperal septicemia (puerperal fever, peritonitis)	4		4	1																	
31	Other puerperal accidents of pregnancy & labor	4		4										2	2							
32	Congenital debility and malformations	35	20	15	1	33		2			35											
33	Senility																					
34	Suicide	10	9	1										1	3	2	3	1				
35	Violent deaths (suicide excepted)	53	40	13	2		1		1	1	3	4	3	10	11	6	8	4	1	3		
36	Other diseases	103	39	64	2	16	1	4			21		6	5	6	20	20	19	3	2	1	
37	Unknown or ill-defined diseases	2	1	1							2											
	Total	764	401	363	27	85	22	15	8	8	138	23	30	50	82	96	121	135	53	32	4	

Estimated population, 89,277.

Total resident deaths, 764.

Rate per 1,000 population, 8.5.

TABULATION OF DEATHS IN HARRISON TOWN FOR 1930, ACCORDING TO THE ABRIDGED INTERNATIONAL LIST OF CAUSES OF DEATH

Abridged international List No.	CAUSE OF DEATH	Total	Male	Female	Color, if other than white	AGE PERIODS																
						Under 1 year	1 year	2 years	3 years	4 years	Under 5 years	5 to 9	10 to 19	20 to 29	30 to 39	40 to 49	50 to 59	60 to 69	70 to 79	80 to 89	90 and over	Unknown
1	Typhoid fever																					
2	Typhus fever																					
3	Malaria																					
4	Smallpox																					
5	Measles	1		1							1											
6	Scarlet fever	1		1			1				1											
7	Whooping cough	1		1		1					1											
8	Diphtheria and croup	1		1						1	1											
9	Influenza	4	3	1												1	2	1				
10	Asiatic cholera																					
11	Cholera nostras	2	1	1										1								
12	Other epidemic diseases	10	8	2											3	2	4	1				
13	Tuberculosis of the lungs																					
14	Tuberculosis meningitis																					
15	Other forms of tuberculosis																					
16	Cancer and other malignant tumors	15	6	9													4	6	5			
17	Simple meningitis																					
18	Cerebral hemorrhage and softening	4	2	2																		
19	Organic diseases of the heart	41	22	19								1	1	3	3	5	9	10	5	4		
21	Bronchitis																					
22	Pneumonia	10	8	2			1				1	1	1	1	3		3					
23	Other diseases of the respiratory system (tuberculosis excepted)	4	1	3		1					1				2	1						
24	Diseases of the stomach (cancer excepted)	5	4	1														2				
25	Diarrhoea and enteritis (under 2 years)	3	1	2		2	1				3											
26	Appendicitis and typhlitis																					
27	Hernia, intestinal obstruction	2	1	1															2			
28	Cirrhosis of the liver	5	2	3													1	1	2	1		
29	Acute nephritis and Bright's disease	23	12	11													1	5	3	8	6	
30	Noncancerous tumors and other diseases of the female genital organs	1		1																		
31	Puerperal septicaemia (puerperal fever, peritonitis)																1					
32	Other puerperal accidents of pregnancy & labor	1		1											1							
33	Congenital debility and malformations	8	6	2		7	1				8											
34	Senility																					
36	Suicide	3	2	1											1	1		1				
35	Violent deaths (suicide excepted)	8	6	2						1	1			1	1	1		1	4			
37	Other diseases	16	11	5		3					3	1	1		4	1	1	3	1	1		
38	Unknown or ill-defined diseases																					
Total		168	96	72		14	4			2	20	3	4	13	20	21	29	34	19	5		

Estimated population, 15,601.

Rate per 1,000 population, 10.7.

Total resident deaths, 168.

TABULATION OF DEATHS IN HOBOKEN CITY FOR 1930, ACCORDING TO THE ABRIDGED INTERNATIONAL LIST OF CAUSES OF DEATH

Abridged International List No.	CAUSE OF DEATH	Total	Male	Female	Color, if other than white	AGE PERIODS																	
						Under 1 year	1 year	2 years	3 years	4 years	Under 5 years	5 to 9	10 to 19	20 to 29	30 to 39	40 to 49	50 to 59	60 to 69	70 to 79	80 to 89	90 and over	Unknown	
1	Typhoid fever	1	1											1									
2	Typhus fever																						
3	Malaria																						
4	Smallpox																						
5	Measles	1		1			1				1												
6	Scarlet fever																						
7	Whooping cough	2		2		2					2												
8	Diphtheria and croup	4	1	3							1	1		1									
9	Infuenza	8	4	4								1	1		1	2	2	1					
10	Asiatic cholera																						
11	Cholera nostras																						
12	Other epidemic diseases	4	2	2		1	1				2					1	1						
13	Tuberculosis of the lungs	45	27	18	1								6	12	5	10	7	5					
14	Tuberculosis meningitis	1	1									1											
15	Other forms of tuberculosis																						
16	Cancer and other malignant tumors	73	33	40										1	2	11	27	23	8	1			
17	Simple meningitis	2		2								1			1								
18	Cerebral hemorrhage and softening	50	30	20										1	2	2	11	16	12	5	1		
19	Organic diseases of the heart	194	112	82	1								7	4	16	16	30	59	45	12	5		
20	Bronchitis	21	1	1		1					1												
21	Pneumonia	44	30	14	2	7	3				10		1	2	5	8	5	5	1	4			
22	Other diseases of the respiratory system (tuberculosis excepted)	30	15	15		11	4	1			16				2	2	3	4	1	1	1		
23	Diseases of the stomach (cancer excepted)	6	5	1												3	2						
24	Diarrhoea and enteritis (under 2 years)	11	6	5	1	10	1				11												
25	Appendicitis and typhlitis	11	7	4									3		3		4	1					
26	Hernia, intestinal obstruction	8	4	4												1	2	3	1		1		
27	Cirrhosis of the liver	11	10	1												6	3	2					
28	Acute nephritis and Bright's disease	61	31	30									2	4	4	4	11	24	8	3	1		
29	Noncancerous tumors and other diseases of the female genital organs	4		4												1	3						
30	Puerperal septicaemia (puerperal fever, peritonitis)																						
31	Other puerperal accidents of pregnancy & labor	2		2											2								
32	Congenital debility and malformations	30	17	13	1	29					29	1											
33	Senility	1		1																			
34	Suicide	9	6	3	1									1	1	3	2	2					
35	Violent deaths (suicide excepted)	58	44	14		1	2	1	2		6	4	6	6	5	8	12	7	2	1	1		
36	Other diseases	89	53	36		6	2	1			9	2	7	6	7	12	18	15	9	4			
37	Unknown or ill-defined diseases																						
	Total	762	440	322	7	68	14	3	2	1	88	12	34	38	61	92	139	167	87	34	10		

Estimated population, 59,261.

Total resident deaths, 762.

Rate per 1,000 population, 12.8.

TABULATION OF DEATHS IN JERSEY CITY FOR 1930, ACCORDING TO THE ABRIDGED INTERNATIONAL LIST OF CAUSES OF DEATH

Abridged International List No.	CAUSE OF DEATH	AGE PERIODS																				
		Total	Male	Female	Color, if other than white																	Unknown
						Under 1 year	1 year	2 years	3 years	4 years	Under 5 years	5 to 9	10 to 19	20 to 29	30 to 39	40 to 49	50 to 59	60 to 69	70 to 79	80 to 89	90 and over	
1	Typhoid fever	2	1	1									1			1						
2	Typhus fever																					
3	Malaria																					
4	Smallpox																					
5	Measles	24	16	8	3	7	11	3			23	1										
6	Scarlet fever	3		3				1	2		3											
7	Whooping cough	17	8	9		9	5	1			17											
8	Diphtheria and croup	52	29	23	2	8	9	10	4	2	33	12	5	1		1						
9	Influenza	38	17	21	3	4	1				7	1	3	1	5	4	8	6	3			
10	Asiatic cholera																					
11	Cholera nostras																					
12	Other epidemic diseases	21	11	10	5	4		1			5	3	3	4	4			2				
13	Tuberculosis of the lungs	259	160	99	31		3				3		25	48	54	63	42	18	6			
14	Tuberculosis meningitis	8	4	4	4							1	5	1	1							
15	Other forms of tuberculosis	13	6	7	1		1			1	1	1	1	5	2	1		1				
16	Cancer and other malignant tumors	369	196	173	7		1	1			2		4	7	18	40	99	123	58	17	1	
17	Simple meningitis	15	10	5	1	3	3	1		1	8	1			2	1	1	1				
18	Cerebral hemorrhage and softening	226	98	128	12	1					1			2	8	20	54	64	50	25	2	
19	Organic diseases of the heart	859	466	393	37	2			1	2	5	4	20	27	59	91	171	215	176	77	14	
21	Bronchitis	9	5	4	1	3	1				4	1				1	2			1		
22	Pneumonia	193	123	70	18	19	6	5	2	2	34	6	8	11	26	32	33	22	16	5		
23	Other diseases of the respiratory system (tuberculosis excepted)	206	110	96	21	80	21	7	2	2	112	6	5	3	7	9	18	20	20	5	1	
24	Diseases of the stomach (cancer excepted)	53	27	6			1				1	1		3	6	11	6	4	1			
25	Diarrhoea and enteritis (under 2 years)	56	34	22	7	54	2				56											
26	Appendicitis and typhilitis	53	37	16	2							5	6	7	8	15	7	4	1			
27	Hernia, intestinal obstruction	36	20	16		3					3				3	2	4	10	6	4		
28	Cirrhosis of the liver	25	20	5	2										2	5	9	2	3	2		
29	Acute nephritis and Bright's disease	339	169	170	17	2			1		3	1	3	10	21	43	70	92	79	17		
30	Noncancerous tumors and other diseases of the female genital organs	32		32	2										1	14	10	4	2	1		
31	Puerperal septicæmia (puerperal fever, peritonitis)	9		9	1										5	3	1					
32	Other puerperal accidents of pregnancy & labor	24		24	1										7	15	2					
33	Congenital debility and malformations	184	118	66	17	180	2		1		183	1										
34	Senility	9	5	4																		
36	Suicide	34	30	4											5	6	13	6	3	1		
35	Violent deaths (suicide excepted)	210	167	43	18	2	2	2	3	2	11	12	19	22	32	37	33	21	17	3	3	
37	Other diseases	424	233	191	26	38	3	6	1	3	51	9	18	30	41	57	78	76	47	15	2	
38	Unknown or ill-defined diseases	1	1			1					1											
	Total	3783	2121	1662	239	421	71	38	17	20	567	66	126	201	342	466	646	682	485	178	24	

Estimated population, 317,169.

Total resident deaths, 3,783.

Rate per 1,000 population, 11.9.

TABULATION OF DEATHS IN KEARNY TOWN FOR 1930, ACCORDING TO THE ABRIDGED INTERNATIONAL LIST OF CAUSES OF DEATH

Abridged International List No.	CAUSE OF DEATH	AGE PERIODS															
		Total	Male	Female	Color, if other than white												
						Under 1 year	1 year	2 years	3 years	4 years	Under 5 years	5 to 9	10 to 19	20 to 29	30 to 39	40 to 49	50 to 59
1	Typhoid fever																
2	Typhus fever																
3	Malaria																
4	Smallpox																
5	Measles	1	1							1	1						
6	Scarlet fever	1															
7	Whooping cough	9	6	1		1					1	5					
8	Diphtheria and croup	1		1							4						
9	Influenza																
10	Asiatic cholera																
11	Cholera nostras	4		1								1					
12	Other epidemic diseases	4	3										2			1	
13	Tuberculosis of the lungs	15	7	8									2	2			
14	Tuberculosis meningitis	2										1	1				
15	Other forms of tuberculosis	2	2											1		1	
16	Cancer and other malignant tumors	38	13	25										8	13	7	1
17	Simple meningitis																
18	Cerebral hemorrhage and softening	19	10	9													
19	Organic diseases of the heart	69	37	32									1	3	4	5	16
20	Bronchitis	2	1	1													
21	Pneumonia	14	8	6	1									1	3	1	4
22	Other diseases of the respiratory system (tuberculosis excepted)	8	2	6		5	1				6					2	
23	Diseases of the stomach (cancer excepted)																
24	Diarrhoea and enteritis (under 2 years)	3	1	2		3					3						
25	Appendicitis and typhlitis	8	3	5	1									4	1	1	1
26	Hernia, intestinal obstruction	1		1		1					1						
27	Cirrhosis of the liver	7	7			1					1					2	2
28	Acute nephritis and Bright's disease	43	18	25									3		5	7	3
29	Noncancerous tumors and other diseases of the female genital organs	1		1											1		
30	Puerperal septicaemia (puerperal fever, peritonitis)	1		1											1		
31	Other puerperal accidents of pregnancy & labor	4		4											3	1	
32	Congenital debility and malformations	24	13	11		24					24						
33	Senility	6	4	2											1	1	3
34	Suicide	23	16	7	1		1		1	1	3		2	2	6	3	2
35	Violent deaths (suicide excepted)	58	31	27		3		1			4	2	2	6	2	9	11
36	Other diseases																
37	Unknown or ill-defined diseases																
38	Unknown or ill-defined diseases																
	Total	364	185	179	3	38	4	2	4	48	9	11	18	34	46	57	72

Estimated population, 41,067.

Total resident deaths, 364.

Rate per 1,000 population, 8.8.

TABULATION OF DEATHS IN UNION CITY FOR 1930, ACCORDING TO THE ABRIDGED INTERNATIONAL LIST OF CAUSES OF DEATH

Abridged International List No.	CAUSE OF DEATH	Total	Male	Female	Color, if other than white	AGE PERIODS																	
						Under 1 year	1 year	2 years	3 years	4 years	Under 5 years	5 to 9	10 to 19	20 to 29	30 to 39	40 to 49	50 to 59	60 to 69	70 to 79	80 to 89	90 and over	Unknown	
1	Typhoid fever																						
2	Typhus fever																						
3	Malaria																						
4	Smallpox																						
5	Measles	1	1							1													
6	Scarlet fever	1		1								1											
7	Whooping cough	1		1						1													
8	Diphtheria and croup	1		1							1												
9	Influenza	8	4	4								1				2		2	3				
10	Asiatic cholera																						
11	Cholera nostras	4	2	2							1								1				
12	Other epidemic diseases	4	2	2				1															
13	Tuberculosis of the lungs	38	23	15							1	1	1	2	12	5	7	6	4				
14	Tuberculosis meningitis																						
15	Other forms of tuberculosis	3	2	1											1	1							
16	Cancer and other malignant tumors	61	32	29									1		1	1	6	22	20	7	3		
17	Simple meningitis																						
18	Cerebral hemorrhage and softening	57	25	32												2	6	6	15	21	7		
19	Organic diseases of the heart	149	85	64					1			1	3	4	3	12	9	26	42	38	9	2	
20	Bronchitis																						
21	Pneumonia	20	7	13				2							2		2	4	5	2			
22	Other diseases of the respiratory system (tuberculosis excepted)	17	6	11				5	2														
23	Diseases of the stomach (cancer excepted)	4	3	1													1	2			1		
24	Diarrhoea and enteritis (under 2 years)	7	4	3				7															
25	Appendicitis and typhilitis	11	5	6							1	1	2	1	2	3	1			2			
26	Hernia, intestinal obstruction	7	3	4				1									1	4	1				
27	Cirrhosis of the liver	8	4	4													1	3	2	1	1		
28	Acute nephritis and Bright's disease	53	30	23											1	5	3	7	9	10	10	8	
29	Noncancerous tumors and other diseases of the female genital organs																						
30	Puerperal septicaemia (puerperal fever, peritonitis)			1																			
31	Other puerperal accidents of pregnancy & labor	4		4											1	1	2						
32	Congenital debility and malformations	23	14	9				22	1														
33	Senility	1		1																	1		
34	Suicide	7	5	2																			
35	Violent deaths (suicide excepted)	38	26	12				1	1	1	1	2	6	4	3	4	5	6	4	6	2		
36	Other diseases	78	36	42				5				1	1	7	4	2	2	8	15	11	13	10	
37	Unknown or ill-defined diseases																						
38	Total	603	317	286				44	7	1	4	6	62	16	20	34	43	69	100	129	92	36	

Estimated population, 58,659.

Total resident deaths, 603.

Rate per 1,000 population, 10.2.

TABULATION OF DEATHS IN WEST NEW YORK FOR 1930, ACCORDING TO THE ABRIDGED INTERNATIONAL LIST OF CAUSES OF DEATH

Abridged International List No.	CAUSE OF DEATH	AGE PERIODS																				
		Total	Male	Female	Color, if other than white	Under 1 year	1 year	2 years	3 years	4 years	Under 5 years	5 to 9	10 to 19	20 to 29	30 to 39	40 to 49	50 to 59	60 to 69	70 to 79	80 to 89	90 and over	Unknown
1	Typhoid fever																					
2	Typhus fever																					
3	Malaria																					
4	Smallpox																					
5	Measles																					
6	Scarlet fever																					
7	Whooping cough																					
8	Diphtheria and croup	9	7	2			2	3	1		6	2					1					
9	Influenza																					
10	Asiatic cholera																					
11	Cholera nostras																					
12	Other epidemic diseases	3	2	1		1		1			2	1										
13	Tuberculosis of the lungs	17	9	8									3	10		2	1		1			
14	Tuberculosis meningitis	2		2			1			1	2											
15	Other forms of tuberculosis																					
16	Cancer and other malignant tumors	32	20	12	1										4	7	4	6	8	2		
17	Simple meningitis	1	1													1						
18	Cerebral hemorrhage and softening	13	4	9											1		3	4	4	1		
19	Organic diseases of the heart	68	33	35	2								1	4	5	6	10	18	16	8		
21	Bronchitis																					
22	Pneumonia	19	14	5		3					3	1	1	1	4	2	2	4	1			
23	Other diseases of the respiratory system (tuberculosis excepted)	7	3	4		1					1					1	2	3				
24	Diseases of the stomach (cancer excepted)	2	2													2						
25	Diarrhoea and enteritis (under 2 years)	2		2		2					2											
26	Appendicitis and typhlitis	4	3	1								1	1	1	1							
27	Hernia, intestinal obstruction	3	1	2		1					1							2				
28	Cirrhosis of the liver	4	3	1											1		1	1	1			
29	Acute nephritis and Bright's disease	30	18	12	1							1	2		2	2	5	8	9	1		
30	Noncancerous tumors and other diseases of the female genital organs	8		8												4	3		1			
31	Puerperal septicaemia (puerperal fever, puerperal pneumonia)														1	1	1					
32	Other puerperal accidents of pregnancy & labor	3		3	1																	
33	Congenital debility and malformations	12	6	6		11	1				12											
34	Senility	1		1																1		
36	Suicide	3	3												1	1		1				
37	Violent deaths (suicide excepted)	20	17	3		1					1		5	2	3	5		2	1	1		
37	Other diseases	45	22	23		4	2				6	1	2	1	2	7	12	8	5	1		
38	Unknown or ill-defined diseases																					
	Total	368	168	140	5	24	6	4	1	1	36	7	16	21	31	38	41	58	45	15		

Estimated population, 37,282.

Total resident deaths, 308.

Rate per 1,000 population, 8.2.

TABULATION OF DEATHS IN HUNTERDON COUNTY FOR 1930, ACCORDING TO THE ABRIDGED INTERNATIONAL LIST OF CAUSES OF DEATH

Abridged International List No.	CAUSE OF DEATH	AGE PERIODS																			
		Total	Male	Female	Color, if other than white																
						Under 1 year	1 year	2 years	3 years	4 years	Under 5 years	5 to 9	10 to 19	20 to 29	30 to 39	40 to 49	50 to 59	60 to 69	70 to 79	80 to 89	90 and over	Unknown
1	Typhoid fever																				
2	Typhus fever																				
3	Malaria																				
4	Smallpox																				
5	Measles																				
6	Scarlet fever	1		1										1							
7	Whooping cough																				
8	Diphtheria and croup	2		2										2							
9	Influenza	2	2															1	1		
10	Asiatic cholera																				
11	Cholera nostras																				
12	Other epidemic diseases																				
13	Tuberculosis of the lungs	14	6	8									2	1	7	2		2			
14	Tuberculosis meningitis																				
15	Other forms of tuberculosis																				
16	Cancer and other malignant tumors	44	18	26								1	1		2	4	10	7	13	6	
17	Simple meningitis	1		1				1													
18	Cerebral hemorrhage and softening	64	34	30												2	8	12	23	17	2
19	Organic diseases of the heart	109	61	48	1								3		2	5	15	26	35	19	4
20	Bronchitis																				
21	Pneumonia	10	9	7		2	1				3			1			1	4	4	3	
22	Other diseases of the respiratory system (tuberculosis excepted)	15	8	7		4	2	1			7		1			1	2		2	2	
23	Diseases of the stomach (cancer excepted)	4	3	1																	
24	Diarrhoea and enteritis (under 2 years)	5	3	2		5					5						2	2			
25	Appendicitis and typhilitis	1		1										1							
26	Hernia, intestinal obstruction	6	4	2									1					1	3	1	
27	Cirrhosis of the liver	3	2	1									1								
28	Acute nephritis and Bright's disease	46	32	14	1										1	1	2	7	8	16	10
29	Noncancerous tumors and other diseases of the female genital organs	1		1													1				
30	Puerperal septicaemia (puerperal fever, peritonitis)	3		3																	
31	Other puerperal accidents of pregnancy & labor	2		2													2				
32	Congenital debility and malformations	17	11	6		16	1				17										
33	Senility	6	1	5															1	2	3
34	Suicide	8	7	1													4	2	2		
35	Violent deaths (suicide excepted)	32	22	10		1					1	1	3	2	5	3	3	4	7	3	
36	Other diseases	63	44	19		6		1			7			1	1	4	5	17	18	8	2
37	Unknown or ill-defined diseases																				
	Total	465	267	198	2	34	5	2			41	3	16	7	21	28	55	87	123	72	12

Estimated population, 34,773.

Total resident deaths, 465.

Rate per 1,000 population, 13.3.

TABULATION OF DEATHS IN MERCER COUNTY FOR 1930, ACCORDING TO THE ABRIDGED INTERNATIONAL LIST OF CAUSES OF DEATH

Abridged International List No.	CAUSE OF DEATH	AGE PERIODS																						
		Total	Male	Female	Color, if other than white																			
						Under 1 year	1 year	2 years	3 years	4 years	Under 5 years	5 to 9	10 to 19	20 to 29	30 to 39	40 to 49	50 to 59	60 to 69	70 to 79	80 to 89	90 and over	Unknown		
1	Typhoid fever	3		3								1				2								
2	Typhus fever																							
3	Malaria																							
4	Smallpox																							
5	Measles	11	3	8		2	4	1	2	2	9	1						1						
6	Scarlet fever	10	8	2				2	2	2	6	3	1											
7	Whooping cough	9	5	4	2	8	1				9													
8	Diphtheria and croup	6	3	3		1	3			1	5	1												
9	Influenza	10	5	5		1					1					1			3	3	1			
10	Asiatic cholera																							
11	Cholera nostras																							
12	Other epidemic diseases	13	7	6	1	1	2	1			4	1	1			3	1	1	1	1				
13	Tuberculosis of the lungs	138	86	52	24								9	27	29	26	25	17	3	1				
14	Tuberculosis meningitis	5	3	2	4	1		1	2		4	1												
15	Other forms of tuberculosis	13	6	7	4	1	1			1	3		2	4	2		1	1						
16	Cancer and other malignant tumors	174	73	101	10										2	7	21	41	48	42	13			
17	Simple meningitis	6	5	1	1		1	2		1	4	1	1											
18	Cerebral hemorrhage and softening	138	59	79	8											1	10	23	36	40	21	7		
19	Organic diseases of the heart	417	207	210	27	1					1	1	9	5	15	42	66	103	115	54	6			
21	Bronchitis	9	5	4	3	4					4					1		2						
22	Pneumonia	78	44	34	12	9	4	1	2	1	17	4	4	4	6	10	10	10	2	2	1			
23	Other diseases of the respiratory system (tuberculosis excepted)	73	36	37	10	26	14	1	2		43	1		2		3	4	7	6	7				
24	Diseases of the stomach (cancer excepted)	16	13	3	1						1			2	2	4	5	1		1				
25	Diarrhoea and enteritis (under 2 years)	37	17	20	2	33	4				37													
26	Appendicitis and typhlitis	17	11	6				1			1	2	2	5	2	3		1	1					
27	Hernia, intestinal obstruction	25	13	12	1	3					3	1			1	4	4	4	5	2	1			
28	Cirrhosis of the liver	17	12	5	1										1	6	2	5	3					
29	Acute nephritis and Bright's disease	197	108	89	12							1	2	1	16	24	36	42	53	21	1			
30	Noncancerous tumors and other diseases of the female genital organs	14		14	5										4	2	5	2						
31	Puerperal septicaemia (puerperal fever, peritonitis)	7		7											2	4	1							
32	Other puerperal accidents of pregnancy & labor	16		16	2									1	10	3	2							
33	Congenital debility and malformations	117	68	49	11	116	1				117													
34	Senility	2		2	1																1	1		
36	Suicide	35	25	10											4	2	7	10	9	3				
35	Violent deaths (suicide excepted)	155	117	38	11	1	3	1	1	3	9	10	13	23	15	21	25	14	10	14	1			
37	Other diseases	346	205	141	29	39	4	3	3	3	52	7	13	17	12	44	52	62	50	31	6			
38	Unknown or ill-defined diseases	2		2												1	1							
	Total	2116	1146	970	181	247	40	17	15	11	330	37	59	114	124	238	309	365	345	171	24			

Estimated population, 187,808.

Total resident deaths, 2,116.

Rate per 1,000 population, 11.2.

TABULATION OF DEATHS IN TRENTON CITY FOR 1930, ACCORDING TO THE ABRIDGED INTERNATIONAL LIST OF CAUSES OF DEATH

Abridged International List No.	CAUSE OF DEATH	AGE PERIODS														
		Total	Male	Female	Color, if other than white	Under 1 year	1 year	2 years	3 years	4 years	Under 5 years	5 to 9	10 to 19	20 to 29	30 to 39	40 to 49
1	Typhoid fever	2		2											2	
2	Typhus fever															
3	Malaria															
4	Smallpox		2													
5	Measles	7	2	5		1	4	1			6	1				
6	Scarlet fever	4	3	1				1	1		2	2				
7	Whooping cough	7	3	4	1	6	1				7	4	1			
8	Diphtheria and croup	5	3	2			1	3								
9	Influenza	5	3	2		1					1	1			1	
10	Asiatic cholera															
11	Cholera nostras															
12	Other epidemic diseases	7	3	4	1	1	2				3	1			2	
13	Tuberculosis of the lungs	100	64	36	16								5	15	24	19
14	Tuberculosis meningitis	3	1	2	2	1		1	1		3					
15	Other forms of tuberculosis	11	5	6	2	1	1		1		3		1	3	2	1
16	Cancer and other malignant tumors	114	49	65	3									1	17	20
17	Simple meningitis	5	4	1			1	2			3	1	1			
18	Cerebral hemorrhage and softening	85	37	48	6									8	18	28
19	Organic diseases of the heart	275	141	134	16								4	2	12	27
20	Bronchitis	7	5	2	2	4					4			1		1
21	Pneumonia	50	29	21	7	7	3	1	2		13	3	2	4	4	9
22	Other diseases of the respiratory system (tuberculosis excepted)	56	32	24	9	20	13		2		35	1		1	2	3
23	Diseases of the stomach (cancer excepted)	10	7	3	1						1			1	1	2
24	Diarrhoea and enteritis (under 2 years)	20	9	11	1	19	1				20					
25	Appendicitis and typhilitis	14	10	4				1			1		1	5	2	3
26	Hernia, intestinal obstruction	17	10	7	1	3					3	1			1	2
27	Cirrhosis of the liver	12	9	3											1	2
28	Acute nephritis and Bright's disease	145	80	65	10							1	2	1	13	18
29	Noncancerous tumors and other diseases of the female genital organs	10		10	4								1	2	2	4
30	Puerperal septicaemia (puerperal fever, peritonitis)	3		3											2	1
31	Other puerperal accidents of pregnancy & labor	10		10	1								1	6	1	2
32	Congenital debility and malformations	81	42	39	11	81					81					
33	Senility	1		1												
34	Suicide	26	19	7											2	6
35	Violent deaths (suicide excepted)	90	68	27	4	1	1		1	1	4	6	7	14	8	13
36	Other diseases	231	141	90	20	28	3	3	1	2	37	3	9	14	10	31
37	Unknown or ill-defined diseases	2	2												1	1
38	Total	1415	776	639	117	175	31	13	9	3	231	21	34	74	93	172

Estimated population, 123,455.

Total resident deaths, 1,415.

Rate per 1,000 population, 11.4.

TABULATION OF DEATHS IN MIDDLESEX COUNTY FOR 1930, ACCORDING TO THE ABRIDGED INTERNATIONAL LIST OF CAUSES OF DEATH

Abridged International List No.	CAUSE OF DEATH	AGE PERIODS																					
		Total	Male	Female	Color, if other than white	Under 1 year	1 year	2 years	3 years	4 years	Under 5 years	5 to 9	10 to 19	20 to 29	30 to 39	40 to 49	50 to 59	60 to 69	70 to 79	80 to 89	90 and over	Unknown	
1	Typhoid fever	4	2	2	2								1	2	1								
2	Typhus fever																						
3	Malaria	1		1															1				
4	Smallpox																						
5	Measles	2		2					1			1											
6	Scarlet fever	1	1							1	1												
7	Whooping cough	5	4	1		4	1				5												
8	Diphtheria and croup	37	12	25		1	2	4	5	4	16	15	5	1									
9	Influenza	16	10	6	2	3		1			4	1			3	3	3	1		1			
10	Asiatic cholera																						
11	Cholera nostras																						
12	Other epidemic diseases	16	8	8		3	1				4	2	2		2	3	1	1	1				
13	Tuberculosis of the lungs	121	74	47	9	1	1				2	1	10	24	32	21	17	9	4	1			
14	Tuberculosis meningitis	4	1	3				1			1	1	1		1								
15	Other forms of tuberculosis	6	4	2	1								1	1	2	1							
16	Cancer and other malignant tumors	164	68	96	4							1		3	10	29	39	49	23	10			
17	Simple meningitis	12	6	6		5	1				6	1	3	1		1							
18	Cerebral hemorrhage and softening	191	100	91	3			1	1		1				3	17	30	45	67	24	4		
19	Organic diseases of the heart	388	217	171	11	2		1			3	5	6	15	13	54	70	91	84	42	5		
20	Bronchitis	6	4	2		1	1				2				1	1	1						
21	Pneumonia	108	73	35	7	16	4	4		1	25	4	5	7	8	14	17	16	8	3	1		
22	Other diseases of the respiratory system (tuberculosis excepted)	80	51	29	5	33	4				37	2	1	2	4	2	12	4	10	5	1		
23	Diseases of the stomach (cancer excepted)	19	13	6	1	2		1			3				5	2	3	6					
24	Diarrhoea and enteritis (under 2 years)	29	14	15	2	29	3				32												
25	Appendicitis and typhlitis	27	17	10	3			1	1	1	3				6	6	5	2	1	3	1		
26	Hernia, intestinal obstruction	12	8	4	1	1			1		2				1	1	1	2	4	1			
27	Cirrhosis of the liver	21	16	5		1					1						10	3	2	3			
28	Acute nephritis and Bright's disease	148	82	66	5		1	1	1						5	6	10	17	26	41	23	11	6
29	Noncancerous tumors and other diseases of the female genital organs	4		4	1											3	1						
30	Puerperal septicaemia (puerperal fever, peritonitis)	5		5										1	2	2							
31	Other puerperal accidents of pregnancy & labor	11		11									1	7	2	1							
32	Congenital debility and malformations	111	69	42	8	110	1				111								1	2	3	2	
33	Senility	8	1	7											1	5	6	7	4			1	
34	Suicide	2	20	4	1																		
35	Violent deaths (suicide excepted)	193	145	48	9	1	3	2	6	5	17	8	21	20	31	35	19	17	13	12			
36	Other diseases	260	131	129	10	9	1	4	3	4	21	7	15	13	28	29	41	46	47	10	3		
37	Unknown or ill-defined diseases	2	2			1					1					1							
	Total	2629	1153	886	86	223	25	19	19	16	302	99	84	113	173	250	292	339	291	123	23		

Estimated population, 213,424.

Total resident deaths, 2,039.

Rate per 1,000 population, 9.5.

TABULATION OF DEATHS IN CARTERET BOROUGH FOR 1930, ACCORDING TO THE ABRIDGED INTERNATIONAL LIST OF CAUSES OF DEATH

Abridged International List No.	CAUSE OF DEATH	AGE PERIODS														Total	Male	Female	Color, if other than white
		Under 1 year	1 year	2 years	3 years	4 years	Under 5 years	5 to 9	10 to 19	20 to 29	30 to 39	40 to 49	50 to 59	60 to 69	70 to 79	80 to 89	90 and over		
1	Typhoid fever																		
2	Typhus fever																		
3	Malaria																		
4	Smallpox																		
5	Measles																		
6	Scarlet fever																		
7	Whooping cough	1					1												
8	Diphtheria and croup		1																
9	Influenza	1	1					1				1							
10	Asiatic cholera																		
11	Cholera nostras																		
12	Other epidemic diseases																		
13	Tuberculosis of the lungs	5	3	2	1					1	1	3							
14	Tuberculosis meningitis																		
15	Other forms of tuberculosis																		
16	Cancer and other malignant tumors	6	5	1								1	2						
17	Simple meningitis																		
18	Cerebral hemorrhage and softening	3	3								1			1	1				
19	Organic diseases of the heart	1	3	4				1			1	5	2	2	2				
21	Bronchitis																		
22	Pneumonia	9	5	4			1	1			1	3	2	2	1				
23	Other diseases of the respiratory system (tuberculosis excepted)	2	7	1	1	6		6				1	1						
24	Diseases of the stomach (cancer excepted)	3	2	1									3						
25	Diarrhoea and enteritis (under 2 years)	4	1	3		4		4											
26	Appendicitis and typhlitis	1	1								1								
27	Hernia, intestinal obstruction	2		2															
28	Cirrhosis of the liver	3	2	1			1					1	1	1					
29	Acute nephritis and Bright's disease	5	2	4			1					1	2	1	1				
30	Noncancerous tumors and other diseases of the female genital organs	1		1							1								
31	Puerperal septicaemia (puerperal fever, peritonitis)																		
32	Other puerperal accidents of pregnancy & labor																		
33	Congenital debility and malformations	12	9	3		12		12											
34	Senility																		
35	Suicide	1	1											1					
36	Violent deaths (suicide excepted)	8	6	2				1	2		2	2				1			
37	Other diseases	12	6	6		1	1			2	2	1	2	2	2				
38	Unknown or ill-defined diseases																		
	Total	100	63	37	2	24	26	4	2	3	11	21	14	9	10				

Estimated population, 13,395.

Total resident deaths, 100.

Rate per 1,000 population, 7.4.

TABULATION OF DEATHS IN NEW BRUNSWICK FOR 1930, ACCORDING TO THE ABRIDGED INTERNATIONAL LIST OF CAUSES OF DEATH

Abridged International List No.	CAUSE OF DEATH	AGE PERIODS																				
		Total	Male	Female	Color, if other than white	Under 1 year	1 year	2 years	3 years	4 years	Under 5 years	5 to 9	10 to 19	20 to 29	30 to 39	40 to 49	50 to 59	60 to 69	70 to 79	80 to 89	90 and over	Unknown
1	Typhoid fever	1	1											1								
2	Typhus fever																					
3	Malaria	1		1															1			
4	Smallpox																					
5	Measles																					
6	Scarlet fever																					
7	Whooping cough																					
8	Diphtheria and croup	2		2		1		1		2												
9	Influenza	1	1														1					
10	Asiatic cholera																					
11	Cholera nostras																					
12	Other epidemic diseases	4	1	3		1				1	1	1					1					
13	Tuberculosis of the lungs	31	19	12	5			1		1				5	9	4	4	5	2	1		
14	Tuberculosis meningitis	1		1				1		1												
15	Other forms of tuberculosis	1		1										1								
16	Cancer and other malignant tumors	35	9	26											2	4	10	12	4	3		
17	Simple meningitis	3	1	2										1		1						
18	Cerebral hemorrhage and softening	44	25	19											1	5	7	6	20	3	2	
19	Organic diseases of the heart	52	44	38	8							1		4	1	10	16	22	16	9	3	
21	Bronchitis																					
22	Pneumonia	15	9	6	3	4				4	2				2	2	1	1	1	1	1	
23	Other diseases of the respiratory system (tuberculosis excepted)	10	15	4	3	5	2			7				1	3	1	2	2	3			
24	Diseases of the stomach (cancer excepted)	4	2	1						1								3				
25	Diarrhoea and enteritis (under 2 years)	3	2	2		4	1			5												
26	Appendicitis and typhlitis	2	2		1									1				1				
27	Hernia, intestinal obstruction	2	2		1	1				1									1			
28	Cirrhosis of the liver	7	5	2		1				1						4			2			
29	Acute nephritis and Bright's disease	25	10	15	3		1			1				2	3	1	4	2	6	3	3	
30	Noncancerous tumors and other diseases of the female genital organs	1		1											1							
31	Puerperal septicaemia (puerperal fever, peritonitis)																					
32	Other puerperal accidents of pregnancy & labor	4		4										2	1	1						
33	Congenital debility and malformations	20	10	10	2	20				20												
34	Senility																					
36	Suicide	5	5												1	2	2					
35	Violent deaths (suicide excepted)	21	21	10	4			1		2	3	1	2	6	2	8		4	3	1		
37	Other diseases	60	30	30	6	4		1		5			1	4	9	8	10	12	10	1		
38	Unknown or ill-defined diseases	1	1			1				1												
	Total	461	217	190	36	42	6	4		9	54	5	6	29	36	51	56	70	69	22	9	

Estimated population, 34,598.

Total resident deaths, 407.

Rate per 1,000 population, 11.7.

TABULATION OF DEATHS IN PERTH AMBOY CITY FOR 1930, ACCORDING TO THE ABRIDGED INTERNATIONAL LIST OF CAUSES OF DEATH

Abridged international List No.	CAUSE OF DEATH	AGE PERIODS																				
		Total	Male	Female	Color, if other than white																	Unknown
						Under 1 year	1 year	2 years	3 years	4 years	Under 5 years	5 to 9	10 to 19	20 to 29	30 to 39	40 to 49	50 to 59	60 to 69	70 to 79	80 to 89	90 and over	
1	Typhoid fever	1	1		1										1							
2	Typhus fever																					
3	Malaria																					
4	Smallpox																					
5	Measles	1		1								1										
6	Scarlet fever																					
7	Whooping cough																					
8	Diphtheria and croup	1		1								1										
9	Influenza	3	3			2					2				1							
10	Asiatic cholera																					
11	Cholera nostras																					
12	Other epidemic diseases	4	1	3		1					1				1	1		1				
13	Tuberculosis of the lungs	28	15	13	1							1	5	5	3	2	6	2				
14	Tuberculosis meningitis	2		2								1			1							
15	Other forms of tuberculosis	1	1													1						
16	Cancer and other malignant tumors	33	17	16	1									1	2	6	7	12	5			
17	Simple meningitis	1		1								1										
18	Cerebral hemorrhage and softening	31	18	13												4	7	8	7	5		
19	Organic diseases of the heart	83	45	38	1	1					1	2	3	5	4	12	13	23	13	7		
20	Bronchitis																					
21	Pneumonia	21	17	4	3	1	3	1			1	6		2	3	2	3	1	3	1		
22	Other diseases of the respiratory system (tuberculosis excepted)	9	6	3		7					7							1	1			
23	Diseases of the stomach (cancer excepted)	1		1												1						
24	Diarrhoea and enteritis (under 2 years)	7	6	1	1	7					7											
25	Appendicitis and typhlitis	8	6	2										1	3	1	1		1			
26	Hernia, intestinal obstruction	2	1	1												1				1		
27	Cirrhosis of the liver	5	4	1												2	1		1			
28	Acute nephritis and Bright's disease	35	23	10									2	2	3	5	4	9	6	1	1	
29	Noncancerous tumors and other diseases of the female genital organs	1		1	1											1						
30	Puerperal septicaemia (puerperal fever, peritonitis)	2		2											1							
31	Other puerperal accidents of pregnancy & labor	2		2										1	1							
32	Congenital debility and malformations	17	11	6	1	17					17											
33	Senility	3		3																2	1	
34	Suicide	5	5		1												2	2	1			
35	Violent deaths (suicide excepted)	42	31	11	2	1			1		2	1	3	5	8	9	8	3	2	1		
36	Other diseases	56	24	32	2	1		1			2	2	7	1	8	5	8	10	9	4		
37	Unknown or ill-defined diseases	1	1													1						
	Total	404	236	168	15	38	3	2	1	1	45	10	24	29	43	53	58	74	45	21	2	

Estimated population, 43,560.

Total resident deaths, 404.

Rate per 1,000 population, 9.2.

TABULATION OF DEATHS IN SOUTH RIVER BOROUGH FOR 1930, ACCORDING TO THE ABRIDGED INTERNATIONAL LIST OF CAUSES OF DEATH

Abridged International List No.	CAUSE OF DEATH	AGE PERIODS																				
		Total	Male	Female	Color, if other than white	Under 1 year	1 year	2 years	3 years	4 years	Under 5 years	5 to 9	10 to 19	20 to 29	30 to 39	40 to 49	50 to 59	60 to 69	70 to 79	80 to 89	90 and over	Unknown
1	Typhoid fever																					
2	Typhus fever																					
3	Malaria																					
4	Smallpox																					
5	Measles																					
6	Scarlet fever																					
7	Whooping cough																					
8	Diphtheria and croup	6	1	5				2			2	12	1	1								
9	Influenza																					
10	Asiatic cholera																					
11	Cholera nostras																					
12	Other epidemic diseases	1	1																			
13	Tuberculosis of the lungs	11	8	3									3	2	2	3		1				
14	Tuberculosis meningitis																					
15	Other forms of tuberculosis																					
16	Cancer and other malignant tumors	5	3	2												2	2	1				
17	Simple meningitis																					
18	Cerebral hemorrhage and softening	7	3	4												2		1		3	1	
19	Organic diseases of the heart	11	6	5											1	1	4		3	2		
20	Bronchitis	2	2			1					1					1						
21	Pneumonia	2		2													1	1				
22	Other diseases of the respiratory system (tuberculosis excepted)	1	1														1					
23	Diseases of the stomach (cancer excepted)	3	2	1		1					1				1			1				
24	Diarrhoea and enteritis (under 2 years)	2		2		2					2											
25	Appendicitis and typhilitis	1	1												1							
26	Hernia, intestinal obstruction																					
27	Cirrhosis of the liver																					
28	Acute nephritis and Bright's disease	4	3	1												1	1	2				
29	Noncancerous tumors and other diseases of the female genital organs																					
30	Puerperal septicæmia (puerperal fever, peritonitis)	1		1										1								
31	Other puerperal accidents of pregnancy & labor																					
32	Congenital debility and malformations	3	2	1		3					3											
33	Senility																					
34	Suicide	1	1																			
35	Violent deaths (suicide excepted)	8	8					1		1	1	1		2	3							
36	Other diseases	11	6	5		1				1	1				4	3	1				1	
37	Unknown or ill-defined diseases																					
	Total	80	48	32		8		2	1	11	4	5	4	7	19	12	8	6	3	1		

Estimated population, 10,861.

Total resident deaths, 80.

Rate per 1,000 population, 7.3.

TABULATION OF DEATHS IN MONMOUTH COUNTY FOR 1930, ACCORDING TO THE ABRIDGED INTERNATIONAL LIST OF CAUSES OF DEATH

Abridged International List No.	CAUSE OF DEATH	AGE PERIODS																				
		Total	Male	Female	Color, if other than white	Under 1 year	1 year	2 years	3 years	4 years	Under 5 years	5 to 9	10 to 19	20 to 29	30 to 39	40 to 49	50 to 59	60 to 69	70 to 79	80 to 89	90 and over	Unknown
1	Typhoid fever	5	3	2								1			1	1	1	1				
2	Typhus fever																					
3	Malaria																					
4	Smallpox																					
5	Measles	4	2	2		2			1		3	1										
6	Scarlet fever	3	1	2	1							2	1									
7	Whooping cough	6	4	2	1	5	1				6											
8	Diphtheria and croup	6	5	1			1		1		2	3		1								
9	Influenza	11	3	8	3	2	1				3	1	1			2	2	2				
10	Asiatic cholera																					
11	Cholera nostras																					
12	Other epidemic diseases	12	4	8	1	2	1			1	4		2	1	1	2	1			1		
13	Tuberculosis of the lungs	86	47	39	32								9	15	22	15	11	6	6	2		
14	Tuberculosis meningitis	3	1	2						1	1				2							
15	Other forms of tuberculosis	7	3	4	2							2			1	1	2			1		
16	Cancer and other malignant tumors	212	75	137	11			1			1		6	11	22	51	55	49	16	1		
17	Simple meningitis	3	2	1					1		1					1						
18	Cerebral hemorrhage and softening	192	98	94	18		1				1	1		1	3	10	30	51	60	31	4	
19	Organic diseases of the heart	450	233	217	46					1	1	1	5	13	10	36	58	103	131	74	20	
21	Bronchitis	7	6	1	5	3					3	1						1		2		
22	Pneumonia	52	24	28	7	4	3				7	2	4	2	7	5	8	9	3	5		
23	Other diseases of the respiratory system (tuberculosis excepted)	54	28	26	16	16	1	2	1	2	22	1		1	1	1	8	8	7	5		
24	Diseases of the stomach (cancer excepted)	15	12	3	1											7	3	4			1	
25	Diarrhoea and enteritis (under 2 years)	17	11	6	5	12	5				17											
26	Appendicitis and typhlitis	27	16	11	6	1					1	1	7	4	2	7	1	2	2			
27	Hernia, intestinal obstruction	13	7	6											1	2	1	4	3	2		
28	Cirrhosis of the liver	12	9	3	2										2	1	3	5	1			
29	Acute nephritis and Bright's disease	182	93	89	15										2	6	15	23	40	67	22	7
30	Noncancerous tumors and other diseases of the female genital organs	10		10	4										3	1	4		2			
31	Puerperal septicæmia (puerperal fever, peritonitis)	8		8	2										5	1						
32	Other puerperal accidents of pregnancy & labor	14		14	2										5	8		1				
33	Congenital debility and malformations	75	46	29	10	75					75											
34	Senility	11	6	5	1														1	1	5	4
36	Suicide	21	18	3	1										4	5	1	6	5			
35	Violent deaths (suicide excepted)	122	77	45	16	1	1	2	1	1	6	2	15	12	16	10	11	16	16	17	1	
37	Other diseases	275	133	142	48	19	1	1	2	2	25	1	9	13	17	35	36	54	56	22	7	
38	Unknown or ill-defined diseases																					
Total		1915	967	948	256	142	16	6	7	8	179	20	55	89	117	178	256	369	402	205	45	

Estimated population, 148,240.

Total resident deaths, 1,915.

Rate per 1,000 population, 12.9.

TABULATION OF DEATHS IN ASBURY PARK CITY FOR 1930, ACCORDING TO THE ABRIDGED INTERNATIONAL LIST OF CAUSES OF DEATH

Abridged International List No.	CAUSE OF DEATH	Total	Male	Female	Color, if other than white	AGE PERIODS																	
						Under 1 year	1 year	2 years	3 years	4 years	Under 5 years	5 to 9	10 to 19	20 to 29	30 to 39	40 to 49	50 to 59	60 to 69	70 to 79	80 to 89	90 and over	Unknown	
1	Typhoid fever																						
2	Typhus fever																						
3	Malaria																						
4	Smallpox																						
5	Measles																						
6	Scarlet fever																						
7	Whooping cough																						
8	Diphtheria and croup																						
9	Influenza	1		1														1					
10	Asiatic cholera																						
11	Cholera nostras																						
12	Other epidemic diseases	2		2												1					1		
13	Tuberculosis of the lungs	15	8	7	9									4	2	2	3	1	3				
14	Tuberculosis meningitis	2		2					1						1								
15	Other forms of tuberculosis	2		2	2							2											
16	Cancer and other malignant tumors	20	3	17	3									1	3	3	2	4	4	2	1		
17	Simple meningitis																						
18	Cerebral hemorrhage and softening	23	9	14	4							1		1		4	4	6	6	1			
19	Organic diseases of the heart	44	23	21	9									1	1	5	9	12	5	10	1		
21	Bronchitis																						
22	Pneumonia	8	3	5	2	1					1	1	2	1		1		1	1				
23	Other diseases of the respiratory system (tuberculosis excepted)	6	3	3	6	1			1							1	2	1					
24	Diseases of the stomach (cancer excepted)	1		1	1											1							
25	Diarrhoea and enteritis (under 2 years)	3	2	1	3																		
26	Appendicitis and typhlitis	3	3		2										2				1				
27	Hernia, intestinal obstruction	2	1	1														2					
28	Cirrhosis of the liver	2	1	1	1												1	1					
29	Acute nephritis and Bright's disease	15	5	10	2											1	2	5	6	1			
30	Noncancerous tumors and other diseases of the female genital organs	3		3	2										1		2						
31	Puerperal septicaemia (puerperal fever, peritonitis)	1		1	1										1								
32	Other puerperal accidents of pregnancy & labor	2		2	1										1	1							
33	Congenital debility and malformations	9	5	4	2	9																	
34	Scalds	1		1																			
35	Suicide	2	2		1												1	1				1	
36	Violent deaths (suicide excepted)	15	8	7	5							1	3	1	1	2	2	3		2			
37	Other diseases	32	17	15	10	3							1	1	2		5	5	8	4	1	1	
38	Unknown or ill-defined diseases																						
	Total	244	93	121	64	17		1	1				6	16	10	23	31	45	29	23	5		

Estimated population, 15,044.

Total resident deaths, 214.

Rate per 1,000 population, 14.2.

TABULATION OF DEATHS IN LONG BRANCH CITY FOR 1930, ACCORDING TO THE ABRIDGED INTERNATIONAL LIST OF CAUSES OF DEATH

Abridged International List No.	CAUSE OF DEATH	Total	Male	Female	Color, if other than white	AGE PERIODS																
						Under 1 year	1 year	2 years	3 years	4 years	Under 5 years	5 to 9	10 to 19	20 to 29	30 to 39	40 to 49	50 to 59	60 to 69	70 to 79	80 to 89	90 and over	Unknown
1	Typhoid fever	1	1									1										
2	Typhus fever																					
3	Malaria																					
4	Smallpox																					
5	Measles																					
6	Scarlet fever	1	1																			
7	Whooping cough	1	1			1																
8	Diphtheria and croup	1	1									1										
9	Influenza																					
10	Asiatic cholera																					
11	Cholera nostras																					
12	Other epidemic diseases	4	1	3	1	2				1	3			1								
13	Tuberculosis of the lungs	12	7	5	5									3	1		4	2	1	1		
14	Tuberculosis meningitis	1	1														1					
15	Other forms of tuberculosis	1	1															1				
16	Cancer and other malignant tumors	21	10	14													1		9	4	9	1
17	Simple meningitis																					
18	Cerebral hemorrhage and softening	24	11	13	3												2	5	4	9	4	
19	Organic diseases of the heart	60	31	29	8					1	1			1	3		2	4	8	10	13	16
21	Bronchitis																					
22	Pneumonia	11	5	6				1			1						2		5	2	1	
23	Other diseases of the respiratory system (tuberculosis excepted)	3	2	1	1	2		1			3											
24	Diseases of the stomach (cancer excepted)	2	2														1					1
25	Diarrhoea and enteritis (under 2 years)	4	3	1		3	1				4											
26	Appendicitis and typhilitis	4	1	3	1	1					1			1			1			1		
27	Hernia, intestinal obstruction	1		1														1				
28	Cirrhosis of the liver	1	1														1					
29	Acute nephritis and Bright's disease	35	20	15	3												1	3	5	5	12	7
30	Noncancerous tumors and other diseases of the female genital organs																					
31	Puerperal septicaemia (puerperal fever, peritonitis)																					
32	Other puerperal accidents of pregnancy & labor	1		1													1					
33	Congenital debility and malformations	7	6	1	3	7					7											
34	Senility																					
36	Suicide	3	2	1													1		1	1		
35	Violent deaths (suicide excepted)	15	9	6	1								2	1	3	1	2	1	3	3	2	
37	Other diseases	26	12	14	7	2	1				3		1	1	2	2	3	10	3	1		
38	Unknown or ill-defined diseases																					
	Total	243	129	114	33	18	3	1	2	24	3	7	8	19	16	41	38	51	31	5	...	

Estimated population, 18,518.

Total resident deaths, 243.

Rate per 1,000 population, 13.1.

TABULATION OF DEATHS IN RED BANK BOROUGH FOR 1930, ACCORDING TO THE ABRIDGED INTERNATIONAL LIST OF CAUSES OF DEATH

Abridged International List No.	CAUSE OF DEATH	Total	Male	Female	Color, if other than white	AGE PERIODS																	
						Under 1 year	1 year	2 years	3 years	4 years	Under 5 years	5 to 9	10 to 19	20 to 29	30 to 39	40 to 49	50 to 59	60 to 69	70 to 79	80 to 89	90 and over	Unknown	
1	Typhoid fever																						
2	Typhus fever																						
3	Malaria																						
4	Smallpox																						
5	Measles	1																					
6	Scarlet fever	1		1	1							1											
7	Whooping cough																						
8	Diphtheria and croup																						
9	Influenza	2		2	1	1					1						1						
10	Asiatic cholera																						
11	Cholera nostras																						
12	Other epidemic diseases																						
13	Tuberculosis of the lungs	5	3	2	2											1	1		1	2			
14	Tuberculosis meningitis																						
15	Other forms of tuberculosis																						
16	Cancer and other malignant tumors	22	9	13	2												3	3	9	3	4		
17	Simple meningitis	1			1												1						
18	Cerebral hemorrhage and softening	16	8	8	1												1	5	5	2	3		
19	Organic diseases of the heart	49	27	22	10									3			2	4	5	13	12	7	3
21	Bronchitis																						
22	Pneumonia	5	2	3	2		1				1	1	1					1			1		
23	Other diseases of the respiratory system (tuberculosis excepted)	5	4	1	3	3					3							1			1		
24	Diseases of the stomach (cancer excepted)	1	1																1				
25	Diarrhoea and enteritis (under 2 years)	1		1	1		1			1													
26	Appendicitis and typhitis	3	2	1													1	1		1			
27	Hernia, intestinal obstruction	1	1															1					
28	Cirrhosis of the liver	1	1														1						
29	Acute nephritis and Bright's disease	10	8	2	2										1	1		2	1	3	2		
30	Noncancerous tumors and other diseases of the female genital organs	1		1															1				
31	Puerperal septicaemia (puerperal fever, peritonitis)																						
32	Other puerperal accidents of pregnancy & labor																						
33	Congenital debility and malformations	4	3	1		4					4												
34	Senility																						
36	Suicide	2	2															1	1				
35	Violent deaths (suicide excepted)	12	9	3	3							1	3	3	1	1	2				1		
37	Other diseases	25	12	13	4	1					1		1		3	4	4	3	6	1	2		
38	Unknown or ill-defined diseases																						
	Total	167	92	75	32	9	2				11	3	8	4	10	17	26	34	29	19	6		

Estimated population, 11,680.

Total resident deaths, 167.

Rate per 1,000 population, 14.2.

TABULATION OF DEATHS IN MORRIS COUNTY FOR 1930, ACCORDING TO THE ABRIDGED INTERNATIONAL LIST OF CAUSES OF DEATH

Abridged International List No.	CAUSE OF DEATH	Total	Male	Female	Color, if other than white	AGE PERIODS																							
						Under 1 year	1 year	2 years	3 years	4 years	Under 5 years	5 to 9	10 to 14	20 to 29	30 to 39	40 to 49	50 to 59	60 to 69	70 and over	70 to 79	80 to 89	90 to 99	Unknown						
1	Typhoid fever	1	1																1										
2	Typhus fever																												
3	Malaria	1	1																		1								
4	Smallpox																												
5	Measles	4	2	2		1	2				3			1															
6	Scarlet fever	2		2										1															
7	Whooping cough	2	1	1		2					2			1					1										
8	Diphtheria and croup	1		1																									
9	Influenza	6	2	4		3		1			4					1						1							
10	Asiatic cholera																												
11	Cholera nostras																												
12	Other epidemic diseases	11	5	6		1					1			1				3	2			4							
13	Tuberculosis of the lungs	65	32	33	10									5	15	9	14	11	9			2							
14	Tuberculosis meningitis	4	2	2	1	2	7																						
15	Other forms of tuberculosis	6	4	2																									
16	Cancer and other malignant tumors	127	54	73	2										3	4	11	37	40			22	10						
17	Simple meningitis	3	2	1							1	1			1														
18	Cerebral hemorrhage and softening	111	45	66	5										1	4	5	8	22	51	17		3						
19	Organic diseases of the heart	249	134	115	9									1	4	3	7	19	42	47	70	48		8					
21	Bronchitis	4	3	1		1				1	2																		
22	Pneumonia	41	21	20	4	3	1				5	3	2				5	4	8	6	3	5							
23	Other diseases of the respiratory system (tuberculosis excepted)	30	16	14	2	5	2		1		8					1	2	3	3	5	5	3							
24	Diseases of the stomach (cancer excepted)	7	6	1														1	1	1	2	1							
25	Diarrhoea and enteritis (under 2 years)	9	5	4		8	1				9																		
26	Appendicitis and typhilitis	10	6	4		1																							
27	Hernia, intestinal obstruction	13	3	10	1						1	1					3	3	2		1								
28	Cirrhosis of the liver	6	4	2																									
29	Acute nephritis and Bright's disease	144	76	68	6												2	6	11	28	34	25	35	3					
30	Noncancerous tumors and other diseases of the female genital organs	4		4	1												2	2											
31	Puerperal septicaemia (puerperal fever, peritonitis)	3		3												1	1	1											
32	Other puerperal accidents of pregnancy & labor	3		3													1	2											
33	Congenital debility and malformations	63	27	36	6	63					63																		
34	Senility	6	4	2																									
35	Suicide	19	13	6												3	4	3	4	5									
36	Violent deaths (suicide excepted)	93	71	22	6	1	3	2	1	1	6		6	12	20	11	5	7	10	8	3	3							
37	Other diseases	181	95	86	13	20	1	4		1	26		2	4	8	7	16	27	37	34	16	4							
38	Unknown or ill-defined diseases	1	1																										
	Total	1230	636	594	67	110	11	7	3	5	136	14	37	65	69	102	188	223	233	139	24								

Estimated population, 111,122.

Total resident deaths, 1,230.

Rate per 1,000 population, 11.0

TABULATION OF DEATHS IN DOVER TOWN FOR 1930, ACCORDING TO THE ABRIDGED INTERNATIONAL LIST OF CAUSES OF DEATH

Abridged International List No.	CAUSE OF DEATH	Total	Male	Female	Color, if other than white	AGE PERIODS																
						Under 1 year	1 year	2 years	3 years	4 years	Under 5 years	5 to 9	10 to 19	20 to 29	30 to 39	40 to 49	50 to 59	60 to 69	70 to 79	80 to 89	90 and over	Unknown
1	Typhoid fever																					
2	Typhus fever																					
3	Malaria																					
4	Smallpox																					
5	Measles																					
6	Scarlet fever																					
7	Whooping cough																					
8	Diphtheria and croup																					
9	Influenza	2	1	1		1		1			2											
10	Asiatic cholera																					
11	Cholera nostras																					
12	Other epidemic diseases																					
13	Tuberculosis of the lungs	3	2	1											1		1	1				
14	Tuberculosis meningitis																					
15	Other forms of tuberculosis	1	1												1							
16	Cancer and other malignant tumors	17	9	8											1	1	1	4	3	4	3	
17	Simple meningitis																					
18	Cerebral hemorrhage and softening	12	7	5											1			1	3	4	3	
19	Organic diseases of the heart	20	10	10										2	1		2	5	1	3	5	1
21	Bronchitis																					
22	Pneumonia	5	3	2										1				2	1		1	
23	Other diseases of the respiratory system (tuberculosis excepted)	3	3			1	1				2								1			
24	Diseases of the stomach (cancer excepted)																					
25	Diarrhoea and enteritis (under 2 years)																					
26	Appendicitis and typhlitis	1		1											1							
27	Hernia, intestinal obstruction																					
28	Cirrhosis of the liver	1	1														1					
29	Acute nephritis and Bright's disease	7	3	4	1												1	2	1	2		1
30	Noncancerous tumors and other diseases of the female genital organs																					
31	Puerperal septicaemia (puerperal fever, peritonitis)																					
32	Other puerperal accidents of pregnancy & labor	1		1												1						
33	Congenital debility and malformations	2		2		2					2											
34	Senility	1	1																		1	
35	Suicide	1		1												1						
36	Violent deaths (suicide excepted)	10	7	3						1	1		2		1	2	1	1		1	1	
37	Other diseases	20	6	14	1	1		1			2			2		2	2	5	5	1	1	
38	Unknown or ill-defined diseases																					
Total		107	54	53	2	5	1	2		1	9		5	7	5	10	18	16	18	14	5	

Estimated population, 10,037.

Total resident deaths, 107.

Rate per 1,000 population, 10.6.

TABULATION OF DEATHS IN MORRISTOWN TOWN FOR 1930, ACCORDING TO THE ABRIDGED INTERNATIONAL LIST OF CAUSES OF DEATH

Abridged International List No.	CAUSE OF DEATH	AGE PERIODS																				
		Total	Male	Female	Color, if other than white	Under 1 year	1 year	2 years	3 years	4 years	Under 5 years	5 to 9	10 to 19	20 to 29	30 to 39	40 to 49	50 to 59	60 to 69	70 to 79	80 to 89	90 and over	Unknown
1	Typhoid fever	1	1														1					
2	Typhus fever																					
3	Malaria	1	1																1			
4	Smallpox																					
5	Measles	2	1	1			2			2												
6	Scarlet fever																					
7	Whooping cough																					
8	Diphtheria and croup																					
9	Influenza	1	1											1								
10	Asiatic cholera																					
11	Cholera nostras																					
12	Other epidemic diseases	4		4													2		2			
13	Tuberculosis of the lungs	10	5	5	6								1	1	3	1	2	2				
14	Tuberculosis meningitis																					
15	Other forms of tuberculosis																					
16	Cancer and other malignant tumors	21	9	12	1											1	5	10	3	2		
17	Simple meningitis																					
18	Cerebral hemorrhage and softening	19	7	12	3										3		2	3	6	4	1	
19	Organic diseases of the heart	28	18	10	3								1		1		6	8	9	3		
20	Bronchitis	1		1																		
21	Pneumonia	9	4	5	3	1	1			2	1				1	2	1	1	1			
22	Other diseases of the respiratory system (tuberculosis excepted)	5	4	1												1	1		1	2		
23	Diseases of the stomach (cancer excepted)	1	1														1					
24	Diarrhoea and enteritis (under 2 years)																					
25	Appendicitis and typhlitis	1		1											1							
26	Hernia, intestinal obstruction	4	1	3												1	1		1	1		
27	Cirrhosis of the liver	2	2													1	1					
28	Acute nephritis and Bright's disease	20	16	13	2										1	1		8	10	2	6	1
29	Noncancerous tumors and other diseases of the female genital organs																					
30	Puerperal septicaemia (puerperal fever, peritonitis)	1		1											1							
31	Other puerperal accidents of pregnancy & labor																					
32	Congenital debility and malformations	8	3	5	4	8				8												
33	Senility	3	1	2															1	1	1	
34	Suicide	6	3	3										2	1							
35	Violent deaths (suicide excepted)	16	12	4	2	1				1	2	3	3	2	1				3		1	
36	Other diseases	41	28	13	8	6				6			2	2	2	5	7	9	6	2		
37	Unknown or ill-defined diseases																					
	Total	214	118	96	32	15	41			19	3	7	11	15	13	38	47	37	21	3		

Estimated population, 15,262.

Total resident deaths, 214

Rate per 1,000 population, 14.0.

TABULATION OF DEATHS IN OCEAN COUNTY FOR 1930, ACCORDING TO THE ABRIDGED INTERNATIONAL LIST OF CAUSES OF DEATH

Abridged International List No.	CAUSE OF DEATH	AGE PERIODS																				
		Total	Male	Female	Color, if other than white	Under 1 year	1 year	2 years	3 years	4 years	Under 5 years	5 to 9	10 to 19	20 to 29	30 to 39	40 to 49	50 to 59	60 to 69	70 to 79	80 to 89	90 and over	Unknown
1	Typhoid fever	1		1												1						
2	Typhus fever																					
3	Malaria																					
4	Smallpox																					
5	Measles																					
6	Scarlet fever																					
7	Whooping cough																					
8	Diphtheria and croup																					
9	Influenza	3	2	1	1											1			1		1	
10	Asiatic cholera																					
11	Cholera nostras																					
12	Other epidemic diseases	1	1													1						
13	Tuberculosis of the lungs	23	13	10	5								1	8	5	5	2	1	1			
14	Tuberculosis meningitis	1	1							1	1											
15	Other forms of tuberculosis	2	1	1										1	1							
16	Cancer and other malignant tumors	49	24	25	2											2	4	16	11	14	2	
17	Simple meningitis	1		1											1							
18	Cerebral hemorrhage and softening	48	22	26	1											2	4	7	12	15	7	1
19	Organic diseases of the heart	80	51	38	2											3	3	9	20	35	16	
20	Bronchitis	2	1	1														1		1		
21	Pneumonia	14	8	6	4					1	1					3	2	4	2	1	1	
22	Other diseases of the respiratory system (tuberculosis excepted)	19	8	11	2	4	1	1				1	1	1	1			3	1	5		
23	Diseases of the stomach (cancer excepted)	4	4		1											1			1			
24	Diarrhoea and enteritis (under 2 years)	4	2	2							4											
25	Appendicitis and typhilitis	4	3	1												2		2				
26	Hernia, intestinal obstruction	6	5	1						1									2	2		
27	Cirrhosis of the liver	2	2															1		1		
28	Acute nephritis and Bright's disease	45	25	20	2											1	5	6	4	21	6	2
29	Noncancerous tumors and other diseases of the female genital organs	2		2													2					
30	Puerperal septicaemia (puerperal fever, peritonitis)	2		2																		
31	Other puerperal accidents of pregnancy & labor	1		1												1						
32	Congenital debility and malformations	10	10			18	1				16									2	1	
33	Senility	2	1	1																		
34	Suicide	6	7	2												3	3	1	1			
35	Violent deaths (suicide excepted)	44	20	14	4	1	1	1	1	1	2		5	6	7	3	7	4	6	3		
36	Other diseases	58	32	26	1	3			1	1	5	2	1	3	4	3	6	12	10	10	1	
37	Unknown or ill-defined diseases	2	1	1													1			1		
38	Total	158	95	104	26	3	3	1	2	2	16	3	8	33	29	39	60	73	110	57	6	

Estimated population, 33,335.

Total resident deaths, 458.

Rate per 1,000 population, 13.7.

TABULATION OF DEATHS IN PASSAIC COUNTY FOR 1930, ACCORDING TO THE ABRIDGED INTERNATIONAL LIST OF CAUSES OF DEATH

Abridged International List No.	CAUSE OF DEATH	AGE PERIODS																																		
		Total	Male	Female	Color, if other than white	Under 1 year	1 year	2 years	3 years	4 years	Under 5 years	5 to 9	10 to 19	20 to 29	30 to 39	40 to 49	50 to 59	60 to 69	70 to 79	80 to 89	90 and over	Unknown														
1	Typhoid fever																																			
2	Typhus fever																																			
3	Malaria																																			
4	Smallpox																																			
5	Measles																																			
6	Scarlet fever	91	4	1	1	1	5	1	1		5																									
7	Whooping cough	91	4	2	1	1	1	1	1		2																									
8	Diphtheria and croup	41	3	1		3	1	1	1		4			1	1																					
9	Influenza	141	19	13		1	5	3	2	8	16	12	3			1	1																			
10	Asiatic cholera	149	17	8	1	2	1	1	1	4	1	1	1	1	2	3		4		2	3															
11	Cholera nostras																																			
12	Other epidemic diseases	9	3	2		2	1				3																									
13	Tuberculosis of the lungs	141	101	30	14				1		1																									
14	Tuberculosis meningitis	6	1	5		1	1		1		2																									
15	Other forms of tuberculosis	12	6	6	2		1		1		3																									
16	Cancer and other malignant tumors	162	169	173	6						1				3	1	2	2	1																	
17	Simple meningitis	12	9	3		2	1		2		5				4																					
18	Cerebral hemorrhage and softening	247	129	118	5										1	7	19	44	69	74	30	3														
19	Organic diseases of the heart	368	244	244	15	1				2	3	3	11	17	29	43	102	98	108	64	10															
20	Bronchitis	21	12	9	1	7				1	1						3	3	6	1	1															
21	Pneumonia	121	63	62	5	13	7	3	2	1	26			3	19	16	14	16	15	9	2															
22	Other diseases of the respiratory system (tuberculosis excepted)	92	51	41	8	29	7	2	2	1	41	1	1	6	3	4	10	10	8	6	2															
23	Diseases of the stomach (cancer excepted)	18	11	7		1					1																									
24	Diarrhoea and enteritis (under 2 years)	21	17	4	2	17	4				21																									
25	Appendicitis and typhlitis	36	23	13		1		1	1		3	2	3	5	6	5	6	4	2																	
26	Hernia, intestinal obstruction	33	20	13	1	3					3		3	1	5	5	5	9	4	3																
27	Cirrhosis of the liver	17	12	5										1	1	6	7	1																		
28	Acute nephritis and Bright's disease	242	134	108	8	1				1																										
29	Noncancerous tumors and other diseases of the female genital organs	13		13	4										4	12	20	46	64	71	21	3														
30	Puerperal septicaemia (puerperal fever, peritonitis)														4	2	4	2	1																	
31	Other puerperal accidents of pregnancy & labor	6		6										1		4																				
32	Congenital debility and malformations	148	95	53	4	147			1		148																									
33	Senility	13	5	8																																
34	Suicide	51	45	6																																
35	Violent deaths (suicide excepted)	215	162	53	11	4	1	2	3	2	11	11	19	25	5	14	11	12	3																	
36	Other diseases	414	221	193	12	26	4	5	4	3	42	9	21	17	34	32	58	102	69	24	13	2														
37	Unknown or ill-defined diseases																																			
38	Total	2823	1582	1241	100	261	36	18	20	18	35	50	83	141	230	283	461	525	468	192	37															

Estimated population, 303,177.

Total resident deaths, 2,823.

Rate per 1,000 population, 9.3.

TABULATION OF DEATHS IN CLIFTON CITY FOR 1930, ACCORDING TO THE ABRIDGED INTERNATIONAL LIST OF CAUSES OF DEATH

Abridged International List No.	CAUSE OF DEATH	AGE PERIODS																				
		Total	Male	Female	Color, if other than white	Under 1 year	1 year	2 years	3 years	4 years	Under 5 years	5 to 9	10 to 19	20 to 29	30 to 39	40 to 49	50 to 59	60 to 69	70 to 79	80 to 89	90 and over	Unknown
1	Typhoid fever																					
2	Typhus fever																					
3	Malaria																					
4	Smallpox																					
5	Measles																					
6	Scarlet fever																					
7	Whooping cough	2	2			2					2											
8	Diphtheria and croup	2	2					1			1	1										
9	Influenza	4	4								1	1			1	1	1					
10	Asiatic cholera																					
11	Cholera nostras																					
12	Other epidemic diseases	1		1		1				1												
13	Tuberculosis of the lungs	17	13	4								1		2	6	4	3		1			
14	Tuberculosis meningitis	2		2											1	1						
15	Other forms of tuberculosis																					
16	Cancer and other malignant tumors	51	29	22											1	5	5	17	15	7	1	
17	Simple meningitis	1		1											1							
18	Cerebral hemorrhage and softening	22	6	16											1	2	6	7	4	2		
19	Organic diseases of the heart	52	30	22								1	1	1	8	3	14	10	8	5	1	
21	Bronchitis	1		1																		
22	Pneumonia	21	19	11		2	2				4	1		1	5	5	1	1	2	1		
23	Other diseases of the respiratory system (tuberculosis excepted)	13	10	3		5				1	6				1	1	1	1	3			
24	Diseases of the stomach (cancer excepted)	1		1																		
25	Diarrhoea and enteritis (under 2 years)	2	2			2																
26	Appendicitis and typhilitis	4	3	1							2											
27	Bernia, intestinal obstruction	3	2	1									1	1	1							
28	Cirrhosis of the liver	2	2										1		1							
29	Acute nephritis and Bright's disease	32	22	10																		
30	Noncancerous tumors and other diseases of the female genital organs	1													4	1	7	7	11	2		
31	Puerperal septicaemia (puerperal fever, peritonitis)			1										1								
32	Other puerperal accidents of pregnancy & labor	2		2										1	1							
33	Congenital debility and malformations	1		1										1								
34	Senility	27	16	11		27					27											
35	Senility	1		1																		
36	Suicide	4	4													2	2					1
37	Violent deaths (suicide excepted)	27	23	4						1	1	1	2	7	2	4	3	5	1	1		
38	Other diseases	47	21	26		5	2	1	1				3	3	1		8	10	11	2		
39	Unknown or ill-defined diseases																					
	Total	343	201	142		44	4	2	1	2	5	6	8	20	36	30	63	61	49	15	2	

Estimated population, 47,373.

Total resident deaths, 343.

Rate per 1,000 population, 7.2.

TABULATION OF DEATHS IN HAWTHORNE BOROUGH FOR 1930, ACCORDING TO THE ABRIDGED INTERNATIONAL LIST OF CAUSES OF DEATH

Abridged International List No.	CAUSE OF DEATH	AGE PERIODS																				
		Total	Male	Female	Color, if other than white	Under 1 year	1 year	2 years	3 years	4 years	Under 5 years	5 to 9	10 to 19	20 to 29	30 to 39	40 to 49	50 to 59	60 to 69	70 to 79	80 to 89	90 and over	Unknown
1	Typhoid fever																					
2	Typhus fever																					
3	Malaria																					
4	Smallpox																					
5	Measles																					
6	Scarlet fever																					
7	Whooping cough																					
8	Diphtheria and croup	2	2							1	1	1										
9	Influenza	1	1																	1		
10	Asiatic cholera																					
11	Cholera nostras																					
12	Other epidemic diseases																					
13	Tuberculosis of the lungs	2		2										2								
14	Tuberculosis meningitis																					
15	Other forms of tuberculosis																					
16	Cancer and other malignant tumors	8	3	5												1	1	3	2	1		
17	Simple meningitis	2	2			1				1			1									
18	Cerebral hemorrhage and softening	9	5	4												2		1	3	2	1	
19	Organic diseases of the heart	16	9	7												1	2	5	3	5		
21	Bronchitis																					
22	Pneumonia	6	2	4												2	1	1			2	
23	Other diseases of the respiratory system (tuberculosis excepted)																					
24	Diseases of the stomach (cancer excepted)																					
25	Diarrhoea and enteritis (under 2 years)	1	1			1				1												
26	Appendicitis and typhilitis	1	1						1		1											
27	Hernia, intestinal obstruction	1	1																	1		
28	Cirrhosis of the liver																					
29	Acute nephritis and Bright's disease	4	2	2														1		2	1	
30	Noncancerous tumors and other diseases of the female genital organs	1		1																		
31	Puerperal septicaemia (puerperal fever, peritonitis)	1		1												1						
32	Other puerperal accidents of pregnancy & labor	1		1											1							
33	Congenital debility and malformations	11	5	6		11									1							
34	Senility																					
35	Suicide	2	2																			
36	Violent deaths (suicide excepted)	14	8	6								2	2	3			2	1	1	3		
37	Other diseases	12	5	7								1		1	1	1	1	1	2	4		1
38	Unknown or ill-defined diseases																					
Total		95	49	46		13			1	1	15	4	3	8	5	8	11	15	18	7	1	

Estimated population, 12,032.

Total resident deaths, 95.

Rate per 1,000 population, 7.8.

TABULATION OF DEATHS IN PASSAIC CITY FOR 1930, ACCORDING TO THE ABRIDGED INTERNATIONAL LIST OF CAUSES OF DEATH

Abridged International List No.	CAUSE OF DEATH	AGE PERIODS																				
		Total	Male	Female	Color, if other than white	Under 1 year	1 year	2 years	3 years	4 years	Under 5 years	5 to 9	10 to 19	20 to 29	30 to 39	40 to 49	50 to 59	60 to 69	70 to 79	80 to 89	90 and over	Unknown
1	Typhoid fever																					
2	Typhus fever																					
3	Malaria																					
4	Smallpox																					
5	Measles																					
6	Scarlet fever	4	2	2			1				1	1	1	1								
7	Whooping cough	1	1			1					1											
8	Diphtheria and croup	11	6	5			1	1	1		3	6	1		1							
9	Influenza	5	3	2		1	1						1			1						
10	Asiatic cholera																					
11	Cholera nostras																					
12	Other epidemic diseases																					
13	Tuberculosis of the lungs	39	23	16	6				1		1		6	8	11	5	5	3				
14	Tuberculosis meningitis	2	1	1		1					1	1										
15	Other forms of tuberculosis	2	1	1										1		1						
16	Cancer and other malignant tumors	50	27	23	2						1	1	1		7	7	21	10	10	1	1	
17	Simple meningitis	2	2			1					1											
18	Cerebral hemorrhage and softening	42	26	16	2									1	5	7	10	14	5			
19	Organic diseases of the heart	82	41	41	3								1	4	2	6	20	20	17	10	2	
20	Bronchitis	5	3	2		1					1						2		2			
21	Pneumonia	21	8	13		2	2				4		2	1	2	2	5	2	1			
22	Other diseases of the respiratory system (tuberculosis excepted)	23	14	11	5	9	2		1		12	1		2			4	3	1	1	1	
23	Diseases of the stomach (cancer excepted)	2	2												1			1				
24	Diarrhoea and enteritis (under 2 years)	4	4			3	1				4											
25	Appendicitis and typhilitis	9	5	4		1					1		1		2	1	2	1				
26	Hernia, intestinal obstruction	8	3	5	1	2					2		2		1	1	1	1				
27	Cirrhosis of the liver	3	2	1												1	2					
28	Acute nephritis and Bright's disease	38	17	21	1									2	1	3	8	8	10	5	1	
29	Noncancerous tumors and other diseases of the female genital organs	3		3											1	1	1					
30	Puerperal septicaemia (puerperal fever, peritonitis)	1		1											1							
31	Other puerperal accidents of pregnancy & labor	2		2										1	1							
32	Congenital debility and malformations	25	14	11	2	25					25								1	2	1	
33	Senility	4	2	2																		
34	Suicide	11	10	1									1	2	6							
35	Violent deaths (suicide excepted)	55	42	13	1							2	5	9	4	7	9	11	2	4	1	
36	Other diseases	77	36	41	2	3		2			5	1	6	2	14	7	12	16	10	3	1	
37	Unknown or ill-defined diseases																					
	Total	542	295	247	25	50	8	3	2	1	64	14	27	32	40	55	95	95	71	32	8	

Estimated population, 62,959.

Total resident deaths, 542.

Rate per 1,000 population, 8.6.

TABULATION OF DEATHS IN PATERSON CITY FOR 1930, ACCORDING TO THE ABRIDGED INTERNATIONAL LIST OF CAUSES OF DEATH

Abridged International List No.	CAUSE OF DEATH	AGE PERIODS																							
		Total	Male	Female	Color, if other than white	Under 1 year	1 year	2 years	3 years	4 years	Under 5 years	5 to 9	10 to 19	20 to 29	30 to 39	40 to 49	50 to 59	60 to 69	70 to 79	80 to 89	90 and over	Unknown			
1	Typhoid fever																								
2	Typhus fever																								
3	Malaria																								
4	Smallpox																								
5	Measles	12	2								2														
6	Scarlet fever										1														
7	Whooping cough	1		1							1														
8	Diphtheria and croup	10	5	5							1														
9	Influenza	12	7	5	1	1					1				1	1	1	3	1	2					
10	Asiatic cholera																								
11	Cholera nostras																								
12	Other epidemic diseases	3	2	1		1					1				1			1							
13	Tuberculosis of the lungs	79	55	24	7							1	3	16	20	17	8	10	4						
14	Tuberculosis meningitis	2		2							2														
15	Other forms of tuberculosis	9	5	4	1						2				2	1	1	2	1						
16	Cancer and other malignant tumors	131	92	39	3										3	10	24	47	43	46	7	1			
17	Simple meningitis	6	4	2							2				2		1	1							
18	Cerebral hemorrhage and softening	131	69	62	2										3	9	23	40	40	16	3				
19	Organic diseases of the heart	275	130	145	12					2	2	1	7	10	14	28	51	49	68	40	5				
20	Bronchitis	12	8	4	1	4					4						1	2	4		1				
21	Pneumonia	64	36	28	4	7	3	2	1	1	14	1	1	1	9	5	9	9	10	3	2				
22	Other diseases of the respiratory system (tuberculosis excepted)	42	24	18	2	11	5	2	1		19			3	1	2	4	5	3	4	1				
23	Diseases of the stomach (cancer excepted)	9	4	5												2	1	3	1	2					
24	Diarrhoea and enteritis (under 2 years)	12	8	4	1	10	2				12														
25	Appendicitis and typhlitis	13	11	2				1			1	2	1	3	3	2	3		1						
26	Hernia, intestinal obstruction	14	9	5		1										2	2	6	2	1					
27	Cirrhosis of the liver	7	4	3												1	2	3							
28	Acute nephritis and Bright's disease	138	74	64	7	1					1				2	6	15	21	39	44	10				
29	Noncancerous tumors and other diseases of the female genital organs	7		7	4										2	1	2	1							
30	Puerperal septicæmia (puerperal fever, peritonitis)	1		1																					
31	Other puerperal accidents of pregnancy & labor	14		14											5	8	1								
32	Congenital debility and malformations	62	43	19	2	61			1		62														
33	Senility	5	1	4																					
34	Suicide	26	22	4											4	2	5	8	4	3					
35	Violent deaths (suicide excepted)	31	65	26	10	3		2	2	1	8	5	7	6	12	11	16	6	12	7	1				
36	Other diseases	227	126	101	8	15	2	2	1	3	23	6	8	9	15	19	27	63	37	17	3				
37	Unknown or ill-defined diseases																								
	Total	1463	808	655	65	115	17	12	11	11	166	19	31	69	110	146	230	285	278	110	19				

Estimated population, 138,577.

Total resident deaths, 1,463.

Rate per 1,000 population, 10.5.

TABULATION OF DEATHS IN SALEM COUNTY FOR 1930, ACCORDING TO THE ABRIDGED INTERNATIONAL LIST OF CAUSES OF DEATH

Abridged international List No.	CAUSE OF DEATH	AGE PERIODS																			
		Total	Male	Female	Color, if other than white																
						Under 1 year	1 year	2 years	3 years	4 years	Under 5 years	5 to 9	10 to 19	20 to 29	30 to 39	40 to 49	50 to 59	60 to 69	70 to 79	80 to 89	90 and over	Unknown
1	Typhoid fever	1	1		1									1							
2	Typhus fever																				
3	Malaria																				
4	Smallpox																				
5	Measles																				
6	Scarlet fever																				
7	Whooping cough	2		2		1	1														
8	Diphtheria and croup	1		1			1														
9	Influenza	10	6	4	2	3					3					1	1	3	1	1	
10	Asiatic cholera																				
11	Cholera nostras																				
12	Other epidemic diseases	1	1					1			1										
13	Tuberculosis of the lungs	21	15	6	7									2	4	1	8		1	5	
14	Tuberculosis meningitis	1	1													1					
15	Other forms of tuberculosis	1		1	1	1					1										
16	Cancer and other malignant tumors	39	15	24												1	2	10	9	13	4
17	Simple meningitis																				
18	Cerebral hemorrhage and softening	43	16	27	5												7	7	10	17	2
19	Organic diseases of the heart	89	53	36	12			1			1			4	6	9	8	17	28	10	6
21	Bronchitis	4	3	1														2	1	1	
22	Pneumonia	15	4	11		3					3	1	2				2	2	3	2	
23	Other diseases of the respiratory system (tuberculosis excepted)	17	9	8	4	4	6				10	1	2			1				3	
24	Diseases of the stomach (cancer excepted)	6	6																		
25	Diarrhoea and enteritis (under 2 years)	7	3	4	1	7					7				1	1	1	3			
26	Appendicitis and typhlitis																				
27	Hernia, intestinal obstruction	2	1	1										1							
28	Cirrhosis of the liver	1	1														1				
29	Acute nephritis and Bright's disease	70	35	35	8											2	5	12	21	17	12
30	Noncancerous tumors and other diseases of the female genital organs	4		4	1															1	
31	Puerperal septicaemia (puerperal fever, puerperal tonsillitis)																1	2			
32	Other puerperal accidents of pregnancy & labor	4		4	2																
33	Congenital debility and malformations	24	12	12	8	23	1				24					2	2				
34	Senility	2	1	1																1	1
36	Suicide	7	6	1													2	3	1		
35	Violent deaths (suicide excepted)	49	36	13	8	2	1	1			4		11	11	6	7	2	3	2	2	1
37	Other diseases	61	35	26	11	2	1	1			4	1	3	4	1	6	6	16	12	8	
38	Unknown or ill-defined diseases																				
Total		482	260	222	71	46	11	4			61	3	21	27	22	45	55	82	94	62	10

Estimated population, 36,840.

Total resident deaths, 482.

Rate per 1,000 population, 13.0.

TABULATION OF DEATHS IN SOMERSET COUNTY FOR 1930, ACCORDING TO THE ABRIDGED INTERNATIONAL LIST OF CAUSES OF DEATH

Abridged International List No.	CAUSE OF DEATH	Total	Male	Female	Color, if other than white	AGE PERIODS																	Unknown
						Under 1 year	1 year	2 years	3 years	4 years	Under 5 years	5 to 9	10 to 19	20 to 29	30 to 39	40 to 49	50 to 59	60 to 69	70 to 79	80 to 89	90 and over		
1	Typhoid fever	3	2	1				1					1		1								
2	Typhus fever																						
3	Malaria																						
4	Smallpox																						
5	Measles																						
6	Scarlet fever	1	1																				
7	Whooping cough	1		1		1					1												
8	Diphtheria and croup	6	3	3					1		1	3	1		1								
9	Influenza	3	2	1												1				1			
10	Asiatic cholera																						
11	Cholera nostras																						
12	Other epidemic diseases	5	4	1		2					2					1		1		1			
13	Tuberculosis of the lungs	30	15	15	3	1					1		2	7	7	4	1	1					
14	Tuberculosis meningitis	2	1	1	1							1			1								
15	Other forms of tuberculosis	3	3			1		1			1						1						
16	Cancer and other malignant tumors	69	29	40	3									3	3	7	12	21	17	6			
17	Simple meningitis	1	1															1					
18	Cerebral hemorrhage and softening	59	25	34												5	9	14	19	11	1		
19	Organic diseases of the heart	127	62	65	8							1	7	1	5	9	18	25	34	24	4		
20	Bronchitis	3	2	3		2					2								1	2			
21	Pneumonia	32	22	10		3	1		2	1	7	2	1	2	2	4	3	5	4	2			
22	Other diseases of the respiratory system (tuberculosis excepted)	21	13	8		7	1	1			9	1		1	1	2	2	2	2	1			
23	Diseases of the stomach (cancer excepted)	8	5	3	1	2					2			1			3	2					
24	Diarrhoea and enteritis (under 2 years)	9	4	5		6	3				9												
25	Appendicitis and typhilitis	6	5	1					1		1				1	3	1						
26	Hernia, Intestinal obstruction	7	1	6										1	1		2	2		1			
27	Cirrhosis of the liver	3	2	1													3						
28	Acute nephritis and Bright's disease	56	31	25	4							1	3	1	3	4	7	14	15	7	1		
29	Noncancerous tumors and other diseases of the female genital organs	1		1																			
30	Puerperal septicaemia (puerperal fever, peritonitis)	2		2												2							
31	Other puerperal accidents of pregnancy & labor	3		3										1	1	1							
32	Congenital debility and malformations	25	17	8	1	25					25												
33	Senility																						
34	Suicide	9	7	2												3	1	3	1				
35	Violent deaths (suicide excepted)	62	48	14	7		2		1		3	5	9	7	6	9	6	9	6	2			
36	Other diseases	93	46	47	7	7	1				8	4	2	3	5	12	10	12	20	11	6		
37	Unknown or ill-defined diseases																						
38	Total	652	348	304	35	57	8	3	5	1	74	19	28	30	42	65	81	112	121	68	12		

Estimated population, 66,550.

Total resident deaths, 652.

Rate per 1,000 population, 9.9.

TABULATION OF DEATHS IN SUSSEX COUNTY FOR 1930, ACCORDING TO THE ABRIDGED INTERNATIONAL LIST OF CAUSES OF DEATH

Abridged International List No.	CAUSE OF DEATH	AGE PERIODS														
		Total	Male	Female	Color, if other than white											
						Under 1 year	1 year	2 years	3 years	4 years	Under 5 years	5 to 9	10 to 19	20 to 29	30 to 39	40 to 49
1	Typhoid fever															
2	Typhus fever															
3	Malaria															
4	Smallpox															
5	Measles	1		1												
6	Scarlet fever															
7	Whooping cough	1		1												
8	Diphtheria and croup			1						1	1					
9	Influenza	2		2											1	
10	Asiatic cholera															
11	Cholera nostras	2	1	1												
12	Other epidemic diseases															
13	Tuberculosis of the lungs	13	9	4		1	1				2			3	3	1
14	Tuberculosis meningitis	1		1								1				
15	Other forms of tuberculosis	1		1											1	
16	Cancer and other malignant tumors	24	9	15											2	4
17	Simple meningitis														5	4
18	Cerebral hemorrhage and softening	23	6	17											1	4
19	Organic diseases of the heart	95	50	45										1	2	5
20	Bronchitis	3	3													
21	Pneumonia	12	7	5		1		1		1	3	1		2		
22	Other diseases of the respiratory system (tuberculosis excepted)	14	8	6	1	3	1				4				4	1
23	Diseases of the stomach (cancer excepted)	4	1	3	1	1					1			1		
24	Diarrhoea and enteritis (under 2 years)	2	1	1		2					2					
25	Appendicitis and typhlitis	5	3	2											1	1
26	Hernia, intestinal obstruction	3	1	2											1	1
27	Cirrhosis of the liver	2	1	1												
28	Acute nephritis and Bright's disease	24	11	13											1	4
29	Noncancerous tumors and other diseases of the female genital organs	1		1												
30	Puerperal septicaemia (puerperal fever, peritonitis)	1		1											1	
31	Other puerperal accidents of pregnancy & labor	1		1											1	
32	Congenital debility and malformations	15	7	8		15					15					
33	Senility															
34	Suicide	6	4	2											2	1
35	Violent deaths (suicide excepted)	25	17	8				1	1		2		3	4	4	2
36	Other diseases	41	25	16	2	2		1		1	4	2	2	1	4	3
37	Unknown or ill-defined diseases															
38																
	Total	322	164	158	4	25	2	3	1	3	34	5	6	13	24	22

Estimated population, 27,901.

Total resident deaths, 322.

Rate per 1,000 population, 11.5.

TABULATION OF DEATHS IN UNION COUNTY FOR 1930, ACCORDING TO THE ABRIDGED INTERNATIONAL LIST OF CAUSES OF DEATH

Abridged International List No.	CAUSE OF DEATH	AGE PERIODS																			
		Total	Male	Female	Color, if other than white	AGE PERIODS															
						Under 1 year	1 year	2 years	3 years	4 years	Under 5 years	5 to 9	10 to 19	20 to 29	30 to 39	40 to 49	50 to 59	60 to 69	70 to 79	80 to 89	90 and over	Unknown
1	Typhoid fever	3	1	2									1		1	1					
2	Typhus fever																				
3	Malaria																				
4	Smallpox																				
5	Measles	2	6	2			4	1	1	1	7	1									
6	Scarlet fever	3	4	1					2	1	3	2									
7	Whooping cough	2	1	1	1	1	1	1			2										
8	Diphtheria and croup	25	11	14	1	1	1	2	2	4	9	13	3								
9	Influenza	31	15	16	2	7	1				8	2		2	4	3	3	2	6		1
10	Asiatic cholera																				
11	Cholera nostras																				
12	Other epidemic diseases	29	14	15		2	3	1			6	2	1	4		6	3	3	1	2	
13	Tuberculosis of the lungs	159	84	75	28		1	1		2	4	2	14	40	43	29	11	7	11		
14	Tuberculosis meningitis	15	10	5	5	3	3	1		1	8	2	2	1	1	1					
15	Other forms of tuberculosis	7	2	5					1	1	1	1	1	1	1	3					
16	Cancer and other malignant tumors	296	120	176	10					1	1	1	2	5	16	40	78	82	52	19	1
17	Simple meningitis	15	9	6	1	4				1	5	1	3	1	1	1	3	1			
18	Cerebral hemorrhage and softening	207	105	102	13										5	20	36	57	58	30	1
19	Organic diseases of the heart	599	317	282	31	1	1				2	3	11	7	29	61	102	153	146	75	10
20	Bronchitis	6	2	4		2		1			3								3		
21	Pneumonia	140	82	58	19	26	7	1	4	1	39	2	8	6	6	22	13	18	14	10	2
22	Other diseases of the respiratory system (tuberculosis excepted)	118	66	52	16	36	15	5	2		58	3	2	2	3	5	14	12	11	5	3
23	Diseases of the stomach (cancer excepted)	28	22	6	2										2	3	11	5	6	1	
24	Diarrhoea and enteritis (under 2 years)	20	14	6	4	15	5				20										
25	Appendicitis and typhilitis	44	25	19	2					1	1	4	6	11	6	8	4	1	3		
26	Hernia, intestinal obstruction	35	20	14	2									3	1	7	6	3	3	10	1
27	Cirrhosis of the liver	26	17	9									1	1	2	5	8	4	3	2	
28	Acute nephritis and Bright's disease	222	115	107	22	1					1	1	2	6	15	25	46	46	51	27	2
29	Noncancerous tumors and other diseases of the female genital organs	16		16	5									1		7	3	2	2	1	
30	Puerperal septicemia (puerperal fever, peritonitis)	6		6	2										3	3					
31	Other puerperal accidents of pregnancy & labor	12		12									1	3	6	2					
32	Congenital debility and malformations	126	79	47	16	120	2	1		2	125	1									
33	Senility	2	1	1																1	1
34	Suicide	46	36	10									3	3	9	10	10	10	1		
35	Violent deaths (suicide excepted)	236	175	61	15	2	2	3	1	9	14	25	24	44	34	24	26	20	12	4	
36	Other diseases	413	199	214	32	23	3	6	3	6	41	14	26	25	31	56	70	62	61	25	2
37	Unknown or ill-defined diseases	14	4	10	4	9					9		1		3	1					
	Total	2910	1536	1354	233	251	49	22	19	21	362	66	114	149	241	350	441	495	444	221	27

Estimated population, 307,771.

Total resident deaths, 2,910.

Rate per 1,000 population, 9.4.

TABULATION OF DEATHS IN ELIZABETH CITY FOR 1930, ACCORDING TO THE ABRIDGED INTERNATIONAL LIST OF CAUSES OF DEATH

Abridged International List No.	CAUSE OF DEATH	AGE PERIODS																					
		Total	Male	Female	Color, if other than white																	90 and over	Unknown
						Under 1 year	1 year	2 years	3 years	4 years	Under 5 years	5 to 9	10 to 19	20 to 29	30 to 39	40 to 49	50 to 59	60 to 69	70 to 79	80 to 89			
1	Typhoid fever	1	1											1									
2	Typhus fever																						
3	Malaria																						
4	Smallpox																						
5	Measles	5	4	1			2	1	1		4	1											
6	Scarlet fever	1	1								1												
7	Whooping cough	2	1	1	1	1	1				2	2											
8	Diphtheria and croup	16	7	9	1		1	2		2	5	5	3										
9	Influenza	21	13	8		3					3	2		1	3	2	3	1	5		1		
10	Asiatic cholera																						
11	Cholera nostras																						
12	Other epidemic diseases	13	8	5		1	2				3	2		1			2	2			1		
13	Tuberculosis of the lungs	79	44	35	12		1				1		6	25	20	11	6	2	8				
14	Tuberculosis meningitis	3	1	2		1	1				2	1											
15	Other forms of tuberculosis	3	1	2							1					1							
16	Cancer and other malignant tumors	107	44	63	1						1		1	2	4	14	38	27	16	5			
17	Simple meningitis	7	5	2					1		1		3		1		1	1					
18	Cerebral hemorrhage and softening	75	34	41	4										4	12	14	15	22	8			
19	Organic diseases of the heart	231	132	99	8	1					1		7	3	13	24	47	61	50	20	5		
20	Bronchitis	2	1	1																			
21	Pneumonia	65	42	22	6	13	4		3		20	2	4	4	2	10	6	6	4	6			
22	Other diseases of the respiratory system (tuberculosis excepted)	54	27	27	7	13	6	3			22		1		1	5	11	7	4	2	1		
23	Diseases of the stomach (cancer excepted)	12	10	2											3	6	2	1					
24	Diarrhoea and enteritis (under 2 years)	7	6	1		5	2				7												
25	Appendicitis and typhilitis	19	11	8	1								6	5	2	3	2						
26	Hernia, intestinal obstruction	13	7	6	1										3	2	2			3			
27	Cirrhosis of the liver	14	10	4									1		2	3	5	1	2				
28	Acute nephritis and Bright's disease	77	43	34	5							1	2	4	8	11	13	15	16	7			
29	Noncancerous tumors and other diseases of the female genital organs	11		11	3										5	2	2		1				
30	Puerperal septicæmia (puerperal fever, peritonitis)	3		3											3								
31	Other puerperal accidents of pregnancy & labor	3		3										2		1							
32	Congenital debility and malformations	46	30	16	7	45	1				46												
33	Senility	1		1																			
34	Suicide	16	14	2											4	5	2	4	1				
35	Violent deaths (suicide excepted)	105	76	29	8	1	1	1			3	5	9	12	26	15	13	12	6	3	1		
36	Other diseases	177	86	91	13	16	3	2	1	3	25	5	11	13	17	27	25	24	22	7	1		
37	Unknown or ill-defined diseases	7	1	6	3	4					4		1		2								
	Total	1195	660	535	81	104	25	9	7	5	150	29	57	75	121	156	195	181	158	64	9		

Estimated population, 115,048.

Total resident deaths, 1,195.

Rate per 1,000 population, 10.3.

TABULATION OF DEATHS IN LINDEN CITY FOR 1930, ACCORDING TO THE ABRIDGED INTERNATIONAL LIST OF CAUSES OF DEATH

Abridged International List No.	CAUSE OF DEATH	Total	Male	Female	Color, if other than white	AGE PERIODS																
						Under 1 year	1 year	2 years	3 years	4 years	Under 5 years	5 to 9	10 to 19	20 to 29	30 to 39	40 to 49	50 to 59	60 to 69	70 to 79	80 to 89	90 and over	Unknown
1	Typhoid fever	1		1												1						
2	Typhus fever																					
3	Malaria																					
4	Smallpox																					
5	Measles	1		1			1				1											
6	Scarlet fever	1	1									1										
7	Whooping cough																					
8	Diphtheria and croup																					
9	Influenza	2		2	1	1	1				2											
10	Asiatic cholera																					
11	Cholera nostras																					
12	Other epidemic diseases	3	2	1		1		1		1	2			1								
13	Tuberculosis of the lungs	17	13	4	1					2	2			2	4	5	2	1	1			
14	Tuberculosis meningitis	4	3	1			2				1	1				1						
15	Other forms of tuberculosis	1		1						1	1											
16	Cancer and other malignant tumors	10	5	5									1			2	3	3	1			
17	Simple meningitis																					
18	Cerebral hemorrhage and softening	7	4	3												1	3	2	1			
19	Organic diseases of the heart	26	17	9	3								1	1	1	2	7	3	6	5	1	
20	Bronchitis	1		1		1					1											
21	Pneumonia	12	8	4	3	4			1		5			1	1	2	3					
22	Other diseases of the respiratory system (tuberculosis excepted)	11	8	3		4					4					1		1	3	2		
23	Diseases of the stomach (cancer excepted)	1	1												1							
24	Diarrhoea and enteritis (under 2 years)	3	1	2		2	1				3											
25	Appendicitis and typhilitis	3		3											2	1						
26	Hernia, intestinal obstruction	2	1	1													2					
27	Cirrhosis of the liver	1	1															1				
28	Acute nephritis and Bright's disease	12	6	6	1												2	1	4	4	1	
29	Noncancerous tumors and other diseases of the female genital organs																					
30	Puerperal septicæmia (puerperal fever, peritonitis)																					
31	Other puerperal accidents of pregnancy & labor																					
32	Congenital debility and malformations	12	6	6	1	12					12											
33	Senility																					
34	Suicide	3	1	2											1	1	1					
35	Violent deaths (suicide excepted)	23	18	5	1							3	2	3	3	4	1	2	3	1	1	
36	Other diseases	23	14	9		2					2	3	3	1		4	5	2	2	1		
37	Unknown or ill-defined diseases																					
38																						
	Total	180	110	70	11	27	5	1	2	2	37	8	8	13	17	33	20	21	18	4	1	

Estimated population, 21,519.

Total resident deaths, 180.

Rate per 1,000 population, 8.3.

TABULATION OF DEATHS IN PLAINFIELD CITY FOR 1930, ACCORDING TO THE ABRIDGED INTERNATIONAL LIST OF CAUSES OF DEATH

Abridged International List No.	CAUSE OF DEATH	AGE PERIODS																				
		Total	Male	Female	Color, if other than white	Under 1 year	1 year	2 years	3 years	4 years	Under 5 years	5 to 9	10 to 19	20 to 29	30 to 39	40 to 49	50 to 59	60 to 69	70 to 79	80 to 89	90 and over	Unknown
1	Typhoid fever																					
2	Typhus fever																					
3	Malaria																					
4	Smallpox																					
5	Measles	1	1				1				1											
6	Scarlet fever	2	1	1					1	1	2											
7	Whooping cough																					
8	Diphtheria and croup	3	2	1								3										
9	Influenza	1		1											1							
10	Asiatic cholera																					
11	Cholera nostras																					
12	Other epidemic diseases	3	1	2			1				1				1		1					
13	Tuberculosis of the lungs	12	5	7	3									2	3	3		3	1			
14	Tuberculosis meningitis	3	2	1	2					1	1			1	1							
15	Other forms of tuberculosis																					
16	Cancer and other malignant tumors	40	14	26	5					1	1				1	8	7	12	8	3		
17	Simple meningitis	2		2	1		1				1						1					
18	Cerebral hemorrhage and softening	37	14	23	3						1				1	4	7	9	8	7	1	
19	Organic diseases of the heart	90	38	52	6							1		1	5	8	11	25	29	10		
21	Bronchitis																					
22	Pneumonia	14	7	7	2	2	1			1	4			1	1	1		3	1	2	1	
23	Other diseases of the respiratory system (tuberculosis excepted)	13	8	5	4	5	2		1		8	1		1			1	1	1			
24	Diseases of the stomach (cancer excepted)	5	3	2	1											2	1	1	1			
25	Diarrhoea and enteritis (under 2 years)	2	2		2	1	1				2											
26	Appendicitis and typhlitis	1	1												1							
27	Hernia, intestinal obstruction	6	4	2											1		1	1	1	1	1	
28	Cirrhosis of the liver	2	2													1	1					
29	Acute nephritis and Bright's disease	42	20	22	8									1	4	7	10	6	10	4		
30	Noncancerous tumors and other diseases of the female genital organs	2		2	1											2						
31	Puerperal septicaemia (puerperal fever, peritonitis)	2		2	1										2							
32	Other puerperal accidents of pregnancy & labor	1		1												1						
33	Congenital debility and malformations	18	10	8	4	16		1			17	1										
34	Senility																					
36	Suicide	6	4	2											1		4	1				
35	Violent deaths (suicide excepted)	21	15	6	3				1	1	2	1	2	2	3	3	2	1	1	4		
37	Other diseases	46	23	23	4							3	2	1	4	7	6	8	9	6		
38	Unknown or ill-defined diseases																					
	Total	375	177	198	50	25	6	1	3	5	40	10	5	13	29	45	55	69	71	36	2	

Estimated population, 34,586.

Total resident deaths, 375.

Rate per 1,000 population, 10.8.

TABULATION OF DEATHS IN RAHWAY CITY FOR 1930, ACCORDING TO THE ABRIDGED INTERNATIONAL LIST OF CAUSES OF DEATH

Abridged International List No.	CAUSE OF DEATH	AGE PERIODS																				
		Total	Male	Female	Color, if other than white	Under 1 year	1 year	2 years	3 years	4 years	Under 5 years	5 to 9	10 to 19	20 to 29	30 to 39	40 to 49	50 to 59	60 to 69	70 to 79	80 to 89	90 and over	Unknown
1	Typhoid fever																					
2	Typhus fever																					
3	Malaria																					
4	Smallpox																					
5	Measles																					
6	Scarlet fever																					
7	Whooping cough																					
8	Diphtheria and croup																					
9	Influenza	1		1		1					1											
10	Asiatic cholera																					
11	Cholera nostras																					
12	Other epidemic diseases	4		4									1	1	1						1	
13	Tuberculosis of the lungs	10	6	4	2								1	1	6	1	1					
14	Tuberculosis meningitis	1		1									1									
15	Other forms of tuberculosis																					
16	Cancer and other malignant tumors	25	11	14											1	2	8	9	3	2		
17	Simple meningitis	2	1	1		2					2											
18	Cerebral hemorrhage and softening	15	9	6	2											1	2	3	4	5		
19	Organic diseases of the heart	27	11	16											1	2	3	5	10	5	1	
20	Bronchitis	2		2							1											
21	Pneumonia	7	4	3	2		1				1		1			2	2		1			
22	Other diseases of the respiratory system (tuberculosis excepted)	3	2	1		1					1									2		
23	Diseases of the stomach (cancer excepted)																					
24	Diarrhoea and enteritis (under 2 years)	1		1		1					1											
25	Appendicitis and typhilitis	1	1											1								
26	Hernia, intestinal obstruction	3	2	1												1				2		
27	Cirrhosis of the liver	2		2										1		1						
28	Acute nephritis and Bright's disease	12	7	5	1											1	2	1	4	3	1	
29	Noncancerous tumors and other diseases of the female genital organs																					
30	Puerperal septicæmia (puerperal fever, peritonitis)																					
31	Other puerperal accidents of pregnancy & labor	1		1											1							
32	Congenital debility and malformations	6	4	2		6					6											
33	Senility	1	1																	1		
34	Suicide	1	1															1				
35	Violent deaths (suicide excepted)	17	16	1	1								2	2	7	3	1		2			
36	Other diseases	40	16	24	3			1	1	1	3			3	2	6	7	6	11	2		
37	Unknown or ill-defined diseases	1		1		1					1											
	Total	183	92	91	11	12	1	2	1	1	17		6	9	19	20	26	25	35	24	2	

Estimated population, 16,132.

Total resident deaths, 183.

Rate per 1,000 population, 11.3.

TABULATION OF DEATHS IN ROSELLE BOROUGH FOR 1930, ACCORDING TO THE ABRIDGED INTERNATIONAL LIST OF CAUSES OF DEATH

Abridged International List No.	CAUSE OF DEATH	Total	Male	Female	Color, if other than white	AGE PERIODS																
						Under 1 year	1 year	2 years	3 years	4 years	Under 5 years	5 to 9	10 to 19	20 to 29	30 to 39	40 to 49	50 to 59	60 to 69	70 to 79	80 to 89	90 and over	Unknown
1	Typhoid fever	1		1												1						
2	Typhus fever																					
3	Malaria																					
4	Smallpox																					
5	Measles																					
6	Scarlet fever																					
7	Whooping cough																					
8	Diphtheria and croup																					
9	Influenza	12	1	1	1	2					2											
10	Asiatic cholera																					
11	Cholera nostras																					
12	Other epidemic diseases	1		1												1						
13	Tuberculosis of the lungs	4	4		2								1	1		2						
14	Tuberculosis meningitis	2	2		2	1		1			2											
15	Other forms of tuberculosis																					
16	Cancer and other malignant tumors	11	6	5	2									1		2	3	2	3			
17	Simple meningitis																					
18	Cerebral hemorrhage and softening	9	6	3													1	4	3	1		
19	Organic diseases of the heart	21	13	8	1								2			2	6	5	4	2		
20	Bronchitis																					
21	Pneumonia	5	3	2	3	1	1	1			3											
22	Other diseases of the respiratory system (tuberculosis excepted)	8	4	4	1	1	1	1			3	1	1	1		1				1		
23	Diseases of the stomach (cancer excepted)	3	2	1												1	1	1				
24	Diarrhoea and enteritis (under 2 years)																					
25	Appendicitis and typhlitis	2	1	1												1						
26	Hernia, intestinal obstruction	1	1																1			
27	Cirrhosis of the liver	1		1																1		
28	Acute nephritis and Bright's disease	5		5															1			
29	Noncancerous tumors and other diseases of the female genital organs	1		1																		
30	Puerperal septicæmia (puerperal fever, peritonitis)	1		1	1																	
31	Other puerperal accidents of pregnancy & labor	1		1																		
32	Congenital debility and malformations	3	2	1	1	3					3											
33	Senility																					
34	Suicide	1	1																			
35	Violent deaths (suicide excepted)	7	2	5	1				1		1	1	2				1	1	1			
36	Other diseases	15	8	7	2											1	3	3	4	2		
37	Unknown or ill-defined diseases																					
38	Total	105	56	49	17	8	2	3	1		14		7	6	2	15	15	22	15	5	1	

Estimated population, 13,199.

Total resident deaths, 105.

Rate per 1,000 population, 7.9.

TABULATION OF DEATHS IN SUMMIT CITY FOR 1930, ACCORDING TO THE ABRIDGED INTERNATIONAL LIST OF CAUSES OF DEATH

Abridged international List No.	CAUSE OF DEATH	Total	Male	Female	Color, if other than white	AGE PERIODS																	
						Under 1 year	1 year	2 years	3 years	4 years	Under 5 years	5 to 9	10 to 19	20 to 29	30 to 39	40 to 49	50 to 59	60 to 69	70 to 79	80 to 89	90 and over	Unknown	
1	Typhoid fever																						
2	Typhus fever																						
3	Malaria																						
4	Smallpox																						
5	Measles																						
6	Scarlet fever																						
7	Whooping cough																						
8	Diphtheria and croup																						
9	Influenza	1		1												1							
10	Asiatic cholera																						
11	Cholera nostras																						
12	Other epidemic diseases	1	1													1							
13	Tuberculosis of the lungs	7	2	5	3			1			1			2	2	1			1				
14	Tuberculosis meningitis																						
15	Other forms of tuberculosis	1	1														1						
16	Cancer and other malignant tumors	16	9	7	1											2	2	6	4				
17	Simple meningitis	1		1		1					1						2						
18	Cerebral hemorrhage and softening	8	2	6																			
19	Organic diseases of the heart	32	19	13	3							1				4	5	10	6	6			
21	Bronchitis																						
22	Pneumonia	7	4	3	1	1					1					1	2		2			1	
23	Other diseases of the respiratory system (tuberculosis excepted)	5	2	3	1	2	2				4										1		
24	Diseases of the stomach (cancer excepted)																						
25	Diarrhoea and enteritis (under 2 years)																						
26	Appendicitis and typhilitis	3	3											2		1							
27	Hernia, intestinal obstruction	3	2	1													1				2		
28	Cirrhosis of the liver	2	1	1																			
29	Acute nephritis and Bright's disease	9	3	6				1			1							1	1		3		
30	Noncancerous tumors and other diseases of the female genital organs	1		1	1												1						
31	Puerperal septicaemia (puerperal fever, peritonitis)																						
32	Other puerperal accidents of pregnancy & labor	2		2												2							
33	Congenital debility and malformations	6	5	1		6					6												
34	Senility																						
36	Suicide	1	1														1						
35	Violent deaths (suicide excepted)	7	4	3													1	2	1	2	1		
37	Other diseases	17	6	11	4	2					2			2	1	1	5	3	3				
38	Unknown or ill-defined diseases																						
	Total	130	65	65	14	13	2	1			16	3		5	8	16	16	29	20	15	2		

Estimated population, 14,063.

Total resident deaths, 130.

Rate per 1,000 population, 8.8.

TABULATION OF DEATHS IN WESTFIELD TOWN FOR 1930, ACCORDING TO THE ABRIDGED INTERNATIONAL LIST OF CAUSES OF DEATH

Abridged International List No.	CAUSE OF DEATH	Total	Male	Female	Color, if other than white	AGE PERIODS																
						Under 1 year	1 year	2 years	3 years	4 years	Under 5 years	5 to 9	10 to 19	20 to 29	30 to 39	40 to 49	50 to 59	60 to 69	70 to 79	80 to 89	90 and over	Unknown
1	Typhoid fever																					
2	Typhus fever																					
3	Malaria																					
4	Smallpox																					
5	Measles																					
6	Scarlet fever																					
7	Whooping cough																					
8	Diphtheria and croup	2		2					1	1	2											
9	Influenza																					
10	Asiatic cholera																					
11	Cholera nostras																					
12	Other epidemic diseases	1	1													1						
13	Tuberculosis of the lungs	1	1													1						
14	Tuberculosis meningitis																					
15	Other forms of tuberculosis																					
16	Cancer and other malignant tumors	22	7	15	1											2	2	4	9	5		
17	Simple meningitis																					
18	Cerebral hemorrhage and softening	14	8	6													2	4	3	5		
19	Organic diseases of the heart	33	14	19	2											5	4	6	7	9	2	
21	Bronchitis																					
22	Pneumonia	7	3	4															4	1	1	1
23	Other diseases of the respiratory system (tuberculosis excepted)	2	1	1		1					1											1
24	Diseases of the stomach (cancer excepted)																					
25	Diarrhoea and enteritis (under 2 years)	2	1	1	1	2					2											
26	Appendicitis and typhlitis	5	3	2	1							1						1				
27	Hernia, intestinal obstruction	1		1																		
28	Cirrhosis of the liver	2	1	1													1			1		
29	Acute nephritis and Bright's disease	11	7	4													2	5	2	2		
30	Noncancerous tumors and other diseases of the female genital organs																					
31	Puerperal septicaemia (puerperal fever, peritonitis)																					
32	Other puerperal accidents of pregnancy & labor																					
33	Congenital debility and malformations	8	4	4	1	6	1			1	8											
34	Senility																					
36	Suicide	4	4											1			2	1				
35	Violent deaths (suicide excepted)	8	5	3												1	1	2	1	2		1
37	Other diseases	18	8	10				2		1	3		1			1	1	4	3	4	1	1
38	Unknown or ill-defined diseases																					
	Total	141	68	73	6	9	1	2	1	3	16	1	2		3	14	18	28	29	24	6	

Estimated population, 15,965.

Total resident deaths, 141.

Rate per 1,000 population, 8.8.

Ab:ldged Interna
tional List No.[illegible]

Rate per 1,000 population, 13.1.

TABULATION OF DEATHS IN PHILLIPSBURG TOWN FOR 1930, ACCORDING TO THE ABRIDGED INTERNATIONAL LIST OF CAUSES OF DEATH

Abridged International List No.	CAUSE OF DEATH	Total	Male	Female	Color, if other than white	AGE PERIODS																	
						Under 1 year	1 year	2 years	3 years	4 years	Under 5 years	5 to 9	10 to 19	20 to 29	30 to 39	40 to 49	50 to 59	60 to 69	70 to 79	80 to 89	90 and over	Unknown	
1	Typhoid fever																						
2	Typhus fever																						
3	Malaria																						
4	Smallpox																						
5	Measles																						
6	Scarlet fever																						
7	Whooping cough																						
8	Diphtheria and croup																						
9	Influenza																						
10	Asiatic cholera																						
11	Cholera nostras																						
12	Other epidemic diseases	1		1		1				1													
13	Tuberculosis of the lungs	9	6	3				1		1			1	2	1	3	1						
14	Tuberculosis meningitis	1	1									1											
15	Other forms of tuberculosis	1	1											1									
16	Cancer and other malignant tumors	20	11	9										3		5	3	2	1				
17	Simple meningitis	1		1		1				1													
18	Cerebral hemorrhage and softening	16	5	11											1	4	4	5	2				
19	Organic diseases of the heart	47	33	14					1	1			1	1	8	10	13	6	6	1			
21	Bronchitis	1	1										1										
22	Pneumonia	7	3	4							1			1	1	1	2			1			
23	Other diseases of the respiratory system (tuberculosis excepted)	6	3	3		2		1			3				1		1						
24	Diseases of the stomach (cancer excepted)	6	5	1		1					1			1	1		2	1					
25	Diarrhoea and enteritis (under 2 years)	3	2	1		3					3												
26	Appendicitis and typhlitis	2	1	1										1									
27	Hernia, intestinal obstruction	4	2	2		1					1		1					1	1				
28	Cirrhosis of the liver	1	1														1						
29	Acute nephritis and Bright's disease	39	20	19											1	9	6	7	12	4			
30	Noncancerous tumors and other diseases of the female genital organs	5		5											1	3	1						
31	Puerperal septicaemia (puerperal fever, peritonitis)																						
32	Other puerperal accidents of pregnancy & labor	3		3										1	2								
33	Congenital debility and malformations	12	7	5		12					12												
34	Senility																						
36	Suicide	3	2	1												1	2						
35	Violent deaths (suicide excepted)	11	7	4						1	1	1	1	1	3	1		1	2				
37	Other diseases	28	15	13		1		2			3			1	3	3	2	9	4	3			
38	Unknown or ill-defined diseases																						
	Total	227	126	101		22	1	3	2	28	2	4	8	20	28	40	41	38	17	1			

Estimated population, 19,312

Total resident deaths, 227.

Rate per 1,000 population, 11.7.

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