

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

1935



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Department of Health of the State of New Jersey

S. A. COSGROVE, M.D., President.....Jersey City
MRS. HELEN M. BERRY, Vice-President.....Millburn
JOHN V. BISHOPColumbus
IRVIN E. DEIBERT, M.D.....Camden
JOSEPH N. FOWLER.....Bivalve
J. E. H. GUTHRIE, D.D.S.....Newark
MISS MARGARET L. MacNAUGHTON.....Jersey City
STANLEY H. NICHOLS, M.D.....Asbury Park
CLYDE POTTS, C.E.....Morristown
DR. JAMES E. RUSSELLLawrenceville
E. W. SMILLIE, D.V.M.Plainsboro

J. LYNN MAHAFFEY, M.D., *Director*

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

STATE OF NEW JERSEY,

DEPARTMENT OF HEALTH,

TRENTON, N. J., August 16, 1935.

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, 1935

S. A. COSGROVE, M.D.,

President,

State Department of Health.

STATE OF NEW JERSEY,

DEPARTMENT OF HEALTH,

TRENTON, N. J., August 16, 1935.

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, 1935. 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 the Director of Health

J. LYNN MAHAFFEY, M.D.

This report shows what can be done with ten cents per capita when expended to give public health service throughout the State. No claim is made that the service rendered was adequate to the needs of the times, but, considering the funds available and the limitations placed upon the use of some of them, the Department feels that it can give a good account of its stewardship.

The functions of the State Department of Health include the enforcement, in whole or in part, of some 175 health laws, the control of thirty-five communicable diseases, the supervision of 311 public water supplies, and 182 sewage disposal plants. Inspections must be made of places where milk, other foods and non-alcoholic beverages are produced, stored, processed and manufactured, numbering many thousands.

Inspections are also required of several thousand barber shops. Another duty of the Department is helping 564 local boards of health solve some of their difficult problems.

In health education, the Department conducts a broad program dealing with child and maternal health and welfare, with preventing and controlling venereal diseases, with developing a constructive attitude toward healthy living on the part of the public generally and with increasing the technical knowledge of public health employees in New Jersey.

To carry out these functions in the year which ended June 30, 1935, the Department used the services of 195 employees and expended \$464,193. Of this amount, \$349,974.21 was spent for salaries. The average yearly salary of thirty-five technically educated and trained employees, including sanitary engineers, epidemiologists, veterinarians, chemists, district health officers and bacteriologists, was \$2,648. The average salary for the Department as a whole, from Director to office boy, was \$1,794.74.

THINGS PREVENTED ARE HARD TO TABULATE

The best results of public health activity are the events that never occur—epidemics averted, sporadic cases of disease prevented, causes of ill health removed and thus having no effect. These achievements cannot be tabulated, but their results can be shown to some extent. For example, had the death rates of 1910 prevailed last year, the following numbers of persons who are alive today would have died in 1934: of diphtheria, 1,158; of tuberculosis, 4,234, and of typhoid fever, 604. Meanwhile, the infant mortality rate has been reduced in New Jersey from 155 to 48 per thousand live births in twenty-five years. These achievements can be viewed with profound satisfaction.

Work done by the Department's staff during the last fiscal year and which can easily be tabulated included:

Routine inspections	22,800
Specimens and samples examined in the laboratories	108,402
Samples collected by employees	13,666
Case reports of disease received, checked, tabulated and filed..	65,296
Certificates of births, marriages and deaths received, tabulated and permanently filed	127,379
Special investigations, often requiring many man-hours.....	768
Conferences with local health officials, physicians, other offi- cials and citizens, many of them by request	4,978
Plans for sanitary engineering projects examined and approved	384
Persons examined for license as health officer, sanitary inspec- tor, plumbing inspector or water or sewage plant operator..	180

Work of the child hygiene nurses is not included in the summary shown above since most of these nurses are paid from local funds, although their work is supervised by the State Department of Health.

These and numerous other matters are listed and discussed in the reports of the ten Bureau chiefs which follow this record.

NOTEWORTHY FACTS

Some events of the year should receive special mention. The two principal epidemics of the year were: One caused by eating cream puffs and one of cowpox. At least 100 persons were made

ill by the infected puffs. Great care had been used in manufacturing these articles of food, including chilling the filler as soon as it was made, but the long period intervening between the filling of the shells at a great modern bakery and the consuming of the puffs permitted bacteria to multiply and possibly toxic products to be formed. The baking company abandoned the manufacture of this product.

Mild cowpox is not unusual in dairy districts, but the recent outbreak was severe, affecting 48 milkers and 334 cows, and making both man and beast acutely ill. In general, vaccinated milkers escaped and unvaccinated ones were affected.

No smallpox has occurred in New Jersey for three years.

Only one small outbreak was caused by milk during the year, this comprising eighteen cases of septic sore throat.

New Jersey stands first among the States in the percentage of population served by sewers and second in the percentage served by sewage treatment plants, according to a tabulation appearing recently in a national engineering publication. In a densely populated region like New Jersey, drained by many rivers and bordered on nine-tenths of its circumference by water, providing as it does for the recreation of millions of persons, great care is needed to avoid dangerous pollution of streams and ocean beaches. Aggressive steps taken by the Department has reduced sewage contamination of the northern beaches to only five per cent of its former degree. Tests made in 1934 and 1935 indicated only 2.56 *B. coli* per cubic centimeter as the average of several hundred flood and ebb tide samples at sixty bathing beaches. In 1928 the average was approximately 53 per cubic centimeter.

Experiments made during the year to improve the operation of sewage treatment plants yielded important and useful data.

MILK SANITATION

Administration of the milk sanitation act in such a manner as to avoid duplicate inspections as far as possible and to use the services of local health departments prepared to do inspection work, brought about a much smoother control organization than heretofore. This Department made, during the fiscal year, 6,134

inspections of dairies and milk plants in New Jersey and 4,364 in other States from which milk and cream were shipped into New Jersey. Local health departments made 5,160 such inspections in other States in the same period. A great improvement in sanitation at dairy farms has been noted since the milk law was enacted in 1932.

Added funds have allowed the Department to improve its inspection service of ice cream manufacture, particularly at numerous small plants and at booths in resort towns. For the same reason, more attention has been given to shellfish sanitation.

ENLARGED LABORATORIES GIVE MORE SERVICE

Forty-seven thousand Wassermann tests for evidence of syphilitic infection comprised the largest single item in the work of the Department's laboratories for the year. Physicians and health departments increase their use of the bacteriological laboratory annually, and with more room and added personnel the chemical laboratory was able to increase its service twenty per cent over the previous record year. Both laboratories carried on a small amount of research. Tests of 132 public water supplies for the presence of fluorine showed that in only three did the amount exceed one part per million and in these only slightly more than one part was found. Fluorides much in excess of this quantity cause mottled teeth in children and may lead to endemic defective teeth. New Jersey waters are apparently free from undesirable quantities of these salts.

Since the child hygiene program is supported in most municipalities by local funds, it seemed likely that a number of nurses might be dropped because of difficulties in collecting taxes. Fortunately, in most cases when the work of the nurses was explained to the governing body or board of education by someone from the Department and its value shown, retrenchment was made elsewhere. During the winter and spring, the fifteen child hygiene supervisors and seventy-five nurses about the State enlarged their knowledge of child welfare by taking courses at Dana College in Parent-Child Relationship.

A SIGN OF GOOD SENSE

The time seems to have arrived at last when the problems of venereal diseases can be discussed in much the same manner as other communicable diseases and the word "syphilis" may be printed in a newspaper. It is indeed a sign of the triumph of good sense when facts which may be distasteful but are nevertheless extremely serious, are faced frankly.

Both in news columns and editorially, the press continues to give public health and the work of health departments the important places they have earned in public affairs. As the years pass, the news deals less with the scourge of epidemics and more with the triumphs of preventive medicine.

FREE BIOLOGICALS

Physicians to the number of 1,290 obtained free diphtheria toxoid or smallpox vaccine or both from the fifty-eight distributing stations set up about the State and 973 reported on the use of this material. These reports indicated that 18,676 children were given the toxoid and 9,811 persons vaccinated during the fiscal year. As a result of experience a few changes may well be considered to insure more general immunization with these biologicals.

PROBLEMS

Satisfactory as the year's work has been in many respects, important problems demand solution. The death rate from tuberculosis is four times as great among colored residents of New Jersey as among whites. Various reasons for this are apparent, but the presence of active cases of tuberculosis in any group of the population is a menace to all. This problem should be attacked in a practical way throughout the State.

Experience has shown that the barber law, even as amended, is extremely hard to administer.

With large sums of Federal money made available for public health activities by the passage of the Social Security Act, it is incumbent upon health officials to have ready carefully consid-

ered programs so that this contribution to be paid for by future generations may not be frittered away in the present. This matter has received much thought in the Department during recent months and challenges the best efforts we can put forth.

Legislation which the Department has approved and for which there is an obvious need, namely, an act to regulate public swimming pools and an act to permit some financial assistance for needy typhoid carriers, was again introduced but failed to pass. These two forms of protection for the public would require very little appropriation annually and might in any one year save many times their cost. As it is, no practical way exists to prevent bathing in polluted waters, and pool operators are without supervision except in a few municipalities.

Report of Bureau of Administration

For the Year Ending June 30, 1935

CHARLES J. MERRELL, CHIEF

In March, 1935, Governor Hoffman appointed Stanley H. Nichols, M.D., of Asbury Park as a member of the Department, to fill the unexpired term of Dr. J. O. McDonald, deceased. The term of Dr. McDonald expired on June 30, 1935. Governor Hoffman later appointed Dr. Nichols as a member of the Department for the full term of four years beginning July 1, 1935.

Governor Hoffman also appointed E. W. Smillie, V.M.D., of Plainsboro, in March, 1935, as a member of the Department in place of H. W. Winter, V.M.D., of Plainfield, whose term expired on June 30, 1934. In June, 1935, the Governor appointed Joseph N. Fowler, of Bivalve, in place of Charles I. Lafferty, of Atlantic City, whose term expired on June 30, 1934. The term of S. A. Cosgrove, M.D., of Jersey City, expired on June 30, 1935, but the Governor has thus far failed to appoint anyone in his place.

At the meeting of the Department on July 9, 1935, the Department reorganized by the election of Irvin E. Deibert, M.D., as President, and Miss Margaret L. MacNaughton as Vice-President. At this meeting J. Lynn Mahaffey, M.D., was re-elected Director of Health for the term of four years beginning July 1, 1935. On July 17, 1934, Mr. William H. MacDonald, who had been serving as Acting Chief of the Bureau of Local Health Administration for a number of years, was appointed Chief of the Bureau.

The following resolutions regarding the death of Mr. Charles A. MacDonald were adopted by the Department on February 26, 1935:

WHEREAS, It has pleased God in His infinite wisdom to remove from our midst Mr. Charles A. MacDonald on December 1, 1934; and

WHEREAS, Mr. Charles A. MacDonald has devoted twenty-four years of his life to the welfare of the people of this State through his energetic and devoted services in his office as Administrative Clerk in the Bureau of Engineering of the New Jersey State Department of Health; and

WHEREAS, The qualities we treasured in Mr. Charles A. MacDonald, his loyalty, his genial kindness, his unwearied thoughtfulness for others and his unselfish cooperation in his personal and official relationship, will be long remembered by us; therefore,

Be It Resolved, That the members of the New Jersey State Department of Health do hereby express their deep sorrow at the passing of Mr. Charles A. MacDonald; and,

Be It Further Resolved, That a copy of this resolution, duly attested to by the President and by the Director of the Department, be forwarded to his family.

The following code of ethics for employees of the Department was adopted by the Department on May 14, 1935:

The employees of the Department of Health of the State of New Jersey are to be courteous, patient, and considerate of all persons with whom they transact the business of the Department.

Unless otherwise authorized, the employees of the Department are to approach persons from whom they are to obtain information or specimens without misrepresenting the purpose of the visit. Inspections or investigations of a routine character are to be made during the regular hours of business generally recognized by the industry, profession or establishment under investigation.

Employees of this Department are instructed to refrain from breaking and forcing entry to premises under investigation and also to refrain from using physical force in case resistance is met in the line of duty, excepting in self-defense. In case of resistance or refusal of persons to furnish information or specimens desired, employees of the Department are to make written report to their superior officer promptly.

Employees are not to be under the influence of alcohol while engaged in the performance of duty.

Employees of the Department are not to borrow money from persons in professions, organizations, plants, establishments and systems under supervision of the Department and with whom the employee deals in the line of work of the Bureau to which he is assigned.

Unless authorized by the Director of Health or a member of the legislative committee of the Department of Health of this State, no employee shall ap-

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proach any member of the Legislature on legislation in which this Department is interested. The authorization for such activity shall issue from the directing authority to the interested employee through the Chief of the Bureau to which he is assigned.

When an employee of one Bureau of this Department performs work or service relating to another Bureau of the Department or to another Department of the State, a detailed report in writing is to be made by the employee to the Chief of the Bureau to which he is attached, who, in turn, is to transmit such report to the Chief of the Bureau concerned or to the Director of Health. Such reports are to include a statement indicating the reason for the unusual work or service and also the time spent on the matter.

BARBER CONTROL DIVISION

On July 17, 1934, Joseph DeFalco was appointed as a member of the Board of Barber Examiners in place of Philip Lamping for the term of three years beginning July 1, 1934.

The resignation of Edwin C. Lanigan as Chief in Charge of the Barber License Control Division was accepted to take effect as of August 24, 1934, and the work of this division was transferred to the Bureau of Local Health Administration and placed under the supervision of William H. MacDonald, Chief of said Bureau.

At the meeting of the Department on June 11, 1935, Adam L. Kuhn was reappointed as a member of the Board of Barber Examiners for another term of three years.

APPROPRIATIONS

An appropriation of \$482,667.84 was granted by the Legislature for the work of the Department during the year ending June 30, 1936.

In this appropriation is included the amount of \$12,310.00 which the Department will be allowed to use of milk plant fees collected; \$3,150.00 allowed of the fees collected for ice cream licenses and \$16,075.00 allowed from the fees collected for barber licenses. An additional appropriation of \$15,145.00 for shellfish work was granted.

The plan of cooperation with the State Medical Society under which biologicals were furnished last year free of cost to physicians who agree to set aside a health hour in which they will inoculate and vaccinate young children in accordance with the

regulations of the medical society and with the rules and regulations adopted by the State Department of Health, will be continued for the coming year and an appropriation of \$17,835.00 was allowed for this purpose.

During the year a special appropriation of \$12,000 was granted by the State House Commission for special shellfish work and it has been agreed that a special appropriation, in addition to the regular appropriation allowed in the appropriation law, will be granted by the State House Commission during the coming year in order that additional funds may be available for this work.

A financial statement showing expenditures by the Bureau of Department for the year ending June 30, 1935, will be found at the close of the report of this Bureau.

BOARD OF EXAMINERS AND EXAMINATIONS

Four regular examinations on the last Friday of July, October, January and April were held as usual.

At the meeting of the Department on February 26, 1935, James J. Hagan, Jersey City; Patrick J. Monaghan, Newark; Edwin G. Coward, M.D., Pleasantville, together with Wallace T. Eakins and Frank Yates, of the staff of the Department, were reappointed as members of the Board of Examiners for the coming year. The Board reorganized by the election of Mr. Hagan as President and Mr. Eakins as Secretary for one year.

During the year there were filed with the Department 111 applications for examination as health officer or as inspector of the various classes.

Licenses were issued to those receiving a general average of 70 per cent. or more, as follows: Health Officer, 9; Sanitary Inspector of the first class, 22; Sanitary Inspector of the third class, 1; Plumbing Inspector, 23; Food and Drug Inspector, 3; Veterinary Meat Inspector, 1; Lay Meat Inspector, 4; Milk Inspector, 1.

Examinations for sewage and water plant operators were conducted as usual by the Bureau of Engineering of the Department during the year. Information regarding these examinations will be found in the report of the Bureau of Engineering.

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TUBERCULOSIS HOSPITALS

At the meeting of the Department held on July 17, 1934, the Special Committee of the Department reported regarding hearing given at the Hudson County Court House, Jersey City, on June 26, 1934, concerning application of the Board of Freeholders of Hudson County for approval of the site for the new county hospital to be located at Medical Centre in Jersey City. The report of the committee with recommendations was accepted by the Department and the following preamble and resolution adopted:

WHEREAS, Application has been made to the Department of Health of the State of New Jersey by the Board of Chosen Freeholders of Hudson County, New Jersey, for approval of the site of the new Hudson County Tuberculosis Hospital to be located at Medical Centre, Jersey City, New Jersey; and

WHEREAS, A public hearing was given by a special committee of this Department at Jersey City, New Jersey, on June 26, 1934, at which time full opportunity was given to all present to speak for or against the location of the hospital at the site selected; and

WHEREAS, Although no one appeared to make any objection at the time of the hearing, a petition was later forwarded to the Department, signed by about eighty persons, protesting against the erection of a hospital at the site proposed on account of the overloading of the sewer on Cornelison Avenue; and

WHEREAS, It was stated at the hearing that sewage from the proposed hospital will be discharged not only into the Cornelison Avenue sewer, but also into the sewer on Clifton Place, and a letter from the Chief Engineer of Jersey City dated July 16, 1934, states that he has carefully checked the sewer sizes and from his examination is convinced that there is absolutely no reason to believe that the sewage discharged into the sewer from the proposed hospital will back up and overflow any section of the area in question; therefore,

Be It Resolved, That the application of the Board of Chosen Freeholders of Hudson County for permission to erect and maintain a new County Tuberculosis Hospital at Medical Centre, Jersey City, New Jersey, be and the same is hereby granted.

Report was presented by the Special Committee of the Department at the meeting held on December 4, 1934, concerning hearing given by said Committee on November 27, 1934, at Brown's Mills, N. J., relative to application of Caroline M. and Walter H.

Stull to establish a sanatorium for the care and treatment of cases of pulmonary tuberculosis in Sycamore Hall, Brown's Mills, N. J. The committee stated that no objections to the establishment of the sanatorium were presented at the time of the hearing and no communications opposing the same had been filed with the Department. A permit to establish a tuberculosis sanatorium at the place named was therefore granted to Mr. and Mrs. Stull.

Application was received from the Board of Freeholders of Middlesex County for permission to erect a county tuberculosis hospital in Roosevelt Park, Raritan Township, near the Borough of Metuchen in Middlesex County, N. J. A hearing regarding said application was given by a special committee of the Department on February 28, 1935, and report regarding said hearing was presented by said committee at the meeting of the Department on April 9, 1935. On recommendation of the committee a permit was granted by the Department for the erection of a hospital at the site named.

CEMETERIES

Application was received from citizen freeholders of the City of Newark requesting reversal of the action of the Commissioners of said city in granting a permit to the New Montefiore Cemetery Company to establish a cemetery in Newark. A special committee of the Department was appointed and a hearing relative to said application was given by the committee at Newark on September 7, 1934, at which time evidence was presented showing that a number of persons who had signed the application to the Department for reversal of the decision of the local officials of the City of Newark were not citizen freeholders and as there were less than ten citizen freeholders who had signed the application, as required by the statute, the application for action by the Department in the case was withdrawn.

At the meeting of the Department held on September 11, 1934, report was presented by a Special Committee of the Department regarding hearing held by said committee at Mt. Bethel, Warren Township, Somerset County, on November 23, 1934, concerning application of Maurice I. Klein, M.D., of Newark, for reversal

of the decision of the local officials of Warren Township, Somerset County, in refusing to grant consent to Dr. Klein to establish a cemetery on his property in South Stirling in said township. It was reported by the committee that at the time of the hearing no one spoke in favor of the cemetery excepting a member of the legal firm representing Dr. Klein and in accordance with the recommendation of the committee it was decided that the application for reversal of the decision of the local officials of Warren Township, Somerset County, in refusing to grant consent to Dr. Klein to establish a cemetery on his property in Warren Township, be denied and that no permit be granted by the Department for the establishment of the cemetery.

Application was received by the Department from citizen freeholders of Hohokus Township, Bergen County, for reversal of the decision of the local officials of said township in granting permission to the Roman Catholic Diocese of Newark to establish a cemetery on lands owned by the Diocese in Hohokus Township. A special committee of the Department held a hearing relative to said application in the Town Hall at Mahwah, Hohokus Township, on April 25, 1935. In consideration of the large number of interested citizen freeholders supporting the project; of the local need of a considerable portion of the population of the township for a Catholic cemetery; of its proposed operation by a bona fide and already established local religious body; of the favorable action of the local officials; of the lack of demonstration of sanitary objections; and of the small number and apparently wholly selfish interest of the objectors to the project, the Department, on recommendation of the committee, denied the application for reversal of the action of the local officials and sustained said officials in granting a permit for the establishment of the cemetery.

Application of the Bridgewater-Somerset Realty Corporation for reversal of the decision of the local officials of Branchburg Township, Somerset County, in refusing to grant consent to said corporation to establish a cemetery in said township was filed with the Department and a special committee of the Department conducted a hearing concerning said application at North Branch,

N. J., on May 2, 1935. In view of the fact that the officials of Branchburg Township denied the application of the Bridgewater-Somerset Realty Corporation on the grounds that there is no need of more burying facilities in the township; that the dedication of the proposed tract as a cemetery would reduce the tax ratables of the township; that it would tend to lower the value of adjacent property; and because of a failure of the corporation to give any assurance of a satisfactory plan of development or of financial ability to complete the project, the application for reversal of the decision of the local officials in refusing to grant consent for the establishment of the cemetery, on recommendation of the majority of the members of the special committee, was denied and the action of the township officials was sustained.

ANNUAL CONFERENCES

The twenty-fifth Annual Conference of State and Local Health Officials was called to order by Dr. S. A. Cosgrove, President of the State Department of Health, in the State House, Trenton, at 2 P. M., on February 15, 1935.

The President welcomed the various representatives from local boards of health to the conference and gave a short address. The first paper of the afternoon session was read by Mr. William H. MacDonald, Chief of the Bureau of Local Health Administration of the State Department of Health. The paper was entitled, "Use of Free Toxoid and Vaccine by New Jersey Physicians." A paper entitled "Gain Local Support With Your Yearly Report" was read by Cecil K. Blanchard, Assistant Epidemiologist of the New Jersey State Department of Health.

A roll call of the counties showing the number of representatives from each county then took place, after which a paper was read by Irvin E. Deibert, M.D., Chairman of the Shellfish Committee of the State Department of Health, on the subject of "New Jersey's Program for Keeping Its Shellfish Safe as a Food." The last paper of the afternoon session, entitled "Aiding Health Officials in Venereal Disease Problems," was presented by Carl Daines, Supervisor, Social Hygiene Education, New Jersey State Department of Health.

This was followed by a general discussion of the papers presented at the afternoon session.

The evening session was opened with a motion picture entitled "Public Enemy Number One." This picture was loaned by the Motor Vehicle Department and presented a graphic demonstration of the careless auto driver. The first paper of the evening session on the subject of "Bacillary Dysentery" was read by Wade H. Frost, M.D., Professor of Epidemiology and Dean of the School of Hygiene and Public Health, Johns Hopkins University. The second paper was read by Maurice Brodie, M.D., Assistant Professor of Bacteriology, New York University, on the subject of "Immunization Against Infantile Paralysis." A very interesting and spirited discussion of these papers closed the final session of the conference.

The Annual Meeting of the Health Officers' Association of New Jersey was held in the State House on Saturday morning, February 16, 1935. Following the address of the retiring President, Mr. Dennis J. Sullivan, of Jersey City, the usual business session of the Annual Meeting was held. The following officers were elected for the coming year: President, R. C. Errickson, Long Branch; Vice-President, Edwin F. Stewart, M.D., Fair Haven; Secretary-Treasurer, William C. Blake, Princeton; members of the Executive Committee, Amos Field, Jr., Kearny; William H. MacDonald, Trenton; George N. Golding, Verona; H. R. H. Nicholas, Englewood; A. J. Krog, Plainfield; John N. Ryan, M.D., Passaic; Marie A. Harrison, Maplewood. Amos Field, Jr., was later elected Chairman of the Executive Committee.

The Sixtieth Annual Meeting of the New Jersey Health and Sanitary Association was held at the Berkeley-Carteret Hotel, Asbury Park, November 16 and 17, 1934. The first session on Friday afternoon, November 16th, was divided in two sections, the general session over which the First Vice-President, I. W. Knight, M.D., of Pitman, presided, and a session devoted to papers on water supplies and sewerage over which the President, James C. Brooks, C.E., presided. At the general session in the afternoon the following papers were presented: "State Planning and Public Welfare," by Russell V. Black, Directing Consultant,

New Jersey State Planning Board; "The New Jersey School Health Program," by Allen G. Ireland, M.D., Director of Health and Physical Education of the State of New Jersey Department of Public Instruction; "The Medical Society of New Jersey Organizes to Improve Community Health Services," by LeRoy A. Wilkes, M.D., Executive Secretary of the Medical Society of New Jersey.

At the session on sewage and water supplies the following papers were read: "Trends in Modern Sewage Treatment and Organization," by Willem Rudolfs, Ph.D., State Agricultural Experiment Station; "Control of Coastal Water Pollution in Northern New Jersey," by Stephen Kowalchik and Harry Greenfield, representatives of the Bureau of Engineering of the State Department of Health; "The Tri-State Treaty Commission," by Joseph P. Day, of New York City; "Chlorine in Sewage Treatment," by William J. Orchard, of the firm of Wallace & Tiernan Company, Inc.

At the evening session Mr. John Colt, Chairman of the Administrative Council of the Emergency Relief Administration, spoke on the subject of "The Future of Emergency Relief," and Thomas Parran, Jr., M.D., Commissioner of Health of New York State, spoke on the subject of "Health and Medical Relief in New York State."

The business session of the Association was held on Saturday morning, November 17th, at which time I. W. Knight, M.D., of Pitman, was elected President of the Association for the coming year.

Following the usual practice, a meeting of the Health Officers' Association was held in the hotel immediately following the final session of the New Jersey Health and Sanitary Association on Saturday morning.

LEGISLATION

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

Senate Bill No. 30, enabling Passaic Valley Sewerage Commission to lease to municipalities rights-of-way to build pipe lines for sewerage and to contract with municipalities for sewage disposal. This bill became a law, Chapter 26.

Senate Bill No. 45, permitting the Department of Health to lease properties for shellfish purification work. This bill became a law, Chapter 200.

Senate Bill No. 50, permitting sterilization of mental defectives. This bill failed to pass.

Senate Bill No. 123, making pneumoconiosis (dust disease) compensable under Workmen's Compensation Act. This bill failed to pass.

Senate Bill No. 128, forbidding issuing of birth certificates revealing illegitimacy of children. This bill became a law, Chapter 104.

Senate Bill No. 130, providing for the issuance of restricted information in lieu of birth certificates concerning adopted children. This bill became a law, Chapter 105.

Senate Bill No. 131, repealing sundry acts concerning illegitimacy of children. This bill became a law, Chapter 106.

Senate Bill No. 170, naming commissioners to represent New Jersey on Interstate Sanitation Commission and providing tri-State compact respecting pollution of New York Harbor and adjacent waters. This bill became a law, Chapter 321.

Senate Bill No. 171, creating Interstate Sanitation Commission with New York State and Connecticut. This bill became a law, Chapter 322.

Senate Bill No. 254, requiring milk brought into New Jersey to be pasteurized and bottled in this State; requiring adequate pasturage for cows. This bill failed to pass.

Senate Bill No. 255, making violation of State milk laws a misdemeanor. This bill failed to pass.

Senate Bill No. 256, requiring milk licensees to keep records and prohibiting secret price fixing agreements. This bill failed to pass.

Senate Bill No. 257, requiring milk dealers to buy from New Jersey producers at least 40 per cent of milk for distribution in this State. This bill failed to pass.

Senate Bill No. 258, permitting refilling of beverage and other containers by owners thereof regardless of markings thereon. This bill failed to pass.

Senate Bill No. 259, including cream cheese in list of products regulated by Chapter 131, Laws of 1932, and Chapter 243, Laws of 1933. This bill became a law, Chapter 216.

Senate Bill No. 285, repealing Chapter 50, laws of 1933, allowing municipalities to postpone sewage disposal plant installation because of financing difficulties. This bill failed to pass.

Senate Bill No. 296, repealing 1874 act providing Board of Health and Vital Statistics in Hudson County. This bill failed to pass.

Senate Bill No. 299, making it misdemeanor for barbers or beauticians to sell substitute cosmetics for standard products. This bill became a law, Chapter 181.

Assembly Bill No. 29, empowering Juvenile and Domestic Relations Court Judges to perform marriage ceremonies. This bill became a law, Chapter 115.

Assembly Bill No. 42, changing effective date in act regulating construction and sanitation of cow stables from January 1, 1936, to January 1, 1933. This bill failed to pass.

Assembly Bill No. 67, providing medical examination for normal school pupils and teacher candidates to guard against tuberculosis. This bill failed to pass.

Assembly Bill No. 68, providing more detailed physical examination for public school pupils. This bill failed to pass.

Assembly Bill No. 69, allowing Boards of Education to require physical examination of teachers believed to have communicable diseases. This bill failed to pass.

Assembly Bill No. 89, providing financial aid for carriers of certain communicable diseases. This bill failed to pass.

Assembly Bill No. 110, licensing beauty culturists; providing examinations and creating commission of three to enforce act. This bill failed to pass.

Assembly Bill No. 142, setting up method for compensating for industrial dust diseases under Workmen's Compensation Act. This bill failed to pass.

Assembly Bill No. 143, companion to Assembly Bill 132. This bill failed to pass.

Assembly Bill No. 144, companion to Assembly Bill No. 142. This bill failed to pass.

Assembly Bill No. 150, defining practice of chiropody. This bill failed to pass.

Assembly Bill No. 151, creating State Board of Chiropody Examiners. This bill failed to pass.

Assembly Bill No. 153, licensing persons engaged in the business of beauty culture. This bill failed to pass.

Assembly Bill No. 238, licensing osteopathic physicians and surgeons and providing new definitions. This bill became a law, Chapter 226.

Assembly Bill No. 272, allowing Boards of Freeholders in counties maintaining county tubercular hospitals to appoint business managers of hospitals. This bill failed to become a law.

Assembly Bill No. 314, increasing number of yearly barbers' examinations by State Health Department to three; providing registering of barbers in interim of examinations. This bill became a law, Chapter 266.

Assembly Bill No. 320, requiring dogs to be vaccinated against rabies. This bill failed to pass.

Assembly Bill No. 346, repealing Chapter 427, Laws of 1933, which made owners liable for dog bites. This bill failed to pass.

Assembly Bill No. 366, repealing 1874 act providing Board of Health and Vital Statistics in Hudson County. This bill failed to pass.

Assembly Bill No. 373, requiring municipal Registrars of Vital Statistics to keep records of deceased veterans. This bill was filed in the State Library without signature by the Governor.

Assembly Bill No. 414, establishing State Department of Beauty Culture Control and providing license for practitioners. This bill became a law, Chapter 307.

STATEMENT SHOWING EXPENDITURES BY BUREAUS OF THE DEPARTMENT OF HEALTH OF THE STATE
OF NEW JERSEY FOR THE YEAR ENDING JUNE 30, 1935

<i>Bureaus</i>	<i>Payrolls</i>	<i>Traveling Expense</i>	<i>Stationery</i>	<i>Office Equipment</i>	<i>Postage</i>	<i>Printing</i>	<i>Sundry</i>	<i>Auto Maint.</i>	<i>Tabulating Machine Maint.</i>	<i>Laboratory Supplies</i>	<i>Laboratory Equipment</i>
Administration	\$22,279	\$1,364	\$1,274	\$211	....	\$614	\$481	.....	.....	.....	.....
Vital Statistics	28,501	90	261	372	....	1,370	46	.....	\$1,068	.....	.....
Local Health Administration	37,822	836	92	4	....	586	246	\$1,913	168	.....	.....
Food and Drugs	52,117	12,803	41	....	....	470	241	354	.....	\$291	.....
Engineering	44,434	2,634	49	224	....	204	402	1,938	.....	727	.....
Chemistry	23,271	153	....	85	....	276	126	.....	.....	2,493	1,954
Bacteriology	31,515	139	28	90	....	962	275	.....	.....	11,573	1,062
Public Health Education	4,500	16	....	....	....	....	3	.....	.....	.....	.....
Barber Division	6,021	2,470	206	51	\$100	857	452	.....	.....	.....	.....
Child Hygiene	76,606	18,559	398	60	305	1,257	437	.....	.....	.....	.....
V. D. Control	16,320	2,373	141	9	....	476	137	.....	.....	.....	.....
Total of Columns	\$343,386	\$41,437	\$2,490	\$1,106	\$405	\$7,072	\$2,846	\$4,205	\$1,236	\$15,084	\$3,016

BUREAU OF ADMINISTRATION

**STATEMENT SHOWING EXPENDITURES BY BUREAUS OF THE DEPARTMENT OF HEALTH OF THE STATE
OF NEW JERSEY FOR THE YEAR ENDING JUNE 30, 1935—Continued**

<i>Bureaus</i>	<i>Boat Maint.</i>	<i>Print'g Public Health News</i>	<i>Engineering Equipment</i>	<i>Clinic Equipment</i>	<i>Inspection Service</i>	<i>Welfare Station Equipm't</i>	<i>Shellfish Division</i>	<i>Toxoid Division</i>	<i>Milk Plant License Div.</i>	<i>New Cars</i>	<i>Total by Bureaus</i>
Administration	\$26,223
Vital Statistics	31,708
Local Health Administration	\$19,524	.....	\$910	62,101
Food and Drugs	\$1,531	.....	.....	.....	.....	.....	\$2,922	.....	\$1,709	.....	72,479
Engineering	\$399	.....	.....	.....	.....	.....	.....	750	51,761
Chemistry	28,358
Bacteriology	45,644
Public Health Education	\$1,773	.....	.....	.....	.....	.....	.....	.....	.....	6,292
Barber Division	\$6,400	.....	.....	.....	.....	.....	16,557
Child Hygiene	\$832	.....	.....	.....	.....	98,454
V. D. Control	\$5,160	.....	.....	.....	.....	.....	.....	24,616
Total of Columns	\$1,531	\$1,773	\$399	\$5,160	\$6,400	\$832	\$2,922	\$19,524	\$1,709	\$1,660	\$464,193

Report of the Bureau of Local Health Administration

For the Year Ending June 30, 1935

WILLIAM H. MACDONALD, CHIEF

Expansion of the plan for distributing free toxoid and vaccine and the assignment of the Barber Registration Division to the general supervision of the Bureau of Local Health Administration, were two important factors in the work of the Bureau for the year. Other activities of the Bureau continued, including the recording and investigation of cases and outbreaks of reportable diseases, investigation of alleged nuisances, investigation of sanitary conditions at roadside refreshment stands, camps and other places, and extending aid to local health departments through correspondence, personal conferences and field assistance in special problems.

The number of cases of the thirty-two diseases listed in Regulation 1, Chapter VI of the State Sanitary Code reported to the Department during the calendar year 1934, was 65,296. Although this is nearly 17,000 less than the number reported last year, the chief reduction was in measles and mumps, both of which fluctuate markedly in prevalence in different years.

Diphtheria as a factor in both morbidity and mortality in New Jersey, was further reduced. The recorded case rate, 20.09 per 100,000, and the recorded death rate, 1.32 per 100,000, were new low records. The fifty-six deaths from this cause were only slightly greater than the number of deaths from measles and were less than the number of deaths from either scarlet fever or whooping cough. The fact, however, that 850 cases of diphtheria occurred, and the fact that 29 per cent. of these cases and 57 per cent. of the deaths from this cause were in children less than 5 years old, shows the need for continued efforts to have

children, particularly in this pre-school age group, receive the protection afforded by toxoid.

Typhoid fever cases were slightly greater in number than in 1933; however, the number of deaths was lower. Both the case and death rates from tuberculosis, 96.76 and 52.70 per 100,000 respectively, reached new State-wide low records. In spite of the fact that only about 5 per cent. of the population of New Jersey is colored, 21 per cent. of the recorded deaths from tuberculosis during the year were among colored persons.

The prevalence of poliomyelitis and meningococcus meningitis during the year was about the same as in years considered normal.

For the third consecutive year, no case of smallpox was reported. This record is most gratifying. It cannot be stated, however, that the population of New Jersey is completely protected from smallpox, inasmuch as there are still many unvaccinated persons in the State, even among children in the public schools. There are a considerable number of municipalities in which local regulations do not yet require vaccination as a requisite to continue in public school.

RABIES IN ANIMALS

Reports of 207 cases of rabies in animals were received from 87 local boards of health in 18 counties. All but one of the animals reported rabid were dogs.

Number of Cases of Rabies in Animals Reported by Local Boards of Health,
by Counties and by Months, January-December, 1934

County	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Atlantic ...	0	0	0	0	0	1	0	0	0	0	0	0	1
Bergen	7	4	4	8	9	8	5	0	2	1	0	2	50
Burlington..	0	0	0	0	2	0	0	0	0	0	0	1	3
Camden	0	0	2	0	0	2	3	0	0	3	3	3	16
Cape May..	0	0	0	0	0	0	0	0	0	0	0	0	0
Cumberland.	0	0	0	0	0	0	0	0	0	0	0	0	0
Essex	8	3	0	0	0	3	0	0	0	0	2	1	17
Gloucester..	0	1	1	1	0	0	0	0	0	0	5	7	15
Hudson	1	0	4	7	2	8	2	1	0	1	1	1	28
Hunterdon..	0	0	0	1	0	0	0	0	1	1	0	2	5
Mercer	1	3	2	2	0	4	1	0	1	2	0	3	19
Middlesex ..	0	1	2	0	1	1	2	0	0	0	0	0	7
Monmouth ..	0	1	0	0	0	0	0	0	0	0	0	0	1
Morris	1	3	0	2	2	3	0	1	0	1	0	1	14
Ocean	0	0	1	0	0	0	0	0	0	0	0	0	1
Passaic	0	1	4	1	0	1	1	0	0	0	1	1	10
Salem	0	2	1	0	0	0	0	0	1	0	0	0	4
Somerset ...	0	1	3	0	0	1	0	0	0	0	1	1	7
Sussex	0	0	0	0	0	0	0	0	0	0	0	0	0
Union	2	3	1	1	1	0	0	0	0	0	1	0	9
Warren	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	20	23	25	23	17	32	14	2	5	9	14	23	207

INVESTIGATION OF OUTBREAKS

Careful investigation of known cases to determine any probable source of infection is fundamental in preventing the spread of communicable diseases. Many local boards of health, particularly in the smaller communities, do not undertake to make such investigations carefully and completely, even in those diseases which are frequently spread by means of some article of food or drink. Employees in the Bureau, and particularly district health officers, make many such field investigations, usually in cooperation with representatives of local boards of health. Four hundred twenty cases of communicable diseases in 135 municipalities were so investigated by employees in the Bureau last year.

TYPHOID FEVER

Study was made of an unusual number of cases of typhoid fever in the seashore section of Monmouth County in the vicinity of Asbury Park. A total of 46 cases resulting in nine deaths was included in the investigation. These cases had onsets ranging from early in May to August 5. The cases occurred in seven municipalities, twenty-eight of the cases occurring in Asbury Park, but in the area west of the tracks of the railroad extending parallel to the coast and not in the summer hotel section. In spite of exhaustive study, a definite cause of the outbreak was not proven. During the inquiry, two carriers of typhoid bacilli, one temporary and one chronic, were discovered in food vending establishments in the area in which the largest number of cases occurred; however, from the data collected, neither could be charged with causing the outbreak. The use of a public water supply was in common among the patients, and although the investigation cast grave suspicion upon this supply as the vehicle transmitting infection, such a suspicion was based upon presumptive evidence alone.

Fifty-six scattered cases of scarlet fever and diphtheria in 23 municipalities were investigated and, in many instances, personal contact with mild or missed cases of these diseases was established.

SEPTIC SORE THROAT

The presence of septic sore throat in Flemington was reported by the secretary of the local board of health on April 23, 1935. Although information to show the extent of the disease was lacking, investigation of the situation was promptly commenced. As a result of this investigation, 21 cases were located in the borough, and epidemiological studies indicated raw milk produced and sold by a local distributor was the vector of infection. Examination of the cows at this dairy on April 25, revealed one cow with severe mastitis and another discharging flakes from one teat. The presence of mastitis in the herd prior to this date was also established. Bacteriological examination of market milk from this dairy on April 25, gave a total count of 1,300,000 per c.c. and showed the presence of pus cells and streptococcus viridens.

The sale of milk from the diseased cattle was prohibited and no milk was permitted to be sold from the premises unless pasteurized. The outbreak stopped promptly.

Doubtless the prompt action taken prevented a much larger outbreak. This experience indicates the desirability of adding septic sore throat to the list of reportable diseases in order that local outbreaks of the disease may be recognized early.

UNDULANT FEVER

Twenty-seven cases of undulant fever were reported during the calendar year 1934. Histories of these cases were collected by employees in the Bureau or through local health officials. According to the information gathered, 17 of the patients regularly used only raw milk; four used raw milk regularly and pasteurized milk occasionally; four used pasteurized milk regularly, one of whom used raw milk occasionally. In one case the source of milk used was not determined. One patient was reported as using canned milk.

MALARIA

Nineteen cases of malaria were reported during the year 1934.

As a result of special inquiry, it definitely appeared that eleven were cases imported from outside of New Jersey and one was originally infected intentionally as part of a treatment for another disease. Complete information is lacking about four cases. From the data at hand, it cannot be shown that the remaining three cases were not infected in New Jersey.

GASTRO-ENTERITIS

Cream puffs and eclairs have caused several outbreaks of acute gastro-intestinal disturbance in New Jersey in the last few years. Early in December, 1934, two local boards of health reported cases of gastro-enteritis in families who had obtained cream puffs from a large baking concern through local distributors. Further investigation revealed at least 100 cases of illness had occurred among users of this product in Union, Bergen, Essex and Hudson Counties. All the cases of illness occurred on December 5th and 6th.

Investigation at the bakery showed that the manufacturers were aware of the possible effect of holding cream filler at warm temperatures and had adopted a system of chilling and refrigerating the filler promptly after preparation. The marketing process followed by this concern, however, resulted in a lapse of from 18 to 26 hours between the time the cream filler was placed into the puff shells and the time the product was delivered to consumers. Therefore, although special care was taken in this instance in the preparation and storage of the cream filler, opportunity was afforded for the multiplication of bacteria in the material before delivery. This concern promptly discontinued the making of cream puffs.

Cooperation was extended officials of the Holy Name Hospital at Teaneck in making investigation of about 27 cases of severe illness among new-born babies in the maternity section of the institution. Cases occurred in babies from about December 25 to about January 19, shortly after which the maternity section

was closed by the hospital authorities and no further obstetrical cases received for a period of several weeks. This action had been taken before the State Health Department was aware of the situation.

Authorities at the hospital stated cases were characterized by symptoms of digestive disturbance with persistent green stools. Some of the children were affected when only a day or two old. Others showed no symptoms until about a week old. Ten of the affected babies died.

The definite cause of the cases was not discovered, nor was there established a common source of any infection.

COWPOX IN HUMANS

The prevalence of unusually severe cowpox among humans was reported by physicians in Sussex County in November, 1934. By investigation, there were obtained histories of 48 cases which occurred in the northwestern section of the county, from September to December, 1934. All the patients were milkers and were employed on 18 dairy farms. Proprietors of these farms stated a total of 334 cows had been affected among their herds.

Histories obtained of the cases in humans showed that the primary lesions usually developed on the fingers or hands at the site of some skin abrasion. Several of the affected persons reported suffering from general symptoms such as fever, backache, severe pains in affected limbs and swollen painful auxiliary glands. The length of illness varied from four days to six weeks, the average being from ten to fourteen days. Information was sought to establish the vaccinal status of patients and such data was obtained for 38 patients. Of these, 27 had never been vaccinated, six had been vaccinated more than 20 years previously, two had been vaccinated within a period of 7 to 20 years, and three had been vaccinated within less than seven years. It is interesting that in the latter three cases the symptoms were mild; two reported having only one lesion and one reported having two lesions. These facts strongly suggest vaccination as a practical method not only of preventing smallpox but of protecting milkers from becoming infected with cowpox from cattle having this disease.

ERYSIPELAS

During the winter of 1934 and early spring of 1935, 19 cases of erysipelas occurred among persons at the New Jersey State Hospital, Trenton. Sixteen of the cases were in inmates and three in employees. Two cases were males; 17 were females.

Careful investigation was made of these cases and of the circumstances under which the cases occurred. Contact between cases was established in some instances. The occurrence of this number of cases in an institution suggests that more complete study of such cases should be made, and that the disease might properly be added to the reportable list.

TULAREMIA

One case of tularemia was reported during 1934 in a person employed in a local butcher shop in Hudson County where he handled and dressed carcasses of rabbits believed to have been imported from the middle west.

STATE INSTITUTIONS

At five State institutions investigation was made of 163 cases of diseases, including diphtheria, para-typhoid and typhoid fever, scarlet fever, measles, erysipelas and gastro-enteritis.

COMMUNICABLE DISEASES ON DAIRIES

Thirty-six cases of scarlet fever, three cases of diphtheria and one case each of typhoid fever and tuberculosis were reported and investigated on 35 dairy farms in 12 counties.

Arrangements were made at each of these premises whereby the sale of milk produced thereon was permitted by the Department to continue.

ASSISTANCE IN DIAGNOSIS

In suspected cases of communicable diseases it is the policy to urge that local boards of health, through local personnel, establish a definite diagnosis if such a step is found necessary. In response to special requests, however, diagnostic aid, in addition

to laboratory aid, was furnished through this Bureau during the year in 65 instances. The diseases suspected in these cases included scarlet fever, diphtheria, measles, Rocky Mountain spotted fever, smallpox, mumps, typhus fever and meningitis.

TYPHOID CARRIERS

A bill designed to enable the State to pay a small amount to certain needy typhoid carriers for medical or surgical care and maintenance, was again sponsored by the Department and introduced into the Legislature. This bill, however, did not become a law.

During the year two carriers were removed from the list recorded in the office of the Department and two more carriers were discovered.

FREE BIOLOGICALS

Distribution of diphtheria toxoid and smallpox vaccine free, through the State Department of Health was established as a policy by act of Legislature in Chapter 127 of the Laws of 1934. The enactment of this law in May, 1934, left little time during the fiscal year to place into operation a plan for the distribution and use of these materials. The Department, however, on June 5, pursuant to the Statute, adopted rules for the distribution of these biologicals and thereafter a few distributing stations were established. This plan, however, did not really function until the fiscal year of 1934-35.

By the end of this year 58 distributing stations had been established at which physicians could procure the State materials by signing a receipt form which was later filed in the office of the State Health Department. Report forms were handed physicians when procuring materials, upon which they could report conveniently the names of children receiving the materials. One thousand three hundred eighty-three physicians filed with the State Health Department agreement forms, giving special hours they selected for immunizations and upon which they agreed to follow the rules adopted by the Department in regard to the free toxoid and vaccine. The number of physicians recorded as securing materials from distributing stations was 1,290 and the

LOCAL HEALTH ADMINISTRATION

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number who reported some use of the material secured was 973. The total number of children reported by physicians as given the free toxoid was 18,676; the number of children reported vaccinated was 9,811.

NUMBER OF CHILDREN REPORTED BY PHYSICIANS AS GIVEN FREE STATE
TOXOID OR VACCINE DURING THE YEAR ENDING JULY 1, 1935

<i>County</i>	<i>Number of Children Reported Treated</i>	
	<i>Toxoid</i>	<i>Vaccine</i>
Atlantic	293	434
Bergen	3,232	950
Burlington	147	156
Camden	366	260
Cape May	114	483
Cumberland	374	207
Essex	3,028	1,869
Gloucester	1,125	336
Hudson	266	24
Hunterdon	153	175
Mercer	66	254
Middlesex	1,056	731
Monmouth	759	95
Morris	881	667
Ocean	63	74
Passaic	3,677	1,619
Salem	222	226
Somerset	825	272
Sussex	695	141
Union	1,238	699
Warren	96	139
Total	18,676	9,811

Eight per cent. of the children reported as receiving the toxoid were less than one year old; 47 per cent. were less than five years old.

Reports of children vaccinated with the State materials show 2 per cent. to have been less than one year of age, while 40 per cent. were below five years.

The experience of the first year under this project warrants some comments.

1. The interest of physicians in the plan was reflected in the relatively large number filing agreement forms.

2. The system of distributing, checking and reporting which was adopted appears, in the main, satisfactory.

3. Difficulty was experienced in securing complete reports from some physicians.

4. Local health officials report that in order to get a given number of poor children to go to physicians' offices for free immunization or vaccination, considerably greater effort is required than to get an equal number of such children to attend group immunization projects organized under public auspices.

5. To insure more general immunization, an addition should be incorporated in the present plan whereby young children of families of low wage groups may receive immunization some other way, if efforts to have them taken to physicians' offices for this purpose fail.

INSPECTION OF LUNCH ROOMS AND CAMPS

This work was carried on as extensively as practicable during the year, mainly by district health officers in the area to which they are assigned.

Both camps and roadside stands are open chiefly during the summer months, and it is therefore necessary nearly all inspections of these establishments shall be made during the months of June, July and August. Inasmuch as action for a violation of the Sanitary Act can only be undertaken after the procedure set forth in the act has been followed, no case against any lunch room proprietor was finally ready for action until after the stands in question had closed for the season. These actions, therefore, were not pressed. Such stands should properly be inspected by local boards of health and the proprietors required to comply with reasonable provisions set forth in local sanitary codes. Action for enforcement of such local codes is less involved and more direct than can be carried out by the State Department under existing laws.

Inspection of camps by employees in the Bureau revealed that only a small proportion are visited by representatives of local boards of health in the rural communities, in which nearly all camps are located. The Chapter of the State Sanitary Code which applies to camps has not been an effective regulatory

measure inasmuch as local boards in so many of the sparsely populated townships do not have the employed personnel to inspect such places within their jurisdictions.

SPECIAL INVESTIGATIONS AND SURVEYS

Many complaints of alleged nuisances affecting the public health, including questions involving private water supplies and means of disposing of sewage on individual premises, are referred to this Bureau. While such matters properly come within the jurisdiction of local boards of health, employees in the Bureau frequently make investigation of such conditions, usually in company with representatives of local health boards. Over 450 such investigations were made last year by the Bureau.

A survey of health activities in Morris County was conducted in conjunction with the Tuberculosis League of the County. This survey showed the number of persons employed on full time in public health activities in Morris County, including employees of health departments, nursing associations and school boards was 53, and the number of persons so employed on a part-time basis was 126. The data collected was studied at the office of the American Public Health Association, where the conclusion was reached that with the funds expended by various agencies for public health service in the County, more effective work could doubtless be done if there was greater centralization of administrative functions.

PUBLIC HEALTH COURSES

Courses in Public Health Administration, which Rutgers University and this Department conduct jointly each year, were carried on as part of the regular summer session of 1934. Twenty students enrolled and the nine members of the advanced class received certificates from the University for satisfactory completion of the two-summer curriculum. Since these courses were inaugurated in 1926, 126 men and women have enrolled and 79 have received the Rutgers Certificate in Public Health. Fifty-eight of the graduates are now engaged in public health work in New Jersey, and several others are employed in related activities.

The Bureau acts for the Department in managing its share of the program and supplies two teachers.

OTHER WORK

Services rendered and work performed by the Bureau last year, in addition to the activities mentioned, included the following :

Number of conferences with local health officials on questions pertaining to health work	2,823
Number of conferences with other public officials, physicians and citizens on matters relating to public health	2,155
Number of meetings of local boards of health attended	48
Number of other meetings relating to health matters attended	167
Number lectures given in summer courses for health officials	44
Number other talks or lectures given or papers read	36
Number of municipalities in which assistance was rendered in giving or reading Schick and Dick tests	9
Number of specimens collected from humans, either by employees in the Bureau, or with their aid, to be examined for pathogenic bacteria	390
Number of other specimens and samples collected for laboratory examination	125

BARBER REGISTRATION DIVISION

By action of the Department on August 23, 1934, this Division was placed under the general supervision of the Bureau of Local Health Administration. All activities of the Division are based upon provisions of Chapter 175, Public Laws 1933. Certificates are issued to apprentice barbers, permits are issued certain classes of barbers pending examination and certificates of registration are issued experienced practicing barbers. Such certificates are renewable annually. Examinations are held of apprentice barbers and permit holders applying for certificates as registered barbers. Inspections are made at barber shops about the State to check compliance with Sanitary Regulations adopted by the Department pursuant to statute.

The personnel of the Division, as transferred, consisted of three examiners designated in accordance with the act, one inspector and an office force of three.

Many barbers had neglected to renew certificates for the current year. Such violators of the act were being taken into court

on complaint of an examiner. This practice, however, was changed by action of the Department on November 13, 1934, when it voted that no violator of the Barber Registration Law should be proceeded against until such person had first been granted opportunity for a hearing before the Chief of the Bureau. After this policy was established, barbers were granted an opportunity to appear for hearing before authority was given an examiner to proceed against them.

The total amount collected for fees for certificates and permits during the year was \$40,012.16, all of which was turned over to the State Treasurer to become part of the general funds of the State. The appropriation for all purposes of the Division for the year, including salaries, travel, printing, etc., was \$17,600.00. Of this amount, approximately \$16,800 was spent, including payment of some obligations incurred during the previous year. This expenditure does not include any payment for services rendered in the work of the Division by regular employees in the Bureau of Local Health Administration.

Contradictory and illogical provisions in the original law interfered with its practical enforcement. By an amendment sponsored independent of the Department, and approved June 10, 1935, some of the provisions of the original law were changed. One of the changes incorporated in the amendment reduces the annual renewal fee for certificates of registered barbers from \$4.00 to \$3.00. This will doubtless result in some reduction in revenue collected in the administration of this act during the coming year.

There is given below a brief summary of work done by the field force of the Division for the eleven months period from August 1, 1934, to July 1, 1935.

Number barber shops inspected	7,653
Number barber shops reinspected to check on sanitary violations	463
Number permit holders notified to appear for examination	1,672
Number permit holders recommended for certificates after examination	462
Number apprentices examined	111
Number apprentices who failed to pass examination	97
Number apprentices recommended for certificates	14
Number barbers summoned to court on complaint for violating the Registration Law or Sanitary Regulations	233

DEPARTMENT OF HEALTH

REPORTED CASES OF CHICKENPOX IN NEW JERSEY

For the Calendar Year 1934 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	324	45	32	58	45	34	23	9	6	2	6	30 34
1 year	501	92	58	56	60	57	37	19	5	5	14	42 56
2 years	720	101	85	113	90	79	56	26	6	4	20	69 71
3 years	856	94	93	127	104	113	70	29	9	5	29	75 108
4 years	1065	167	113	159	119	124	82	32	8	9	39	95 118
Under 5 years	3466	499	381	513	418	407	268	115	34	25	108	311 887
5 to 9 years	9405	1420	1189	1344	1046	1251	866	118	21	54	292	848 956
10 to 14 years	1131	171	157	171	112	150	107	10	3	4	31	87 128
15 to 19 years	148	27	21	30	18	12	14	1	4	0	1	9 11
20 to 24 years	49	8	5	9	7	4	2	0	2	0	0	3 9
25 to 34 years	85	14	11	13	9	11	6	2	1	0	0	8 10
35 to 44 years	39	6	5	7	6	4	0	0	0	0	0	5 6
45 to 54 years	6	1	2	1	0	0	1	0	1	0	0	0 0
55 to 64 years	3	0	1	0	0	0	0	0	0	0	0	0 2
65 years and over	4	1	0	0	0	1	1	0	0	0	0	0 1
Age not stated	28	3	3	5	1	3	4	0	0	0	1	2 6
Total	14364	2150	1775	2093	1617	1843	1269	246	66	83	433	1273 1516

REPORTED CASES AND DEATHS FROM CHICKENPOX IN NEW JERSEY

For the Calendar Year 1934 by Age Groups and Sex

AGE GROUPS	Male		Female		Total	
	Cases	Deaths	Cases	Deaths	Cases	Deaths
Under 1 year	149	0	175	0	324	0
1 year	268	0	233	0	501	0
2 years	367	0	353	1	720	1
3 years	428	0	428	0	856	0
4 years	542	0	523	0	1065	0
Under 5 years	1754	0	1712	1	3466	1
5 to 9 years	4747	0	4658	1	9405	1
10 to 14 years	571	0	560	0	1131	0
15 to 19 years	84	0	64	0	148	0
20 to 24 years	23	0	26	0	49	0
25 to 34 years	38	0	47	0	85	0
35 to 44 years	27	0	12	0	39	0
45 to 54 years	3	0	3	0	6	0
55 to 64 years	1	0	2	0	3	0
65 years and over	3	0	1	0	4	0
Age not stated	15	0	13	0	28	0
Total	7266	0	7098	2	14364	2

REPORTED CASES OF DIPHTHERIA IN NEW JERSEY

For the Calendar Year 1934 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	15	2	1	0	0	2	0	1	2	1	0	3 3
1 year	29	3	2	5	1	3	0	1	1	0	0	5 8
2 years	53	9	2	4	7	3	7	4	2	1	2	4 8
3 years	68	11	6	10	2	4	4	3	3	2	8	3 12
4 years	83	9	7	11	2	8	7	6	6	5	7	8 7
Under 5 years	248	34	18	30	12	20	18	15	14	9	17	23 88
5 to 9 years	331	37	26	18	20	31	24	14	16	22	36	42 45
10 to 14 years	116	11	7	5	8	14	14	4	3	6	13	12 19
15 to 19 years	40	2	4	6	1	2	5	5	2	2	2	4 5
20 to 24 years	44	8	2	5	7	0	3	2	3	1	2	2 9
25 to 34 years	39	5	5	4	6	2	4	2	0	0	4	3 4
35 to 44 years	12	2	1	1	0	1	1	2	0	0	0	3 1
45 to 54 years	11	1	1	4	2	1	0	0	0	0	0	1 1
55 to 64 years	4	0	0	0	1	2	0	0	0	0	0	0 0
65 years and over	1	0	0	1	0	0	0	0	0	0	1	0 0
Age unknown	4	0	0	0	0	0	2	0	1	0	0	1 0
Total	850	100	64	74	57	73	71	44	39	40	75	91 122

LOCAL HEALTH ADMINISTRATION

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REPORTED CASES AND DEATHS FROM DIPHTHERIA IN NEW JERSEY

For the Calendar Year 1934 by Age Groups and Sex

AGE GROUPS	Male		Female		Total	
	Cases	Deaths	Cases	Deaths	Cases	Deaths
Under 1 year	6	2	9	2	15	4
1 year	21	3	8	0	29	3
2 years	32	5	21	5	53	10
3 years	32	2	36	5	68	7
4 years	42	4	41	4	83	8
Under 5 years	133	16	115	16	248	32
5 to 9 years	181	6	150	9	331	15
10 to 14 years	49	1	67	2	116	3
15 to 19 years	10	1	30	2	40	3
20 to 24 years	16	0	28	0	44	0
25 to 34 years	12	0	27	1	39	1
35 to 44 years	4	0	8	0	12	0
45 to 54 years	3	0	8	0	11	0
55 to 64 years	1	1	3	0	4	1
65 years and over	0	0	1	1	1	1
Age not stated	1	0	3	0	4	0
Total	410	25	440	31	850	56

REPORTED CASES OF DYSENTERY IN NEW JERSEY

For the Calendar Year 1934 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	16	0	0	0	0	0	0	0	12	0	4	0	0
1 year	19	0	0	0	0	0	0	0	12	2	2	3	0
2 years	16	0	0	0	0	0	0	0	14	1	1	0	0
3 years	14	0	0	0	0	0	0	0	8	1	5	0	0
4 years	20	0	0	0	0	0	0	0	15	0	5	0	0
Under 5 years	85	0	0	0	0	0	0	0	61	4	17	3	0
5 to 9 years	52	1	0	0	0	0	0	0	36	3	9	2	0
10 to 14 years	19	0	0	0	1	0	0	0	11	1	6	0	0
15 to 19 years	13	0	0	0	0	0	0	0	10	0	2	1	0
20 to 24 years	14	2	0	1	0	0	0	0	8	1	2	0	0
25 to 34 years	19	1	1	0	1	0	1	0	12	1	2	0	0
35 to 44 years	22	5	0	1	1	0	1	0	10	0	4	0	0
45 to 54 years	7	0	0	0	0	0	0	0	6	1	0	0	0
55 to 64 years	10	1	2	0	1	1	0	0	1	4	0	0	0
65 years and over	4	0	0	0	0	0	0	0	3	0	1	0	0
Age not stated	2	0	0	0	0	0	0	0	0	0	2	0	0
Total	247	10	3	2	4	1	2	0	158	15	45	7	0

REPORTED CASES AND DEATHS FROM DYSENTERY IN NEW JERSEY

For the Calendar Year 1934 by Age Groups and Sex

AGE GROUPS	Male		Female		Total	
	Cases	Deaths	Cases	Deaths	Cases	Deaths
Under 1 year	10	1	6	2	16	3
1 year	9	1	10	0	19	1
2 years	11	0	5	0	16	0
3 years	9	1	5	0	14	1
4 years	12	2	8	0	20	2
Under 5 years	51	5	34	2	85	7
5 to 9 years	24	0	28	0	52	0
10 to 14 years	14	0	5	0	19	0
15 to 19 years	5	0	8	0	13	0
20 to 24 years	8	1	6	0	14	1
25 to 34 years	9	0	10	0	19	0
35 to 44 years	10	0	12	1	22	1
45 to 54 years	5	0	2	0	7	0
55 to 64 years	9	1	1	1	10	2
65 years and over	1	0	3	1	4	1
Age not stated	2	0	0	0	2	0
Total	138	7	109	5	247	12

DEPARTMENT OF HEALTH

REPORTED CASES OF EPIDEMIC CEREBROSPINAL MENINGITIS IN NEW JERSEY

For the Calendar Year 1934 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	12	2	1	2	0	1	0	2	1	1	0	1	1
1 year	1	0	0	0	0	0	0	0	0	0	0	0	1
2 years	2	0	1	0	1	0	0	0	0	0	0	0	0
3 years	3	1	0	0	0	0	1	0	0	1	0	0	0
4 years	2	1	0	0	0	0	1	0	0	0	0	0	0
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Under 5 years	20	4	2	2	1	1	2	2	1	2	0	1	2
5 to 9 years	10	0	0	0	4	0	2	0	0	1	1	1	1
10 to 14 years	5	0	1	1	0	1	0	1	0	0	1	0	0
15 to 19 years	4	2	0	0	1	0	0	1	0	0	0	0	0
20 to 24 years	3	0	0	1	0	0	2	0	0	0	0	0	0
25 to 34 years	3	0	0	1	0	0	0	0	0	0	1	1	0
35 to 44 years	2	0	0	0	0	0	1	0	0	0	0	0	1
45 to 54 years	4	1	0	0	0	1	0	0	1	0	0	1	0
55 to 64 years	1	0	0	1	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
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Total	52	7	3	6	6	3	7	4	2	3	3	4	4

REPORTED CASES AND DEATHS FROM EPIDEMIC CEREBROSPINAL MENINGITIS IN NEW JERSEY

For the Calendar Year 1934 by Age Groups and Sex

AGE GROUPS	Male		Female		Total	
	Cases	Deaths	Cases	Deaths	Cases	Deaths
Under 1 year	3	2	9	2	12	4
1 year	1	1	0	1	1	2
2 years	1	4	1	0	2	4
3 years	2	0	1	0	3	0
4 years	1	0	1	0	2	0
Under 5 years	8	7	12	3	20	10
5 to 9 years	5	2	5	2	10	4
10 to 14 years	3	0	2	0	5	0
15 to 19 years	2	1	2	1	4	2
20 to 24 years	3	1	0	0	3	1
25 to 34 years	2	1	1	0	3	1
35 to 44 years	2	0	0	0	2	0
45 to 54 years	4	2	0	0	4	2
55 to 64 years	0	0	1	0	1	0
65 years and over	0	0	0	0	0	0
Age not stated	0	0	0	0	0	0
Total	29	14	23	6	52	20

REPORTED CASES OF GERMAN MEASLES IN NEW JERSEY

For the Calendar Year 1934 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	66	5	1	6	10	5	13	9	6	3	4	1	3
1 year	106	3	2	9	14	16	19	22	8	2	6	1	4
2 years	96	2	2	5	12	24	26	5	7	4	3	1	5
3 years	86	2	0	6	8	19	24	11	10	2	0	3	1
4 years	100	1	1	5	10	29	34	10	1	3	3	2	1
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Under 5 years	454	13	6	31	54	93	116	57	32	14	16	8	14
5 to 9 years	2210	4	12	119	325	782	865	48	2	4	11	21	17
10 to 14 years	1026	5	6	48	184	414	327	16	3	4	1	5	13
15 to 19 years	246	1	1	33	35	117	53	3	0	0	0	0	3
20 to 24 years	59	0	1	3	13	22	14	6	0	0	0	0	0
25 to 34 years	38	1	0	0	8	17	6	4	1	0	1	0	0
35 to 44 years	12	1	0	0	1	5	5	0	0	0	0	0	0
45 to 54 years	1	0	0	1	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	7	0	0	1	1	2	1	0	0	0	0	1	1
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Total	4053	25	26	236	621	1452	1387	134	38	22	29	35	48

LOCAL HEALTH ADMINISTRATION

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REPORTED CASES AND DEATHS FROM GERMAN MEASLES IN NEW JERSEY

For the Calendar Year 1934 by Age Groups and Sex

AGE GROUPS	Male		Female		Total	
	Cases	Deaths	Cases	Deaths	Cases	Deaths
Under 1 year	31	0	35	0	66	0
1 year	43	0	63	0	106	0
2 years	50	1	46	0	96	1
3 years	37	0	49	0	86	0
4 years	48	0	52	0	100	0
Under 5 years	209	1	245	0	454	1
5 to 9 years	1072	0	1138	0	2210	0
10 to 14 years	511	0	515	0	1026	0
15 to 19 years	123	0	123	0	246	0
20 to 24 years	25	0	34	0	59	0
25 to 34 years	8	0	30	0	38	0
35 to 44 years	2	0	10	0	12	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	2	0	5	0	7	0
Total	1953	1	2100	0	4053	1

REPORTED CASES OF INFLUENZA IN NEW JERSEY

For the Calendar Year 1934 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	20	0	3	1	2	2	3	0	1	2	0	1	5
1 year	48	4	2	2	4	7	1	0	2	2	4	3	17
2 years	38	2	0	3	2	1	0	1	0	2	6	1	20
3 years	51	1	0	4	2	2	3	0	2	1	4	5	27
4 years	61	2	3	3	2	4	1	0	1	2	6	3	34
Under 5 years	218	9	8	13	12	16	8	1	6	9	20	13	103
5 to 9 years	266	9	8	2	16	16	1	2	5	2	9	16	180
10 to 14 years	140	5	4	0	3	1	3	0	6	5	3	6	104
15 to 19 years	132	11	5	6	3	11	1	1	3	0	2	5	84
20 to 24 years	109	11	6	7	5	5	1	0	6	2	2	6	58
25 to 34 years	235	15	12	11	5	10	4	0	3	4	18	18	135
35 to 44 years	244	17	16	14	10	7	1	0	4	7	12	11	145
45 to 54 years	180	17	15	14	17	6	0	0	1	2	11	5	92
55 to 64 years	99	18	14	11	6	0	2	0	0	1	1	7	39
65 years and over	63	10	6	7	1	2	1	2	1	1	3	3	26
Age not stated	9	0	0	0	0	0	0	0	0	0	0	0	9
Total	1695	122	94	85	78	74	22	6	35	33	81	90	975

REPORTED CASES AND DEATHS FROM INFLUENZA IN NEW JERSEY

For the Calendar Year 1934 by Age Groups and Sex

AGE GROUPS	Male		Female		Total	
	Cases	Deaths	Cases	Deaths	Cases	Deaths
Under 1 year	9	7	11	6	20	13
1 year	23	4	25	2	48	6
2 years	22	0	16	1	38	1
3 years	30	1	21	1	51	2
4 years	30	0	31	1	61	1
Under 5 years	114	12	104	11	218	23
5 to 9 years	134	2	132	6	266	8
10 to 14 years	73	6	67	5	140	11
15 to 19 years	72	5	60	5	132	10
20 to 24 years	34	3	75	5	109	8
25 to 34 years	100	17	135	9	235	26
35 to 44 years	111	22	133	12	244	34
45 to 54 years	94	31	86	25	180	56
55 to 64 years	47	22	52	20	99	42
65 years and over	28	47	35	44	63	91
Age not stated	3	0	6	0	9	0
Total	810	167	885	142	1695	309

DEPARTMENT OF HEALTH

REPORTED CASES OF LETHARGIC ENCEPHALITIS IN NEW JERSEY

For the Calendar Year 1934 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	1	0	0	0	1	0	0	0	0	0	0	0	0
2 years	1	0	0	0	0	1	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
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Under 5 years	2	0	0	0	1	1	0	0	0	0	0	0	0
5 to 9 years	3	0	1	0	0	0	0	0	0	0	0	1	1
10 to 14 years	1	0	0	0	0	0	0	0	0	1	0	0	0
15 to 19 years	6	0	2	0	0	0	1	0	2	1	0	0	0
20 to 24 years	6	2	1	0	1	0	0	0	0	1	0	0	1
25 to 34 years	2	0	0	0	0	0	1	1	0	0	0	0	0
35 to 44 years	7	0	1	0	2	1	0	0	0	0	0	1	2
45 to 54 years	3	0	0	0	1	0	0	0	0	1	1	0	0
55 to 64 years	6	0	1	0	0	0	0	1	0	2	2	0	0
65 years and over	2	0	1	0	0	0	1	0	0	0	0	0	0
Age unknown	2	0	1	0	0	0	0	0	0	0	0	0	1
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Total	40	2	8	0	4	3	3	2	2	6	3	2	5

REPORTED CASES AND DEATHS FROM LETHARGIC ENCEPHALITIS IN NEW JERSEY

For the Calendar Year 1934 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	1	1	1	1
2 years	0	0	1	0	1	0
3 years	0	0	0	0	0	0
4 years	0	0	0	0	0	0
Under 5 years	0	0	2	1	2	1
5 to 9 years	2	2	1	0	3	2
10 to 14 years	0	0	1	0	1	0
15 to 19 years	6	3	0	1	6	4
20 to 24 years	4	0	2	3	6	3
25 to 34 years	0	1	2	2	2	3
35 to 44 years	4	5	3	0	7	5
45 to 54 years	1	1	2	1	3	2
55 to 64 years	4	4	2	1	6	5
65 years and over	0	0	2	2	2	2
Age not stated	0	0	2	0	2	0
Total	21	16	19	11	40	27

REPORTED CASES OF MEASLES IN NEW JERSEY

For the Calendar Year 1934 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	270	19	18	40	59	48	31	19	13	4	4	8	7
1 year	636	32	49	74	137	144	90	45	18	8	7	15	17
2 years	826	45	73	124	157	185	143	54	9	9	9	7	11
3 years	1027	69	98	148	212	232	150	68	14	5	3	12	16
4 years	1138	68	118	165	217	236	213	66	17	2	2	12	22
Under 5 years	3897	233	356	551	782	845	627	252	71	28	25	54	73
5 to 9 years	9026	421	951	1549	1718	2045	1784	266	33	27	41	95	96
10 to 14 years	1731	99	149	242	329	449	356	51	13	3	6	17	17
15 to 19 years	273	8	53	52	60	55	35	5	0	0	0	3	2
20 to 24 years	76	7	6	4	10	24	17	4	1	0	0	2	1
25 to 34 years	69	3	7	8	6	13	21	1	2	1	1	0	6
35 to 44 years	23	3	8	1	4	4	3	0	0	0	0	0	0
45 to 54 years	13	1	2	1	3	3	2	1	0	0	0	0	0
55 to 64 years	2	0	0	1	0	1	0	0	0	0	0	0	0
65 years and over	3	0	0	2	0	1	0	0	0	0	0	0	0
Age not stated	42	1	5	6	8	10	9	2	0	0	1	0	0
Total	15155	776	1537	2417	2920	3450	2854	582	120	59	74	171	195

LOCAL HEALTH ADMINISTRATION

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REPORTED CASES AND DEATHS FROM MEASLES IN NEW JERSEY

For the Calendar Year 1934 by Age Groups and Sex

AGE GROUPS	Male		Female		Total	
	Cases	Deaths	Cases	Deaths	Cases	Deaths
Under 1 year	142	3	128	2	270	5
1 year	307	10	329	4	636	14
2 years	405	4	421	5	826	9
3 years	504	3	523	2	1027	5
4 years	508	0	570	2	1138	2
Under 5 years	1926	20	1971	15	3897	35
5 to 9 years	4504	3	4522	6	9026	9
10 to 14 years	857	2	874	3	1731	5
15 to 19 years	151	0	122	0	273	0
20 to 24 years	27	0	49	0	76	0
25 to 34 years	26	0	43	0	69	0
35 to 44 years	11	0	12	0	23	0
45 to 54 years	7	0	6	0	13	0
55 to 64 years	0	0	2	0	2	0
65 years and over	1	0	2	1	3	1
Age not stated	21	0	21	0	42	0
Total	7531	25	7624	25	15155	50

REPORTED CASES OF MUMPS IN NEW JERSEY

For the Calendar Year 1934 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	14	5	2	1	2	1	0	1	0	0	1	1	0
1 year	59	10	7	5	7	5	10	3	2	3	1	5	1
2 years	88	11	2	10	13	9	11	4	2	2	12	5	7
3 years	103	12	5	10	10	9	9	8	3	5	8	15	9
4 years	136	12	13	13	17	14	9	10	4	8	15	11	15
Under 5 years	400	50	29	39	49	38	39	26	11	13	37	37	32
5 to 9 years	1990	194	183	281	252	280	182	52	23	24	127	235	157
10 to 14 years	588	46	64	83	101	98	36	18	16	7	22	60	37
15 to 19 years	92	5	12	9	21	13	5	6	0	3	3	8	7
20 to 24 years	52	1	4	4	6	8	2	2	3	1	3	10	8
25 to 34 years	66	4	10	5	5	14	7	0	3	0	2	6	10
35 to 44 years	31	2	1	2	4	6	2	2	2	1	2	5	2
45 to 54 years	7	1	0	0	1	0	0	0	0	1	0	3	1
55 to 64 years	6	1	0	0	3	1	0	0	0	1	0	0	0
65 years and over	3	0	0	1	1	0	0	0	0	0	0	0	1
Age not stated	11	0	0	1	3	0	2	2	0	0	1	1	1
Total	3246	304	303	425	446	458	275	108	58	51	197	365	256

REPORTED CASES AND DEATHS FROM MUMPS IN NEW JERSEY

For the Calendar Year 1934 by Age Groups and Sex

AGE GROUPS	Male		Female		Total	
	Cases	Deaths	Cases	Deaths	Cases	Deaths
Under 1 year	8	0	6	1	14	1
1 year	36	1	23	0	59	1
2 years	46	0	42	0	88	0
3 years	56	0	47	0	103	0
4 years	75	0	61	0	136	0
Under 5 years	221	1	179	1	400	2
5 to 9 years	1042	0	948	0	1990	0
10 to 14 years	318	0	270	0	588	0
15 to 19 years	57	0	35	0	92	0
20 to 24 years	17	0	35	0	52	0
25 to 34 years	32	0	34	0	66	0
35 to 44 years	15	0	16	0	31	0
45 to 54 years	4	0	3	0	7	0
55 to 64 years	2	0	4	0	6	0
65 years and over	2	0	1	1	3	1
Age not stated	5	0	6	0	11	0
Total	1715	1	1531	2	3246	3

DEPARTMENT OF HEALTH

REPORTED CASES OF PARA-TYPHOID FEVER IN NEW JERSEY

For the Calendar Year 1934 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	1	0	0	0	1	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	1	0	0	0	1	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	2	0	0	0	0	0	0	0	2	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	0	0	0	0	0	2	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	4	0	0	0	0	0	0	0	4	0	0	0	0
Age not stated	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	9	0	0	0	1	0	0	0	6	2	0	0	0

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

For the Calendar Year 1934 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	1	0	1	0
4 years	0	0	0	0	0	0
Under 5 years	0	0	1	0	1	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	2	1	0	0	2	1
20 to 24 years	0	0	0	0	0	0
25 to 34 years	1	1	1	1	2	2
35 to 44 years	0	0	0	0	0	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	4	3	0	0	4	3
Age not stated	0	0	0	0	0	0
Total	7	5	2	1	9	6

REPORTED CASES OF PNEUMONIA IN NEW JERSEY

For the Calendar Year 1934 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	415	39	32	53	69	83	24	9	9	14	21	24	38
1 year	288	28	36	29	55	46	19	11	5	8	9	12	30
2 years	206	19	13	23	44	42	8	9	6	2	8	13	19
3 years	165	23	10	18	40	22	11	7	6	3	5	6	14
4 years	156	11	19	22	37	19	7	3	7	6	7	5	13
Under 5 years	1230	120	110	145	245	212	69	39	33	33	50	60	114
5 to 9 years	522	43	54	62	95	90	29	12	10	6	20	32	69
10 to 14 years	188	19	27	20	16	16	7	7	8	8	4	12	44
15 to 19 years	150	14	20	14	22	10	7	4	7	3	6	6	37
20 to 24 years	182	25	27	25	20	10	9	6	10	7	5	8	30
25 to 34 years	422	60	65	51	35	35	9	13	9	14	19	36	76
35 to 44 years	469	70	79	59	39	41	15	8	11	17	25	30	75
45 to 54 years	531	77	77	87	47	33	27	12	16	14	30	42	66
55 to 64 years	449	73	74	69	47	42	14	8	11	8	15	29	59
65 years and over	656	99	80	89	65	51	27	23	19	21	34	49	99
Age not stated	15	2	0	4	5	0	0	1	0	1	0	2	0
Total	4814	602	613	625	636	543	213	133	134	132	208	306	669

LOCAL HEALTH ADMINISTRATION

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REPORTED CASES AND DEATHS FROM PNEUMONIA IN NEW JERSEY

For the Calendar Year 1934 by Age Groups and Sex

AGE GROUPS	Male		Female		Total	
	Cases	Deaths	Cases	Deaths	Cases	Deaths
Under 1 year	229	255	186	183	415	438
1 year	176	62	112	49	288	111
2 years	100	24	106	29	206	53
3 years	89	11	76	16	165	27
4 years	85	12	71	12	156	24
Under 5 years	679	364	551	289	1230	653
5 to 9 years	301	36	221	26	522	62
10 to 14 years	106	24	82	22	188	46
15 to 19 years	91	26	59	13	150	39
20 to 24 years	100	29	82	15	182	44
25 to 34 years	251	86	171	74	422	160
35 to 44 years	315	186	154	99	469	285
45 to 54 years	350	229	181	126	531	355
55 to 64 years	262	235	187	159	449	394
65 years and over	313	369	343	395	656	764
Age not stated	10	0	5	0	15	0
Total	2778	1584	2036	1218	4814	2802

REPORTED CASES OF ACUTE ANTERIOR POLIOMYELITIS IN NEW JERSEY

For the Calendar Year 1934 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	3	0	0	0	0	0	0	0	1	1	0	0	1
1 year	5	0	0	1	0	0	1	0	0	2	1	0	0
2 years	4	0	0	0	0	1	0	1	0	1	0	1	0
3 years	3	0	0	0	0	0	1	0	2	0	0	0	0
4 years	5	0	0	0	0	0	1	2	0	2	0	0	0
<hr/>													
Under 5 years	20	0	0	1	0	1	3	3	3	6	1	1	1
5 to 9 years	23	1	0	0	1	1	2	3	10	5	0	0	0
10 to 14 years	7	0	1	0	0	0	0	1	4	1	0	0	0
15 to 19 years	5	0	0	0	0	0	1	1	2	0	0	0	1
20 to 24 years	2	0	0	0	0	0	0	0	0	2	0	0	0
25 to 34 years	4	1	0	0	0	0	1	0	2	0	0	0	0
35 to 44 years	1	0	0	0	0	0	0	0	0	0	0	0	1
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
<hr/>													
Total	62	2	1	1	1	2	7	8	21	14	1	1	3

REPORTED CASES AND DEATHS FROM ACUTE ANTERIOR POLIOMYELITIS IN NEW JERSEY

For the Calendar Year 1934 by Age Groups and Sex

AGE GROUPS	Male		Female		Total	
	Cases	Deaths	Cases	Deaths	Cases	Deaths
Under 1 year	1	0	2	0	3	0
1 year	2	0	3	2	5	2
2 years	1	0	3	1	4	1
3 years	2	0	1	0	3	0
4 years	2	0	3	0	5	0
Under 5 years	8	0	12	3	20	3
5 to 9 years	11	3	12	0	23	3
10 to 14 years	6	1	1	0	7	1
15 to 19 years	5	1	0	0	5	1
20 to 24 years	0	1	2	1	2	2
25 to 34 years	1	1	3	1	4	2
35 to 44 years	1	0	0	0	1	0
45 to 54 years	0	0	0	1	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	52	7	30	6	62	13

DEPARTMENT OF HEALTH

REPORTED CASES OF SCARLET FEVER IN NEW JERSEY

For the Calendar Year 1934 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	26	4	5	3	4	1	1	1	0	0	0	2 5
1 year	112	22	18	11	16	16	6	2	4	1	5	6 5
2 years	249	28	28	39	48	28	15	11	3	4	12	12 21
3 years	411	81	45	53	63	41	25	14	11	6	19	21 30
4 years	500	77	64	67	68	51	33	13	13	8	24	41 41
Under 5 years	1298	212	160	173	201	137	80	41	31	19	60	82 102
5 to 9 years	2897	353	322	426	379	399	185	71	34	64	203	232 244
10 to 14 years	1213	129	177	164	161	165	76	27	17	25	54	88 117
15 to 19 years	288	43	38	58	38	33	13	4	3	2	13	17 26
20 to 24 years	147	23	23	28	20	17	7	2	2	4	5	10 6
25 to 34 years	228	31	29	33	41	27	11	3	2	4	5	22 20
35 to 44 years	95	15	12	15	14	8	5	0	2	4	3	7 10
45 to 54 years	38	3	8	7	7	2	2	0	0	1	1	3 4
55 to 64 years	7	0	0	1	4	2	0	0	0	0	0	0 0
65 years and over	3	0	0	0	0	0	3	0	0	0	0	0 0
Age not stated	20	1	4	5	2	1	1	0	0	0	3	1 2
Total	6234	820	773	904	861	791	383	148	91	123	347	462 531

REPORTED CASES AND DEATHS FROM SCARLET FEVER IN NEW JERSEY

For the Calendar Year 1934 by Age Groups and Sex

AGE GROUPS	Male		Female		Total	
	Cases	Deaths	Cases	Deaths	Cases	Deaths
Under 1 year	11	0	15	0	26	0
1 year	54	3	58	2	112	5
2 years	127	0	122	5	249	5
3 years	206	1	205	7	411	8
4 years	269	2	240	5	500	7
Under 5 years	458	6	640	19	1298	25
5 to 9 years	1329	11	1568	8	2897	19
10 to 14 years	620	2	593	4	1213	6
15 to 19 years	143	3	145	2	288	5
20 to 24 years	46	0	101	2	147	2
25 to 34 years	78	1	150	3	228	4
35 to 44 years	34	0	61	0	95	0
45 to 54 years	19	1	28	0	38	1
55 to 64 years	2	1	5	0	7	1
65 years and over	1	0	2	1	3	1
Age not stated	9	0	11	0	20	0
Total	2930	25	3304	39	6234	64

REPORTED CASES OF TETANUS IN NEW JERSEY

For the Calendar Year 1934 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	2	0	0	0	0	0	0	0	1	0	1	0 0
Under 5 years	2	0	0	0	0	0	0	0	1	0	1	0 0
5 to 9 years	2	0	0	0	0	0	0	0	0	0	1	0 1
10 to 14 years	6	0	0	0	0	0	1	0	4	0	0	1 0
15 to 19 years	1	0	0	0	0	1	0	0	0	0	0	0 0
20 to 24 years	1	0	0	0	0	0	0	0	0	0	1	0 0
25 to 34 years	1	1	0	0	0	0	0	0	0	0	0	0 0
35 to 44 years	1	0	0	0	0	0	0	1	0	0	0	0 0
45 to 54 years	1	0	0	1	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	15	1	0	1	0	1	1	1	5	0	3	1 1

LOCAL HEALTH ADMINISTRATION

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REPORTED CASES AND DEATHS FROM TETANUS IN NEW JERSEY

For the Calendar Year 1934 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	2	1	2	1
Under 5 years	0	9	2	1	2	1
5 to 9 years	2	3	0	2	2	5
10 to 14 years	6	6	0	0	6	6
15 to 19 years	1	2	0	0	1	2
20 to 24 years	0	1	1	0	1	1
25 to 34 years	0	0	1	0	1	0
35 to 44 years	1	1	0	1	1	2
45 to 54 years	1	2	0	1	1	3
55 to 64 years	0	2	0	0	0	2
65 years and over	0	1	0	0	0	1
Age not stated	0	0	0	0	0	0
Total	11	18	4	5	15	23

REPORTED CASES OF TRACHOMA IN NEW JERSEY

For the Calendar Year 1934 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	2	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	2	0	0	2	0	0	0	0	0	0	0	0	0
5 to 9 years	4	0	0	3	0	0	0	0	1	0	0	0	0
10 to 14 years	2	0	0	0	0	0	0	1	1	0	0	0	0
15 to 19 years	1	0	0	0	0	0	0	1	0	0	0	0	0
20 to 24 years	1	0	0	0	0	0	0	0	0	0	1	0	0
25 to 34 years	2	0	0	0	0	0	0	0	0	1	0	1	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	12	0	0	5	0	0	0	2	2	1	1	1	0

REPORTED CASES AND DEATHS FROM TRACHOMA IN NEW JERSEY

For the Calendar Year 1934 by Age Groups and Sex

AGE GROUPS	Male		Female		Total	
	Cases	Deaths	Cases	Deaths	Cases	Deaths
Under 1 year	0	0	2	0	2	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	2	0	2	0
5 to 9 years	2	0	2	0	4	0
10 to 14 years	2	0	0	0	2	0
15 to 19 years	1	0	0	0	1	0
20 to 24 years	0	0	1	0	1	0
25 to 34 years	1	0	1	0	2	0
35 to 44 years	0	0	0	0	0	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	0	0	0	0	0	0
Age not stated	0	0	0	0	0	0
Total	6	0	6	0	12	0

DEPARTMENT OF HEALTH

REPORTED CASES OF TRICHINOSIS IN NEW JERSEY

For the Calendar Year 1934 by Age Groups and Months

AGE GROUPS	NUMBER OF CASES												
	Total	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
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	2	0	2	0	0	0	0	0	0	0	0	0	0
15 to 19 years	6	0	3	0	0	0	0	1	0	0	1	0	1
20 to 24 years	11	1	1	2	2	0	1	0	0	1	1	0	2
25 to 34 years	10	1	2	0	2	0	0	2	0	0	1	1	1
35 to 44 years	5	0	3	0	1	0	0	0	0	0	1	0	0
45 to 54 years	2	0	1	0	0	0	0	0	0	0	0	0	1
55 to 64 years	5	1	2	0	1	0	1	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	41	3	14	2	6	0	2	3	0	1	4	1	5

REPORTED CASES AND DEATHS FROM TRICHINOSIS IN NEW JERSEY

For the Calendar Year 1934 by Age Groups and Sex

AGE GROUPS	Male		Female		Total	
	Cases	Deaths	Cases	Deaths	Cases	Deaths
Under 5 years	0	0	0	0	0	0
5 to 9 years	0	0	0	0	0	0
10 to 14 years	1	0	1	0	2	0
15 to 19 years	3	1	3	0	6	1
20 to 24 years	7	1	4	1	11	2
25 to 34 years	4	0	6	0	10	0
35 to 44 years	2	0	3	0	5	0
45 to 54 years	1	0	1	1	2	1
55 to 64 years	1	0	4	1	5	1
65 years and over	0	0	0	0	0	0
Age not stated	0	0	0	0	0	0
Total	19	2	22	3	41	5

REPORTED CASES OF TUBERCULOSIS IN NEW JERSEY

For the Calendar Year 1934 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	11	1	1	1	4	0	1	1	0	1	0	0	1
1 year	22	4	1	0	1	2	4	2	2	2	0	2	2
2 years	17	1	2	2	1	3	0	4	0	2	2	0	0
3 years	14	1	0	0	3	2	0	2	2	3	1	0	0
4 years	9	0	0	1	1	1	0	0	0	1	1	1	3
Under 5 years	73	7	4	4	10	8	5	9	4	9	4	3	6
5 to 9 years	139	9	8	14	16	11	16	16	11	20	5	8	5
10 to 14 years	231	20	18	14	21	17	21	36	18	28	12	15	11
15 to 19 years	348	35	17	34	33	44	38	31	28	25	15	22	26
20 to 24 years	532	49	31	46	48	50	46	36	48	50	60	34	34
25 to 34 years	985	72	70	96	102	92	75	95	65	75	97	71	75
35 to 44 years	731	56	62	73	75	68	72	51	54	42	67	49	62
45 to 54 years	537	47	36	56	57	43	56	38	43	31	36	48	46
55 to 64 years	355	30	30	31	42	32	34	32	23	22	28	24	27
65 years and over	142	18	11	13	8	12	14	10	13	9	9	12	13
Age not stated	21	2	1	0	3	2	0	5	0	2	3	0	3
Total	4094	345	288	381	415	379	377	359	307	313	336	286	308

LOCAL HEALTH ADMINISTRATION

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REPORTED CASES AND DEATHS FROM TUBERCULOSIS IN NEW JERSEY

For the Calendar Year 1934 by Age Groups and Sex

AGE GROUPS	Male		Female		Total	
	Cases	Deaths	Cases	Deaths	Cases	Deaths
Under 1 year	8	4	3	4	11	8
1 year	13	8	9	13	22	21
2 years	7	12	10	3	17	15
3 years	9	6	5	2	14	8
4 years	7	2	2	0	9	2
Under 5 years	44	32	29	22	73	54
5 to 9 years	89	5	59	4	139	9
10 to 14 years	109	10	122	18	231	28
15 to 19 years	142	42	206	77	348	119
20 to 24 years	208	103	324	144	532	247
25 to 34 years	500	225	485	254	985	479
35 to 44 years	458	281	273	170	731	451
45 to 54 years	396	309	141	104	537	413
55 to 64 years	235	189	90	85	335	274
65 years and over	81	91	61	65	142	156
Age not stated	8	0	13	0	21	0
Total	2291	1287	1803	943	4094	2230

REPORTED CASES OF TYPHOID FEVER IN NEW JERSEY

For the Calendar Year 1934 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	1	0	0	0	0	0	0	1	0	0	0	0	0
1 year	0	0	0	0	0	0	0	0	0	0	0	0	0
2 years	1	0	0	0	1	0	0	0	0	0	0	0	0
3 years	3	0	0	0	0	0	1	0	1	1	0	0	0
4 years	8	2	0	0	0	0	0	4	0	0	1	1	0
Under 5 years	13	2	0	0	1	0	1	5	1	1	1	1	0
5 to 9 years	26	0	2	0	1	4	2	7	2	3	4	1	0
10 to 14 years	35	4	1	1	1	2	2	2	4	4	7	5	2
15 to 19 years	33	3	2	0	0	1	4	7	3	3	3	6	1
20 to 24 years	33	1	0	2	2	0	4	4	5	9	1	2	3
25 to 34 years	61	5	3	4	1	0	6	8	10	8	9	3	4
35 to 44 years	34	3	0	2	3	2	3	4	6	3	2	5	1
45 to 54 years	24	2	1	1	2	2	2	2	1	5	5	1	0
55 to 64 years	11	1	1	1	0	0	1	3	2	0	2	0	0
65 years and over	3	0	0	0	0	0	0	0	1	0	0	1	1
Age not stated	4	0	0	0	0	1	0	0	0	1	2	0	0
Total	277	21	10	11	11	12	25	42	35	37	36	25	12

REPORTED CASES AND DEATHS FROM TYPHOID FEVER IN NEW JERSEY

For the Calendar Year 1934 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	0	0	0	0	0	0
2 years	0	0	1	0	1	0
3 years	2	0	1	0	3	0
4 years	2	0	6	0	8	0
Under 5 years	4	0	9	0	13	0
5 to 9 years	16	0	10	0	26	0
10 to 14 years	23	1	12	1	35	2
15 to 19 years	16	1	17	2	33	3
20 to 24 years	11	3	22	3	33	6
25 to 34 years	38	8	23	1	61	9
35 to 44 years	14	1	20	2	34	3
45 to 54 years	13	3	11	3	24	6
55 to 64 years	6	0	5	2	11	2
65 years and over	1	1	2	0	3	1
Age not stated	1	0	3	0	4	0
Total	143	18	134	14	277	32

DEPARTMENT OF HEALTH

REPORTED CASES OF UNDULANT FEVER IN NEW JERSEY

For the Calendar Year 1934 by Age Groups and Months

AGE GROUPS	NUMBER OF CASES												
	Total	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
Under 5 years	0	0	0	0	0	0	0	0	0	0	0	0	0
5 to 9 years	2	0	0	1	0	0	0	1	0	0	0	0	0
10 to 14 years	5	1	1	0	1	1	0	1	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	1	0	0	0	0	0	0	0	0	0	0	0	1
25 to 34 years	5	0	0	1	1	1	0	0	0	1	0	0	1
35 to 44 years	7	1	0	0	2	2	0	1	0	0	0	1	0
45 to 54 years	2	0	1	0	0	0	1	0	0	0	0	0	0
55 to 64 years	4	0	0	1	0	0	1	0	0	1	1	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	27	2	2	3	5	4	2	3	0	2	1	1	2

REPORTED CASES AND DEATHS FROM UNDULANT FEVER IN NEW JERSEY

For the Calendar Year 1934 by Age Groups and Sex

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

REPORTED CASES OF WHOOPING COUGH IN NEW JERSEY

For the Calendar Year 1934 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	572	43	33	56	42	46	37	59	42	55	54	46	59	
1 year	796	50	39	60	66	70	61	72	107	56	65	60	90	
2 years	1056	64	58	80	93	93	90	100	122	93	78	93	94	
3 years	1165	72	64	72	97	105	109	136	120	89	83	96	122	
4 years	1229	89	61	105	110	112	94	123	90	94	99	109	143	
Under 5 years	4818	318	255	373	408	426	391	490	481	387	377	404	508	
5 to 9 years	4541	394	272	481	484	430	389	334	241	210	279	488	539	
10 to 14 years	369	32	35	37	52	39	35	22	17	22	10	27	41	
15 to 19 years	42	2	3	2	11	4	4	0	1	3	4	2	6	
20 to 24 years	14	3	0	2	4	2	0	0	0	0	1	0	2	
25 to 34 years	38	2	1	4	5	1	1	5	3	4	3	3	6	
35 to 44 years	12	1	0	0	0	5	1	1	1	1	0	2	0	
45 to 54 years	3	0	0	1	0	1	0	1	0	0	0	0	0	
55 to 64 years	2	0	0	0	0	0	1	0	1	0	0	0	0	
65 years and over	6	0	0	0	1	1	1	0	0	2	1	0	0	
Age not stated	23	2	0	1	1	1	0	4	6	0	3	1	4	
Total	9868	754	566	901	966	910	823	857	751	629	678	927	1106	

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REPORTED CASES AND DEATHS FROM WHOOPING COUGH IN NEW JERSEY

For the Calendar Year 1934 by Age Groups and Sex

AGE GROUPS	Male—		Female—		Total—	
	Cases	Deaths	Cases	Deaths	Cases	Deaths
Under 1 year	283	20	289	22	572	42
1 year	409	7	387	2	796	9
2 years	478	2	578	6	1056	8
3 years	529	0	636	1	1165	1
4 years	609	0	629	2	1229	2
Under 5 years	2299	29	2519	33	4818	62
5 to 9 years	2157	0	2384	1	4541	1
10 to 14 years	165	0	204	0	369	0
15 to 19 years	18	0	24	0	42	0
20 to 24 years	6	0	8	0	14	0
25 to 34 years	11	0	27	0	38	0
35 to 44 years	5	0	9	0	12	0
45 to 54 years	0	0	3	0	3	0
55 to 64 years	1	0	1	0	2	0
65 years and over	1	0	5	0	6	0
Age not stated	12	0	11	0	23	0
Total	4673	29	5195	34	9868	63

DEPARTMENT OF HEALTH

REPORTED CASES AND DEATHS FROM CHICKENPOX AND DIPHTHERIA
BY COUNTIES FOR 1934

COUNTIES	CHICKENPOX			DIPHTHERIA				
	Cases	Cases per 1000 Pop.	Deaths	Cases	Cases per 1000 Pop.	Deaths	Deaths per 1000 Pop.	Percent Fatality
Atlantic	145	1.10	0	2	0.01	0	....	....
Bergen	1710	4.37	0	103	0.26	15	0.04	14.56
Burlington	237	2.48	0	11	0.11	0	....	....
Camden	279	1.09	0	59	0.22	5	0.02	8.47
Cape May	62	1.28	0	2	0.06	1	0.03	50.00
Cumberland	62	0.87	0	38	0.53	4	0.05	10.52
Essex	5979	6.91	0	38	0.04	1	0.001	2.63
Gloucester	130	1.74	0	18	0.24	2	0.02	11.11
Hudson	748	1.46	2	391	0.55	13	0.02	3.32
Hunterdon	45	1.28	0	4	0.11	0	....	....
Mercer	403	2.10	0	15	0.08	1	0.005	6.66
Middlesex	270	0.35	0	23	0.10	2	0.01	8.69
Monmouth	538	3.48	0	4	0.02	1	0.006	25.00
Morris	868	7.53	0	11	0.09	2	0.01	18.18
Ocean	64	1.83	0	3	0.08	0	....	....
Passaic	1017	3.28	0	80	0.26	6	0.02	7.50
Salem	42	1.14	0	0	....	0	....	....
Somerset	197	2.89	0	10	0.14	1	0.01	10.00
Sussex	83	2.93	0	2	0.07	0	....	....
Union	1705	5.27	0	32	0.10	2	0.006	6.25
Warren	22	0.44	0	4	0.08	0	....	....
State	14364	3.39	2	850	0.20	56	0.01	6.59

REPORTED CASES AND DEATHS FROM DYSENTERY, TRACHOMA, OPHTHALMIA
NEONATORUM AND PARATYPHOID FEVER BY COUNTIES FOR 1934

COUNTIES	DYSENTERY		TRACHOMA		OPHTHALMIA NEONATORUM		PARATYPHOID FEVER	
	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths
Atlantic	3	0	0	0	0	0	0	0
Bergen	12	0	0	0	2	0	0	0
Burlington	0	0	0	0	0	0	0	0
Camden	2	2	1	0	1	0	0	0
Cape May	0	0	0	0	0	0	0	0
Cumberland	0	0	0	0	0	0	0	0
Essex	9	1	5	0	9	0	1	0
Gloucester	1	0	0	0	0	0	0	0
Hudson	203	4	0	0	1	0	0	0
Hunterdon	1	0	0	0	0	0	0	0
Mercer	3	1	4	0	2	0	1	0
Middlesex	2	0	0	0	0	0	0	0
Monmouth	2	0	0	0	0	0	7	5
Morris	3	1	0	0	1	0	0	0
Ocean	0	0	0	0	0	0	0	0
Passaic	3	2	1	0	2	0	0	0
Salem	2	1	0	0	0	0	0	0
Somerset	0	0	0	0	0	0	0	0
Sussex	0	0	0	0	0	0	0	0
Union	1	0	1	0	2	0	0	1
Warren	0	0	0	0	0	0	0	0
State	247	12	12	0	20	0	9	6

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REPORTED CASES AND DEATHS FROM INFLUENZA AND PNEUMONIA
BY COUNTIES FOR 1934

COUNTIES	INFLUENZA				PNEUMONIA			
	Cases	Cases per 1000 Pop.	Deaths	Deaths per 1000 Pop.	Cases	Cases per 1000 Pop.	Deaths	Deaths per 1000 Pop.
Atlantic	5	0.03	18	0.13	104	0.79	114	0.86
Bergen	152	0.39	19	0.05	440	1.12	201	0.51
Burlington	130	1.36	15	0.15	55	0.57	56	0.58
Camden	69	0.26	26	0.10	307	1.16	237	0.90
Cape May	107	3.43	2	0.06	13	0.41	24	0.77
Cumberland	4	0.05	7	0.10	32	0.45	34	0.47
Essex	521	0.60	40	0.04	2454	2.84	570	0.66
Gloucester	22	0.29	12	0.16	27	0.36	39	0.52
Hudson	402	0.57	38	0.05	335	0.47	510	0.72
Hunterdon	6	0.17	6	0.17	14	0.40	22	0.63
Mercer	76	0.39	13	0.06	178	0.93	129	0.67
Middlesex	0	....	16	0.07	61	0.27	123	0.55
Monmouth	9	0.06	10	0.06	178	1.15	111	0.72
Morris	52	0.45	10	0.08	210	1.82	88	0.76
Ocean	1	0.03	5	0.14	8	0.23	20	0.57
Passaic	131	0.42	25	0.08	79	0.25	186	0.60
Salem	0	....	8	0.21	3	0.08	20	0.70
Somerset	0	....	3	0.04	58	0.85	45	0.66
Sussex	0	....	0	....	43	1.52	32	1.13
Union	8	0.02	30	0.09	213	0.66	191	0.59
Warren	0	....	6	0.12	2	0.04	44	0.88
State	1695	0.40	309	0.07	4814	1.13	2802	0.66

REPORTED CASES AND DEATHS FROM MALARIA AND EPIDEMIC CEREBROSPINAL
MENINGITIS BY COUNTIES FOR 1934

COUNTIES	MALARIA			EPIDEMIC CEREBROSPINAL MENINGITIS				
	Cases	Cases per 1000 Pop.	Deaths	Cases	Cases per 1000 Pop.	Deaths	Deaths per 1000 Pop.	Percent Fatality
Atlantic	0	....	0	0	....	1	0.007	*
Bergen	3	0.007	0	2	0.005	0	....	....
Burlington	0	....	0	4	0.04	0	....	....
Camden	3	0.01	0	1	0.003	1	0.003	100.00
Cape May	0	....	0	1	0.03	1	0.03	100.00
Cumberland	1	0.01	0	1	0.01	0	....	....
Essex	6	0.006	0	8	0.01	3	0.003	37.50
Gloucester	0	....	0	0	....	0	....	....
Hudson	4	0.005	0	14	0.02	6	0.01	42.85
Hunterdon	0	....	0	0	....	0	....	....
Mercer	0	....	0	3	0.01	0	....	....
Middlesex	0	....	0	4	0.02	0	....	....
Monmouth	0	....	0	1	0.006	0	....	....
Morris	0	....	0	1	0.01	1	0.01	100.00
Ocean	0	....	0	1	0.03	0	....	....
Passaic	0	....	0	4	0.01	3	0.01	75.00
Salem	0	....	0	0	....	0	....	....
Somerset	0	....	0	0	....	1	0.01	*
Sussex	0	....	0	1	0.03	0	....	....
Union	2	0.006	0	6	0.02	3	0.01	50.00
Warren	0	....	0	0	....	0	....	....
State	19	0.004	0	52	0.01	20	0.04	38.46

* More deaths than cases reported.

DEPARTMENT OF HEALTH

REPORTED CASES AND DEATHS FROM MEASLES AND GERMAN MEASLES
BY COUNTIES FOR 1934

COUNTIES	MEASLES					GERMAN MEASLES		
	Cases	Cases per 1000 Pop.	Deaths	Deaths per 1000 Pop.	Percent Fatality	Cases	Cases per 1000 Pop.	Deaths
Atlantic	913	6.92	4	0.03	0.44	9	0.07	0
Bergen	645	1.64	0	....	....	103	0.26	0
Burlington	1594	16.67	8	0.08	0.50	7	0.07	0
Camden	2592	9.83	17	0.06	0.65	15	0.05	0
Cape May	598	19.16	1	0.03	0.16	3	0.09	0
Cumberland	428	5.99	1	0.01	0.23	5	0.07	0
Essex	1026	1.18	2	0.002	0.19	3568	4.12	0
Gloucester	427	5.71	0	....	....	5	0.06	0
Hudson	165	0.23	1	0.001	0.60	6	0.01	0
Hunterdon	425	12.14	2	0.05	0.47	0	....	0
Mercer	1703	8.88	3	0.01	0.17	29	0.15	0
Middlesex	242	1.09	2	0.01	0.82	5	0.02	0
Monmouth	578	3.74	0	....	....	26	0.17	0
Morris	750	6.51	1	0.01	0.13	17	0.14	0
Ocean	22	0.63	1	0.03	4.54	4	0.11	0
Passaic	1394	4.50	1	0.003	0.07	19	0.06	0
Salem	61	1.65	0	....	....	0	....	0
Somerset	567	8.32	3	0.04	0.53	5	0.07	0
Sussex	6	0.21	0	....	....	0	....	0
Union	693	2.14	2	0.006	0.29	221	0.68	1
Warren	326	6.52	1	0.02	0.30	6	0.12	0
State	15155	3.58	50	0.01	0.33	4053	0.95	1

REPORTED CASES AND DEATHS FROM ACUTE ANTERIOR POLIOMYELITIS AND
SCARLET FEVER BY COUNTIES FOR 1934

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	6	0.04	1	0.007	124	0.94	1	0.007
Bergen	10	0.02	3	0.007	648	1.65	8	0.02
Burlington	2	0.02	0	....	68	0.71	1	0.01
Camden	14	0.05	3	0.01	471	1.79	10	0.04
Cape May	0	....	0	....	32	1.02	0	....
Cumberland	1	0.01	1	0.01	60	0.84	2	0.03
Essex	13	0.01	2	0.002	1219	1.41	5	0.005
Gloucester	2	0.02	0	....	146	1.95	5	0.06
Hudson	0	....	0	....	886	1.26	8	0.01
Hunterdon	0	....	0	....	69	1.97	0	....
Mercer	2	0.01	0	....	987	5.14	6	0.03
Middlesex	1	0.004	1	0.004	179	0.81	0	....
Monmouth	3	0.02	1	0.006	161	1.04	4	0.02
Morris	1	0.01	0	....	258	2.24	5	0.04
Ocean	1	0.03	0	....	22	0.63	1	0.03
Passaic	0	....	0	....	233	0.75	0	....
Salem	1	0.02	1	0.02	75	2.03	0	....
Somerset	3	0.04	0	....	82	1.20	2	0.03
Sussex	0	....	0	....	43	1.52	1	0.03
Union	2	0.006	0	404	1.25	2	0.006
Warren	0	0	67	1.34	3	0.06
State	62	0.01	13	0.003	6234	1.47	64	0.01

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REPORTED CASES AND DEATHS FROM SMALLPOX AND TUBERCULOSIS
BY COUNTIES FOR 1934

COUNTIES	SMALLPOX				TUBERCULOSIS				
	Cases	Cases per 1000 Pop.	Deaths	Deaths per 1000 Pop.	Cases	Cases per 1000 Pop.	Deaths	Deaths per 1000 Pop.	Percent Fatality
Atlantic	0	...	0	...	171	1.29	93	0.70	54.38
Bergen	0	...	0	...	275	0.70	153	0.39	55.61
Burlington ...	0	...	0	...	72	0.75	49	0.51	68.65
Camden	0	...	0	...	382	1.45	104	0.39	27.22
Cape May ...	0	...	0	...	15	0.48	7	0.22	46.66
Cumberland ...	0	...	0	...	44	0.61	39	0.54	88.63
Essex	0	...	0	...	1635	1.19	548	0.63	52.94
Gloucester ...	0	...	0	...	46	0.61	36	0.48	78.26
Hudson	0	...	0	...	638	0.91	407	0.58	63.79
Hunterdon ...	0	...	0	...	19	0.54	13	0.37	68.42
Mercer	0	...	0	...	220	1.14	129	0.67	58.63
Middlesex ...	0	...	0	...	215	0.97	93	0.42	43.25
Monmouth ...	0	...	0	...	170	1.10	103	0.66	60.59
Morris	0	...	0	...	117	1.01	48	0.41	41.02
Ocean	0	...	0	...	24	0.68	15	0.43	62.50
Passaic	0	...	0	...	225	0.72	150	0.48	66.66
Salem	0	...	0	...	22	0.59	26	0.70	*
Somerset ...	0	...	0	...	66	0.97	27	0.39	40.91
Sussex	0	...	0	...	25	0.88	11	0.39	44.00
Union	0	...	0	...	285	0.88	157	0.48	55.08
Warren	0	...	0	...	28	0.56	22	0.44	78.57
State	0	...	0	...	4094	0.96	2230	0.52	54.47

* More deaths than cases reported.

REPORTED CASES AND DEATHS FROM TYPHOID FEVER AND WHOOPING COUGH
BY COUNTIES FOR 1934

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	31	0.23	2	0.01	68	0.51	2	0.01
Bergen	20	0.05	4	0.01	1084	2.77	5	0.01
Burlington ...	7	0.07	0	...	164	1.71	1	0.01
Camden	16	0.06	1	0.003	483	1.83	10	0.04
Cape May ...	10	0.32	1	0.03	23	0.73	1	0.03
Cumberland ...	4	0.05	0	...	30	0.42	0	...
Essex	35	0.04	4	0.004	4099	4.74	8	0.01
Gloucester ...	11	0.14	1	0.01	60	0.80	3	0.04
Hudson	14	0.02	1	0.001	636	0.90	15	0.02
Hunterdon ...	0	...	0	...	55	1.57	0	...
Mercer	8	0.04	1	0.005	258	1.34	4	0.02
Middlesex ...	5	0.02	0	...	30	0.13	1	0.004
Monmouth ...	64	0.41	12	0.07	409	2.65	1	0.006
Morris	6	0.05	2	0.01	362	3.14	1	0.01
Ocean	3	0.08	0	...	13	0.37	1	0.03
Passaic	16	0.05	2	0.006	1020	3.29	8	0.02
Salem	9	0.24	0	...	23	0.62	0	...
Somerset ...	8	0.11	1	0.01	97	1.42	1	0.01
Sussex	1	0.03	0	...	21	0.74	0	...
Union	6	0.02	0	...	926	2.86	1	0.003
Warren	3	0.06	0	...	7	0.14	0	...
State	277	0.06	32	0.007	9868	2.33	63	0.01

DEPARTMENT OF HEALTH

REPORTED CASES AND DEATHS FROM MUMPS, LETHARGIC ENCEPHALITIS, UNDULANT FEVER, TETANUS AND TRICHINOSIS BY COUNTIES FOR 1934

Counties	MUMPS		LETHARGIC ENCEPHALITIS		UNDULANT FEVER		TETANUS		TRICHINOSIS	
	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths
Atlantic	55	0	0	1	0	0	0	0	0	0
Bergen	630	0	2	2	3	0	2	3	1	0
Burlington	282	0	1	0	0	0	0	0	0	0
Camden	185	0	1	0	0	0	0	0	2	0
Cape May	83	0	0	0	0	0	1	3	0	0
Cumberland	33	0	1	1	0	0	1	2	0	0
Essex	406	0	13	7	3	0	3	3	3	0
Gloucester	31	0	0	1	0	0	0	1	1	1
Hudson	48	2	4	1	0	0	0	3	2	1
Hunterdon	11	0	0	0	0	0	0	0	0	0
Mercer	71	0	0	0	5	0	2	0	11	2
Middlesex	288	0	5	5	2	0	0	1	1	0
Monmouth	24	0	2	1	1	0	4	1	2	1
Morris	305	0	3	0	2	0	1	0	3	0
Ocean	7	0	0	0	0	0	0	0	0	0
Passaic	479	0	0	1	1	0	0	2	2	0
Salem	3	0	0	0	2	0	0	1	0	0
Samuelson	9	0	1	2	5	0	0	1	2	0
Sussex	7	0	0	0	1	0	1	1	0	0
Union	275	1	7	5	2	0	0	1	10	0
Warren	14	0	0	0	0	0	0	0	1	0
State	3246	3	40	27	27	0	15	23	41	5

REPORTED CASES AND DEATHS FROM MISCELLANEOUS DISEASES
FOR THE YEAR 1934

Disease	Male		Female		Total	
	Cases	Deaths	Cases	Deaths	Cases	Deaths
Anthrax	4	0	0	0	4	0
Malaria	14	0	5	0	19	0
Ophthalmia Neonatorum	13	0	7	0	20	0
Rabies	0	0	0	0	0	0
Smallpox	0	0	0	0	0	0
Tularemia	1	0	0	0	1	0
Typhus Fever	1	1	0	0	1	1

Report of the Bureau of Engineering

For the Year Ending June 30, 1935

H. P. CROFT, Chief Engineer

Progress in the control and abatement of the pollutions of the waters of the State is proportional to the appropriations granted to agencies empowered to act in such matters, and, to the support—morally and legally—given by the citizenry of the State to these agencies.

This report deals with the following :

1. Number of water and sewage projects examined and approved from July 1, 1934 to June 30, 1935.
2. Inspections made and certain actions taken during the year.
3. Court decisions.
4. Pollution of the waters of the Raritan River and its tributaries.
5. The disposal of sewage from the North Jersey seashore and bay shore municipalities.
6. Relative to the pollution from vessels docking at Sandy Hook Bay ports.
7. The Interstate Sanitation District.
8. Swimming pools and bathing places.
9. Stream sampling stations.
10. Data prepared for presentation in the matter of the provisions of an Assembly Resolution, introduced March 4, 1935.
11. Investigations in the construction and operation of sprinkling filters.
12. The issuance of licenses to operate water purification and/or treatment plants and sewage treatment plants.

13. Physical connections between public potable water supplies and unapproved water supplies.
14. Pollution of waters by distillery wastes.
15. Establishment of factories on watersheds.
16. Interstate carriers.
17. Private supplies.
18. School supplies.
19. Status of sewage disposal in the State.
20. Municipal sewage treatment plants in New Jersey (table).
21. Descriptive data of public water supplies in New Jersey (table).
22. Water supplies abandoned (table).

No. 1

NUMBER OF WATER AND SEWAGE PROJECTS EXAMINED AND APPROVED FROM
JULY 1, 1934 TO JUNE 30, 1935

<i>Character of Projects</i>	<i>Number of Projects</i>	<i>Number of Applying Municipalities, Com- missions or Com- panies</i>	<i>Number of Plans</i>	<i>Engineers' Estimates of Costs</i>
<i>Sewage:</i>				
Trunk, sub-trunk, relief and intercepting sewers, sewer extensions and sewage pumping stations	18	12	44	\$47,150.00
Alterations and additions to sewage treatment works	13	13	170	621,462.98
Sewer systems, partial and complete, new	2	2	10	39,747.05
*Sewage treatment works, new	6	6	77	905,000.00
<i>Water:</i>				
New systems and supplies	7	6	21	127,500.00
Alterations, improvements and additions to water works	31	26	62	298,867.91
Totals	77	65	384	\$2,039,727.94
Total of engineers' estimates of costs for the fiscal year ending June 30, 1934				\$3,344,134.57

* Included in this item is the approval of revised plans for the Rahway Valley Joint Sewage Treatment Plant, formerly approved on September 13, 1932.

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No. 2

INSPECTIONS MADE AND CERTAIN ACTIONS TAKEN DURING THE YEAR

Special water inspections, including complaints, conferences, hearings and meetings	218
Routine water inspections	166
Swimming pools and bathing places	8
Watershed surveys	13
Investigations of shellfish areas	5
Investigation of cross connections	5
Water sample collections	9
Industrial wastes inspections	1
Distillery wastes inspections	9
Laundry wastes inspections	2
Cemetery investigations	1
Creamery wastes inspections	8
Fur wastes inspections	2
Garbage investigations	2
Sewage special inspections and trade wastes inspections	191
Sewage complaints, conferences, meetings and hearings	41
Routine sewage inspections	25

Fifty-nine certificates were issued to railroad, vessel and airway companies for the use of water upon interstate carriers. One hundred and eight man-working days were spent in the collection of samples from stream sampling stations; ten and three-quarter man-working days were spent in attending court trials and serving court papers; twenty-four and one-third man-working days were spent in attending water and sewerage works conventions; thirty-seven and one-half man-working days were spent in collecting surf samples along the North Jersey Coast; eight and one-quarter man-working days were spent in inspecting sewage outfalls along the North Jersey Coast, and fifty-one man-working days were spent in stream survey work.

The following man-working days were spent in the investigation of water purification and/or treatment plants at:

Bridgeton	19
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DEPARTMENT OF HEALTH

The following man-working days were spent in the investigation of sewage treatment plants at:

Essex Fells	6
Rockaway (Liondale Bleach, Dye & Print Works)	6½
Totowa	6
West Paterson	6
Moorestown	18
Toms River	9
Bridgeton	5
Haddonfield	15
Pitman	8½
Caldwell	8½
Haddon Heights	5
Camden	2
Hackensack	23

Sanitary inspections were made upon the following streams during the year:

Arthur Kill	Molly Ann Brook
Blackwood Lake	Passaic River
Branchport Creek	Peckman River
Carnegie Lake	Pequannock River
Carter Brook	Rahway River
Cooper River	Rancocas Creek
Delaware River	Raritan Bay
Green Brook	Raritan River
Lake Hiawatha	Rockaway River
Manahassett Creek	Sandy Hook Bay
Mantua Creek	Sanhican Creek
Metedeconk River	Toms River

Stream pollutions investigated	53
Notices issued to cease stream pollutions	13
Cases of stream pollutions found to be abated	31
Cases referred to Attorney General for prosecution	13
Resolution requesting Attorney General to discontinue proceedings to cease pollution and improve sewage treatment works	1
Resolution requesting Attorney General to discontinue proceedings for failure to employ licensed water treatment plant operator	1
Resolution to Attorney General to discontinue proceedings inasmuch as supply is no longer considered a public potable supply	1
Notices issued to distributors of potable water to cease the supplying of water to the public unless source of supply is approved	6
Notices issued upon municipalities or water companies to improve water supplies	5

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Notices issued upon municipalities or sewer companies to cease the discharge of insufficiently treated sewage into waters of the State and/or alter, add to or improve sewage treatment works	4
Notices issued to operators of water treatment plants to comply with requirements of the department	2
Notices issued to municipalities to cease pollution of the waters of the State	6

No. 3. COURT DECISIONS

During the year an important opinion was given by the Court of Chancery in the following case:

Department of Health *vs.* Borough of West Wildwood. The municipality was ordered by the department to cease the pollution of waters of Post Creek, a tributary of Grassy Sound, by discharging improperly, insufficiently and inadequately treated domestic sewage therein from its municipal sewage treatment works and to improve said sewage treatment works in order to abate such pollution. The case was instituted under the provisions of Chapter 72 of the P. L. of 1900, its amendments and supplements. The Final Decree in this cause is:

IN CHANCERY OF NEW JERSEY.

<i>Between</i>	}	On Bill, &c.
DEPARTMENT OF HEALTH OF THE STATE OF NEW JERSEY,		
<i>Complainant,</i>		
<i>and</i>		
BOROUGH OF WEST WILDWOOD, a Municipal Corporation of the State of New Jersey,	}	
<i>Defendant.</i>		

This cause coming on to be heard in the presence of Robert Peacock, Esq., appearing for David T. Wilentz, Attorney General, of counsel with the complainant, and the pleadings, proofs and exhibits having been read and considered, and the argument of counsel having been heard, and the Chancellor having considered the same, and it appearing that the complainant is entitled to the relief sought and prayed for in its bill of complaint;

It is on this third day of July, A. D. 1934, by his Honor Luther A. Campbell, Chancellor of the State of New Jersey, 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 Borough of West Wildwood, a municipal corporation of the State of New Jersey, commanding the said defendant on and after the fifth day of September, A. D. 1934, said Borough of West Wildwood, a municipal corporation of the State of New Jersey, its officers, servants, employees and agents, to absolutely and immediately desist and refrain from permitting and allowing improperly, inadequately and insufficiently treated domestic sewage to flow from its sewerage system into Post Creek, a tributary of Grassy Sound, and further commanding said defendant, Borough of West Wildwood, a municipal corporation of the State of New Jersey, on or before the fifth day of September, A. D. 1934, to make such other disposition of its domestic sewage as shall be approved by the Department of Health of the State of New Jersey.

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

LUTHER A. CAMPBELL,
C.

Respectfully advised,

(Signed) WM. J. BACKES,
A. M.

A True Copy,
EDW. WHELAN,
Clerk.

NO. 4. POLLUTION OF THE WATERS OF THE RARITAN RIVER AND ITS TRIBUTARIES

A group of Raritan River municipalities, claiming financial inability, applied to the State Department of Health for an extension of time in which to comply with orders to cease the pollution of the Raritan River and its tributaries on or before October 31, 1931. The Attorney General of the State of New Jersey was authorized by the department, at a meeting held on April 5, 1932, to stipulate, in case of municipalities where answers were filed by said municipalities admitting the allegations of the Bill of Complaint, that decrees will not be moved for prior to April 1, 1934. Accordingly, the Attorney General entered into a stipulation of agreement, through the Court of Chancery, with the (1) Borough of Bound Brook; (2) Borough of Highland Park; (3) Borough of Middlesex; (4) Pierce Estate, Inc., in the Borough of Middlesex; (5) City of New Brunswick; (6) Township of Raritan; (7) Borough of Sayreville; (8) Borough of South River; and, (9) Township of Woodbridge.

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At the expiration of the time limit stipulated in the agreement, the aforementioned municipalities and company failed to comply with the provisions of the order of the department, and, therefore, on June 5, 1934, the department authorized the Attorney General to institute cases in the Court of Chancery against said defendants.

On April 2, 1935, the pleadings and agreements of the opposing counsels were heard by the Court of Chancery and, after due consideration, a writ of mandatory injunction issued out of and under the seal of said court commanding and enjoining the defendants to cease the pollution of the Raritan River and Raritan Bay by permitting the discharge of raw domestic sewage (or partially treated domestic sewage) to flow therein.

The following is a typical copy of the decrees issued against the defendants:

IN CHANCERY OF NEW JERSEY,
87-578

<i>Between</i>	}	
THE DEPARTMENT OF HEALTH OF THE STATE OF NEW JERSEY,		
<i>Complainant,</i>		
<i>and</i>		
THE BOROUGH OF BOUND BROOK,		
<i>Defendant.</i>		On Bill, &c. Final Decree.

This cause coming on to be heard in the presence of David T. Wilentz, Attorney General of the State of New Jersey and solicitor for the complainant, and of Russell E. Watson, of counsel, and George W. Allgair, of counsel with the defendant, on Bill and Answer, and the pleadings having been read and the arguments of counsel having been heard and considered, and the Court having duly considered the said pleadings and arguments, and it appearing to the Court that the complainant is entitled to the relief sought and prayed for in the Bill of Complaint;

It is, on this second day of April, 1935, by LUTHER A. CAMPBELL, CHANCELLOR of the State of New Jersey, ORDERED, ADJUDGED AND DECREED that a writ of mandatory injunction issue out of and under the seal of this Court directed to the said defendant, the Borough of Bound Brook, commanding and enjoining it to cease the pollution of the waters of the Raritan River and Raritan Bay by permitting raw domestic sewage to flow

therein from its sewer lines, and to make such disposition of its sewage as shall be approved by the complainant.

(Stamped) LUTHER A. CAMPBELL,
C.

Respectfully advised,

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

(Stamped) A True Copy,
EDW. T. WHELAN,
Clerk.

NO. 5. THE DISPOSAL OF SEWAGE FROM THE NORTH JERSEY SEASHORE AND BAY SHORE MUNICIPALITIES

The program instituted prior to 1930 was followed this year. Into the program entered the periodic inspection of sewage treatment plants, the examination of plant effluents, the testing of out-fall pipes, and the examination of the waters used for bathing.

The following municipalities have not as yet complied with the minimum method of sewage treatment (sedimentation and chlorination) established by a resolution of the department, adopted January 15, 1929: Keyport, Ocean Township, Asbury Park, Bradley Beach and Sea Girt. Relative to these municipalities:

Keyport is under orders from the Court of Chancery to improve the sewage treatment plant. The department approved (December 4, 1934) plans for alterations and additions to the sewerage works; pending reconstruction, the application of hypochloride of lime has been replaced by liquid chlorine.

Ocean Township has had approved plans for the construction of a new sewage treatment plant, and the department has been advised that an application will be made for a Federal loan and grant.

Asbury Park has constructed and placed in operation new sewage treatment works, but has failed to comply with the requirement as to chlorination.

Bradley Beach has begun the reconstruction of the sewage treatment plant located at Evergreen Avenue.

An inspection of the municipal sewage treatment plant serving Sea Girt is in progress. The findings of the investigation are to be used in prosecuting the terms of the notice issued under the provisions of the State Sewerage Act.

The results obtained through the expansion of supervision in sewerage works operation and the establishment in 1929 of sedimentation and chlorination as the minimum method of sewage treatment are shown in the following table:

AVERAGE B. COLI CONTENT PER CUBIC CENTIMETER FOR SIXTY BATHING BEACHES FROM LONG BRANCH TO POINT PLEASANT, INCLUSIVE

<i>Year</i>	<i>Flood Tide</i>	<i>Ebb Tide</i>
1928 (before chlorination)	49.0	56.7
1933 (a majority of municipalities chlorinating)	4.41	5.53
1934	1.22	6.36
1935	1.90	0.76

The issue of the Public Health News, March, 1935, contains a paper entitled "Control and Prevention of the Coastal Pollution along the North Jersey Coast," by Messrs. S. Kowalchik and H. C. Greenfield. This article contains detailed information upon the bay and ocean waters, methods of sewage treatment and the factors influencing the receiving waters.

NO. 6. RELATIVE TO THE POLLUTION FROM VESSELS DOCKING AT SANDY HOOK BAY PORTS

Section 1, Chapter 330, P. L. of 1894, provides: "That whenever any nuisance or source of foulness within the limits of the territorial jurisdiction of any local board of health of this State is of such a nature, that * * * it is hazardous to the health of persons residing within the limits of the jurisdiction of such local board, it shall be lawful for the State Board of Health to cause a notice in writing, to be sent to such local board, requiring it to cause such nuisance or source of foulness to be abated. * * *" Under the provisions of this act a notice was served upon the Board of Health of Atlantic Highlands. The notice had for its purpose the discontinuance of the discharge of raw sewage and

other polluting material from toilets upon vessels owned and operated by the Boston and Southern Steamship Company (known as the Mandalay Line), and those owned and operated by the Central Railroad of New Jersey (known as the Sandy Hook Lines), vessels of both companies docking at their respective piers in Atlantic Highlands. The discharge of this material was of such a nature, in the opinion of the Department, as to be hazardous to the health of those persons using the waters adjacent to the docks for recreational purposes. Considerable bathing taking place in the immediate vicinity of these docks placed emphasis upon the abatement of these pollutions.

Due to the splendid cooperation on the parts of the Board of Health of Atlantic Highlands, the Central Railroad of New Jersey, and the Boston and Southern Steamship Company, satisfactory schemes for the treatment of these wastes were agreed upon in sufficient time by all interested parties so that the treatment devices could be installed in the vessels before the bathing season of 1935. The method of sewage treatment decided upon was sedimentation and chlorination, which is similar to that used at the municipal sewage works of Atlantic Highlands.

NO. 7. THE INTERSTATE SANITATION DISTRICT

The title of Senate, No. 170 * is "An act authorizing designated authorities in behalf of the State of New Jersey to enter into an agreement or compact with designated authorities of the State of New York for the creation of the Interstate sanitation district, the establishment of the Interstate Sanitation Commission, the control of future pollution and the abatement of existing pollution in the tidal and coastal waters of the adjacent portions of the signatory states and the defining of the powers and duties of such commission."

The title of Senate, No. 171 ** is "An act to authorize the appointment of commissioners to the Interstate Sanitation Commission established by agreement or compact between the States of New York, New Jersey and Connecticut, within the interstate

* Senate, No. 170 is now Chapter 321, Laws of 1935; approved July 1, 1935.

** Senate, No. 171 is now Chapter 322, Laws of 1935; approved July 1, 1935.

sanitation district, defining their powers, duties and jurisdiction, providing for the study of a program, for examination of the accounts of said commission and making an appropriation for the expenses of said commission."

The territory in New Jersey embraced in the district is defined as follows: "In New Jersey, the Hudson river and New York upper bay and estuaries and tidal waters thereof between the New York-New Jersey boundary and Constable Point on Constable Hook; the Kill van Kull and Arthur Kill to the mouths of the rivers entering into the Kills; Newark bay and the estuaries thereof up to the mouth of the Passaic river; and up to the mouth of the Hackensack river; Raritan bay together with the Raritan river up to the Victory bridge on said river between Perth Amboy and South Amboy; together with the Cheesequake creek up to the New York and Long Branch Railroad bridge on said creek at Morgan; together with the Matawan creek up to the New York and Long Branch Railroad bridge on said creek at Matawan; Sandy Hook bay; together with the Shrewsbury river up to the passenger railroad bridge between Navesink Light and Highland Beach on said river." The area covered is shown upon the inserted map.

The agreement provides for dividing the various waters in the territory into two classes; specified as Class "A" and Class "B". Class "A" waters are those expected to be used primarily for recreational purposes, shellfish culture or the development of fish; and, Class "B" waters are all other waters.

Sewage or other polluting matters discharged into Class "A" waters shall be treated so as to remove all floating solids and at least 60 per cent. of the suspended solids; and, in the matter of B. Coli density, a reduction of such organisms so that the probable number shall not exceed one per cubic centimeter in more than 50 per cent. of "the samples of sewage effluent tested by the partially confirmed test." If, however, the receiving waters are used primarily for bathing the bacterial requirement applies only during the bathing season. Additional treatment may be required, in case the dissolved oxygen content of the receiving water, under consideration, falls below 50 per cent. saturation, at

a depth five feet below water surface, during any week of the year.

Sewage or other polluting matters discharged into Class "B" waters shall be treated so as to remove all floating solids and at least 10 per cent. of suspended solids, and, to prevent the formation of sludge deposits. Additional treatment may be required, in case the dissolved oxygen content of the receiving water falls below 30 per cent. saturation, at a depth five feet below water surface, during any week of the year.

The personnel of the commission from New Jersey shall consist * of a member of the State Department of Health, a member of the State Board of Conservation and Development, a member of the Board of Commerce and Navigation and two members from the State at large.

* Appointed by the Governor on July 5, 1935, were Messrs. J. N. Fowler, William C. Cope, J. Spencer Smith, G. W. Knight and J. Lester Eisner.



INTERSTATE SANITATION COMMISSION AREA

— — — Area Originally Proposed

● — ● Area Established in 1935

No. 8. SWIMMING POOLS AND BATHING PLACES

As a result of a resolution adopted on September 13, 1932, instructing the Bureau of Engineering, with the aid of other bureaus, to prepare and present to the board data and recommendations for the drawing of a bill for suitable regulation of public swimming pools, Assembly Bill No. 167 was formulated and introduced in the 1933 Legislature. This proposed legislation was read and discussed at a meeting of the New Jersey Health Officers' Association in January, 1933. After a general discussion of the provisions, a committee of members of this organization was appointed to confer with representatives of this department to alter or add to the original bill so that certain obviously weak or uncertain provisions were rectified. Resulting from the joint conference of the above-mentioned committee and representatives, was a substitute bill for Assembly No. 167. This bill was not reported upon by the Committee on Miscellaneous Business to which it had been referred.

Following instructions, three employees were assigned to a survey of fresh water bathing places in New Jersey during the bathing season of 1933. More than 500 swimming pools and bathing places were inspected. Over 18,000 miles were travelled and 141 working days consumed in this task. The Bureau of Chemistry analyzed in excess of 1,300 samples of water collected from the swimming pools and bathing places inspected. The findings of this survey revealed that—

1. The number of swimming pools and inland bathing places is rapidly increasing.

2. The estimate of patronage drawn to these pools is more than 500,000 persons per day during the bathing season.

3. The radii from which patronage is drawn to particular pools are so large that the health problem of one pool involves many municipalities, thus changing the usual conception that swimming pool jurisdiction is or should be primarily local.

4. A small number of the pools investigated was inspected or supervised by the local health authorities.

5. The bacteriological standards of the proposed bill were reasonable from a health standpoint and could be complied with at practically all of the artificial pools or semi-artificial pools with reasonable changes in operation or construction within the economic limits of the pool owners.

6. Most of the pool owners and operators, especially the more progressive types, were highly in favor of swimming pool legislation placing all of the pools in the State under the same standards.

The bill was again introduced in the 1934 Legislature as Assembly Bill No. 161. Like the previous year, it was referred to the Committee on Miscellaneous Business and never reported upon.

On January 28, 1935, the bill, essentially as printed in the report of the Bureau of Engineering for the year ending June 30, 1934, was again introduced in the 1935 Assembly and referred to the Committee on Public Health. It received its third reading and was voted upon by the Assembly on February 25, 1935. Insufficient ballots were cast in the affirmative to pass the bill. The matter was again brought to a vote on April 8, 1935, at which time 34 ballots were cast in the affirmative and 4 in the negative. It then passed to the Committee on Public Health in the Senate and was not reported upon before the Senate adjourned on June 25, 1935.

NO. 9. STREAM SAMPLING STATIONS

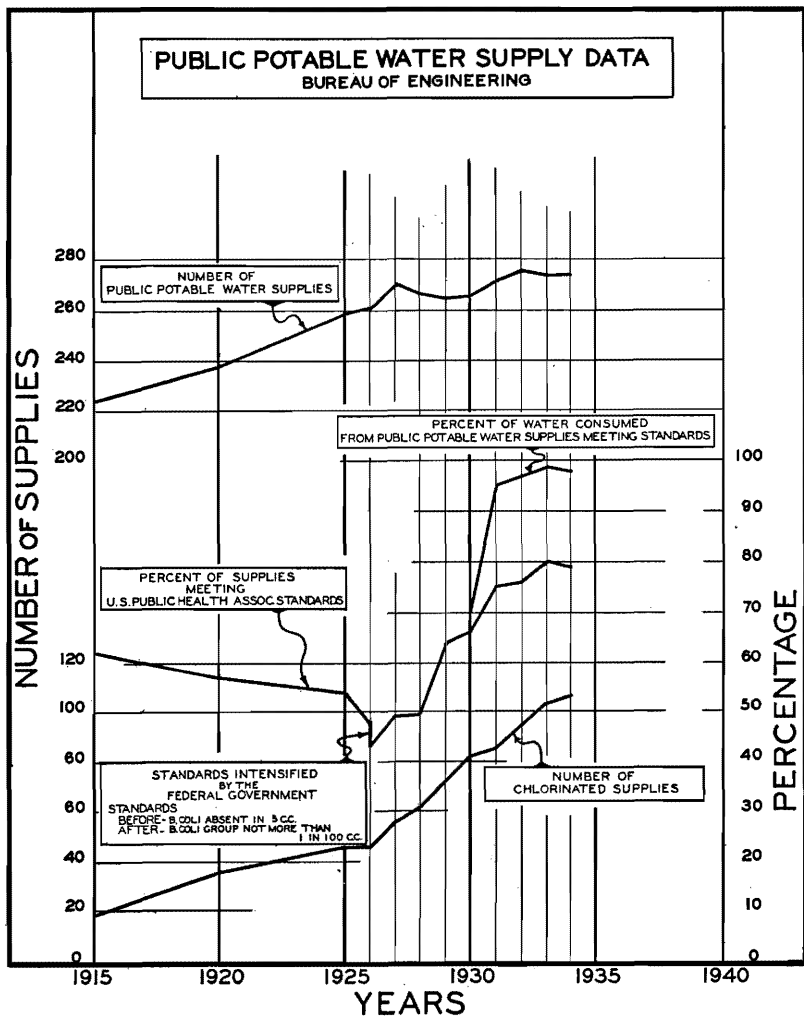
The collection and examination of samples of water from the various streams in the State have continued during the year. Eight new sampling stations were established: Delaware River at Phillipsburg; Mine Brook, below the sewage treatment plant recently placed in operation by the municipality of Bernardsville; Metedeconk River, below Laurelton and in the vicinity of numerous summer camp sites; four on the Passaic River and one on Molly Ann Brook, all in the vicinity of Paterson.

With these new stations, the number of collection points is 203. From 142 stations samples are collected four times a year and from the other 61 stations, located in the vicinity of recreational

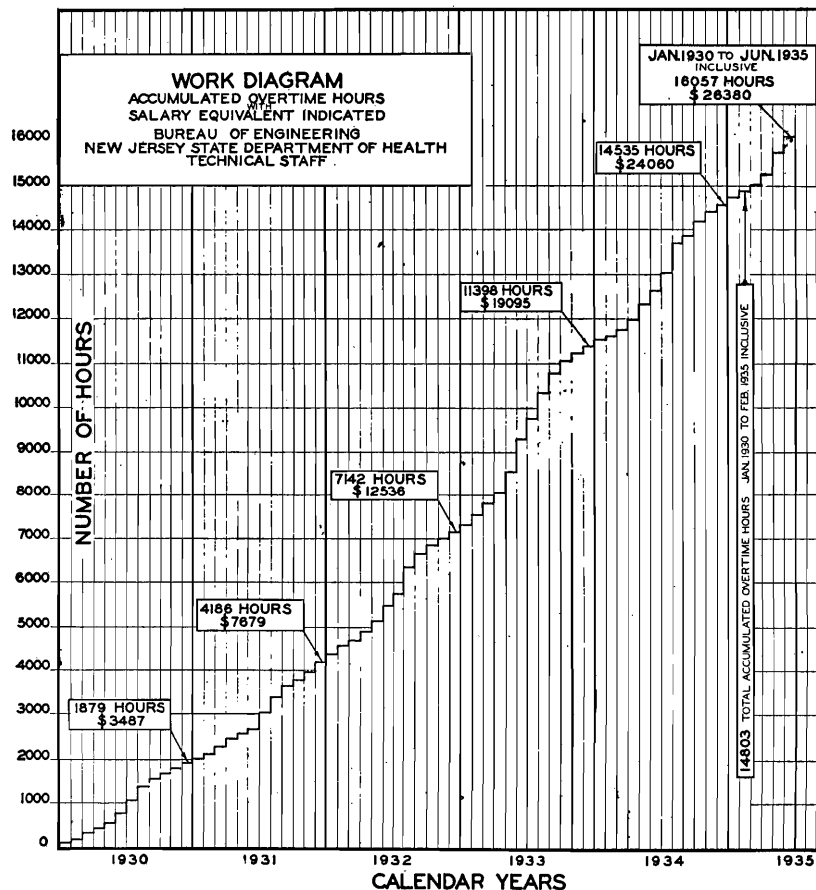
centers, twice a year during the summer season. Quarterly collections are carried out under a schedule so rotated that samples should represent the effect of seasonal variations.

NO. 10. DATA PREPARED FOR PRESENTATION IN THE MATTER
OF THE PROVISIONS OF AN ASSEMBLY RESOLUTION,
INTRODUCED MARCH 4, 1935

In accordance with instructions, material was compiled and charts were prepared for the Director of Health to present to the Assembly Committee, functioning under a resolution to investigate and inquire into the necessity, if any, of the imposition of new taxes. In view of the time expended in the preparation of the data, it was decided to extend certain of the graphs to the end of the fiscal year and establish these as permanent records. Therefore the following charts are presented, relating: to the purity of public potable water supplies from 1915 to 1934; to hours worked by the technical staff from January, 1930, to June, 1935, inclusive; and, the expenditures of the Bureau for the last six fiscal years.

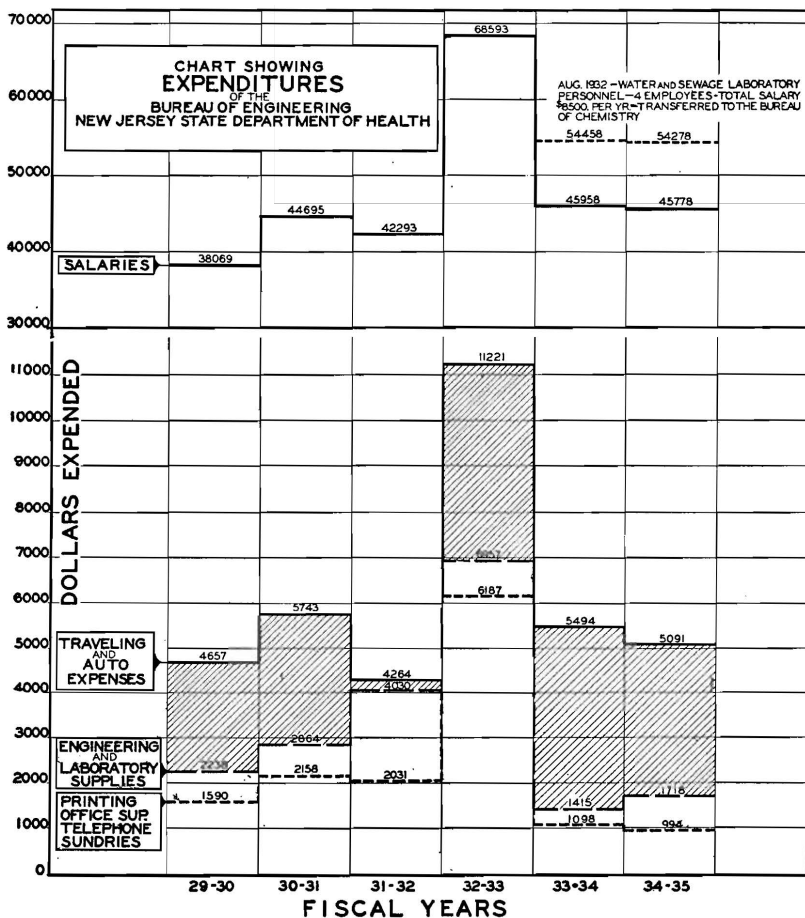


DEPARTMENT OF HEALTH



BUREAU OF ENGINEERING

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NO. 11. INVESTIGATIONS IN THE CONSTRUCTION AND OPERATION OF SPRINKLING FILTERS

"It shall be the duty of said commission to investigate the various methods of sewage disposal, in order that it may be able to make proper recommendations in regard thereto. * * *"* Under such authority investigations were made of the construction, operation and efficiency of sprinkling filters as well as other treatment devices at the following municipal sewage treatment plants: Bridgeton, Freehold, Glassboro, Haddonfield (2 plants), Haddon Heights, Hammonton, Little Falls, Moorestown, Joint Plant serving Plainfield, North Plainfield and Dunellen, Princeton, Pitman (2 plants), Totowa, Washington and West Paterson. The findings were used in the forwarding to the interested municipality of recommendations for improvements.

The recommendations, in general, were well received. For example, in one of the municipalities the Mayor and Council, by formal action, resolved that alterations and repairs be made to the sewage treatment plant in conformity with the report and recommendations of the Department.

The sprinkling filter type of sewage treatment is a well-established method in this State. The growth of this type of treatment is shown in the following tabulation:

<i>Year</i>	<i>No. of Plants</i>	<i>Design Capacity in Million Gallons per Day</i>
1910	1	0.4
1920	7	5.4
1930	32	17.6
1935	34	20.6

Under the direct order of the members of the Department, rules and regulations for the design and construction of sewerage and water projects were submitted to them for consideration; and from their deliberations on the same, issued, under date of August 11, 1925, the "Rules and Regulations for the Preparation and Submission of Designs for Sewer Systems and Sewage Treat-

* An act to prevent the pollution of the waters of this State, Chapter 210, P. L. of 1899, and the amendments thereof and supplements thereto.

ment Works and Water Supply Systems and Water Purification Works”.

With increasing knowledge in the methods of sewage treatment it was concluded that consideration should be given to the revision of those requirements (of August, 1925) relating to sprinkling filter design. As aids in such deliberations, the investigations at the aforementioned plants included the collection of numerous samples, including four and twenty-four hour composites. The principal determinations made on these samples were for dissolved oxygen, bichemical oxygen demand, nitrites, nitrates and relative stability. Analyses were made also for solids; nitrogen as free ammonia, organic, total; oxygen consumed; alkalinity; pH; and B. Coli. Plant structures and items studied included: dosing devices; sprays; filtering media, including depth and ventilation; oxygen absorbed; discharge cycle; strength of sewage; and, as to sewage flow, daily variation and gallons per capita.

A summary of the investigations made leads to the opinion that, to secure the maximum efficiency from a sewage treatment plant in which a sprinkling filter is one of the devices in the process, the following requirements should be met:

REQUIREMENTS AS TO SPRINKLING FILTERS

General Requirements

1. Sprinkling filters shall be preceded by efficient sedimentation.
2. The minimum effective depth of filtering media shall be at least six (6) feet. The effective depth shall be the distance from top of stone to top of underdrain.
3. Filtering media shall be from one (1) inch to two (2) inches in size; free of fines.
4. Means for the complete flooding of sections of the filter are desirable.
5. Underdrain ventilation is highly desirable.
6. When the volume of sewage flow is less than 70 gallons per capita, sprinkling filter treatment is not desirable unless preliminary sedimentation is supplemented by an additional method of treatment, such as chemical precipitation.

7. The average rate of sewage discharged during the dosing period shall not exceed either of the following:

- a. 1,100 gallons per minute per acre foot.
- b. $\frac{\text{Gallons per capita}}{100}$ 1,100 gallons per minute per acre foot
(applies to existing sewer systems).

NOTE: In case where, because of laundry or other industrial waste, there is no relation between gallons of sewage per capita and strength of sewage; the rate of application shall be such so that the oxygen requirement is not in excess of $1\frac{1}{4}$ pounds per acre foot per minute of dosing period.

Secondary Tank Requirements

1. Sprinkling filters shall be followed by a settling tank; if flat bottom, two compartments shall be provided. Total detention period, based on average, shall be not less than one (1) hour. Consideration shall be given to supplementing sedimentation by chemical precipitation.

2. Sludge disposal:

- a. If separate sludge digestion tanks are provided, the sludge from the secondary tank shall be discharged thereto; if pumping is necessary, the piping and the pumping equipment shall be of permanent construction.
- b. If glass-covered sludge drying beds are provided, the area shall be not less than one-eighth ($\frac{1}{8}$) square foot per capita.

If separate sludge digestion tanks or glass-covered sludge drying beds are not provided, the matter of sludge disposal shall be considered by the department as a separate problem at each installation.

Fixed Nozzle Requirements

1. Twin dosing tanks shall be provided in all cases where any considerable part or all of the sewage is pumped. This requirement shall apply whether the pumping be within the collecting

system or at the sewage treatment plant previous to application to filters.

2. Where twin dosing tanks are used they shall have a common nozzle field.

3. The net terminal head on nozzles shall be not less than one and one-half ($1\frac{1}{2}$) feet.

4. Half nozzles or equal shall be provided at the sides of the filter bed.

5. Detailed information shall be furnished in regards to the coverage efficiency of the nozzles.

6. Consideration shall be given to means which permit the removal from service of any quarter or either half of the nozzle field.

7. Based on the design flow, the operating time of the nozzles shall be not less than 20% nor more than 40% of the day. The higher limit shall be approached as nearly as possible.

Rotary or Traveling Distributor Requirements

1. The distributing mechanism shall be capable of operating at a rate up to 300% of the design flow of the plant.

2. The filter retaining wall shall not extend above the top of the filter media.

3. Valves shall be provided to permit cutting out of any filter unit.

A paper entitled "Survey of Sprinkling Filters in New Jersey" was presented by Messrs. Leroy Forman and Robert S. Shaw at the twentieth annual meeting of the New Jersey Sewerage Works Association, March 22, 1935. This paper, lacking certain graphs, is printed in the proceedings of the above association, and contains detailed information upon the investigations of the construction and operation of those sewage plants already listed.

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No. 12. THE ISSUANCE OF LICENSES TO OPERATE WATER
PURIFICATION AND/OR TREATMENT PLANTS
AND SEWAGE TREATMENT PLANTS

Examinations for licenses to operate water purification and/or treatment plants and sewage treatment plants were conducted on October 19, 1934, and April 25, 1935, at the State House, Trenton, New Jersey, in accordance with the provisions of Chapter 23, P. L. 1918, and the Rules and Regulations governing the issuance of licenses which were adopted under authority of the aforesaid act.

The number of applicants for examinations, the number of applicants who were accepted for the examinations, the number of applicants who were examined and the number of licenses that were issued for each grade and class to operate sewage treatment plants and water purification and/or treatment plants, respectively, are presented in the following tabulation:

	<i>Number of Applicants, Oct., 1934-April, 1935</i>		<i>No. of Applicants Accepted, Oct., 1934-April, 1935</i>		<i>No. of Applicants Examined, Oct., 1934-April, 1935</i>		<i>No. of Licenses Issued, Oct., 1934-April, 1935</i>	
<i>Sewage:</i>								
Grade A	6	4	4	3	4	3	2	3
“ B	0	1	0	1	0	1	0	0
“ C, Division 1	3	2	1	2	1	1	0	0
“ C, Division 2	0	0	0	0	0	0	0	0
“ C, Division 3	1	0	0	0	0	0	0	0
“ D, Division 1	4	0	4	0	4	0	4	0
“ D, Division 2	1	1	1	1	1	1	0	0
“ D, Division 3	0	0	0	0	0	0	0	0
“ E	3	2	3	2	2	2	2	2
“ F	2	3	2	3	2	3	0	1
“ G	1	1	1	1	0	0	0	0
“ S	6	7	6	7	5	5	3	4
Total for each examination	27	21	22	20	19	16	11	10
Total for Year	48		42		35		21	

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Water:

First Class	3	1	3	1	3	1	3	1
Second Class	2	2	2	2	2	2	1	1
Third Class	0	3	0	3	0	3	0	3
Fourth Class	15	10	15	10	13	10	9	8
Total for each examination	20	16	20	16	18	16	13	13
Total for Year	36		36		34		26	
Combined (Water & Sewage)								
Total for Year	84		78		69		47	

Percentage of number of applicants who were accepted for
the examinations 92.86%

Percentage of number of applicants examined to whom li-
censes were issued 68.12%

One "Prior-to" license was issued to operate the sewage treatment plant serving the New Jersey State Arsenal and Camp Grounds at Sea Girt, N. J., in accordance with the provision contained in Section 2 of Chapter 23, P. L. 1918.

NO. 13. PHYSICAL CONNECTIONS BETWEEN PUBLIC POTABLE WATER SUPPLIES AND UNAPPROVED WATER SUPPLIES

The Report of the Bureau of Engineering for the year ending June 30, 1934, contained a list of physical connections between approved public potable water supplies and unapproved water supplies for which permits have been issued by the New Jersey State Department of Health under the provisions of Chapter 13 of the New Jersey State Sanitary Code. The permits for these physical connections, renewed annually, were still in effect at the time the report was issued.

Ever aware of the dangers to public health produced by unprotected physical connections and to continue the interest of local authorities, the circular letter, copied below, was sent to all water companies and municipal water departments delivering potable water and to all local boards of health concerned with public potable water supplies in May, 1935. There were 422 local boards of health circularized. The letters to them indicated the names of the public water supplies which are located within their jurisdictions. There were 267 letters sent to the water com-

panies and municipal water departments. A copy of the circular letter follows:

Gentlemen:

The issue of the "Public Health News," published by the State Department of Health, in October, 1934, contained an article entitled "Cross Connections," which in brief: outlines the number of physical connections between public water supplies and unapproved supplies existing under permits issued by the State Department of Health; recites two instances of disastrous effects resulting from pollution of public water supplies in this State by reason of faulty physical connections; and urges local health officials and water superintendents "to be sure that no unapproved cross connection exists within their respective jurisdiction."

No doubt the great majority of local health authorities and officials of public water supplies are familiar with the provisions of Chapter 13 of the State Sanitary Code, which was enacted on September 18, 1928. This regulation prohibited the establishment of new physical connections after April 1, 1929, and sets out the requirements under which permits for the continuance of those existing on that date would be issued. Under the administration of the aforementioned chapter of the code, and in accordance with the recommendations of the interested boards of health and the interested water departments or water companies, this department has issued permits to one hundred and thirty-seven owners for the continuance of the use of two hundred physical connections.

In the Annual Report of the State Department of Health for the year ending June 30, 1934, are listed the holders of the aforementioned permits to maintain physical connections at their plant premises, together with the sources of the public potable water supplies and unapproved supplies; the number and size of the respective connections; and the names of the municipalities where such establishments are located. A copy of this list, just received from the printers, is enclosed. Four additional original permits, not included in the list, have been issued by the department; and four permits for maintaining physical connections, which are included in the list, have been revoked on account of the failure of the owners of the establishment to apply for renewal permits.

Through the procedure established for the renewal of the permits, at least annually the physical connection problem is brought to the attention of local boards of health, water departments and water companies, under whose jurisdiction the approved installations exist. To some health authorities and water supply officials this is at all times a live issue; they make internal inspections of the double check valves, at the existing approved installations, at least quarterly; they are continually in search of existing physical connections; and they move immediately for the elimination of physical connections installed in violation of the provisions of the Sanitary Code.

The problem produced by cross connections is still as important as at the time the State Department of Health enacted regulations in this matter. The subject has continued to attain prominence and national recognition in the sanitary protection of public water supplies. A study of two eminent investigators on the subject entitled "The Significance of Water-Borne Typhoid Fever Outbreaks, 1920-1930," disclosed "that unprotected cross connections, as a

cause, rated first in the number of cases of typhoid; second, in the number of outbreaks; third, in the number of dysentery cases, and fourth, in the total number of typhoid and dysentery cases." An unprotected cross connection, as referred to by these investigators, "is one which is not equipped with modern protective devices."

The procedure established by the New Jersey State Department of Health relative to the continuance of physical connections grants equal authority to the local board of health and water company or water department concerned in local supervision, for if either one does not approve, this department will not issue the renewal permit.

In view of the above information and with the aid furnished by the enclosed tabulation, which is being forwarded to interested boards of health and owners of public water supplies, your cooperation in securing the enforcement of the regulations is earnestly solicited by

Very truly yours,

J. LYNN MAHAFFEY, M. D.,

Director of Health.

The response from local health authorities and water supply officials, which resulted from the issuance of the circular letter, presents evidence that the contents of the letter have prompted much activity by those concerned in this matter.

Since the aforementioned list was prepared for the 1934 report, five additional original permits have been issued to owners of the establishments listed below upon recommendations by the water supply officials concerned and certifications by local health authorities having jurisdiction that the installations satisfy the requirements of Chapter 13 of the State Sanitary Code.

The failure of the owners to make applications for the annual renewals of their permits to maintain physical connections seriously jeopardized the proper supervision of the physical connections and the consequent protection of the public potable water supplies concerned at the premises of the four establishments, listed below. After concentrated efforts had been made to secure the applications, the Department of Health, at a meeting held on December 4, 1934, adopted resolutions to revoke the aforesaid permits, which action called also for the discontinuance and removal of the physical connections.

ADDITIONAL PERMITS ISSUED

NAME OF MUNICIPALITY	NAME OF COMPANY	PUBLIC POTABLE WATER SUPPLY	UNAPPROVED WATER SUPPLY	NUMBER AND SIZE OF CONNECTION
Jersey City	Public Service Electric and Gas Company	Jersey City Water Department	Lackensack River	1-8"
Newark	Health Products Corporation	Newark Water Department	Well	1-6"
Newark	Merchants Refrigerating Company	Newark Water Department	Well and chemically treated city water	1-6"
Passaic	The Dundee Water Power and Land Company (Waterhouse Mill)	Passaic Valley Water Commission	Dundee Canal	1-6"
Paterson	Phoenix and Harmony and Industry Mills (Bertha Grobart, owner)	Passaic Valley Water Commission	Passaic River	1-6"

PERMITS REVOKED DECEMBER 4, 1934

NAME OF MUNICIPALITY	NAME OF COMPANY	PUBLIC POTABLE WATER SUPPLY	UNAPPROVED WATER SUPPLY	NUMBER AND SIZE OF CONNECTION
Garfield	Garfield Worsted Mills	Garfield Water Department	Garfield Worsted Mills, general service water	1-8"
Lodi	Millbank Bleachery	Lodi Water Department	Pond and wells	1-8"
North Bergen	Gatti-Reilly Corp. (formerly U. S. Rubber Company)	Hackensack Water Company	City water cistern	1-8"
Paterson	Estate of S. B. Thomson, Mrs. Rose Harris, Receiver (formerly The Hamilton Trust Company of Paterson)	Passaic Valley Water Commission	Cistern	1-8"

CORRECTIONS TO LIST IN 1934 REPORT

Three corrections of errors should be applied to the list of physical connections which appeared in the 1934 report, beside the additions and cancellations listed in this article.

The corrections are:

In Millville, the Whitall Tatum Company is physically connected with the Millville Water Department instead of The Millville Water Company.

In Milltown, the Michelin Tire Company holds permits to maintain two 6-inch physical connections instead of one 6-inch connection.

In Hackensack, Harper Terminal, Inc., holds a permit to maintain one 6-inch physical connection instead of two 6-inch connections.

No. 14. POLLUTION OF WATERS BY DISTILLERY WASTES

Investigations continued during the year in the matter of the pollution of waters by distillery wastes. The plants inspected manufacture apple and fruit brandies. The analyses of spent cider from the manufacture of apple jack show the very high potential pollution load contained therein:

<i>Results in P. P. M.</i>	<i>From</i>			<i>To</i>		
Total Solids	9,958	p.	p. m.	36,689	p.	p. m.
Total Solids in Solution	9,850	"		36,567	"	
Total Organic Solids in Solution	8,542	"		31,516	"	
Acidity	816	"		4,440	"	
Oxygen Consumed	5,990	"		14,800	"	
B. O. D.	2,182.5	'		5,991.5	"	

Unless a very high dilution factor prevails a stream, receiving these wastes containing organic matter in such high concentration, will be depleted quickly of its oxygen. Such a condition will adversely affect the use of the stream for pasturing, recreation and the promotion of fish life; foul odors will, and have been, produced.

Generally the majority of the distilleries inspected operate from September to February of each year and the liquid wastes produced are discharged intermittently from fill and draw (pot) stills. Many of the small plants are so located that sufficient land is available to dispose of the liquid wastes by lagooning and broad irrigation. On upland streams, the waters of which are later used for public potable purposes, the move is to exclude the wastes from the waters. The disposal of liquid wastes by broad irrigation, the seasonal operation, and plant location have combined to reduce the odor nuisance and stream pollution to a minimum.

Several of the large plants are still confronted with the problem of waste disposal. Examinations of samples from proposed methods of treatment (laboratory scale) give little encouragement.

A secondary source of stream pollution is found in the fruit pulp remaining after the extraction of the fruit juice. At the distilleries which manufacture their cider this pulp, known as pomace, is stored in large piles on lands draining to the streams. One of the distilleries has been converting its pomace into a "bacterial fertilizer."

NO. 15. ESTABLISHMENT OF FACTORIES ON WATERSHEDS

During the year, under the provisions of Chapter 280 of the P. L. of 1921, the following applications were approved for the construction of industrial plants upon watersheds in the State:

Blairstown (Read Apple Jack Distillery), apple brandy distillery.

Harmony Township (Clarence Smith Distillery), apple brandy distillery.

Kings, Franklin Township (Lord Stirling Distilleries, Inc.), apple brandy distillery.

Tenaflly (Rockland Distilling Company, Inc.), apple brandy distillery.

Tenaflly (Trinacria Wine Corporation), wine distillery.

Manville (City Fur Dressing Corporation), fur dressing factory.

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NO. 16. INTERSTATE CARRIERS

During the fiscal year fifty-nine certificates were issued upon twenty-nine public and two private water supply systems for nine railroad lines, fifteen vessel companies and three airway lines. The interested interstate carriers who received these certificates were :

Railroad

Central Railroad Company of New Jersey
Delaware, Lackawanna & Western Railroad Company
Erie Railroad
Lehigh Valley Railroad
New York Central Railroad
New York, Ontario & Western Railroad
Pennsylvania Railroad
Pennsylvania-Reading Seashore Lines
Reading Company

Vessel

Alpha Steamship Company
American Tankers Company
Beta Steamship Corporation
Boston, New York & Southern Steamship Company
Chile Steamship Company
Freeport Sulphur Transportation Company
Keansburg Steamboat Company
Lake Tankers Corporation
Moran Towing & Transportation Company
Rockland Transportation Company
Sanatorium Association of Philadelphia
Steamer William Penn, Inc.
Superior Trading & Transportation Company
Sword Steamship Line
Vacuum Oil Company

Airway

American Airway, Inc.
Eastern Air Transport, Inc.
United Air Lines Transport Corporation

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No. 17. PRIVATE SUPPLIES

Forty-one samples of water from private sources of supply have been examined in the laboratory and payment to the amount of \$425 has been made therefor through the Bureau of Engineering, which forwards and interprets the results obtained in the examination of such samples.

A charge of \$15 is made by the department for a complete chemical and bacteriological examination of a sample of water, and a charge of \$5 for a bacteriological examination.

No. 18. SCHOOL SUPPLIES

Six hundred and eighty-nine samples of water have been examined in the laboratory from school water supplies in the State during the year and copies of the results of these examinations have been sent to the local school boards, as well as the State Board of Education, through this bureau, with comments where necessary as to the purity of the supplies.

No. 19. STATUS OF SEWAGE DISPOSAL IN THE STATE

In a recent issue of one of the national engineering publications, there appeared a tabulation outlining the population of each State of the United States enjoying sewerage facilities. It is gratifying to note that the State of New Jersey occupies the first position in the percentage of the total population served by sewer systems, and the second position in the percentage of the total population provided with sewage treatment plant facilities; in actual figures, the percentages are 86.3 and 52.3, respectively.

Since the compilation of the above data, the City of Perth Amboy has constructed and placed into operation its new sewage treatment plant; the Elizabeth Joint Meeting has proceeded with the construction of its plant; and the Rahway Valley Joint Trunk has acquired a grant and loan from the Federal Government to finance its projected sewage treatment plant. Upon the completion of the said works, it is believed that the State of New Jersey will also surpass all other States in the percentage of the total population served with sewage treatment plants.

TABLE No. 20—MUNICIPAL SEWAGE TREATMENT PLANTS IN NEW JERSEY

(Alterations and Additions to Existing Sewage Treatment Plants Since June 30, 1934)

LOCATION	OWNERSHIP, MUNICIPALITY OR COMPANY	COUNTY IN WHICH PLANT IS LOCATED	MUNICIPALITIES OR LOCATIONS SERVED	Permanent Population 1930 Census	Estimated Population Served	Date of Ap- proval of Plans for Original Plant	Plant Placed in Operation	Reconstruc- tion of Plant
Asbury Park	City	Monmouth	Asbury Park	14,981	14,981	2-27-05	1905	1933 1934
Bergenfield	Boroughs of Bergen- field and Dumont	Bergen	Bergenfield Dumont	8,816 5,861	8,816 5,861	6-3-24	1925	1929 1933
Lakewood Township	Lakewood Water Company	Ocean	Lakewood Township	7,869	part	11-10-08	1909	1929 1935
Middlesex	Joint Meeting of Plainfield, North Plainfield and Dunellen	Middlesex	Plainfield North Plainfield Dunellen Fanwood	34,422 9,760 5,148 1,681	34,422 9,760 5,148 part	11-12-12 Amended 9-29-14	1916	1934

TABLE No. 20—MUNICIPAL SEWAGE TREATMENT PLANTS IN NEW JERSEY—Continued

(Alterations and Additions to Existing Sewage Treatment Plants Since June 30, 1934)

UNITS OF TREATMENT PLANT	SEWAGE FLOW IN GALLONS PER DAY	EFFLUENT DISCHARGED INTO	PLANT FOR THE PREVENTION OF
Mechanically cleaned bar screen, sedimentation tank with sludge removal equipment, separate sludge digestion tank, chlorination, chlorine contact tank	2,500,000	Atlantic Ocean	Pollution of bathing or recreational waters and nuisances
Mechanical sludge collection apparatus for sedimentation tanks, sludge gas collection and combustion devices and chemical feed apparatus for sludge thickening	2,500,000	Tributary to Hackensack River	Pollution of bathing or recreational waters and nuisances
Chemical feed apparatus and twin chemical mixing tank	868,000	Metedeconk River	Pollution of bathing or recreational waters and nuisances
Chemical feed apparatus, mixing and flocculation tanks, alterations to sludge gas collection, new heating equipment, spray sludge dryer and appurtenances and alterations to effluent weir and pipe lines	350,000	Green Brook, tributary of Raritan River	Pollution of bathing or recreational waters and nuisances

TABLE No. 21—DESCRIPTIVE DATA OF PUBLIC WATER SUPPLIES IN NEW JERSEY

(New Water Supplies and Alterations and Additions to Existing Water Supplies Since June 30, 1934)

OWNER AND MUNICIPALITIES SUPPLIED	SOURCE OF NEW SUPPLY	ALTERATIONS AND ADDITIONS TO EXISTING SUPPLY	Population, 1930, Permanent	Average Yearly Population Supplied, 1934	1934 Consumption in 1,000 Gallons Per Day	Hardness	Alkalinity	PREVIOUS NAMES OF SUPPLIES
Atlantic City (Municipality) (Absecon)		Additional collecting basin, 60" cast iron connecting conduit with provisions for installation of purification devices and sampling taps	66,198	125,000	13,081	16.	1.	
Atlantic County Water Company of New Jersey (Absecon) (Linwood) (Northfield) (Pleasantville) (Somers Point)		Split sleeve over top of well casing with a rubber gasket inserted between flanged edge of split sleeve and pump foundation on well No. 2 at Somers Point	2,158 1,514 2,804 11,580 2,073	22,000	560	19.	5.	
Bordentown (Municipality)		3 driven wells, Nos. A-34, B-34, C-34; 68½ to 75' deep	4,405	5,000	618	27.3	47.	
Bound Brook Water Company (Bound Brook) (Bridgewater Twp., part) (Middlesex Boro, part) (South Bound Brook)		Chlorine sterilization apparatus	7,372 3,352 3,504 1,763	9,813	18	82.	34.	
Brown's Mills Land Company (Pemberton Twp., Brown's Mills Section)	1 driven well, 225' deep		1,929	300		94.	90.	

Cape May (Municipality) (South Cape May) (West Cape May) (Lower Twp., part)	1 elevated storage tank, 700,- 000 gallons capacity	2,637 6 1,048 1,444	500	820	82.	90.
Cape May Point (Municipality) (Lower Twp., part)	Meyers Bulldozer pump to replace Gould triplex pump, chlorine sterilization ap- paratus	104 1,444	900	42	104.	308.
Chester Township (Maple Shade Section) (Municipality)	Chlorine sterilization appara- tus and installation of standpipe cover	5,117	5,160	481	48.	41.
E. I. duPont de Nemours and Com- pany (Deepwater Point, Upper Penns Neck Twp.)	Chlorine sterilization appara- tus for well No. 7	3,879	1,200	25	15.	81.
Flemington Water Company (Flemington) (Raritan Twp., part)	1 circular wooden coagulation basin and wood-tub type gravity filter	2,729 7,824	2,500	99	64.	35.
Gloucester (Municipality)	1 driven well, No. 29, 173' deep, to be treated by exist- ing units	13,796	13,600	1,440	84.	38.
Greenwich Township (Municipality—Gibbstown Section)	Chlorination discontinued as of 4-9-35	2,361	600	46	64.	7.
Hamilton Square Water Company (Hamilton Twp., Hamilton Square Section)	1 driven well, No. 1, 207' deep	27,121	500	6	34.	0.
Keyport (Municipality)	1 driven well, 296' deep	4,940	4,940	398	14.	6.
Lavallette (Municipality)	Chlorine sterilization appara- tus	287	700	36	23.	176.
Long Beach Water Company (Beach Haven Terrace)	1 driven well, 617' 7" deep, to replace existing well	715	500	92	15.6	3.
Mays Landing Water Power Company (Mays Landing Section of Hamilton Twp., Atlantic County)	2 driven wells, Nos. 3 and 4, 160' deep, to be located in Belcoville	3,183	1,500	60	44.	43.
Mountain Heights Water Company (Lincoln Park)	1 driven well, 204' deep	1,831			106.	76.

Maple Shade
Water Company

TABLE No. 21—DESCRIPTIVE DATA OF PUBLIC WATER SUPPLIES IN NEW JERSEY—Continued

OWNER AND MUNICIPALITIES SUPPLIED	SOURCE OF NEW SUPPLY	ALTERATIONS AND ADDITIONS TO EXISTING SUPPLY	Population, 1930, Permanent	Average Yearly Population Supplied, 1934	1934 Consumption in 1,000 Gallons Per Day	Hardness	Alkalinity	PREVIOUS NAMES OF SUPPLIES
New Jersey Water Company (Haddon Heights) (Audubon) (Bellmawr) (Barrington) (Camden, part) (Delaware Twp., part) (Haddonfield, part) (Haddon Twp., part) (Mt. Ephraim) (Oaklyn) (Pennsauken Twp., part) (Runnemede) (Voorhees Twp., Ashland Terrace Section)		5 driven wells, Nos. 39 to 43, inclusive, 160 to 168' deep, to replace old wells Nos. 12, 21, 20, 23 and 25	5,394 8,904 1,123 2,252 118,700 5,734 8,857 9,198 2,319 3,843 16,915 2,436 1,405	35,285	1,167	47.	10.	
Nicholas, H. R. H. (Mt. Olive Twp., Flanders Section)		2 springs	1,235			30.	19.	
Park Ridge (Municipality) (Montvale) (Woodcliff Lake) (Rivervale, part)		1 driven well, No. 3, 502' deep	2,229 1,243 871 871	4,930	194	128.	103.	
Passaic Valley Water Commission (Clifton) (Passaic) (Paterson, part) (Prospect Park)		12 additional filters and appurtenances	46,875 62,959 138,513 5,909	284,019	15,792	20.	7.	Montclair Water Co.; Passaic Consolidated Water Company
Pottersville Water Company (Bedminster Twp., Pottersville Section, part)		Chlorine sterilization apparatus	1,374	350	129	40.	16.	

Ridgewood (Municipality) (Glen Rock) (Hohokus) (Midland Park)		2 driven wells, Nos. 1 and 4, 315 to 413' deep, at Wyckoff	12,188 4,369 925 3,638	20,440	1,281	166.	70.	Bergen Water Company
South Jersey Water Supply Company (Mullica Hill)		Ratchet chlorine feeder	1,827	600	58	52.	261.	Harrison Heights Improvement Co.
South Orange (Municipality)		Aerator	13,630	14,000	1,048	17.	41.6	
Tri-Corner Realty Company (Franklin Lakes Boro)	1 driven well, 86' deep		895			56.	23.	
Tuckerton Water Company (Tuckerton)		1 driven well, 477' deep, to be treated by existing units	1,429	1,000	112	8.	2.	
Vineland (Municipality) (Landis Twp., part)		1 driven well, No. 3, 168' deep	7,556 14,047	10,000	1,165	20.	16.	
Water Witch Club of Monmouth Hills (Middletown Twp.)	4 driven wells, 140 to 225' deep		9,209	125	10	110.	112.	
Woodbury (Municipality) (Woodbury Heights) (Deptford Twp., part)		1 driven well, 314' deep; pumping station, covering for part of existing open reservoir for chlorination, venturi tube and meter, lines and valves	8,172 987 4,507	9,272	633	28.	142.	

TABLE No. 22—WATER SUPPLIES ABANDONED FROM JULY 1, 1934, TO JUNE 30, 1935

LOCATION	OWNER	SOURCE OF SUPPLY	TREATMENT
Budd Lake	Nettle Canfield	1 spring	
Fairlawn	Mrs. Emma Vanderbeck	1 driven well, 150' deep	
Gloucester Township	R. I. Lamoreaux	2 driven wells, 80' deep	
Phillipsburg	Lehigh Water Company	Delaware River, Infiltration gallery	Chlorination
Princeton Township	Margaret Thieme	1 driven well, 170' deep	Chlorination

Report of the Bureau of Food and Drugs

For the Year Ending June 30, 1935

W. W. SCOFIELD, CHIEF

This Bureau enforces laws passed by the Legislature to prevent the adulteration, misbranding, and substitution of inferior articles for standard foods and drugs, and also those laws passed to prevent the handling, preparation, storage and transportation of foods and drugs under unclean conditions.

The Food and Drug Act of this State passed in 1907 is in harmony with the provisions of the Federal Food and Drug Act, and this law has been amended by the passage of several acts, such as, the Sanitary Act, the Non-Alcoholic Beverage Act, the act prohibiting the use of sulphites in meats, the act governing the manufacture and distribution of ice cream, and the act governing the production, handling and distribution of milk, cream and milk products. In addition to these acts, the Legislature has passed special laws governing the distribution and sale of oleo-margarine, the "Filled" Milk Act, the Methyl Alcohol Act, the Cold Storage Act, the Slaughter-house Act, the Egg-breaking Act, and the laws governing the production, sale and distribution of shellfish.

During the year inspections of dairy farms in New Jersey, as well as of dairy farms located in other States where milk is produced for distribution in New Jersey, have been made by agents of this Department. These investigations have shown that there has been a great improvement in the sanitary conditions of the dairies supplying milk to New Jersey and in the methods employed in the production of milk. It is gratifying to note that the requirements governing the production and handling of milk laid down in Chapter 243 of the Laws of 1933, which were thought

to be very drastic by many producers of milk at the time of enactment, have now been generally accepted. Most producers are to be complimented for their efforts to meet these requirements and for the expenditure of time and money to equip and operate their dairy farms in a manner which has resulted in the production of clean and wholesome milk.

The following table shows the number of inspections of milk plants and dairy farms made by representatives of this Department during the year.

<i>State</i>	<i>No. of Inspections of Milk Plants</i>	<i>No. of Inspections of Dairies</i>
New Jersey	1,038	5,096
Delaware	5	148
Indiana	3	53
Maryland	10	311
New York	45	1,619
Ohio	3	87
Pennsylvania	56	2,024
	<hr/> 1,160	<hr/> 9,338

The following table shows the number of reports of inspections of dairy farms and milk plants received from local boards of health in this State:

<i>State</i>	<i>No. of Inspections of Milk Plants</i>	<i>No. of Inspections of Dairy Farms</i>
Delaware	1	38
Michigan	1	230
New York	36	2,752
Pennsylvania	12	1,094
Virginia	1	82
Wisconsin	7	906
	<hr/> 58	<hr/> 5,102

This Bureau gratefully acknowledges the receipt of these detailed reports of inspections of dairies and milk plants, and desires to point out that the success in the enforcement of this work is due to the combined efforts of these agencies. This co-operative work between this Bureau and the milk inspection agencies of municipalities in this State has prevented duplication of inspections and has resulted in covering a much larger field.

Collection of Milk, Cream and Milk Products—During the year 4,651 samples of milk and cream collected by agents of this Department were examined chemically. None of these samples contained preservatives and a very small number of samples of milk had been adulterated with water. A small percentage of the samples collected failed to meet the legal standards for total solids or for milk fat.

Ice Cream Factory Inspection—One full-time inspector is now engaged in inspecting places where ice cream, frozen custard, sherbets and ices are manufactured and in collecting samples of these articles for analyses. A considerable improvement has been observed during the past year in the sanitary conditions and methods employed in the manufacture of frozen products for distribution in New Jersey. Inspection has been stressed in those places at summer resorts where in past years crude temporary quarters were provided for the manufacture of frozen custards, etc. During the past year, these temporary places have been practically eliminated and permanent places, which comply with the law, have been provided.

During the year, 1,338 inspections have been made of places where ice cream, sherbets or ices are manufactured for distribution in New Jersey, and 1,131 samples have been collected for examination. Of this number 102 samples were found to differ from the legal standard.

Non-Alcoholic Beverage and Bottled Water Plant Inspection—During the year, 545 inspections were made of beverage and water bottling plants, and 223 samples were collected for analyses.

Slaughter-house Inspection—During the year inspections were made of 141 slaughter-houses in this State. These inspections show that these plants are operated in substantial compliance with the law.

Canning Factory Inspection—During the year 84 inspections were made of canning factories in this State. Special attention was given to the sorting of raw materials to prevent the entrance of unfit materials into canned foods. Our investigations showed that the pack was good, and the operators of the canning factories

were co-operative in meeting the requirements in force in this State. During the year 57 samples of canned foods were collected at the canning factories for examination.

Alcoholic Beverages—The collection of samples of alcoholic liquors showed that the labeling of these articles is still a problem for investigation. In several instances whisky and cordials have been found to be labeled in a deceptive manner. In certain cases statements were made on labels indicating that the whisky had been “aged in the wood” and upon examination, certain samples so labeled were found to be artificially colored. In the case of cordials, in one instance the article had been labeled “colored with caramel”, when in fact it was found to be colored with a coal tar dye. In a number of cases alcoholic beverages bore false statements on the labels regarding the alcoholic content. It is planned to continue the investigation of alcoholic liquors from time to time, with the view of correcting the misbranding of these articles.

Penalties—During the year \$4,333.24 was collected in penalties and costs for violations of the Food and Drug Laws.

Fees—The following fees were collected during the year for licenses and permits:

Milk Permits	600	@	\$25.00	\$15,000.00
Ice Cream Licenses	14	@	100.00	1,400.00
Ice Cream Licenses	16	@	50.00	800.00
Ice Cream Licenses	11	@	25.00	275.00
Ice Cream Licenses	27	@	10.00	270.00
Ice Cream Licenses	485	@	5.00	2,425.00
Cold Storage Plant Licenses	25	@	10.00	250.00
Narcotic Drug Licenses	2	@	50.00	100.00
Narcotic Drug Licenses	11	@	5.00	55.00
				<hr/>
				\$20,575.00

TABLE 1

Samples of Milk, Cream, Foods, Drugs, Collected for Analyses

	<i>Above Standard</i>	<i>Below Standard</i>	<i>Total</i>
Milk and cream	4,529	122	4,651
Foods	2,563	359	2,922
Drugs	400	136	536
Alcoholic beverages	169	49	218
Miscellaneous	7	15	22
<hr/>			<hr/>
	7,668	681	8,349

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TABLE 2

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

	<i>Inspections</i>
Dairy farms	9,338
Milk plants	1,160
Ice cream factories	1,338
Non-alcoholic beverage and water bottling plants	545
Slaughter-houses	141
Cold storage warehouses	273
Egg breaking establishments	20
Canning factories	84
Alcoholic beverage establishments	69
Macaroni factories	25
Pickling plants	9
Meat packing plants	11
Candy factories	19
Miscellaneous establishments	10
	<hr/> 13,042

Cold Storage—Section 8, Chapter 101 of the Laws of 1916 (the Cold Storage Act), provides that the State 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 on each particular lot of food on which extensions of time were granted shall be included in the annual report of the Director of Health.

During the last fiscal year from July 1, 1934, to June 30, 1935, extensions of time were granted for the storage of food in cold storage, as follows:

<i>Quantity</i>	<i>Article</i>	<i>Extension Granted</i>
11,517 boxes	Cheese	3 months
84—100 lb. boxes	Game	3 months
299— 50 lb. cases	Fresh Meat	1 month
42— 50 lb. cases	Poultry	1 month
975— 30 lb. cans	Egg Yolk	3 months

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

SUMMARY OF THE KINDS AND AMOUNTS OF FOODS IN COLD STORAGE WAREHOUSES IN NEW JERSEY ON THE LAST DAY OF EACH MONTH DURING THE YEAR 1934-1935

ARTICLE	July 1934	Aug. 1934	Sept. 1934	Oct. 1934	Nov. 1934	Dec. 1934	Jan. 1935	Feb. 1935	March 1935	April 1935	May 1935	June 1935
Eggs, cases	619,406	520,934	434,721	286,672	158,493	50,770	2,365	4,500	92,373	206,486	440,758	561,396
Eggs, broken, lbs.	4,692,781	4,298,516	3,432,614	3,040,478	2,981,392	2,949,583	2,427,357	2,003,530	1,874,953	1,564,738	2,129,090	2,693,223
Cheese, lbs.	7,256,032	7,344,331	7,367,084	6,456,309	6,595,950	6,285,762	5,207,716	4,498,062	3,881,872	3,292,006	3,069,191	3,926,619
Butter, lbs.	3,263,020	3,852,999	4,344,192	3,432,134	1,964,593	556,267	360,856	406,561	328,694	311,762	1,400,743	5,215,253
Poultry, lbs.	6,933,530	7,193,244	7,526,356	8,836,297	10,474,574	11,198,064	10,400,809	9,734,596	9,392,585	7,955,932	7,413,145	7,808,413
Fresh meats, lbs.	1,992,115	4,323,208	6,711,013	4,786,465	4,681,507	5,591,255	5,640,879	5,477,105	6,300,795	6,606,676	6,246,949	6,837,888
Fresh fish, lbs.	2,197,054	2,420,222	2,458,746	2,828,251	2,882,105	2,450,057	1,927,024	1,155,456	811,758	908,250	1,781,397	1,541,988
Milk and milk products, lbs.	112,367	88,346	81,912	67,500	30,036	21,236	14,292	11,108	1,188	5,528	52,080	752,544
Edible fats & oils, lbs.	2,942,522	3,438,958	392,155	264,332	301,398	559,552	842,985	663,908	1,130,561	870,739	842,262	1,277,170
Game, lbs.	166	166	241	747	1,778	1,676	250	150	210	150	150	.....
Miscellaneous articles, pkgs.	91,374	150,963	372,862	754,282	799,769	711,463	522,515	471,723	354,632	198,375	149,559	122,535

Sanitary Shellfish Control.—In October funds to employ a force of three graduate bacteriologists as Shellfish Investigators were provided from a special fund of the State House Commission, which permitted the operation of two field laboratories and adequate inspection of shellfish producing waters and methods of distribution. The United States Public Health Service thereupon gave their approval to interstate shipments of New Jersey shellfish.

During the past fiscal year 435 shippers of shellfish in the shell and 21 shucking houses have been granted shellfish certificates. There have been made 865 inspections of shellfish shippers, 142 inspections of shucking establishments, and 198 special investigations of shellfish waters. In addition, there have been examined in the field laboratories or upon the laboratory boat "Inspector" 1,921 samples of water and 280 samples of oysters, hard and soft clams. By the use of these facilities it is believed that an adequate mechanism for the sanitary control of the shellfish industry in New Jersey has been set up during the past year.

Two experimental shellfish treatment plants in which shellfish are permitted to condition themselves in sterilized water have been successfully operated during the past year as a demonstration of the feasibility of this method of conditioning shellfish and safeguarding the sanitary quality of the product.

During May and June of 1935, intensive investigation was made of the waters of Raritan Bay, in conjunction with the United States Public Health Service, the New York State Conservation Department, and the New York City Department of Health. Seven hundred and thirty-one samples of water were collected from this area, which resulted in the demonstration that all of the present approved areas of this bay were reapproved, with the exception of a triangular area adjoining the interstate border off the point of Sandy Hook.

Report of the Bureau of Bacteriology

For the Year Ending June 30, 1935

J. V. MULCAHY, CHIEF

This report is a summary of the work of the Bureau of Bacteriology for the fiscal year ending June 30, 1935. This summary is shown in the tabulations of specimens from cases and suspected cases of communicable diseases and other specimens for bacteriological and serological examinations.

These specimens are received from the physicians to aid them in making a diagnosis in suspected cases of communicable diseases, also from cases of communicable diseases for the termination of quarantine as in cases of diphtheria and for the release of cases of typhoid fever after convalescence. Serological examinations of blood for the Wassermann test are made for physicians as an aid in diagnosis and treatment of cases of syphilis. Examinations of specimens are made for physicians located in State institutions from inmates and from all new admittances to these State institutions to prevent the introduction of disease carriers into these institutions.

Feces, urine and blood and nose and throat specimens are examined from food handlers. The majority of food handlers from whom specimens are examined are men and women who are milk handlers of certified milk, New Jersey Official Grade "A" Milk, persons engaged handling foods in C. C. C. camps, camps run by other organizations, local boards of health and schools, and in cases of outbreaks of disease, persons engaged in handling other varieties of food.

Food specimens of various kinds have been examined that were suspected of being responsible for acute cases of gastro-intestinal illness occurring in families or in inmates of State institutions.

The use of the facilities of the laboratory is shown most forcibly by the large number of blood specimens received for examination by means of the Wassermann reaction for syphilis. It indicates that more specimens are being sent to the laboratory to assist the physicians in the early diagnosis of cases of this disease, also to rule out this disease in obscure cases of illness, and also in their cases under treatment to determine the need of further specific treatment.

It will be seen from Table I that 49,762 blood specimens were examined during the year for the Wassermann reaction. Supplementary tests on these specimens by means of the Kahn reaction that do not show in Table I total 6,737 examinations.

TABLE I

TOTAL NUMBER OF SPECIMENS EXAMINED DURING THE FISCAL YEAR
ENDING JUNE 30, 1935

Diphtheria	9,178
Tuberculosis	10,018
Typhoid fever	3,895
Typhoid bacilli (feces and urine)	5,997
Gonorrhoea	6,171
Syphilis	49,762
Miscellaneous specimens	4,652
Total	<hr/> 89,673

The 4,652 miscellaneous specimens shown in this table are classified in Table XI to show the various kinds of examinations made under this heading.

There has been a marked increase in the number of specimens of sputum received for examination for evidence of tuberculosis. Many of these specimens, however, are received from patients in hospitals for the care of tubercular patients, and are sent in periodically to check on the effect of the care and treatment of these patients. An increase is also shown in the number of specimens examined for the agglutination test for typhoid fever, for gonorrhoea and in the time-consuming miscellaneous examinations.

It is gratifying to realize the laboratory is so increasingly useful to the physicians of the State and every effort is made to comply with every demand on the resources of the laboratory that are in any way of value in the interest of the public health.

Supplementing the work of a strictly routine nature, members of the staff have been able to include special problems relating to the improvement of methods. Investigation has been made of the value of selective culture media for the isolation of tubercle bacilli as compared with the results of guinea pig inoculation in cases of suspected tuberculosis when it has not been possible to demonstrate the presence of tubercle bacilli microscopically in stained smears of the sputum.

The microscopic method for the demonstration of capsules in accordance with the technique of Newfeld in the examination of specimens of sputum for the determination of pneumococcus type differentiation using rabbit sera has been compared with the mouse inoculation method and cultural methods. If the specimen can be forwarded to the laboratory in a fresh condition, this method of demonstration of capsules enables the laboratory to make a prompt determination of the invading type of pneumococcus in cases of pneumonia, saving several hours over the mouse method in administering serum therapy, which to be effective must be undertaken as early as possible in the course of the infection.

A number of cases of bacillary dysentery which occurred in this State during the year afforded the laboratory opportunity to isolate the organism from a number of specimens of feces, and to determine by serological and cultural methods the invading strain of dysentery bacilli.

This work required the inoculation of rabbits for the production of immune sera and the setting up of absorption tests to separate strains giving agglutination tests with two or more dysentery diagnostic sera.

Cases of erysipelas occurring in one of our State institutions required the examination of a number of specimens from inmates and contacts for the presence of hemolytic streptococci. Strains of hemolytic streptococci were isolated from these cases and an investigation of these isolated strains is now being made.

Examinations for intestinal protozoa, especially *Entamoeba histolytica*, have been made during the year on specimens of feces. A description of methods used and precautions in submitting specimens were given in the report of this Bureau last year. In some cases of suspected infection, examination has been made by a member of the staff carrying a microscope and other reagents to the hospital or home to assure getting a specimen that would be freshly collected for immediate examination. Examinations for amoeba to be of value, should be undertaken as soon as possible after the collection of the specimen, and if sent from a considerable distance from the laboratory should be kept in a warm condition and delivered for examination without undue delay.

Reactions were obtained in three instances by means of the Weil Felix reaction on three cases in a high dilution of 1-1280 on specimens of blood. In one of these cases giving a reaction, on the clinical history and subsequent death of the patient, it was considered that this patient might have been a case of Rocky Mountain fever.

During the year twenty-nine animal inoculations for the virulence of diphtheria organisms were made on cases where the organism persisted in the throat of convalescent cases of diphtheria for an unusually long period and from carriers. In some instances tests were made on cultures from municipal laboratories that have no facilities for this test. Nine of these specimens were found to be virulent. Inoculations were made on twenty-one animals of various food products suspected of being responsible for cases of food poisoning.

Thirty-five specimens of pleural fluid to be examined for tubercle bacilli were inoculated into animals. Of this number ten were positive.

Specimens of urine from suspected cases of renal tuberculosis were inoculated into animals in eighty-one cases, eight of which were positive.

Sputum from selected cases for the presence of tubercle bacilli was inoculated into eighteen animals, six of which were positive.

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Of twelve specimens of spinal fluid from suspected cases of tubercular meningitis animal inoculations on these specimens showed two positives.

Animal inoculations were made subdurally on all specimens of suspected rabies that were not found positive on direct microscopical examination or were so putrid when received that a satisfactory direct microscopical examination was not possible. During the year 140 inoculations were made on such specimens, in some instances requiring the inoculation of several animals in some of these badly contaminated specimens.

A total number of 177 animals' heads and one human brain were received for examination for rabies during the year. Of these, seventy-two (40.6%) were found positive.

Table II shows a comparison of specimens examined in this laboratory each year for the past ten years from suspected cases of rabies.

TABLE II

YEARLY TOTALS OF ANIMALS EXAMINED FOR RABIES FROM
1926 TO 1935, INCLUSIVE

	1926	1927	1928	1929	1930	1931	1932	1933	1934	1935
Positive	202	164	93	106	96	80	177	130	86	72
Negative	145	132	116	115	121	114	123	121	93	94
Unsatisfactory.	25	26	19	22	11	8	27	21	10	12
Total	372	322	228	243	228	202	327	272	189	178

While rabies is still prevalent throughout the State it will be noted that fewer dogs have been found rabid than in any other year shown in this tabulation. Some examinations for rabies are made in several other laboratories situated in the northern part of the State and reports received by this Department show that 115 dogs including those examined in this laboratory, were found to be affected with rabies during the year ending June 30, 1935.

Table XIII shows the species of animals examined for evidence of rabies. It will be noted that twelve of these specimens were received in such an unsatisfactory condition that it was not possible to make an examination. These specimens were either

so badly decomposed or the brain so destroyed by shooting that no formed brain tissue could be obtained for examination.

Attention has been directed in past reports of this Bureau and in publications of this Department to the need of careful icing of the specimen when shipping an animal's head for laboratory examination and cautioning against injury to the brain when the animal is killed.

Too often these dogs are killed immediately after biting a person, when they perhaps do not show any symptoms of rabies, and the laboratory examination fails to show any evidence of rabies either because the dog was not rabid or that it had been killed too early to reveal any evidence of rabies in the brain. It is then necessary to inoculate an animal with an emulsion of the brain and await the effect of this inoculation.

Unless a dog shows definite symptoms of rabies it should not be killed immediately, but kept securely chained and under observation. If the animal then shows symptoms of rabies within a few days it may then be killed and the head sent to the laboratory for examination. At that time the microscopic examination will be quite conclusive.

On the other hand if the animal remains alive and shows no symptoms of rabies for a period of two weeks, no anxiety need be felt that the animal was rabid at the time of biting a person.

In Table XII is shown the examinations made for evidence of undulant fever. It will be seen that of the 403 specimens of blood examined, 29 gave agglutination with the B. abortus antigen.

Table IX and Table X show the number of specimens of blood and spinal fluid examined for syphilis by means of the Wassermann reaction. The complement fixation test as carried out in this laboratory employs two antigens on each blood and spinal fluid specimen, one test with a plain alcoholic antigen and another test an alcoholic antigen reinforced with 0.2 per cent cholesterin.

The fixation period is carried out for four hours at an ice box temperature between 5-8° C. On all positive reactions obtained with the Wassermann reaction a Kahn precipitation test is made.

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The comparative results obtained with the use of the Wassermann reaction and the Kahn precipitation test, in our experience have been very satisfactory and serve both as a useful check on the laboratory results and give additional information to the physician submitting the specimens.

Table XV shows the kinds and number of mailing cases prepared for distribution for the collection and transmission of specimens to the laboratory for examination. These outfits are supplied to various repositories located in drug stores and offices of local boards of health, and in many instances directly to the physicians of the State and to those in charge of the medical service in State institutions.

These outfits comply with the postal regulations relating to the transmission of diseased material through the mail and the preparation of these outfits requiring the preparation of sterile enclosures including sterile swabs, bottles, needles and other items that go into the preparation of these outfits is an important phase of our work.

The demand for culture media for use in the examination of water and sewage samples, surf samples and swimming pools, together with culture media used in shellfish examinations and for use in field work of the Bureau of Engineering, has greatly increased during the past year. All this media is prepared, tubed and sterilized in this Bureau, also dilution water, collection bottles and other glassware and has kept our force very busy.

Our records show that from October 15, 1934, to June 30, 1935, over 1,000 liters of various culture media were prepared and tubed for the use of the other Bureaus of this Department.

During the year we have had groups from nurses' training schools, colleges and other interested persons visit the laboratory to observe procedures followed in a public health laboratory in the examination of specimens from cases of communicable diseases.

Opportunity has been allowed during the year for several voluntary workers to spend several months at a time in the laboratory to familiarize themselves with technical laboratory methods.

DEPARTMENT OF HEALTH

In the tabulations that follow is shown the various examinations made, and the number examined in this Bureau during the year, arranged and classified under the name of the disease for which they were examined.

TABLE III

Specimens Examined for Diphtheria Bacilli, Primary and Secondary, During
Fiscal Year Ending June 30, 1935, by Months

MONTH	Primary			Secondary			
	+	—	Uns.	+	—	Uns.	Total
July	5	492	19	7	137	2	662
August .....	..	409	30	1	117	5	562
September	11	583	23	3	283	3	906
October	24	745	11	72	320	7	1179
November	16	487	2	44	218	3	770
December	11	590	14	12	292	4	923
January	7	499	8	23	251	3	791
February	9	356	10	32	180	4	591
March	14	499	10	29	177	5	734
April	16	325	10	21	136	4	512
May	11	408	9	16	223	10	677
June	7	620	11	18	212	3	871
Total	131	6013	157	278	2546	53	9178

During the year twenty-nine 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, 1935, by Months

MONTH	Primary			Secondary			
	+	—	Uns.	+	—	Uns.	Total
July	48	334	6	108	398	5	899
August	63	252	..	130	378	3	826
September	37	225	1	124	275	1	663
October	44	302	4	133	352	1	836
November	44	299	1	81	263	8	696
December	37	311	2	152	401	3	906
January	37	318	2	104	351	3	815
February	49	330	2	98	401	8	888
March	42	347	2	113	399	3	906
April	47	318	3	132	409	5	914
May	39	376	8	88	323	8	842
June	43	335	2	88	354	5	827
Total	530	3747	33	1351	4304	53	10018

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TABLE V

Specimens Examined for Typhoid Fever Reaction, Primary and Secondary,
During Fiscal Year Ending June 30, 1935, by Months

MONTH	Primary			Secondary			
	+	—	Uns.	+	—	Uns.	Total
July	20	241	9	1	71	5	347
August	13	244	19	7	65	6	354
September	12	231	7	6	52	1	309
October	11	167	9	8	54	4	253
November	7	161	5	2	45	1	221
December	4	216	1	1	108	1	331
January	9	293	14	3	127	..	446
February	4	369	14	..	45	..	432
March	10	265	18	..	80	..	373
April	1	134	6	1	85	2	229
May	2	134	6	..	58	..	200
June	2	178	5	7	201	7	400
Total	95	2633	113	36	991	27	3895

TABLE VI

Specimens of Feces and Urine Examined for Typhoid Bacilli, Primary and
Secondary, During Fiscal Year Ending June 30, 1935, by Months

MONTH	Primary			Secondary			
	+	—	Uns.	+	—	Uns.	Total
July	3	483	1	2	186	..	675
August	2	425	2	8	130	1	568
September	3	443	2	13	148	1	610
October	3	518	2	4	95	1	623
November	1	259	1	1	52	..	314
December	2	354	2	3	145	..	506
January .....	..	475	4	1	253	1	734
February .....	..	307	3	2	135	..	447
March	1	284	5	4	128	2	424
April .....	..	181	1	4	62	..	248
May .....	..	194	1	1	82	1	279
June	3	300	2	2	261	1	569
Total	18	4223	26	45	1677	8	5997

DEPARTMENT OF HEALTH

TABLE VII

Specimens Examined for Gonococci (pus smears), Primary and Secondary,
During Fiscal Year Ending June 30, 1935, by Months

MONTH	Primary			Secondary			
	+	—	Uns.	+	—	Uns.	Total
July	90	314	..	17	101	..	522
August	106	341	5	38	107	4	601
September	100	307	3	19	109	3	541
October	105	278	19	28	114	8	552
November	80	309	6	28	90	5	518
December	59	219	12	15	95	7	407
January	71	290	10	28	83	3	485
February	67	314	11	14	96	5	507
March	59	319	7	15	99	2	501
April	70	328	7	22	97	1	525
May	95	351	12	21	100	2	561
June	74	264	9	19	81	4	461
Total	976	3614	101	264	1172	44	6171

TABLE VIII

Miscellaneous Specimens Examined, Primary and Secondary, During Fiscal
Year Ending June 30, 1935, by Months

MONTH	Primary			Secondary			
	+	—	Uns.	+	—	Uns.	Total
July	50	296	7	4	21	1	379
August	79	355	5	7	26	..	472
September	70	291	8	9	68	2	448
October	63	226	4	14	73	3	383
November	61	188	4	21	45	2	321
December	68	158	5	11	34	..	274
January	80	211	1	18	32	..	342
February	62	283	8	6	89	1	449
March	67	306	5	31	136	..	545
April	81	180	6	11	37	..	315
May	113	224	5	9	17	..	368
June	71	217	6	13	47	2	356
Total	863	2935	64	154	625	11	4652

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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, 1935, by Months

MONTH	Primary							Secondary							
	4+	3+	2+	+	±	—	Uns.	4+	3+	2+	+	±	—	Uns.	Total
July	129	8	25	6	10	2635	120	51	5	13	5	13	648	32	3700
August	156	11	18	8	23	2750	91	66	10	25	6	26	833	35	4058
September	123	8	14	8	20	2369	72	50	3	10	9	19	630	22	3357
October	149	6	17	11	21	2993	82	63	7	14	11	21	725	27	4147
November	131	15	12	13	30	2588	73	63	9	12	14	29	727	21	3737
December	105	6	6	9	17	2285	82	50	3	11	16	20	820	16	3446
January	115	3	10	6	20	3246	142	60	3	6	6	21	834	57	4529
February	120	3	12	13	21	3323	153	43	5	5	15	31	829	55	4628
March	157	11	30	19	27	3252	201	62	8	21	18	17	917	53	4793
April	129	10	23	13	30	3153	174	79	12	31	15	26	979	56	4730
May	137	7	15	28	18	3201	129	65	5	16	25	28	1035	39	4748
June	110	6	12	22	13	2507	123	58	3	11	16	13	937	58	3889
Total	1561	94	194	156	250	34302	1442	710	73	175	156	264	9914	471	49762

TABLE X

Specimens of Blood and Spinal Fluid Examined for Syphilis (Complement Fixation Test), with Cholesterinized Antigen, During Fiscal Year Ending June 30, 1935, by Months

MONTH	Primary							Secondary							
	4+	3+	2+	+	±	—	Uns.	4+	3+	2+	+	±	—	Uns.	Total
July	233	3	5	8	20	2544	120	129	7	12	18	31	538	32	3700
August	274	7	6	18	17	2644	91	246	7	7	34	59	613	35	4058
September	216	6	1	15	31	2273	72	128	4	..	25	39	525	22	3357
October	256	6	1	21	25	2888	82	174	11	6	33	27	590	27	4147
November	247	2	1	18	18	2503	73	156	7	1	43	50	597	21	3737
December	165	2	3	20	22	2216	82	132	4	1	33	36	714	16	3446
January	238	5	6	43	49	3059	142	167	10	2	44	60	647	57	4529
February	226	5	4	42	33	3182	153	150	4	2	53	61	658	55	4628
March	326	8	6	48	3	3105	201	229	13	11	50	..	740	53	4793
April	328	14	6	58	2	2950	174	335	9	13	99	1	685	56	4730
May	392	6	3	78	..	3017	129	277	10	7	147	2	731	39	4748
June	246	1	..	58	1	2364	123	198	1	1	100	1	737	58	3889
Total	3057	65	42	427	221	32745	1442	2321	87	63	679	367	7775	471	49762

TABLE XI

Miscellaneous Specimens Examined, Positive, Negative and Unsatisfactory,
During Fiscal Year Ending June 30, 1935

<i>Specimen for</i>	<i>Positive</i>	<i>Negative</i>	<i>Unsatisfactory</i>
Rabies	72	94	12
Amoeba .....	..	123	1
Bacterial infection (body fluids, feces, milk, pus, sputum, water, urine, etc.)	590	648	14
B. tuberculosis (body fluids, feces, pus and urine) ..	24	153	3
B. typhosus (blood, olive oil, milk and water)	1	12	..
Para-typhoid fever	1	1,112	18
B. para-typhosus (feces, milk, urine and water) ...	7	404	..
Dysentery	17	147	5
Gonococcus infection (urine) .....	..	1	..
Malarial parasite (blood)	1	33	1
Meningococci .....	..	4	..
Ophthalmia Neonatorum	46	27	2
Pneumonia	7	6	1
Spirochetes .....	..	2	..
Trichinosis .....	..	5	..
Tularemia .....	..	21	..
Typhus fever (blood reaction for)	3	17	2
Undulant fever	29	370	8
Vincent's Angina	197	303	6
Other unusual examinations	22	78	2
Total	1,017	3,560	75
Grand Total			4652

TABLE XII

Specimens Examined for Evidence of Brucella Infection, During Fiscal
Year Ending June 30, 1935

	<i>Positive</i>	<i>Negative</i>	<i>Unsatisfactory</i>
Undulant fever			
Agglutination test of human blood	29	366	8
Feces (Culture for type of organism) .....	..	1	..
Urine (Culture for type of organism) .....	..	1	..
B. abortus			
Agglutination test of cow's milk	1	..
Agglutination test of goats's milk	1	..
Total	29	370	8
Grand total			407

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TABLE XIII

Rabies Specimens, Species of Animals, Positive, Negative and Unsatisfactory,
Examined During Fiscal Year Ending June 30, 1935

Dogs—Positive, 72; Negative, 80; Unsatisfactory, 11.
Cats—Negative, 9.
Cows—Negative, 3.
Goat—Negative, 1.
Squirrel—Unsatisfactory, 1.
Child—Negative, 1.

TABLE XIV

Municipalities, Arranged by Counties, from Which Rabid Animals Were
Received During Fiscal Year Ending June 30, 1935

Burlington County—Maple Shade, 1; Moorestown, 1; Mt. Holly, 1; Riverton, 1;
Vincentown, 1.
Camden County—Camden, 16; Collingswood, 1; Haddon Heights, 2.
Gloucester County—South Westville, 1; Westville Grove, 2; Woodbury, 10.
Hunterdon County—Clinton, 2; Frenchtown, 1; Pittstown, 1; Quakertown, 1;
Stanton, 1.
Mercer County—Trenton, 12.
Middlesex County—Dunellen, 1; Plainsboro, 1; Stelton, 1.
Morris County—Dover, 3; Morris Plains, 1.
Ocean County—New Egypt, 2; Toms River, 1.
Salem County—Salem, 1.
Somerset County—Bound Brook, 1; Raritan, 1; Somerville, 1; Watchung 1.
Union County—Rahway, 1.
Warren County—Phillipsburg, 1.

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, 1935

Diphtheria—Regular mailing cases.....	10,056	
Serum tubes and swabs	337	
Extra swabs	2,883	
		<hr/>
		13,276
Tuberculosis mailing cases		13,005
Typhoid fever mailing cases		4,185
Malaria mailing cases		168
Gonorrhoea mailing cases		8,098
Feces and urine mailing cases		7,801
Syphilis mailing cases		55,438
Ophthalmia neonatorum mailing cases		141
		<hr/>
Total		102,112

Report of Bureau of Chemistry

For the Year Ending June 30, 1935

J. E. BACON, CHIEF

The Bureau of Chemistry makes chemical and bacteriological examinations of samples of foods, drugs, sewage and trade wastes collected by the Department's representatives in the enforcement of the Pure Food and Drug Act and of the Public Health Laws of New Jersey. The facilities of the laboratory are also extended to **Local Boards of Health**, State Department of Public Instruction, State Purchasing Commissioner, New Jersey State Police, State Board of Pharmacy, Fish and Game Commission, State Institutions and State Tax Department. Analyses are also made of various samples of foods and supplies purchased under specifications for institutional use, drugs collected by the inspectors of the State Board of Pharmacy, rural school waters submitted by Local Boards of Education, water supplies from camps maintained by benevolent associations and other miscellaneous samples.

Assistance is given to Local Boards of Health and water works laboratories desiring to install chemical control or supplement existing laboratory facilities. Instructions in chemical procedures are given the personnel of such laboratories when requested.

The Bureau makes investigations of those establishments producing chemicals which give rise to obnoxious, objectionable fumes and furnishes expert advice to Local Boards of Health to assist in abatement of such nuisances.

Eighteen thousand seven hundred and twenty-nine samples of food, drugs, water, sewage and miscellaneous preparations have been examined during the past year, being an increase of 20% in the number of samples analyzed. The tabulations indicate the variety of products analyzed.

The fluorine content of 132 of the public water supplies of the State has been determined during the past year. If the fluorine in drinking water appreciably exceeds 1.0 part per million, there is produced mottling or pitting of the teeth, particularly during the formative stage in children. The extent of this action depends on various factors, primarily the fluorine content of the water, but is also influenced by fluorine intake into the system from other foods consumed. Of all the public water supplies thus far examined only three show the fluorine content to slightly exceed the lower limit of 1.0 part per million above which attacking of the teeth enamel may result. The information obtained was given to the Bureau of Local Health Administration, that Bureau of the Department which investigates all epidemics and diseases. A survey of the teeth of school children in one of the towns where the fluorine content of the public water supply runs somewhat in excess of 1.0 part per million was conducted. Results of the preliminary investigation indicate slight evidence of mottled teeth in a small number of the children examined. It is contemplated to make analyses of the remainder of the public water supplies of the State as soon as possible to determine the fluorine content, but it is evident from the examinations already completed that the public water supplies of the State of New Jersey would be classified as of low fluorine content and the possibilities of endemic defective teeth due to the action of this chemical upon same is remote.

TABLE SHOWING NUMBER AND CHARACTER OF SAMPLES EXAMINED IN FOOD
AND DRUG LABORATORY DURING THE FISCAL
YEAR ENDING JUNE 30, 1935

	<i>Above Standard</i>	<i>Below Standard</i>	<i>Total</i>
Milk	3,840	101	3,941
Milk, bacteriological	18	...	18
Human Milk	2	...	2
Evaporated Milk	44	4	48
Chocolate Milk	4	...	4
Cream	565	3	568
Sour Cream	51	...	51
Ice Cream	978	72	1,050
Frozen Custards	29	25	54

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	<i>Above Standard</i>	<i>Below Standard</i>	<i>Total</i>
Sherbets	5	4	9
Butter	128	5	133
Cheese	63	54	117
Hamburg	423	16	439
Pork Sausage	264	79	343
Alcoholic Beverage	208	52	260
Soft Drinks	141	105	246
Relishes	10	2	12
Canned Vegetables	5	2	7
Tomato Products	42	1	43
Egg Noodles	4	5	9
Fruits for Arsenic Spray	73	10	83
Vegetable Oil	9	2	11
Olive Oil	175	54	229
Vinegar	44	9	53
Sugar	6	...	6
Extracts	44	22	66
Powder	5	...	5
Cakes	19	7	26
Candy	1	7	8
Miscellaneous	28	...	28
Total Foods and Miscellaneous	7,228	641	7,869
Boric Acid	8	...	8
Brown's Mixture	12	...	12
Castor Oil	25	...	25
Camphorated Oil	152	17	169
Chloroform Liniment	18	42	60
Citrate Magnesia	45	48	93
Creosolenes	4	...	4
Cod Liver Oil	5	...	5
Epsom Salts	5	...	5
Hydrogen Peroxide	138	17	155
Milk of Magnesia	4	...	4
Mineral Oil	1	4	5
Saccharin Tablets	21	21	42
Spirits Nitre	96	62	158
Tincture Ferric Chloride	35	7	42
Tincture Iodine	98	3	101
Witch Hazel	33	6	39
Urinalysis	15	...	15
Miscellaneous	29	2	31
Total Foods and Drugs	7,972	870	8,842

SAMPLES ANALYZED IN WATER AND SEWAGE LABORATORY FROM JULY 7, 1934, TO JUNE 30, 1935

MONTH	Public Water Supplies								Roadside Stand Supplies								Sewage Samples								Trade Waste Samples								Surf Samples								Miscellaneous								Experimental Samples								Sand Samples								Shellfish Waters								Total Samples								Total Working Units																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
	Collected by Local Boards of Health	Camp Samples	Collected by Em- ployees	Second Samples	U. S. Government	Institutions	Pay Samples	County	State	School	Dairy	Bottled Water Supplies	Bathing Water and Swimming Pool Samples	Water-shed Samples	Stream Samples	County	State	School	Dairy	Bottled Water Supplies	Bathing Water and Swimming Pool Samples	Water-shed Samples	Stream Samples	County	State	School	Dairy	Bottled Water Supplies	Bathing Water and Swimming Pool Samples	Water-shed Samples	Stream Samples	County	State	School	Dairy	Bottled Water Supplies	Bathing Water and Swimming Pool Samples	Water-shed Samples	Stream Samples	County	State	School	Dairy	Bottled Water Supplies	Bathing Water and Swimming Pool Samples	Water-shed Samples	Stream Samples	County	State	School	Dairy	Bottled Water Supplies	Bathing Water and Swimming Pool Samples	Water-shed Samples	Stream Samples	County	State	School	Dairy	Bottled Water Supplies	Bathing Water and Swimming Pool Samples	Water-shed Samples	Stream Samples	County	State	School	Dairy	Bottled Water Supplies	Bathing Water and Swimming Pool Samples	Water-shed 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Samples	County	State	School	Dairy	Bottled Water Supplies	Bathing Water and Swimming Pool Samples	Water-shed Samples	Stream Samples	County	State	School	Dairy

Report of the Bureau of Child Hygiene

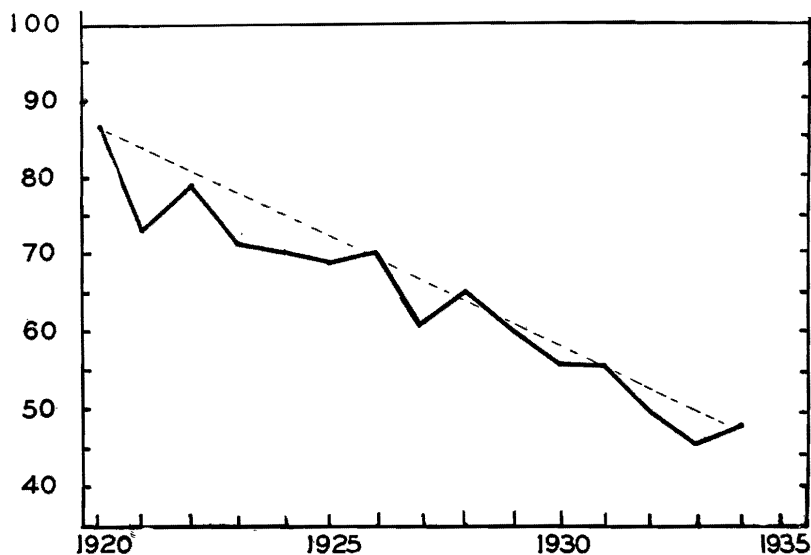
For the Calendar Year 1934

JULIUS LEVY, M. D., CONSULTANT

INFANT MORTALITY

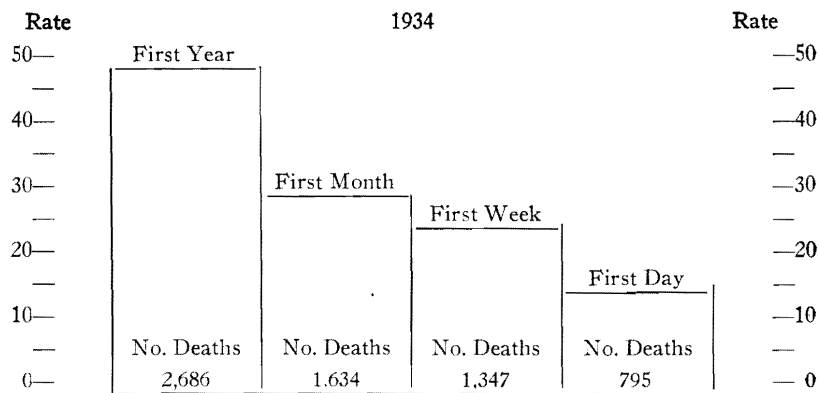
The infant mortality rate for New Jersey for 1934 was 48 per 1,000 live births. This is two points higher than the rate for 1933, which was the lowest rate ever reported in the State of New Jersey and represented a decrease of 10 per cent over the year 1932.

The following chart shows the continual decrease in the infant mortality rate from 1920:



Practically all the reductions in the mortality of the first year have occurred in the period over one month; the mortality in the first days and weeks presenting very little variations over a period of some 15 years. The two point increase in the infant mortality rate for 1934 occurred during the first day of life.

The following chart indicates that half the deaths under one year occur in the first week of life:



Of the 21 counties in the State 9 had infant mortality rates under 50, and 4 had infant mortality rates under 40.

Of the 10 larger cities, only 5 present an infant mortality rate over 50, while 3 have rates under 40.

The lowest infant mortality rate among cities with a population between 50,000 and 100,000 was found in Irvington with a rate of 26. Atlantic City presented the highest rate with 86.

HEALTH SUPERVISION

In spite of the economic depression, the Department has maintained and re-established health supervision of children in most of the communities in which it had been previously established.

At the present time, 441 communities are carrying on the State Child Hygiene Program under the supervision of this Bureau. There are 148 field nurses of whom 118 are entirely paid by the communities in which they work; 20 partly paid and only 10 entirely paid by the State Department of Health. The State re-

assumed whole or parts of the salaries of six nurses. The communities reassumed the salaries of four of these within six months. Fifteen communities in some six different counties assumed part of the salary of the nurses working in their communities.

The Child Hygiene nurses have continued to supervise the expectant mother, baby, preschool and school child in a given community. Where the continuous program has been maintained for a number of years, school authorities are realizing that children are coming to school in better physical condition, free from many of the defects that formerly interfered with proper school progress.

Through co-operation with the Emergency Relief Administration, a high degree of healthfulness and nutrition has been maintained among the supervised children. In a recent study of the weights of children, it was found that there had been no increase in the number of children under average weight.

PARENT-CHILD RELATIONSHIP COURSES

The Child Hygiene nurse, through her regular visits to expectant mothers, new-born infants and preschool children, has an opportunity to make clear to parents the importance of their attitudes on the future emotional make-up of the child.

During 1934, courses were arranged for both the nurses and district supervisors in Parent-Child Relationships. All the supervisors and some 75 of the Child Hygiene nurses enrolled for these courses given through Dana College of Newark.

STATISTICAL SUMMARY

One hundred and forty-eight Child Hygiene nurses, supervised by the State Department of Health, had under their supervision 6,821 expectant mothers, 20,057 babies, 39,338 preschool children and 122,069 school children.

118 of these nurses were paid by the communities

20 were paid partly by the communities and partly by the State

10 were paid entirely by the State.

These nurses covered 441 communities and conducted 146 baby-keep-well stations weekly.

Visits made in the homes by the nurses	304,594
To expectant mothers	28,835
To babies	115,366
To children of preschool age	105,508
To school children	54,885
Visits to Baby-Keep-Well Stations	97,471
By babies	70,860
By preschool children	26,611
Prenatal advice (expectant mothers)—	
Supervised prenatal cases	6,821
Address changed before delivery	456
Pregnancies ended	4,009
Infant Care—	
Babies supervised	20,057
New cases	10,646
Preschool Care—	
Children supervised (ages 1 to 6)	39,338
New cases	11,425
Illnesses and defects (not including school child)—	
Detected	7,037
Corrected	5,097
Contagious diseases—suspected cases discovered	1,887
Unsanitary conditions discovered	554
Eye smears taken	26
Suspected tuberculosis cases referred	509
Children under six years of age vaccinated	1,011
Children under six years of age receiving Toxoid	3,842
Little Mother Leagues conducted	44
Unreported births discovered	4
School Children supervised	122,069
Inspections (annual, general, classroom or assisting Dr.)	975,768
Defects detected	118,675
Defects corrected	45,722
Illnesses detected	3,791
Pupils excluded by principal	14,691
School children receiving Toxoid	3,370
Nose and throat cultures taken	46

BUREAU OF CHILD HYGIENE

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During the year, 15 communities assumed part of the salaries of the nurses. The salaries of four nurses, that had been assumed by the State due to financial conditions in their communities, were reassumed by the communities in which they worked.

EXTENSION

During the year 1934, 8 requests were received by the Bureau of Child Hygiene to place the Continuous Child Hygiene Program in the districts. These requests were made with the understanding that after a demonstration of one year was given, the salary would be assumed by the local boards of health and education at the end of the year.

As our funds permitted, we placed 8 nurses in the following districts:

<i>Community</i>	<i>County</i>
Lower Penns Neck Township	Salem
Clinton	Hunterdon
Hamilton Township	Mercer
Ewing Township	Mercer
South Amboy (2 nurses)	Middlesex
Lodi Township	Bergen
West Milford Township	Passaic

RETENTION

Due to the depression, many communities were unable to collect taxes owed them and therefore were unable to meet obligations assumed by them. In spite of this condition, however, 20 new communities contributed \$6,055 and 200 municipalities and townships continued to contribute over \$205,000.

To accomplish this, visits were made to the president and clerk of the boards of education and to the chairman of the Township Committees or the presidents of the Board of Health. The work of the nurse was explained to them and the amount of appropriations necessary to continue her services discussed. In each instance, the boards expressed their willingness to carry on, if it would be at all possible.

The Parent-Teacher Associations or other interested service organizations were visited, and committees were appointed by these organizations and resolutions adopted recommending that the nurse's salary be assumed.

The following communities placed in their budgets amounts toward the salaries of the nurses. These appropriations were shared jointly by the boards of health and education.

<i>Community</i>	<i>County</i>
Estel Manor	Atlantic
Berlin	Camden
Vineland	Cumberland
Landis Township	Cumberland
Mine Hill Township	Morris
Haledon	Passaic
Carneys Point	Salem
Penns Grove	Salem
Stanhope	Sussex
Hopatcong Borough	Sussex
Byran Township	Sussex
Stillwater Township	Sussex
Fredon Township	Sussex
Andover Township	Sussex
Hamburg Borough	Sussex
Wantage Township	Sussex
Frankford	Sussex
Branchville	Sussex
Lafayette	Sussex
Sussex	Sussex

MIDWIFERY

During the year 1934 there were 414 licensed registered midwives in the State of New Jersey. Three hundred and sixty-four of these were supervised by the State Department of Health, 42 were under local supervision in Jersey City and 8 were from out of State. This was a decrease of 19 midwives as compared with last year.

Of the 364 licensed supervised midwives, 142 midwives each delivered more than 12 cases a year; 162 delivered less than 12 cases a year and 60 did not deliver any during the year. This shows a decrease both in the number of midwives and the number of cases delivered by them.

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UNLICENSED MIDWIVES

In 1934 there were no unlicensed active midwives. The practice of investigating all cases delivered by other than physicians or licensed midwives was continued and no evidence was found to prove that any unlicensed midwives were practicing.

NUMBER OF CASES DELIVERED BY MIDWIVES

The total births in 1933 was 56,072; in 1934, 54,841 giving a decrease of 1,231. The total births delivered by midwives in 1933 was 5,135 or 9.1 whereas in 1934 they delivered 4,372 or 8 per cent of the total births.

In some communities midwives delivered a considerable percentage of the total births; for instance:

Carteret	47.3	South River	38.1
Garfield	31.6	Perth Amboy	39.3

While this was from 8 to 10 per cent decrease in three communities in comparison with last year, there was 2.3 increase in Perth Amboy.

The following, giving total births and those delivered by midwives shows the trend for the past 15 years, since the organization of the Bureau:

<i>Year</i>	<i>Total Births</i>	<i>Births Delivered by Midwives</i>	<i>Percentage of Births Delivered by Midwives</i>
1918	70,935	30,000	42.2
1923	76,530	17,645	23.
1928	68,297	11,352	16.6
1933	56,072	5,135	9.1
1934	54,841	4,372	8.

Following shows counties where midwives delivered more than 10 per cent of the births for 1934:

<i>County</i>	<i>Total Births</i>	<i>Births Delivered by Midwives</i>	<i>Percentage of Births Delivered by Midwives</i>
Union	4,274	533	12.4
Passaic	4,011	509	12.7
Somerset	944	201	21.3
Middlesex	2,873	639	22.2

This showed a decrease of about 2 per cent in each instance.

Following shows cities where midwives delivered at least 10 per cent of the births in 1934:

<i>City</i>	<i>Total Births</i>	<i>Births Delivered by Midwives</i>	<i>Percentage of Births Delivered by Midwives</i>
Camden	1,775	190	10.5
Newark	6,186	616	10.
West New York	482	49	10.1
Belleville	404	44	10.9
Clifton	632	83	13.1
Bayonne	1,102	174	15.8
Passaic	738	99	13.4
Long Branch	257	42	16.3
Paterson	1,834	280	15.2
Linden	364	65	17.9
Cliffside Park	217	31	14.2
Hoboken	624	114	18.2
Lodi	179	38	21.2
Elizabeth	1,502	395	26.3
Perth Amboy	516	203	39.3
Garfield	446	141	31.6
South River	144	55	38.1
Carteret	186	88	47.3

The number of cities remained the same as last year. However the number of cases delivered by midwives dropped from 1 to 10 per cent.

SUPERVISION

During the year the nine midwives' county associations continued to hold interesting meetings. There were 85 meetings with an attendance of 1,327. This is a decrease in both the number of meetings and attendance as compared with last year, which was

largely due to the fact that in two communities where there are small groups of midwives, it was considered advisable to hold meetings every other month instead of every month. In addition, the 11th Annual Conference was held in Newark. It was an afternoon session and the attendance was about 175. The Annual Conference in 1933 was held in two sections of the State and was attended by about 225.

As subjects for lectures and discussion, arrangements were made with local obstetricians to give continuous series of lectures to cover "Newer Concepts in Obstetrics." This proved very satisfactory and helpful to the midwives.

Because of decreased activities among midwives, it was found advisable not to replace a district supervisor who resigned. The work of one district was divided and added to the work of district supervisors who were in charge of nearby districts. The supervisors attended 38 deliveries and early postpartum cases with midwives. There was a slight decrease in these activities because of the change in supervisors.

PRENATAL CASES

The number of prenatal cases reported by midwives remained about the same as last year. Midwives under supervision of the Department of Health referred 2,090 or about 48 per cent of the total cases delivered by them for prenatal follow-up.

ABNORMAL CASES

The supervised midwives reported 331 or 7.5 of the total cases delivered by them as abnormal. Of these in 287 instances doctors were called in; in 21 instances patients were sent to the hospitals and in 23 instances no doctor was called; thus, in 93 per cent of the abnormal cases reported by them, the patients were attended by doctors. The 23 cases where no doctors were called represent baby with six toes, twins, lacerations, illegitimate birth and difficulty in nursing. This record shows a slight improvement over last year. While midwives actually delivered fewer cases, the percentage of cases where doctors were called in was slightly

increased. This seems gratifying because there have been difficulties in persuading people who have been on relief or near relief to call in doctors.

MATERNAL MORTALITY

In 1934 the total number of maternal deaths was 292 whereas in 1933 it was 286, making an increase of 6 deaths. There is a decrease of 1,231 total births. After careful investigation, it was found that midwives were in attendance at some time during pregnancy, labor or lying-in on 12 of the maternal deaths. Thus, they attended 8 per cent of the total live births and 4.1 of the maternal deaths.

SPECIAL INVESTIGATIONS

Special investigations were made to determine whether or not midwives were responsible for the abnormal conditions in the following 26 cases:

Puerperal death	12	Puerperal fever	1
Infant deaths	7	Stillbirth	2
Sepsis	1		

CONGENITAL DEFORMITIES

During the year 1934 midwives reported nine cases of congenital deformities, immediately after the birth of the babies, to the State Crippled Children Commission. This is an increase in the number reported as compared with last year.

EMERGENCY RELIEF

Emergency relief arrangements made through the co-operation of the State Emergency Relief Administration whereby midwives were allowed to deliver their former patients for a fee of \$10 per case was continued during the year 1934. This has been a great help to many midwives.

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PROSECUTIONS

During the year 1934, the State Board of Medical Examiners revoked the license of one midwife. This was done upon a conviction in the local court on a charge of criminal abortion. This is a decided improvement as there were five cases referred and acted upon by the State Board of Medical Examiners last year.

MATERNITY HOMES

There were 28 applicants for license to conduct maternity homes in 1934.

Number of new maternity homes licensed	4
Number of maternity homes relicensed	24

There were no homes rejected during the year. Three homes licensed during 1933 were discontinued. In 24 instances the number of patients cared for in maternity homes range from one to four patients at a time. In four other instances the number of patients cared for at one time range from five to fifteen. The number of homes licensed during 1934 was the same as during the year 1933.

Licensed maternity homes were conducted as follows:

By graduate nurses	7
By practical nurses	18
By licensed, supervised midwives	3

In considering the number of cases cared for in maternity homes during the year 1934 we found the following:

Total number of cases delivered, 352.

Number maternal deaths	0
Number infant deaths	5
Number stillbirths	4

Regular inspections were made of all maternity homes and each abnormal case was carefully investigated.

Report of the Bureau of Venereal Disease Control

For the Year Ending June 30, 1935

ARTHUR JAY CASSELMAN, M.D., DR. P. H., CONSULTANT

The past year has been remarkable chiefly for the continuing growth of the venereal disease control program. One does not gasp at seeing the word "syphilis" appear in the newspaper instead of the one-time common "a blood disease." Nowhere is this change more apparent than in the reception given to venereal disease addresses. The higher the type of audience, the more attentive it is.

All evidence points to syphilis as being the next disease to be brought into extreme prominence and made the center of a frontal attack by public health forces. New York is taking the lead and has prepared a comprehensive program of attack, made possible by an extraordinary appropriation of \$120,000, in addition to the regular yearly one for the maintenance and operation of the Division of Social Hygiene in the New York State Department of Health. If nothing else is accomplished except to make the mention of gonorrhea and syphilis respectable, it will be well worth the money, but more than this will inevitably be accomplished. It will be realized that moral degradation does not necessarily accompany gonorrhea and syphilis; that the innocent victim of congenital syphilis should not be stigmatized for something that he could not possibly have prevented; that the syphilitic mother, source of the child born with syphilis, is only too often the victim of misplaced confidence in a husband; that along with these instances are the so-called accidental infections that are not venereal in their origins.

Cases of congenital syphilis should not exist. Medical science is ready to do its part and is prepared to save the child of a

pregnant, infected mother from syphilis, only however, if treatment be taken early in pregnancy and followed continuously until the birth of the child. Then the child will be born free from syphilis, and free from the handicaps that hitherto would have held it down. The gospel must be preached early and often that the pregnant mother must undergo an examination, which includes a routine Wassermann, in the first few months of pregnancy. A routine Wassermann on all women of child bearing age would disclose the presence of syphilis in many cases hitherto unknown; necessary treatment would cut all congenital syphilis and reduce the incidence of tertiary syphilis; and even some months after a syphilitic pregnancy has begun thorough treatment during the rest of the pregnancy will assure the birth of a non-syphilitic child.

New Jersey and New York have stood shoulder to shoulder in the valuable preventive work that is accomplished in educational measures. Adequate appropriations for the control of gonorrhea and syphilis should be forthcoming to enable New Jersey to keep step with New York in the successful prosecution of the treatment aspects of the venereal diseases.

New York will have a year's start of New Jersey, which may not be to our disadvantage, for we can take advantage of any shortcomings in New York's program and avoid them in formulating our own for mass control. Fifty thousand dollars should be made available for the work of the Bureau for the fiscal year ending 1937, in addition to the customary annual appropriation.

STATISTICS

The usual caution is given as to the difficulty of interpreting venereal disease statistics by any hard and fast rule. The customary report is made of the work in the Bureau that is susceptible of tabulation.

CASES REPORTED

Number of cases of venereal disease reported to the State Department of Health, for the twelve months ending June 30, 1932, 1933, 1934 and 1935:

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	1932	1933	1934	1935
Chancroid	54	39	79	58
Gonorrhea	4,088	3,734	3,272	3,321
Syphilis	7,911	7,007	7,125	7,074
Total	12,053	10,780	10,476	10,453

The table below gives the reported cases in New Jersey by county, disease and sex for the calendar year of 1934, together with the yearly 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	254	22	233	245	6	4	764	131,800	5.797
Bergen	108	45	162	150	6	0	471	391,400	1.203
Burlington ...	59	26	52	54	3	0	194	95,600	2.029
Camden	204	55	266	214	4	0	743	262,900	2.826
Cape May ...	33	1	19	12	0	0	65	31,200	2.083
Cumberland ..	68	12	41	47	3	0	171	71,400	2.395
Essex	1,045	217	1,385	1,863	24	4	4,538	864,500	5.249
Gloucester ...	22	3	32	19	0	0	76	74,700	1.017
Hudson	57	7	66	47	1	0	178	701,321	.254
Hunterdon ...	12	6	7	34	1	0	60	35,000	1.714
Mercer	202	34	243	159	5	0	643	191,800	3.352
Middlesex	103	25	125	83	5	0	341	220,700	1.545
Monmouth ...	69	11	154	160	0	0	394	154,400	2.552
Morris	42	16	64	73	3	0	198	115,200	1.719
Ocean	21	3	27	16	1	1	69	34,900	1.971
Passaic	154	48	147	100	1	1	451	309,459	1.457
Salem	34	10	148	67	2	0	261	36,900	7.073
Somerset	30	4	26	23	0	0	83	68,100	1.219
Sussex	13	2	3	0	0	0	18	28,300	.636
Union	102	34	169	88	0	0	393	323,206	1.216
Warren	13	1	8	6	0	0	28	50,000	.56
Total	2,645	582	3,377	3,460	65	10	10,139	4,192,786	2.418

This report shows a decrease of 21 cases of chancroid and 51 cases of syphilis, as well as an increase of 49 cases of gonorrhea as compared with the preceding fiscal year. Altogether there is a net decrease of 23 cases reported for the past fiscal year. It is also to be noted that the gonorrhea is 31.2 per cent of the whole, and syphilis 67.8 per cent of the whole number, the proportion being practically the same as for the preceding year.

DEPARTMENT OF HEALTH

CLINIC PATIENTS FOR FISCAL YEARS
1932, 1933, 1934 AND 1935

	1932	1933	1934	1935
Syphilis	4,309	4,810	4,663	4,516
Gonorrhea	2,383	2,638	2,381	2,445
Total	6,782	7,448	7,044	6,961

The proportion of the clinic patients to private patients has been practically the same for the past three years. For the fiscal year ending 1933 the clinic patients were 67 per cent; for the fiscal year 1934, 678 out of every thousand patients attended the clinics; and for the fiscal year just ended the clinic patients were 68 per cent. It would seem strange that the clinic patients should not have increased more rapidly with the continuation of the emergency. The explanation lies probably in the fact that many so-called private patients are indigent and are living so remote from clinics or co-operating physicians that it is a matter of economy to have them treated at public expense by private physicians.

ANALYSIS OF SOURCES OF INFECTION

The following table classifies the sources of infection that were reported to the State Department of Health for the fiscal years ending June 30, 1933, 1934 and 1935:

	1933	1934	1935
Professional prostitutes and brothels ..	22	35	37
Clandestine prostitutes	222	245	226
Husband or wife	170	207	197
Congenital	376	344	311
Miscellaneous	7	5	...
Total	797	836	771

It will be observed that as usual the congenital cases constitute the most numerous of those whose source of infection is given. In like manner the professional prostitute is the least. However, as the source is given in such a small number of the cases no conclusions can be drawn that would be applicable to the whole number.

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ACTION TAKEN ON SUSPECTED SOURCES OF INFECTION

During the past fiscal year 218 cases of persons reported as being the probable sources of infection have been referred to local health executives for investigation. This is a little less than the preceding year.

	1933	1934	1935
Under supervised medical treatment	59	59	56
Unable to locate the person named	42	51	70
Examined but found presumably non-infectious	34	48	32
Other acceptable disposition (agreed to take treatment, etc.)	23	21	25
Disposition unknown, or unsatisfactory (evaded supervision by moving, etc.)	3	7	1
Referred to health officials in other States	25	24	20
Handled by police authorities	3	3	5
No response from local health authorities	16	13	9
Total	205	226	218

The analysis of the foregoing indicates that the number put under supervised medical treatment remains about the same, while the number of sources that could not be located has increased. However, when one realizes that ordinarily the sources of infection come from the lower types of society, in many instances are itinerants and are only too frequently street pick-ups, it is surprising that so few are not located. We have excellent co-operation from health officials in other States, and it is gratifying to state that New Jersey reciprocates in turn by ferreting out sources of infection that have come from other States.

Besides the sources of infection referred to above, it has been necessary to take up with local health officers 26 cases for different reasons. Patients delinquent in taking treatment were reported direct to us in 28 cases and referred to local health executives in accordance with the law. No return as to the success of the local health officer in rounding up the patient is required by law.

CLINICS

During the past fiscal year a clinic was established at the Municipal Building in Bloomfield under the auspices of the local board of health. It is for syphilis only and is under the direction of Dr. Dunn. There are now 36 clinics in New Jersey.

DRUGS AND TREATMENT

The past year the care of the syphilitic patient on relief has been a problem that has worried both relief officials and health officials. Early in the "emergency" the relief authorities refused to pay for medical treatment of syphilitic patients on relief, claiming that this was a problem for local boards of health. It is true that the statutes make such boards financially responsible in cases of indigent infectious patients, but the law does not apply when a patient is no longer infectious. Nevertheless the relief authorities declined to pay for treatment of syphilis. The reason for this was not understandable, unless it was the old idea that syphilis was not a "nice" disease. It was out of the question for the Bureau of Venereal Disease Control to provide for medical treatment. It did, however, agree to supply drugs when the physicians certified that patients were indigent and infectious and would be treated for a minimum fee. The pressure for treatment of syphilitic patients became so great, however, that medical attention was provided in some cities by making a different diagnosis to comply with E. R. A. regulations and incidentally treating syphilis.

The Relief Commission is certainly impressed with the need of the treatment given but is staggered at the magnitude. It is hoping to find some way in which there can be an equitable arrangement made and have the indigent syphilitic properly cared for. At the present writing the whole matter is under study by the medical officers connected with the Relief Commission. In the meantime it is felt wise to continue the following policy of the Bureau of Venereal Disease Control in the free distribution of anti-syphilitic drugs to private physicians:

A. If when reporting a case of venereal disease the physician gives on the report blank the name and address of the probable source of infection.

B. If with the report card he sends a statement to the effect that the patient is infectious and indigent, and that the physician is not receiving for his services more than \$2.00 per week or more than \$2.00 per visit, payment of which is arranged for with the physician.

There may be impositions practiced by some physicians in certifying patients as infectious who strictly speaking are not so, but

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even so, treatment is indicated as tending to prevent their becoming public charges. Neoarsphenamine and bismuth subsalicylate and the iodides continue to be the standbys for the treatment of syphilis.

Two hundred seventy-four physicians were furnished neoarsphenamine and subsalicylate of bismuth gratis for having reported the name and address of the probable source of infection and 540 qualified for an equal amount of free drugs for treatment of indigent infectious cases.

CONFERENCE OF CLINIC WORKERS

A Conference of Venereal Disease Clinic Workers was held on November 2, 1934, at the Board of Health Building, East Orange. More than 75 persons attended. In addition to 25 physicians active in the clinics in the northern part of the State, there were present nurses, social workers, and health officers.

The morning session was devoted to a discussion of medical problems in the treatment of venereal diseases. Much interest was shown in the ovarian hormone treatment of gonorrheal vaginitis. Although there is dissatisfaction with local treatment, it was the consensus of opinion that until more experimental work has been undertaken, and sufficient time has elapsed to make sure that no injurious effects develop at puberty, caution must be observed in substituting theelin for local treatment.

The Bureau during the past year has supplied several amounts of amniotin for trial. Although more than half of the cases responded, the Bureau has too limited an appropriation to furnish this costly medication generally. Nor does it seem advisable at this experimental stage.

At the afternoon session the management of venereal disease clinics was discussed from the viewpoint of those responsible for investigating sources of infection and contacts, and keeping the patients under treatment until non-infectious.

SOCIAL WORKERS

The Bureau, following the custom of the past four years and acting as an associate group of the New Jersey Conference of Social Work, held a luncheon meeting at the annual conference of the latter organization at Asbury Park December 7, 1934. About 70 persons attended. The Consultant of the Bureau spoke on the subject "When Is a Person with a Venereal Disease Dangerous?" He gave the following minimum standard of infectiousness as an approximate working basis for health officers, public health nurses and social workers:

Syphilis: Until six months of intensive treatment (at least eight injections of neorsphenamine and eight injections of bismuth) has been given, or until the patient has had the disease five years.

Gonorrhea in Men: Until six months of freedom from discharge and laboratory evidence of disease.

Gonorrhea in Women: Until three months of freedom from discharge and other symptoms, and laboratory evidence.

Gonorrhea in Children: Until one month's freedom from discharge and other symptoms, and laboratory evidence of disease.

ROUTINE WASSERMANN'S IN HOSPITALS

For several years the Bureau has advocated Wassermann tests for all patients admitted to hospitals. Many have adopted the plan, at least for ward patients. At the West Jersey Homeopathic Hospital in Camden Wassermann tests have been a part of the hospital routine for seven years. A study was made at this hospital to determine how valuable the routine Wassermann test had been as a diagnostic measure. The study indicated that 6% of the adults admitted to the West Jersey Hospital over a period of seven years had positive Wassermanns. As might be expected the percentage of positive Wassermanns in the wards of the hospital was higher than that of the total hospital population, or about 8% as compared with 6% of the total.

At the Morristown Memorial Hospital, Morristown, 3,113 Wassermann tests have been made on hospital patients during the four years 1930-1933. Of this number 163, about 5%, were positive. At the Orange Memorial Hospital, Orange, routine Wassermann tests are made only on ward patients. In the past three years the positive reports have been about 4% of the total.

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These studies showed the presence of syphilis in 4% of the white population and 30% among the negroes. The percentage of syphilis in private room patients was less than 2% and in ward patients over 8%, showing that syphilis is four times as common among the ward patients as among those in private rooms. Syphilis, therefore, being four times as common among the less informed, the less intelligent, the poorer, is an avoidable disease which can be prevented by educational measures.

The results of these Wassermann studies have been published in 1935 in the Journal of the New Jersey State Medical Society.

It is evident that many unsuspected cases of syphilis were discovered through this practice of making the Wassermann test a part of the hospital routine. Efforts will be made to further the practice during the coming year.

The clinic at the Orange Memorial Hospital, a joint project of the Oranges and Maplewood, is endeavoring to make its facilities useful to physicians in these communities. To encourage early diagnoses a microscope with darkfield equipment has been installed by the Bureau in this clinic. A demonstration was held June 27, attended by 20 practicing physicians. Any physician of these five municipalities has the privilege of bringing patients with primary lesions to the hospital for a darkfield examination.

C. C. C.

The activities of the Bureau in co-operation with the Federal Government in the protection of the C. C. C. enrollees at Camp Dix and the local camps throughout the State has continued for the past three years. During the year a representative of the Bureau has spoken to thirty-one groups at Camp Dix, or 45,500 in all, with an average attendance of a little over 1,100. Two talks have been given to each of the twenty-one local C. C. C. camps of the State, with a total attendance of 4,358. During the past year requests were made of the Bureau to include in the addresses the five Federal Transient Camps located at North Haledon, Clinton, Allaire, Oakland and Delaware Water Gap. These latter camps are made up of men from other States who have found themselves stranded without food or shelter in New

Jersey. Eighty-seven per cent of those young men addressed at Camp Dix and the other C. C. C. camps were New Jersey residents.

Aside from the talks given to these camps, a close co-operation has existed between the Bureau and the Federal officers in tracing infections that have been found in various camps. While this condition has been kept to a minimum, there has been an occasional report of enrollees who have been on two or three days' leave. In many instances the sources have been found and through the efforts of the local health officers have been placed under treatment. It has been the aim of the Bureau to keep the camp areas cleared of clandestine prostitutes who are known to be infected. Letters of commendation have been received by the Bureau for the work being done, and it is claimed that New Jersey has less venereal disease in the camps than any other State in the Union.

INVESTIGATIONAL

The investigations by the Bureau have increased from year to year and many requests have come in from local health officers for a representative to assist them in investigating the venereal disease conditions which have been found in many rural communities. This work is done more as an instructive measure to local health officers who find themselves in a position where practical experience is necessary. As a result of these investigations four prostitutes have been apprehended and sentenced to Clinton Reformatory for Women. In every instance evidence was at hand to satisfy the court that the woman was a decided menace to the community.

The county judges, prosecutors and other officials are at all times eager to co-operate in disposing of these prostitute cases, even to the extent of sitting in a special session, so those who have been apprehended may not remain overnight in the county jail but be taken to Clinton at once.

The idea of the Bureau is to handle one case for each local health officer and thus demonstrate how others may be cared for.

The Bureau has endeavored to hew close to the line and confine its activities strictly to the health angles. Repeated calls are made

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upon it to clean up sources of immorality, but unless the disease element has been involved the Bureau does not participate. Long experience helps in determining whether the case is one for the police officer or the health officer, or both. As soon as any health problem is solved the police are left in full charge. Nor is the State inclined to supersede the local health executive in any way.

Another activity taken up by the Bureau at this time is getting the canning factories to co-operate in having all of their employees examined for syphilis, and if found to be infected, then to undergo treatment. One plant employing nearly 500 people has completed their examination and those found to be infected are taking treatments regularly. Four hundred forty-seven of these employees were examined, of which number fifty-three were found to be positive. Forty-eight of this number continued their treatments and are considered safe to continue their employment.

EDUCATIONAL

As heretofore the largest attendance has come from C. C. C. groups. In fact the lectures, it is thought, are responsible for the practical absence of venereal diseases, not only at Camp Dix but in the many branch camps in New Jersey. Sporadic cases of gonorrhea and syphilis do occur, but the men have been so thoroughly aroused to the dangers of venereal disease that they are more careful about exposing themselves and seek medical treatment at the earliest opportunity.

It has not been the policy of the Bureau of Venereal Disease Control to have meetings primarily for addresses on venereal diseases, but to have speakers appear on programs of organizations making a feature of a lecture of entertainment, etc. Rather than seek an audience it is better to send a speaker where the audience is already provided. It is always gratifying to find an organization with many units by whom lectures on venereal disease and sex education are appreciated at full value. Last season a lecture to a Woman's Republican Club opened a new door, for it was immediately followed by 25 more lectures to women's political clubs. A special drive will be made the coming season to bring our preventive work before permanent political clubs of both parties and both sexes.

DEPARTMENT OF HEALTH

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

1934-35	Men Only		Women Only		Men & Women Together		Students		Totals	
	No. Meet.	Attendance.	No. Meet.	Attendance.	No. Meet.	Attendance.	No. Meet.	Attendance.	No. Meet.	Attendance.
July	14	6,418	2	200	2	18	..	..	18	6,636
August	7	1,051	..	..	..	..	..	..	7	1,051
September ...	5	330	5	145	..	..	..	..	10	475
October	9	11,226	24	885	1	75	21	2,128	55	14,314
November ...	4	1,010	29	1,113	11	1,095	6	561	50	3,779
December ...	2	90	16	626	5	257	36	4,927	59	5,900
January	8	1,310	20	844	8	645	3	765	39	3,564
February	6	253	17	578	4	263	7	1,140	34	2,234
March	14	1,543	17	795	6	484	4	415	41	3,237
April	16	13,405	12	424	7	250	5	375	40	14,454
May	10	3,146	20	770	3	530	3	440	36	4,886
June	14	475	5	170	..	..	..	..	19	645
Totals	109	40,257	167	6,550	47	3,617	85	10,751	408	61,175

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	103	5,783
Children of high school age	82	10,651
Nurses	66	2,236
Civilian Conservation Corps	48	35,769
Women's Political Clubs	26	990
Kiwanis Clubs	13	418
Junior Order United American Mechanics	12	798
Rotary Clubs	12	356
Men's Miscellaneous Organizations	8	551
Women's Organizations	7	443
Colored Groups	6	360
Social Workers	4	230
Independent Order of Odd Fellows	4	195
Reformatory Inmates	3	1,750
Lions Clubs	3	60
Church Men's Clubs	2	80
Film Exhibitions Only	2	130
Public Health Course	2	18
Men's Political Clubs	1	150
Teachers	1	120
Medical Society	1	37
College Women	1	30
Doctors	1	20
Total	408	61,175

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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
1932	327	25,276	27,279
1933	508	70,356	18,578
1934	482	66,427	24,441
1935	408	61,175	33,527
	<hr/> 5,517	<hr/> 663,514	<hr/> 1,132,716

Report of the Bureau of Public Health Education

For the Year Ending June 30, 1935

EDWIN C. LANIGAN, CHIEF

Public health education has taken the form of dissemination of information relating to public health, through the mediums of public consumption, including the newspapers, radio, circulars, magazines and the Public Health News, the latter the magazine of the Department of Health of the State of New Jersey.

It is estimated that when the Department daily or weekly releases news bulletins or informative material on health topics to the press, possibly a majority of the State's nearly four and a half million residents are contacted. Newspapers in New Jersey and in the metropolitan areas of New York City and Philadelphia are circularized regularly with bulletins of advice issued by the Department. Material originating in the Department pertaining to health matters found a response in the news and editorial departments of the press of the State.

Appreciation is due the publishers of the magazine of the New Jersey League of Municipalities for the columns devoted to presentation of special articles pertaining to the promotion of the public health.

Co-operation of the Department with the New Jersey Tuberculosis League, Inc., in devoting the December, 1934, issue of the Public Health News to the campaign to arrest tuberculosis, brought commendation from the League's executive authorities. New Jersey's mental problems, discussed in the April, 1935, issue of The News, won the approbation of Dr. William J. Ellis, State Commissioner of Institutions and Agencies. The Food and Drug Administration, United States Department of Agriculture, and Dr. H. S. Cumming, Surgeon General of the U. S. Public Health

Service, have expressed appreciation of the Department's cooperation in presenting to the public of New Jersey questions in which the Federal authorities were interested.

The Public Health News, of which six thousand copies are published monthly, is forwarded to the physicians of New Jersey, nurses, State, county and municipal health officials, school teachers and residents, upon application to the Department. It affords a medium for direct contact with those most directly connected with the public health organization. The Princeton Survey of the State Government two years ago commented that the News "was an inexpensive and efficient means of informing all local health officials and physicians throughout the State in regard to current health problems, as well as the latest methods of attacking them."

Probably in no sphere of public health work are the opportunities for effective service greater than in the field of preventive medicine and health education. Governmental economists, appreciating the mounting costs of institutional care, visualize the possibilities of a citizenry fortified against disease by the dissemination of information which may possibly arrest or correct those ailments which eventually result in custodial care.

More general health education has been championed by recognized authorities of New Jersey, who insist there should be a more determined attack upon diseases, insanitation and unwholesome social conditions, with the invoking of aggressive preventative measures to the greatest extent to reduce custodial care and costs alike.

Particularly, the Department conducted a publicity campaign to enlighten sentiment to secure repeal of Chapter 50 of the Laws of 1933. This statute is a concession to financially embarrassed municipalities, unable to carry out orders for sanitation improvements, and who seek court aid to circumvent orders of the State Department of Health. The proposed repealer was not acted upon by the 1935 Legislature. State pensions for indigent typhoid fever carriers was repeatedly advocated but also failed of legislative enactment. A bill to extend State supervision over public bathing places, indoor and outdoor, was also sponsored by the Department, but failed of adoption.

Efficacy of the constantly expanding public health services is again emphasized by the announcement that New Jersey in 1934 had but 56 deaths from diphtheria. The Department through the Public Health Hour, in co-operation with the Medical Society of New Jersey, distributed serums to arrest diphtheria and small-pox, to physicians who administered the injections in the first year of the operation of the plan to nearly twenty thousand children. Though the scourge has not been entirely vanquished, the extent to which diphtheria has been brought under control is forcefully established by comparison with conditions a generation ago. In 1890 deaths attributed to the disease numbered 110 per 100,000 population, a rate which, if continued, would have carried off 4,840 residents of New Jersey last year. Similar gains have been registered in the warfare on smallpox and other communicable diseases—a field in which public health authorities are particularly at home.

Visualizing the modern health official as more the leader, and less the sanitary policeman, the Department has pointed out that recent health practice imposes popular education as an additional obligation of health officials. Forty years ago the accepted work of a board of health consisted principally of nuisance abatements, disease quarantine, disposal of wastes, and inspection of wells. All this work might properly be undertaken by an intelligent, conscientious, though not necessarily trained health official. But public health practice changed early in the twentieth century, when it was realized that each disease and unhygienic condition had a specific cause which could not be prevented by "shotgun" methods. It became necessary for the health officer to know bacteriology, epidemiology, sanitary science, and statistical methods if he hoped to carry out effective preventive measures.

Recent health practice imposes an additional obligation on the health officials, namely, popular education in health. He must teach people to avoid insanitary environment, to protect themselves against certain diseases, avoid or remedy physical defects, and to keep fit through diet, rest, and exercise.

He needs training not only to give him the knowledge necessary for his larger responsibilities, but the inspiration to put the new health projects into practice in spite of public apathy.

INFANTILE PARALYSIS

An invitation to co-operate in testing the new vaccine for infantile paralysis made by grinding the spinal columns of monkeys that had recovered from the disease was extended to the Department by Dr. Maurice Brody, an attache of the New York City Health Department's laboratories. Dr. Brody, assistant professor of bacteriology at New York University, told the twenty-fifth annual conference of New Jersey Health Officers that old-fashioned serums for infantile paralysis had been deemed failures by most researchers, and hope was being pinned upon the new vaccine, first tried upon human beings last July.

Since 1910 victims of infantile paralysis have been administered serums made from the blood of recovered victims. Dr. Brody observed, however, these had been proven of doubtful value since the virus of infantile paralysis has been discovered to travel through a victim's body through the nerve tracts rather than the blood stream. He expressed belief most of the "cures" heretofore thought effected by serum were merely the result of natural immunity.

Bulletins have been issued warning of the dangers incident to use of antifat drugs containing dinitrophenol. Use of single service containers for beverages to avoid communicable diseases was stressed. Other topics discussed by the Bureau:

Advising on conditions of bathing beaches, recommending pasteurization of milk, inoculation for immunity to typhoid fever for travelers, support of the Tristate Anti-Pollution Commission for improvement of New York Harbor and coastal waters, code of ethical conduct for health employees, penalties for violating pure food and drug statutes, arrest of septic sore throat outbreak, fifty per cent reduction in infant mortality in ten years, licensed operators for sewage and water plants, child health day activities and New Jersey milkshed as within forty miles of border lines.

Report of the Bureau of Vital Statistics

For the Calendar Year 1934

DAVID S. SOUTH, STATE REGISTRAR

The Bureau, which was established in 1878, has the custody of more than seven million records of births, marriages and deaths which date back to 1848. During 1934 more than 13,000 searches were made and copies of the records found issued, for which \$7,413.00 were received and paid to the State Treasurer. Approximately 5,000 of the copies were issued to widows, veterans and veterans' 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 and for old age pension, for all of which purpose no charge is made.

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

During the year 1934 the Bureau received, examined, classified, indexed and permanently filed more than 135,000 certificates of birth, marriage and death, part of which records were for unreported events which occurred in past years. The annual growth of the records requires approximately two hundred cubic feet of storage space.

Two laws pertaining to birth certificates of illegitimate children which were found to work unsatisfactorily were repealed and a new law enacted by the Legislature instead. An act was also put upon the statute books which makes it possible to issue, to adopted children, birth certificates for certain purposes showing

the child's name and parents' names by adoption. The acts, which are permissive, will undoubtedly save many children from a great amount of unhappiness.

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

GENERAL SUMMARY

	1920	1930	1934
Birth registered, tabulated and indexed	76,431	68,282	54,841
Marriages registered, tabulated and indexed ...	31,327	28,499	28,991
Deaths registered, tabulated and indexed	40,820	43,190	43,547
Stillbirths registered, tabulated and indexed ...	3,221	2,647	2,026
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Total records registered, tabulated and permanently filed	151,799	142,618	129,405
Searches made and certified copies issued for which fees were received	4,664	10,523	8,294
Certified copies issued and searches made in pension and other cases for which no fees were received	4,232	6,938	5,194
Fees returned to State Treasurer for searches and certified copies	\$4,051	\$9,601	\$7,413

CHARTS AND TABLES, 1934

Table 1. Births, marriages and deaths reported, with rates, 1879-1934.

Table 1a. Births, marriages and deaths by months.

Table 1b. 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: 1934.

Chart 1. Total deaths per 1,000 population for 56 years.

Table 3. Deaths of infants under five years of age and percentage of total deaths, 1904-1934.

Chart 2. Deaths under five years of age per 10,000 population for 56 years.

Table 4. Number of births, stillbirths, deaths under one month, deaths under one year and maternal deaths with rates per 1,000 live births, 1906-1934.

Table 5. Deaths under one year, deaths under one month, stillbirths and maternal deaths per 1,000 live births, by counties.

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- Table 6. Deaths under one year, deaths under one month, stillbirths and maternal deaths per 1,000 live births in the ten largest cities of New Jersey.
- Table 7. Births, birth rates, deaths under one year and infant mortality rates, by counties.
- Chart 3. Deaths from typhoid fever per 10,000 population for 56 years.
- Table 8. Comparison between typhoid fever death rates in New Jersey and the United States Registration Area, 1923-1933.
- Table 9. Typhoid fever in urban and rural districts.
- Table 10. Typhoid fever rates in the counties of New Jersey, 1925, 1934.
- Chart 4. Deaths from scarlet fever per 10,000 population for 56 years.
- Chart 5. Deaths from diphtheria per 10,000 population for 56 years.
- Table 11. Average annual death rates from all causes and from tuberculosis of lungs, per 10,000 inhabitants, by counties for 56 years, with rates for 1934.
- Chart 6. Deaths from tuberculosis of lungs per 10,000 population for 56 years.
- Table 12. Cancer and other malignant tumors by sex, age periods and organs affected.
- Chart 7. Deaths from cancer and other malignant tumors, per 10,000 population for 56 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.
- Table 15. Death rates, total, white and colored, from important causes, per 100,000 total, white and colored population.
- Table 16. Deaths (exclusive of stillbirths) by causes and months of death.
- Table 17. Deaths (exclusive of stillbirths) from each cause of the Abridged International List, by age, sex, and color.
- Table 18. Deaths (exclusive of stillbirths) by causes, by days, weeks and months of the first year of life.
- Table 19. Deaths (exclusive of stillbirths) under one year of age, by causes and months of death.
- 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 occupations, age groups and certain selected causes.

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

Population—The estimated mid-year population of the State for 1934 was 4,231,000. It has been found necessary to abandon the arithmetical method of computing estimates of population and to use the United States Bureau of the Census estimates which are now based upon reported births and deaths and net immigration (or emigration). Certain rates for 1934 cannot be fairly compared with the published rates for 1933 since, in the computation of the 1933 figures, larger estimates of population were used than for 1934. 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.

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Births—The number of births for 1934 was 54,841, which was equivalent to a rate of 12.9 per 1,000 population. Total births reported showed a decline of 1,231 from the number for the previous year. The low figure for 1934 is a continuance of the decline in evidence since 1917, when the rate was 24.9.

The number of illegitimate births reported for 1934 was 1,305, of which 467 were babies born to colored mothers. The figures for 1933 were 1,256 and 421.

Marriages—The number of persons married during 1934, per thousand of population, was 13.7. The rate showed a great improvement over the 1933 figure of 11.3, which rate was the second lowest since marriage statistics were first compiled in 1879. The ease and rapidity with which marriage licenses can be obtained in certain adjacent States materially affects the New Jersey rate. Economic conditions have also been a considerable factor and were undoubtedly partly responsible for the gradual decline which occurred in the marriage rate during past years.

Deaths—The number of deaths for 1934 was 43,547. The death rate, 10.2 for the year, shows little variation from the 1933 rate of 10.0, which was the lowest rate since the State Department of Health was established fifty-seven years ago. The previous low rate was 10.1 for 1932.

Stillbirths—The number of stillbirths reported for 1934 was 2,025. The number for the previous year was 2,073. The 1934 rate was 36.9 per 1,000 live births. The rate for the colored population was 54.8.

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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	18,967	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	23,310	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	28,840	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	1,718,543	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	27,387	15.11
1899	1,855,872	29,419	15.84	13,336	14.37	30,999	16.70
1900	1,883,669	32,270	17.13	14,611	15.61	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	29,724	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	58,133	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	30,090	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	12.08
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	40,581	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	68,282	16.80	28,499	14.02	43,190	10.63
1931	4,149,314	64,078	15.44	26,468	12.75	44,135	10.63
1932	4,235,698	61,215	14.45	22,840	10.78	42,826	10.11
1933	4,322,082	56,072	12.97	24,453	11.31	43,380	10.03
1934	4,281,000	54,841	12.96	28,991	13.70	43,547	10.29

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TABLE 1A.—BIRTHS, MARRIAGES AND DEATHS, 1934

(Births and Deaths Corrected for Residence)

<i>Month</i>	<i>Births</i>	<i>Marriages</i>	<i>Deaths</i>
January	4,627	1,681	4,259
February	4,330	1,704	4,081
March	4,509	1,347	4,166
April	4,295	2,479	3,886
May	4,517	1,923	3,800
June	4,576	4,426	3,323
July	5,002	2,242	3,223
August	4,925	2,320	2,934
September	4,572	3,510	3,017
October	4,647	2,724	3,350
November	4,276	2,656	3,455
December	4,565	1,979	4,053
Total	54,841	28,991	43,547

TABLE 1B.—BIRTHS, MARRIAGES, DEATHS AND DEATHS UNDER ONE YEAR OF
AGE BY COUNTIES, CITIES, BOROUGHES AND TOWNSHIPS, 1934
(Births and Deaths Corrected as to Residence)

ATLANTIC COUNTY

NAME OF PLACE	Births	Marriages	Deaths	Deaths under one year
Absecon City	34	12	39	5
Atlantic City	782	561	1021	68
Brigantine City	6	1	5	1
Buena Vista Township	44	32	42	1
Corbin City	8	..	4	..
Egg Harbor City	53	44	58	3
Egg Harbor Township	42	11	36	1
Estelle Manor City	4	2	4	1
Folsom Borough	2	..	1	..
Galloway Township	61	4	38	6
Hamilton Township	36	17	49	7
Hammonton Town	103	52	85	6
Linwood City	24	11	20	1
Longport Borough	2	5	2	..
Margate City	27	10	53	4
Mullica Township	15	7	23	1
Northfield City	38	9	33	2
Pleasantville City	176	97	155	8
Port Republic City	12	2	8	..
Somers Point City	28	6	25	2
Ventnor City	47	45	90	5
Weymouth Township	10	1	10	..
Total	1549	929	1801	122

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BERGEN COUNTY				
NAME OF PLACE	Births	Marriages	Deaths	Deaths under one year
Allendale Borough	25	10	8	...
Alpine Borough	7	6	2	...
Bergenfield Borough	106	68	103	6
Bogota Borough	62	57	74	3
Carlstadt Borough	71	27	57	...
Cliffside Park Borough	217	94	139	8
Closter Borough	34	10	17	1
Cresskill Borough	20	9	16	2
Demarest Borough	16	8	12	...
Dumont Borough	67	29	61	6
East Paterson Borough	83	27	29	8
East Rutherford Borough	96	55	61	5
Edgewater Borough	43	29	38	4
Emerson Borough	10	5	10	...
Englewood City	261	210	155	11
Englewood Cliffs Borough	12	8	9	...
Fair Lawn Borough	119	29	52	6
Fairview Borough	108	93	73	1
Fort Lee Borough	131	109	92	4
Franklin Lakes Borough	7	6	9	1
Garfield City	446	184	222	12
Glen Rock Borough	60	24	39	2
Hackensack City	351	243	231	12
Harrington Park Borough	16	3	10	2
Hasbrouck Heights Borough	78	26	56	1
Haworth Borough	12	5	21	1
Hillsdale Borough	34	14	35	...
Hobokus Borough	20	28	12	...
Hobokus Township	41	20	36	6
Leonia Borough	49	34	48	1
Little Ferry Borough	68	25	39	...
Lodi Borough	179	122	87	7
Lodi Township	22	3	9	1
Lyndhurst Township	204	103	154	9
Maywood Borough	40	19	33	1
Midland Park Borough	78	26	35	3
Montvale Borough	10	3	16	...
Moonachie Borough	21	10	8	1
New Milford Borough	38	24	23	1
North Arlington Borough	152	58	52	2
Northvale Borough	11	12	9	2
Norwood Borough	27	18	11	...
Oakland Borough	9	4	10	...
Old Tappan Borough	12	...	7	1
Oradell Borough	32	9	31	1
Palisade Park Borough	113	90	59	3
Paramus Borough	25	14	25	1
Park Ridge Borough	31	21	25	3
Ramsey Borough	30	27	33	...
Ridgefield Borough	59	48	63	4
Ridgefield Park Borough	122	58	100	5
Ridgewood Village	131	109	140	3
River Edge Borough	35	11	25	3
Rivervale Township	20	2	14	1
Rochelle Park Township	43	16	25	1
Rockleigh Borough	...	...	1	...
Rutherford Borough	137	83	178	1
Saddle River Borough	6	6	10	...
Saddle River Township	20	11	16	...
Teaneck Township	222	68	154	6
Tenafly Borough	74	25	56	3
Teterboro Borough	1	...	...	...
Upper Saddle River Borough	7	...	...	...
Waldwick Borough	22	3	6	...
Wallington Borough	129	13	75	8
Washington Township	2	1	3	...
Westwood Borough	68	38	52	4
Woodcliffe Lake Borough	10	1	8	...
Woodridge Borough	71	26	34	2
Wyckoff Township	45	8	28	...
Total	4928	2587	3394	180

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BURLINGTON COUNTY

NAME OF PLACE	Births	Marriages	Deaths	Deaths under one year
Bass River Township	11	2	14	1
Beverly City	50	14	45	6
Bordentown City	64	27	60	3
Bordentown Township	15	2	10	1
Burlington City	158	96	150	14
Burlington Township	15	2	20	...
Chester Township	73	24	50	2
Chesterfield Township	9	1	20	1
Cinnaminson Township	23	13	17	2
Delanco Township	42	13	39	1
Delran Township	29	1	20	1
Eastampton Township	6	1	4	...
Edgewater Park Township	12	4	12	2
Evesham Township	23	3	13	2
Fieldsboro Borough	8	1	8	...
Florence Township	120	38	75	13
Hainesport Township	13	3	4	...
Lumberton Township	15	4	14	...
Mansfield Township	26	5	25	1
Medford Township	35	14	29	3
Moorestown Township	117	54	90	4
Mount Holly Township	102	44	99	5
Mount Laurel Township	23	4	29	2
New Hanover Township	19	7	13	1
North Hanover Township	3	3	8	1
Palmyra Borough	70	17	68	6
Pemberton Borough	19	7	14	...
Pemberton Township	18	7	23	1
Riverside Township	113	59	71	11
Riverton Borough	23	20	27	...
Shamong Township	4	...	5	...
Southampton Township	32	7	22	2
Springfield Township	17	3	17	1
Tabernacle Township	6	...	11	2
Washington Township	9	2	9	2
Westampton Township	4	1	7	...
Willingboro Township	4	...	5	...
Woodland Township	11	...	9	...
Wrightstown Borough	11	3	9	2
Total	1352	506	1174	95

CAMDEN COUNTY

NAME OF PLACE	Births	Marriages	Deaths	Deaths under one year
Audubon Borough	78	33	68	2
Barrington Borough	31	5	23	3
Bellmawr Borough	23	6	18	...
Berlin Borough	27	29	27	1
Berlin Township	27	11	18	...
Brooklawn Borough	24	2	17	2
Camden City	1775	855	1401	116
Chesilhurst Borough	2	2	4	...
Clementon Borough	46	5	33	5
Collingswood Borough	136	62	161	8
Delaware Township	48	6	58	1
Gibbsboro Borough	10	5	6	...
Gloucester City	203	88	179	15
Gloucester Township	59	26	70	4
Haddonfield Borough	94	44	115	1
Haddon Heights Borough	42	51	67	3
Haddon Township	76	24	71	4
Hill Nella Borough	6	...	2	...
Laurel Springs Borough	14	11	31	1
Lawnside Borough	30	10	24	2
Lindenwald Borough	44	15	25	4
Magnolia Borough	22	7	20	...
Merchantville Borough	127	47	96	8
Mount Ephraim Borough	35	21	20	1
Oaklyn Borough	78	15	35	3
Pensauken Township	185	61	152	14
Pine Hill Borough	12	9	17	2

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DEPARTMENT OF HEALTH

CAMDEN COUNTY—Continued

NAME OF PLACE	Births	Marriages	Deaths	Deaths under one year
Pine Valley Borough .....	...	...	...	...
Runnemede Borough	52	27	34	5
Somerdale Borough	24	1	11	2
Stratford Borough	15	2	10	...
Tavistock Borough .....	...	...	...	...
Voorhees Township	13	6	14	1
Waterford Township	37	15	27	2
Winslow Township	65	9	53	5
Woodlynne Borough	45	12	26	1
Total	3505	1522	2933	216

CAPE MAY COUNTY

NAME OF PLACE	Births	Marriages	Deaths	Deaths under one year
Avalon Borough	5	3	8	...
Cape May City	38	34	46	...
Cape May Point Borough	2	2	2	...
Dennis Township	34	3	28	3
Lower Township	17	10	24	...
Middle Township	59	29	79	6
North Cape May Borough .....	...	...	...	...
North Wildwood City	26	15	35	2
Ocean City	62	46	64	4
Sea Isle City	18	11	13	...
South Cape May Borough .....	...	...	1	...
Stone Harbor Borough	3	2	12	...
Upper Township	18	18	27	...
West Cape May Borough	8	...	14	...
West Wildwood City .....	...	...	7	...
Wildwood City	81	76	83	5
Wildwood Crest Borough	6	...	7	...
Woodbine Borough	30	2	12	1
Total	407	251	462	21

CUMBERLAND COUNTY

NAME OF PLACE	Births	Marriages	Deaths	Deaths under one year
Bridgeton City	256	144	269	32
Commercial Township	44	18	46	6
Deerfield Township	27	9	16	4
Downe Township	22	4	20	3
Fairfield Township	25	12	21	3
Greenwich Township	8	1	7	...
Hopewell Township	28	3	22	1
Landis Township	178	101	130	3
Lawrence Township	19	2	16	...
Maurice River Township	30	9	32	3
Millville City	204	99	202	13
Shiloh Borough	8	2	4	...
Stow Creek Township	11	...	9	...
Upper Deerfield Township	26	7	19	1
Vineland Borough	105	58	96	3
Total	1031	469	909	72

BUREAU OF VITAL STATISTICS

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ESSEX COUNTY

NAME OF PLACE	Births	Marriages	Deaths	Deaths under one year
Belleville Town	404	158	259	16
Bloomfield Town	548	256	364	16
Caldwell Borough	75	46	71	5
Caldwell Township	13	4	10	...
Cedar Grove Township	30	6	42	...
East Orange City	831	383	726	28
Essex Fells Borough	9	10	6	...
Glen Ridge Borough	74	30	57	1
Irvington Town	760	334	501	20
Livingston Township	71	18	48	2
Maplewood Township	236	108	199	7
Millburn Township	107	48	72	5
Montclair Town	443	303	407	16
Newark City	6186	3995	4817	319
North Caldwell Borough	7	...	12	1
Nutley Town	273	123	167	8
Orange City	489	307	405	24
Roseland Borough	13	4	16	1
South Orange Village	718	83	137	3
Verona Borough	98	34	67	4
West Caldwell Borough	39	4	43	4
West Orange Town	508	116	217	9
Total	11132	6370	8643	489

GLOUCESTER COUNTY

NAME OF PLACE	Births	Marriages	Deaths	Deaths under one year
Clayton Borough	21	18	34	2
Deptford Township	59	17	48	4
East Greenwich Township	26	12	25	1
Elk Township	22	3	13	1
Franklin Township	54	11	51	6
Glassboro Borough	63	49	59	...
Greenwich Township	47	3	25	3
Harrison Township	22	8	39	2
Logan Township	12	7	11	2
Mantua Township	48	8	35	1
Monroe Township	63	24	44	2
National Park Borough	51	16	26	2
Newfield Borough	14	4	10	1
Paulsboro Borough	135	52	66	6
Pitman Borough	48	32	70	3
South Harrison Township	6	...	9	...
Swedesboro Borough	51	27	44	1
Washington Township	23	7	14	2
Wenonah Borough	13	10	19	1
West Deptford Township	58	6	48	2
Westville Borough	38	26	40	3
Woodbury City	107	62	126	8
Woodbury Heights Borough	11	6	6	...
Woolwich Township	16	1	7	1
Total	988	400	860	54

HUDSON COUNTY

NAME OF PLACE	Births	Marriages	Deaths	Deaths under one year
Bayonne City	1102	580	728	40
East Newark Borough	30	11	28	1
Guttenberg Town	66	48	63	5
Harrison Town	220	157	123	7
Hoboken City	624	886	650	34
Jersey City	4474	2522	3483	248
Kearny Town	564	188	322	8
North Bergen Township	518	203	383	23
Secaucus Borough	83	34	73	5
Union City	690	604	608	23
Weehawken Township	135	109	174	4
West New York Town	482	473	311	24
Total	8988	5815	6946	422

DEPARTMENT OF HEALTH

HUNTERDON COUNTY

NAME OF PLACE	Births	Marriages	Deaths	Deaths under one year
Alexandria Township	19	2	9	2
Bethlehem Township	4	...	9	1
Bloomsbury Borough	11	4	8	2
Califon Borough	3	7	10	...
Clinton Town	15	10	14	1
Clinton Township	29	6	21	...
Delaware Township	12	13	21	...
East Amwell Township	29	3	16	2
Flemington Borough	30	17	50	2
Franklin Township	19	5	19	1
Frenchtown Borough	14	3	24	...
Glen Gardner Borough	5	4	10	2
Hampton Borough	13	7	13	...
High Bridge Borough	16	17	26	3
Holland Township	10	2	9	...
Kingwood Township	9	4	12	...
Lambertville City	75	33	78	3
Lebanon Borough	3	6	10	2
Lebanon Township	21	2	12	...
Milford Borough	23	5	12	2
Raritan Township	14	...	15	...
Readington Township	34	26	48	3
Stockton Borough	7	1	8	1
Tewksbury Township	14	16	24	2
Union Township	17	3	16	2
West Amwell Township	10	...	11	...
Total	456	196	505	31

MERCER COUNTY

NAME OF PLACE	Births	Marriages	Deaths	Deaths under one year
East Windsor Township	13	2	9	...
Ewing Township	150	18	89	8
Hamilton Township	471	107	288	25
Hightstown Borough	44	30	42	3
Hopewell Borough	15	19	33	1
Hopewell Township	44	5	45	11
Lawrence Township	90	18	62	5
Pennington Borough	12	6	19	2
Princeton Borough	106	73	84	7
Princeton Township	46	5	23	4
Trenton City	1680	752	1360	105
Washington Township	7	3	14	2
West Windsor Township	31	6	19	1
Total	2709	1044	2087	174

MIDDLESEX COUNTY

NAME OF PLACE	Births	Marriages	Deaths	Deaths under one year
Carteret Borough	186	99	78	7
Cranbury Township	23	11	20	...
Dunellen Borough	87	38	65	3
East Brunswick Township	35	6	23	2
Helmetta Borough	4	10	7	...
Highland Park Borough	102	48	80	4
Jamesburg Borough	29	23	24	1
Madison Township	39	10	39	2
Metuchen Borough	87	35	47	4
Middlesex Borough	33	8	28	1
Milltown Borough	65	21	38	1
Monroe Township	18	3	19	2
New Brunswick City	511	336	357	21
North Brunswick Township	42	26	35	8

BUREAU OF VITAL STATISTICS

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MIDDLESEX COUNTY—Continued

NAME OF PLACE	Births	Marriages	Deaths	Deaths under one year
Perth Amboy City	516	453	391	26
Piscataway Township	94	19	67	8
Plainsboro Township	15	7	7	...
Raritan Township	134	27	85	11
Sayreville Borough	114	56	63	4
South Amboy City	117	74	82	3
South Brunswick Township	37	10	33	3
South Plainfield Borough	60	22	44	1
South River Borough	144	69	63	6
Spotswood Borough	17	5	13	1
Woodbridge Township	373	154	222	21
Total	2873	1568	1925	135

MONMOUTH COUNTY

NAME OF PLACE	Births	Marriages	Deaths	Deaths under one year
Allenhurst Borough	9	...	8	...
Allentown Borough	14	15	15	2
Asbury Park City	171	167	222	13
Atlantic Township	14	4	12	...
Atlantic Highlands Borough	37	13	41	2
Avon Borough	9	12	9	...
Belmar Borough	36	36	76	...
Bradley Beach Borough	37	22	42	2
Brielle Borough	8	2	9	...
Deal Borough	11	11	13	...
Eatontown Borough	35	14	35	3
Englishtown Borough	14	2	15	...
Fair Haven Borough	21	6	29	1
Farmingdale Borough	14	13	17	3
Freehold Borough	99	59	84	7
Freehold Township	24	3	29	2
Highlands Borough	28	15	26	2
Holmdel Township	11	3	14	1
Howell Township	27	16	31	1
Interlaken Borough	4	...	9	...
Keansburg Borough	32	34	45	3
Keyport Borough	69	54	78	3
Little Silver Borough	8	6	15	1
Long Branch City	257	125	230	7
Manalapan Township	19	5	17	...
Manasquan Borough	27	40	39	...
Marlboro Township	24	13	32	1
Matawan Borough	42	17	42	3
Matawan Township	36	5	20	...
Middletown Township	93	44	125	5
Millstone Township	16	5	13	...
Monmouth Beach Borough	5	1	6	...
Neptune Township	163	62	179	10
Neptune City Borough	35	12	24	...
Ocean Township	52	19	53	4
Oceanport Borough	43	8	15	2
Raritan Township	18	1	13	...
Red Bank Borough	164	97	154	7
Rumson Borough	28	22	35	2
Sea Bright Borough	13	6	9	...
Sea Girt Borough	6	7	7	1
Shrewsbury Borough	13	13	6	...
Shrewsbury Township	11	3	16	...
South Belmar Borough	11	2	16	...
Spring Lake Borough	25	14	21	1
Spring Lake Heights Borough	11	12	8	...
Union Beach Borough	23	5	20	2
Upper Freehold Township	27	4	14	...
Wall Township	49	18	29	1
West Long Branch Borough	27	8	15	...
Total	1970	1075	2032	92

DEPARTMENT OF HEALTH

MORRIS COUNTY

NAME OF PLACE	Births	Marriages	Deaths	Deaths under one year
Boonton Town	85	39	98	2
Boonton Township	5	1	8	...
Butler Borough	37	27	42	...
Chatham Borough	52	22	49	2
Chatham Township	11	1	13	1
Chester Borough	6	3	16	...
Chester Township	11	1	5	1
Denville Township	34	16	39	1
Dover Town	159	93	122	7
East Hanover Township	14	6	9	1
Florham Park Borough	10	2	15	...
Hanover Township	37	14	40	2
Harding Township	18	5	17	2
Jefferson Township	6	3	15	1
Kinnelon Borough	6	...	6	...
Lincoln Park Borough	19	12	18	1
Madison Borough	120	49	96	3
Mendham Borough	22	11	16	...
Mendham Township	8	5	7	...
Mine Hill Township	13	7	13	1
Montville Township	47	13	30	1
Morris Plains Borough	27	18	25	...
Morristown Town	219	106	207	6
Morris Township	74	20	51	4
Mountain Lakes Borough	22	8	18	...
Mount Arlington Borough	10	...	4	...
Mount Olive Township	20	13	24	...
Netcong Borough	34	14	11	4
Parsippany-Troy Hills Township	33	17	48	...
Passaic Township	29	13	20	...
Pearlmanock Township	52	14	26	2
Randolph Township	30	12	26	...
Riverdale Borough	12	2	17	1
Rockaway Borough	61	39	32	2
Rockaway Township	41	3	28	...
Roxbury Township	70	21	61	7
Washington Township	17	5	33	1
Wharton Borough	50	19	35	2
Total	1521	654	1335	55

OCEAN COUNTY

NAME OF PLACE	Births	Marriages	Deaths	Deaths under one year
Barnegat City Borough	8	...	6	2
Bay Head Borough	7	1	7	...
Beach Haven Borough	12	15	12	1
Beachwood Borough	8	...	5	...
Berkeley Township	14	11	11	1
Brick Township	20	5	21	2
Dover Township	64	29	57	2
Eagleswood Township	3	4	13	1
Harvey Cedars Borough .....	...	...	...	...
Island Beach Borough	2	...	...	...
Island Heights Borough	2	4	10	...
Jackson Township	22	4	30	...
Lacey Township	11	4	11	1
Lakehurst Borough	9	5	15	2
Lakewood Township	93	65	99	6
Lavalette Borough	5	...	5	...
Little Egg Harbor Township	11	...	5	...
Long Beach Township	1	...	2	...
Manchester Township	25	1	16	...
Mantoloking Borough	2	...	2	...
Ocean Township	5	9	5	1
Ocean Gate Borough	3	...	4	...
Pine Beach Borough	3	1	...	...
Plumstead Township	16	2	23	1
Point Pleasant Borough	44	13	31	...
Point Pleasant Beach Borough	3	10	23	...

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OCEAN COUNTY—Continued

NAME OF PLACE	Births	Marriages	Deaths	Deaths under one year
Seaside Heights Borough	9	1	12	2
Seaside Park Borough	9	8	6	...
Ship Bottom-Beach Arlington Borough...	8	2	4	...
South Toms River Borough	6	6	4	...
Stafford Township	17	3	15	2
Surf City Borough	4	1	2	...
Tuckerton Borough	12	14	19	...
Union Township	15	11	23	...
Total	480	229	501	29

PASSAIC COUNTY

NAME OF PLACE	Births	Marriages	Deaths	Deaths under one year
Bloomington Borough	44	25	31	2
Clifton City	632	198	380	31
Haledon Borough	52	25	41	2
Hawthorne Borough	157	67	105	5
Little Falls Borough	92	43	45	5
North Haledon Borough	25	6	14	1
Passaic City	738	676	548	31
Paterson City	1834	1095	1487	87
Pompton Lakes Borough	35	26	28	1
Prospect Park Borough	93	36	37	2
Ringwood Borough	24	2	15	6
Totowa Borough	66	18	61	1
Wanaque Borough	53	16	35	5
Wayne Township	62	28	60	2
West Milford Township	41	19	29	3
West Paterson Borough	63	13	19	1
Total	4011	2293	2935	185

SALEM COUNTY

NAME OF PLACE	Births	Marriages	Deaths	Deaths under one year
Alloway Township	24	10	19	2
Elmer Borough	23	11	24	...
Elsinboro Township	7	...	8	1
Lower Alloways Creek Township	10	6	10	...
Lower Penns Neck Township	70	9	34	5
Mannington Township	22	3	25	2
Oldmans Township	27	10	12	1
Penns Grove Borough	117	48	70	11
Pilesgrove Township	17	4	13	3
Pittsgrove Township	23	2	27	1
Quinton Township	26	7	14	1
Salem City	141	58	129	7
Upper Penns Neck Township	51	19	34	2
Upper Pittsgrove Township	39	6	26	3
Woodstown Borough	25	11	43	1
Total	622	204	488	40

DEPARTMENT OF HEALTH

SOMERSET COUNTY

NAME OF PLACE	Births	Marriages	Deaths	Deaths under one year
Bedminster Township	17	3	20	...
Bernards Township	21	17	23	...
Bernardsville Borough	45	25	40	1
Bound Brook Borough	131	94	66	3
Branchburg Township	18	4	11	1
Bridgewater Township	44	14	49	3
Far Hills Borough	10	2	4	...
Franklin Township	91	15	49	5
Green Brook Township	8	5	11	1
Hillsborough Township	33	14	24	1
Manville Borough	121	54	40	5
Millstone Borough	3	5	5	...
Montgomery Township	26	9	24	3
North Plainfield Borough	11	63	110	2
Peapack-Gladstone Borough	2	14	12	...
Raritan Town	55	35	29	...
Rocky Hill Borough	5	4	7	...
Somerville Borough	123	46	98	5
South Bound Brook Borough	32	9	21	2
Warren Township	19	7	15	2
Watchung Borough	9	19	11	1
Total	944	455	669	35

SUSSEX COUNTY

NAME OF PLACE	Births	Marriages	Deaths	Deaths under one year
Andover Borough	10	13	12	1
Andover Township	4	1	4	...
Branchville Borough	12	8	13	1
Byram Township	3	...	5	...
Frankford Township	16	1	16	3
Franklin Borough	66	21	36	7
Fredon Township	1	...	7	...
Green Township	8	...	6	...
Hamburg Borough	18	4	13	1
Hampton Township	12	8	4	1
Hardyston Township	18	1	8	1
Hopateong Borough	3	2	8	...
Lafayette Township	14	4	16	...
Montague Township	4	4	11	...
Newton Town	71	25	89	7
Ogdensburg Borough	17	2	14	1
Sandyston Township	9	1	8	...
Sparta Township	13	9	12	...
Stanhope Borough	15	13	18	...
Stillwater Township	14	3	12	1
Sussex Borough	37	24	23	1
Vernon Township	9	3	16	2
Wallpack Township	2	1	2	...
Wantage Township	33	5	23	3
Total	410	153	376	30

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UNION COUNTY

NAME OF PLACE	Births	Marriages	Deaths	Deaths under one year
Clark Township	16	2	12	...
Cranford Township	170	62	82	6
Elizabeth City	1502	928	1138	52
Fanwood Borough	34	4	15	1
Garwood Borough	61	11	25	...
Hillside Township	212	70	143	10
Kenilworth Borough	25	9	15	2
Linden City	364	119	182	18
Mountainside Borough	10	5	6	...
New Providence Borough	23	12	16	1
New Providence Township	20	6	15	...
Plainfield City	507	243	412	25
Rahway City	223	124	156	9
Roselle Borough	186	78	117	12
Roselle Park Borough	94	41	80	1
Scotch Plains Township	78	20	50	4
Springfield Township	51	19	39	...
Summit City	191	81	147	5
Union Township	304	72	138	16
Westfield Town	203	97	138	7
Total	4274	2003	2926	169

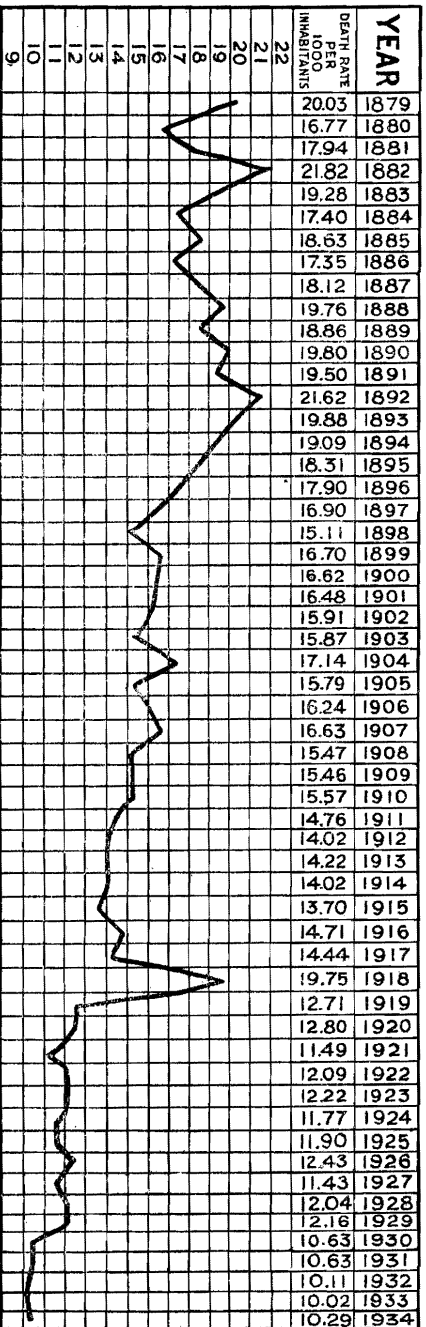
WARREN COUNTY

NAME OF PLACE	Births	Marriages	Deaths	Deaths under one year
Allamuchy Township	11	1	4	...
Alpha Borough	42	24	21	3
Belvidere Town	29	9	45	1
Blairstown Township	19	9	23	2
Franklin Township	15	4	18	1
Frelinghuysen Township	14	2	17	1
Greenwich Township	24	18	23	4
Hackettstown Town	35	16	61	1
Hardwick Township	6	...	6	1
Harmony Township	20	5	18	2
Hope Township	8	5	4	...
Independence Township	19	15	14	2
Knowlton Township	17	4	16	1
Liberty Township	4	...	6	1
Lopatcong Township	17	...	14	...
Mansfield Township	16	6	22	...
Oxford Township	27	12	22	1
Pahaquarry Township .....	...	...	1	...
Phillipsburg Town	245	100	201	71
Pohatcong Township	31	7	21	3
Washington Borough	57	21	63	3
Washington Township	15	1	8	...
White Township	20	9	18	2
Total	691	268	646	40
State Total	54841	28991	43547	2686

TABLE 2.—TOTAL DEATHS BY AGE PERIODS SHOWING PERCENTAGE OF TOTAL DEATHS, 1934

	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	43,547	2,686	330	201	157	144	3,518	514	1,132	1,920	2,648	4,801	6,956	9,157	8,505	3,833	560	2
Percentage of total..	100.0	6.2	0.8	0.4	0.3	0.4	8.1	1.2	2.5	4.4	6.5	11.0	15.9	21.0	19.5	8.7	1.2	..

CHART 1—Total Deaths per 1,000 Population for 56 Years



Infant Mortality—The infant mortality rate for 1934 was 48.9 per 1,000 babies born alive. The lowest infant mortality rate attained in New Jersey was 46.5 for 1933. Reference to Table 4 will show the great decrease in the infant death rate in New Jersey since extensive baby welfare work was undertaken.

Colored Races—The infant mortality rate for the colored races was 93.7. The colored races have shown high mortality rates since vital statistics were first collected and analyzed.

Maternal Mortality—The rate for 1934 was 5.3 and for 1933, 5.1. It is regrettable that a decrease comparable to the infant mortality decline has not been shown in deaths due to maternity. The colored maternal mortality rate was 7.5.

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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
1931	44,135	3,649	8.3	4,916	11.1
1932	42,826	3,089	7.2	4,049	9.4
1933	43,380	2,608	6.0	3,512	8.1
1934	43,547	2,686	6.2	3,518	8.1

CHART 2—DEATHS UNDER 5 YEARS OF AGE PER 10,000 TOTAL POPULATION FOR 56 YEARS

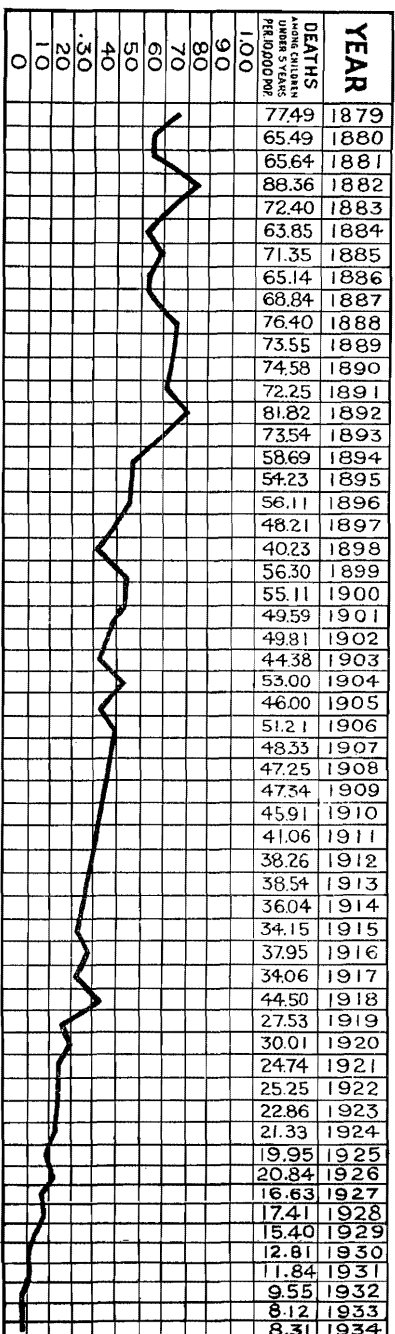


TABLE 4.—NUMBER OF BIRTHS, STILLBIRTHS, DEATHS UNDER ONE MONTH, DEATHS UNDER ONE YEAR AND MATERNAL DEATHS IN NEW JERSEY, WITH RATES PER 1,000 LIVE BIRTHS

<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	2,399	56	322	7.5
1907	44,651	7,732	173.2	2,602	58	2,530	56	289	6.5
1908	47,405	7,823	165.2	2,655	56	2,617	55	329	6.9
1909	47,508	7,658	161.2	2,661	56	2,539	53	311	6.5
1910	53,942	8,352	154.8	2,801	51	2,737	50	377	6.9
1911	58,133	7,642	131.4	2,887	49	2,754	47	427	7.3
1912	60,073	7,457	124.1	2,836	47	2,953	49	415	6.9
1913	61,432	7,542	122.7	2,903	47	2,866	46	460	7.4
1914	65,403	7,431	113.6	2,995	45	3,074	47	416	6.3
1915	66,476	7,077	106.4	2,862	43	3,075	46	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
1931	64,078	3,649	56.9	2,064	32	2,578	40	378	5.9
1932	61,215	3,089	50.4	1,802	29	2,343	38	351	5.7
1933	56,072	2,608	46.5	1,533	27	2,073	36	289	5.1
1934	54,841	2,686	48.9	1,634	29	2,025	36	294	5.3

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TABLE 5—DEATHS UNDER ONE YEAR, DEATHS UNDER ONE MONTH, STILLBIRTHS AND MATERNAL MORTALITY PER THOUSAND LIVE BIRTHS—1934

	<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	48	29	36	5.3
Atlantic	78	51	32	7.1
Bergen	36	24	31	2.4
Burlington	70	39	32	8.1
Camden	61	32	45	5.7
Cape May	51	34	49	4.9
Cumberland	69	43	46	15.5
Essex	43	26	31	3.9
Gloucester	54	30	25	8.0
Hudson	46	26	45	5.4
Hunterdon	67	46	48	8.7
Mercer	64	39	39	7.7
Middlesex	46	33	34	4.8
Monmouth	46	26	36	7.6
Morris	36	24	23	3.9
Ocean	60	39	31	2.0
Passaic	46	26	37	7.2
Salem	64	32	45	4.8
Somerset	37	28	54	6.3
Sussex	73	63	26	2.4
Union	39	25	34	4.2
Warren	57	34	34	4.3

TABLE 6—DEATHS UNDER ONE YEAR, DEATHS UNDER ONE MONTH, STILLBIRTHS AND MATERNAL MORTALITY PER THOUSAND LIVE BIRTHS:
NEW JERSEY AND TEN LARGEST CITIES—1934

	<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	48	29	36	5.3
Newark	51	30	35	4.5
Jersey City	55	30	44	3.7
Paterson	47	22	43	5.9
Trenton	62	39	41	7.7
Camden	65	30	53	5.0
Elizabeth	34	19	42	6.6
Bayonne	36	20	49	8.1
East Orange	33	24	26	1.2
Atlantic City	86	62	39	7.6
Passaic City	42	29	36	6.7

TABLE 7—BIRTHS, BIRTH RATES, DEATHS UNDER ONE YEAR AND INFANT MORTALITY RATES (EXCLUSIVE OF STILLBIRTHS)—1934

	<i>Births (Exclusive of of Still- births)</i>	<i>Birthrates per 1,000 Population</i>	<i>Deaths Under One Year</i>	<i>Infant Mortality Rates</i>
New Jersey	54,841	12.9	2,686	48
Atlantic County	1,549	11.7	122	78
Atlantic City	782	11.3	68	86
Hammonton	103	12.6	6	58
Pleasantville	176	13.9	8	45
Bergen County	4,928	12.5	180	36
Bergenfield	106	9.6	6	56
Cliffside Park	217	12.8	8	36
Englewood City	261	13.8	11	42
Fairview Borough	108	9.9	1	9
Fort Lee Borough	131	13.1	4	30
Garfield City	446	14.1	12	26
Hackensack City	351	13.6	12	34
Lodi Borough	179	14.7	7	39
North Arlington	152	13.8	2	13
Ridgefield Park	122	12.0	5	40
Ridgewood Village	131	10.0	3	22
Rutherford Borough	137	8.6	1	7
Wallington Borough	129	12.3	8	62
Burlington County	1,352	14.1	95	70
Bordentown City	64	14.4	3	46
Burlington City	158	14.1	14	88
Camden County	3,505	13.3	216	61
Audubon	78	7.3	2	25
Camden City	1,775	14.9	116	65
Collingswood	136	10.1	8	58
Gloucester City	203	14.5	15	73
Haddonfield Borough	94	9.2	1	10
Cape May County	407	13.0	21	51
Cumberland County	1,031	14.4	72	69
Bridgeton	286	17.9	32	111
Millville City	204	13.8	13	63
Vineland	105	13.0	3	28

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	<i>Births (Exclusive of of Still- births)</i>	<i>Birthrates per 1,000 Population</i>	<i>Deaths Under One Year</i>	<i>Infant Mortality Rates</i>
Essex County	11,132	12.8	489	43
Belleville Town	404	13.0	16	39
Bloomfield	548	13.4	16	29
East Orange	831	11.7	28	33
Irvington	760	12.2	20	26
Montclair	443	10.0	16	36
Newark	6,186	13.8	319	51
Nutley	273	12.1	8	29
Orange	489	13.6	24	49
South Orange	118	8.0	3	25
West Orange	308	11.9	9	29
Gloucester County	988	13.2	54	54
Woodbury	107	11.6	8	74
Hudson County	8,988	12.8	422	46
Bayonne	1,102	12.0	40	36
Guttenberg	66	10.0	5	75
Harrison	220	14.1	7	31
Hoboken	624	10.5	34	54
Jersey City	4,474	13.9	248	55
Kearny Town	564	13.0	8	14
Secaucus	83	7.9	5	60
Union City	690	11.7	23	33
West New York	482	12.5	24	49
Hunterdon County	456	13.0	31	67
Lambertville	75	16.6	3	40
Mercer County	2,709	14.0	174	64
Princeton Borough	106	14.2	7	66
Trenton	1,680	13.5	105	62
Middlesex County	2,873	13.0	135	46
Carteret	186	13.6	7	37
Highland Park	102	9.9	4	39
New Brunswick	511	14.6	21	41
Perth Amboy	516	11.7	26	50
Sayreville	114	12.2	4	35
South Amboy	117	13.4	3	25
South River	144	12.5	6	41

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	<i>Births (Exclusive of of Still- births)</i>	<i>Birthrates per 1,000 Population</i>	<i>Deaths Under One Year</i>	<i>Infant Mortality Rates</i>
Monmouth County	1,970	12.7	92	46
Asbury Park	171	11.1	13	76
Long Branch	257	13.3	7	27
Red Bank	164	13.6	7	42
Morris County	1,521	13.2	55	36
Dover	159	15.7	7	44
Madison	120	14.4	3	25
Morristown	219	13.9	6	27
Ocean County	480	13.7	29	60
Passaic County	4,011	12.9	185	46
Clifton	632	12.5	31	49
Hawthorne	157	12.0	5	31
Passaic City	738	11.7	31	42
Paterson City	1,834	13.1	87	47
Salem County	622	16.8	40	64
Salem City	141	16.9	7	49
Somerset County	944	13.8	35	37
Bound Brook	131	16.4	3	22
North Plainfield	110	10.0	2	18
Somerville	126	14.1	5	39
Sussex County	410	14.4	30	73
Union County	4,274	13.2	169	39
Elizabeth	1,502	12.7	52	34
Linden	364	17.1	18	49
Plainfield	507	14.2	25	49
Rahway	223	13.1	9	40
Roselle	186	13.0	12	64
Roselle Park Borough	94	9.0	1	10
Summit	191	12.4	5	26
Westfield	203	11.9	7	34
Warren County	691	13.8	40	57
Phillipsburg	245	12.5	11	44

Typhoid Fever—The death rate for this disease for 1934 was only 0.07 per 10,000 population. That the rate was low was proven by the 1933 rate of 0.35 for the United States Registration Area. The rate for the Registration Area for 1934 was not available. The number of deaths from typhoid fever and other diseases 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.

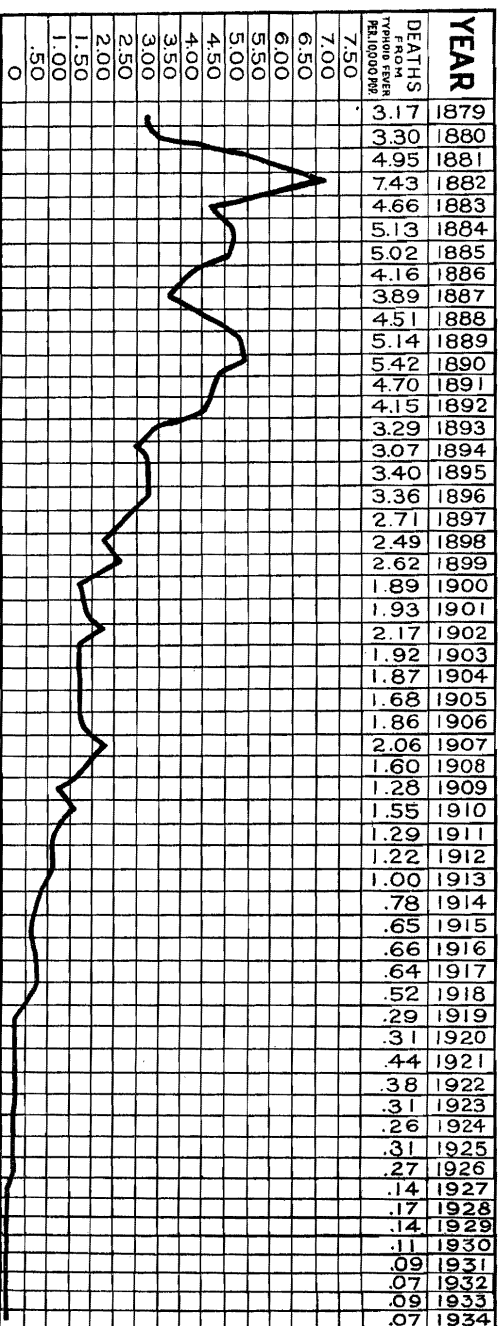
TABLE 8—COMPARATIVE DEATH RATES FROM TYPHOID FEVER PER 10,000 INHABITANTS, IN THE REGISTRATION AREA OF U. S. AND IN N. J. FOR 10 YEARS

	1924	1925	1926	1927	1928	1929	1930	1931	1932	1933
Registration area of the United States	0.67	0.80	0.65	0.55	0.49	0.42	0.48	0.44	0.37	0.35
New Jersey	0.26	0.31	0.27	0.14	0.17	0.14	0.11	0.09	0.07	0.09

TABLE 9—URBAN AND RURAL DEATHS FROM TYPHOID FEVER—1934

	Estimated population	Deaths from typhoid fever	Rate per 10,000 population
State	4,231,000	32	0.07
Municipalities having 5,000 or more inhabitants in 1930	3,063,845	20	0.06
Remainder of State	1,167,155	12	0.10

CHART 3—DEATHS FROM TYPHOID FEVER PER 10,000 POPULATION FOR 56 YEARS



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

COUNTIES	1925	1926	1927	1928	1929	1930	1931	1932	1933	1934
Atlantic County	0.44	0.97	0.53	0.21	0.10	0.31	0.15	0.22	0.21	0.15
Bergen County	0.23	0.26	0.07	0.18	0.07	.....	0.07	.....	0.02	0.10
Burlington County	0.44	0.54	0.32	0.31	0.31	0.31	0.10	0.31	0.41	.....
Camden County	0.36	0.35	0.08	0.47	0.29	0.19	0.07	0.15	0.15	0.03
Cape May County .....	.....	0.51	0.54	.....	.....	0.33	.....	.....	.....	0.32
Cumberland County	1.07	0.15	.....	0.14	0.14	.....	0.14	0.13	0.27	.....
Essex County	0.13	0.16	0.15	0.09	0.18	0.08	0.07	0.05	0.06	0.04
Gloucester County	0.91	0.90	.....	0.51	0.33	.....	0.27	0.28	0.25	0.10
Hudson County	0.32	0.18	0.09	0.09	0.09	0.07	.....	0.02	0.01	0.01
Hunterdon County	0.60	.....	0.30	0.30	.....	.....	.....	.....	.....	.....
Mercer County	0.39	0.49	0.10	0.15	0.15	0.15	0.15	0.05	0.20	0.05
Middlesex County	0.31	0.41	0.10	0.09	0.19	0.18	0.13	0.13	0.04	.....
Monmouth County	0.36	0.26	0.26	0.70	0.17	0.33	0.26	0.31	0.18	0.77
Morris County	0.34	.....	0.11	0.22	.....	0.08	0.08	.....	0.16	0.17
Ocean County .....	.....	0.88	.....	.....	.....	0.29	0.29	.....	0.27	.....
Passaic County	0.24	0.06	0.03	0.10	0.23	.....	0.19	0.06	.....	0.06
Salem County	0.47	0.23	0.45	0.22	.....	0.27	.....	.....	0.54	.....
Somerset County	0.94	0.18	0.36	0.35	.....	0.45	.....	.....	0.56	0.14
Sussex County	0.40	.....	.....	0.40	0.40	.....	.....	.....	.....	.....
Union County	0.34	0.41	0.12	0.11	0.11	0.09	0.18	.....	0.05	.....
Warren County .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
The State	0.31	0.27	0.14	0.17	0.14	0.11	0.09	0.07	0.09	0.07

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

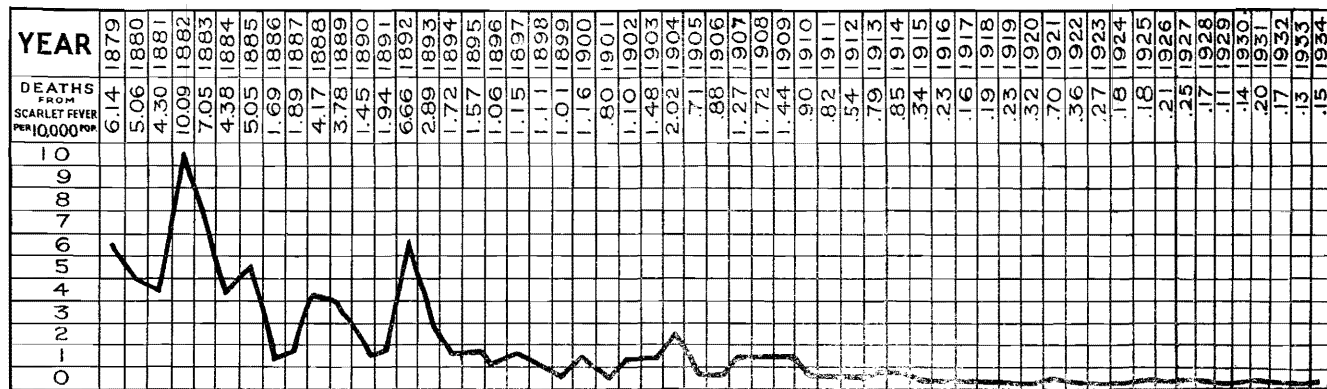
1879	268	1893	148	1907	29	1921	10
1880	293	1894	162	1908	30	1922	3
1881	431	1895	144	1909	25	1923	2
1882	379	1896	119	1910	25	1924	6
1883	290	1897	132	1911	25	1925	3
1884	230	1898	82	1912	29	1926	2
1885	209	1899	96	1913	11	1927	2
1886	243	1900	84	1914	10	1928	3
1887	217	1901	50	1915	17	1929	5
1888	264	1902	36	1916	10	1930	5
1889	203	1903	40	1917	5	1931	0
1890	195	1904	47	1918	13	1932	3
1891	180	1905	21	1919	2	1933	1
1892	198	1906	33	1920	5	1934	0

Smallpox—No deaths from smallpox occurred in New Jersey during 1926, 1927, 1928, 1929, 1930, 1931, 1932, 1933 and 1934. 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 50 deaths in 1934. During the preceding year 71 deaths occurred. In 1929 there were only 33 deaths from measles.

Scarlet Fever—The number of deaths from scarlet fever was 64. Very little variation has occurred in the death rate from this disease for the past ten years. The average rate for the period was about half the rate which prevailed during the previous decade.

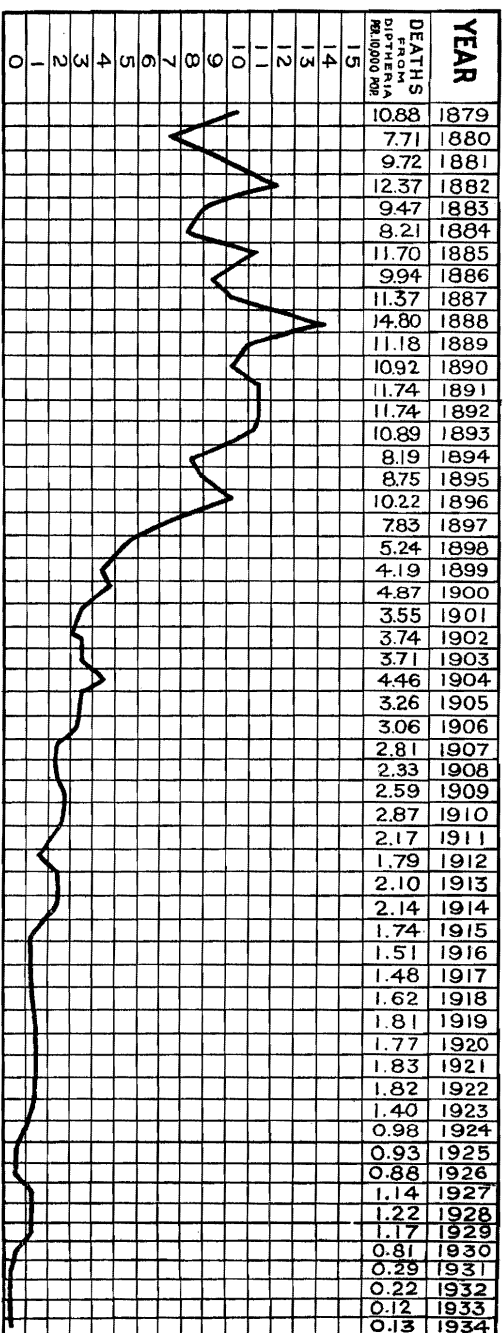
CHART 4—DEATHS FROM SCARLET FEVER PER 10,000 POPULATION FOR 56 YEARS



Whooping Cough—This disease caused 63 deaths during 1934, for 1933 the number was 43 and for 1932, 123.

Diphtheria—During 1934 only 56 persons died from diphtheria and laryngeal croup, equivalent to a rate of 0.13 per 10,000 population, compared with 0.12 for the previous year and 0.22 for 1932. The death rate from diphtheria for 1888 was 14.8 per 10,000 population. During the decade beginning with 1900 the rate declined from 4.8 to 2.5. The following ten-year period showed a decline to 1.8. The rate for 1933 was the lowest recorded.

CHART 5—DEATHS FROM DIPHTHERIA PER 10,000 POPULATION FOR 56 YEARS



Tuberculosis—The number of deaths from all forms of tuberculosis during 1934 was 2,230, of which 2,038 deaths were from tuberculosis of the respiratory system. The death rates per 10,000 population were 5.27 and 4.81, respectively. These were the lowest tuberculosis death rates recorded in New Jersey.

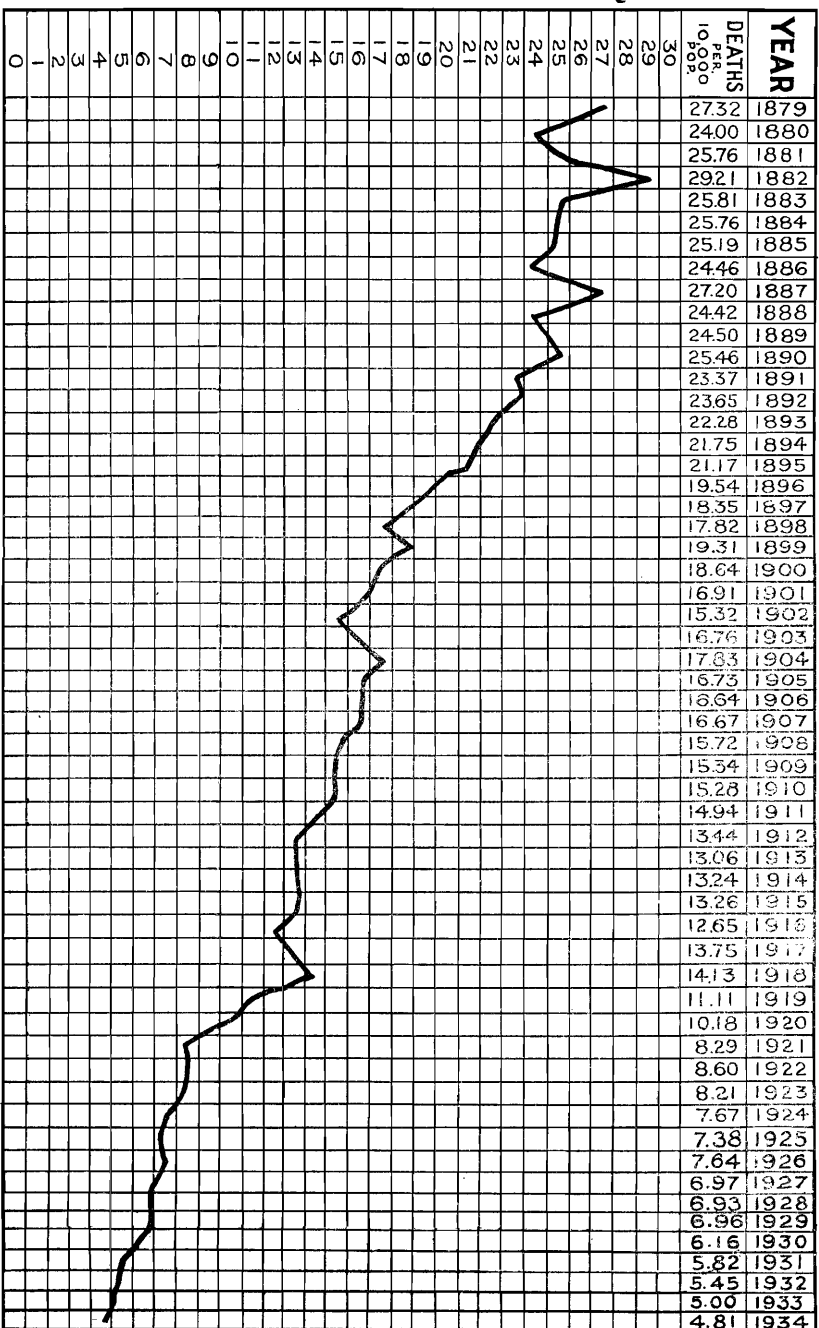
Colored Races—The number of deaths from all forms of tuberculosis was 485 and the rate 22.95 per 10,000 of colored population. The number of deaths from tuberculosis of the respiratory system was 430; the rate 20.35. Rates for the white population were 4.34 and 4.00, respectively.

TABLE 11.—AVERAGE ANNUAL DEATH RATES FROM ALL CAUSES AND FROM TUBERCULOSIS OF LUNGS PER 10,000 POPULATION FOR 56 YEARS, COMPARED WITH RATES FOR 1934

COUNTIES	Average annual death rates from all causes	Death rates from all causes, 1934	*Average annual death rates from tuberculosis of lungs	*Death rates from tuberculosis of lungs, 1934
Atlantic County	153	136	11.6	5.8
Bergen County	118	86	9.7	3.6
Burlington County	146	122	12.8	4.8
Camden County	154	111	14.2	3.6
Cape May County	142	148	9.4	2.2
Cumberland County	110	127	13.7	4.9
Essex County	146	99	15.8	5.8
Gloucester County	138	115	11.6	4.4
Hudson County	157	99	16.1	5.3
Hunterdon County	142	144	11.4	3.4
Mercer County	148	108	15.4	6.1
Middlesex County	133	87	10.9	3.8
Monmouth County	150	131	11.9	6.0
Morris County	120	115	13.4	3.6
Ocean County	146	143	14.0	4.0
Passaic County	139	94	12.8	4.3
Salem County	136	132	12.6	6.7
Somerset County	131	98	10.5	3.5
Sussex County	127	132	10.8	3.1
Union County	122	90	11.0	4.5
Warren County	140	129	10.6	3.8
The State	143	102	13.6	4.8

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

CHART 6—DEATHS FROM TUBERCULOSIS OF LUNGS PER 10,000 POPULATION FOR 56 YEARS

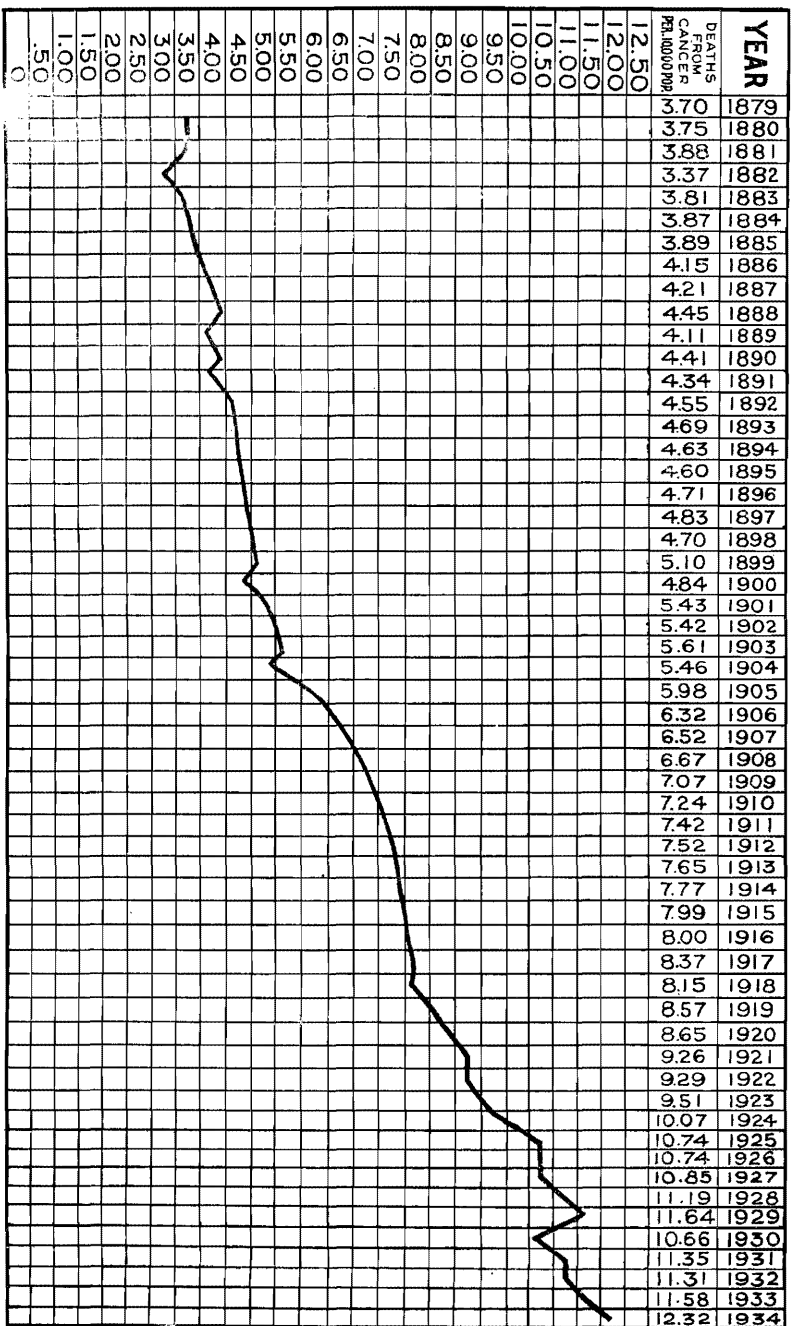


Cancer—The number of deaths from cancer and other malignant growths for 1934 was 5,213 and the death rate was 12.32 per 10,000 population compared with 11.58 for the previous year. The mortality from the disease, with few exceptions, has steadily increased during the fifty-six years recorded in New Jersey.

TABLE 12.—DEATHS FROM CANCER AND OTHER MALIGNANT TUMORS BY ORGAN AFFECTED: NEW JERSEY, 1934

CANCER AND OTHER MALIGNANT TUMORS	AGE PERIODS																				
	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 64	65 to 69	70 to 74	75 to 79	80 to 84	85 to 89	90 and over	Total
Buccal Cavity and Pharynx—								2		7	9	13	23	23	19	16	15	6	2	2	137
Male										3	2	....	3	5	3	5	2	3	2	...	28
Female												13	26	28	22	21	17	9	4	2	165
Total								2		10	11	13	26	28	22	21	17	9	4	2	165
Digestive Tract and Peritoneum—			1	...	1	2	5	11	29	67	110	139	198	228	228	236	119	50	16	1	1441
Male				2	2	2	4	8	30	43	75	119	123	184	210	199	120	77	27	7	1232
Female			1	2	3	4	9	19	59	110	185	258	321	412	438	435	239	127	43	8	2673
Total			1	2	3	4	9	19	59	110	185	258	321	412	438	435	239	127	43	8	2673
Respiratory System—			1	1	2	1	1	1	3	7	22	38	44	43	26	5	11	3	...	...	209
Male				1	...	...	1	1	3	2	3	7	9	10	6	7	...	1	...	...	51
Female			1	2	2	1	2	2	6	9	25	45	53	53	32	12	11	4	...	...	260
Total			1	2	2	1	2	2	6	9	25	45	53	53	32	12	11	4	...	...	260
Uterus—Female						2	11	12	36	48	55	77	61	68	60	53	26	16	4	2	531
Other Female Genital Organs—Female...					3	...	...	3	5	11	9	17	12	18	15	7	13	2	...	...	115
Breast—																					
Male														1	...	1	...	...	...	...	2
Female				1	...	1	5	11	20	39	64	69	70	76	71	69	29	16	6	4	551
Total				1	...	1	5	11	20	39	64	69	70	77	71	70	29	16	6	4	553
Male Genitourinary Organs—Male.....		3	1	...	...	...	1	2	3	8	14	26	50	59	61	80	61	28	11	6	414
Skin																					
Male					1	...	1	...		1	1	3	1	3	5	9	12	6	5	1	49
Female			1	...	...	...	...	...	1	...	3	2	...	2	4	1	6	5	2	2	29
Total			1	...	1	...	1	...	1	1	4	5	1	5	9	10	18	11	7	3	78
Other or Unspecified Organs—																					
Male		6	4	5	6	5	2	4	4	10	19	15	29	23	19	16	12	12	1	...	192
Female		2	1	5	2	4	1	1	9	16	20	30	28	30	23	23	19	9	4	5	232
Total		8	5	10	8	9	3	5	13	26	39	45	57	53	42	39	31	21	5	5	424
Total Male		9	7	6	10	8	10	20	39	100	175	234	345	380	358	363	230	105	35	10	2444
Total Female		2	2	9	7	9	22	36	104	162	231	321	306	393	392	364	215	129	45	20	2769
Total Male and Female		11	9	15	17	17	32	56	143	262	406	555	651	778	750	727	445	234	80	30	5213

CHART 7—DEATHS FROM CANCER PER 10,000 POPULATION FOR 56 YEARS



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Encephalitis Lethargica or Sleeping Sickness—Twenty-seven deaths were assigned to this disease for the year 1934. In 1922, which was the first year that the deaths were separately classified, there were forty-five deaths; 36 deaths were recorded for 1933.

Nephritis—Deaths due to acute and chronic nephritis totaled 3,509, compared with 3,601 for the previous year.

Suicide—Deaths by this means increased considerably during the years 1927 to 1934. Of the various means employed fire-arms were responsible for the most deaths, with poisonous gas and hanging in second and third places. The number of deaths by suicide for eight years follows:

1927	505	1931	694
1928	565	1932	740
1929	622	1933	709
1930	601	1934	667

TABLE 13.—DEATHS BY SUICIDE: NEW JERSEY, 1934

MODE OF DEATH	AGE PERIODS																		Total
	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	Not stated	
Solid or liquid poisons and corrosive substances—																			
Male .....	...	1	1	1	2	11	2	4	5	4	1	2	2	1	...	...	...	...	37
Female	1	5	1	6	8	2	...	2	2	...	3	1	1	1	...	...	...	...	53
Total	1	6	2	7	10	13	2	6	7	4	4	3	3	2	...	...	...	...	70
Poisonous gas—																			
Male .....	...	...	6	8	8	9	17	12	17	17	18	8	8	2	2	...	...	...	127
Female .....	...	...	3	7	4	4	6	10	9	4	6	7	3	6	1	...	...	...	70
Total .....	...	...	9	10	12	13	23	22	26	21	24	15	11	8	3	...	...	...	197
Hanging or strangulation—																			
Male .....	...	1	2	8	7	9	6	15	15	6	12	13	4	2	...	1	...	...	101
Female .....	...	...	...	2	6	3	5	...	7	5	4	3	3	2	...	...	...	...	40
Total .....	...	1	2	10	13	12	11	15	22	11	16	16	7	4	...	1	...	...	141
Drowning—																			
Male .....	...	...	1	2	1	1	5	3	2	1	...	2	2	...	...	...	...	...	20
Female .....	...	...	...	...	1	1	1	2	2	...	1	3	...	...	...	...	...	...	11
Total .....	...	...	1	2	2	2	6	5	4	1	1	5	2	...	...	...	...	...	31
Firearms—																			
Male .....	...	4	7	8	10	12	11	18	20	17	9	16	11	3	...	...	...	...	146
Female .....	...	2	1	...	2	...	2	...	2	1	1	1	...	...	...	...	...	...	12
Total .....	...	6	8	8	12	12	13	18	22	18	10	17	11	3	...	...	...	...	158
Cutting or piercing instruments—																			
Male .....	...	...	1	...	2	1	2	3	4	2	2	2	3	2	1	...	...	...	25
Female .....	...	...	...	...	1	1	...	...	...	...	1	...	...	...	...	...	...	...	3
Total .....	...	...	1	...	3	2	2	3	4	2	3	2	3	2	1	...	...	...	28

Jumping from high places—																				
Male			1		1	1	2	3	4	2	2	4								20
Female		1		2	2	3	1	2												11
Total		1	1	2	3	4	3	5	4	2	2	4								31
Crushing—																				
Male				1	2					1										4
Female				2	1						1									4
Total				3	3					1	1									8
Other means—																				
Male								1		1										2
Female								1												1
Total								2		1										3
Total Male		6	19	23	33	44	45	59	67	51	44	47	30	10	3	1				482
Total Female	1	8	5	19	25	14	13	17	22	10	17	15	7	9	1					185
Total Male and Female.....	1	14	24	42	58	58	60	76	89	61	61	62	37	19	4	1				667

AUTOMOBILE FATALITIES

Deaths due to accidents in which moving automobiles were involved totaled 1,228 compared with 1,207 for 1933. The figures include 16 deaths due to motorcycle accidents and 24 deaths of bicyclists, who were struck by automobiles, but are exclusive of 27 accidental deaths due to the inhalation of motor exhaust.

Analyzed the motor fatality data show the death of 644 pedestrians, which number is equivalent to 52 per cent of the total. Slightly less than one-fourth of the pedestrians who died were children under fifteen years of age. Sixteen per cent of the drivers and occupants of automobiles who were killed were less than twenty years of age.

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

MOTOR VEHICLE FATALITIES BY AGE PERIODS: 1934

Age	<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 ..	36	2	7	0	43	2
5 to 9	73	3	16	1	89	4
10 to 14	29	1	18	2	47	3
15 to 19	21	4	47	5	68	9
20 to 24	11	4	65	14	76	18
25 to 29	14	2	59	16	73	18
30 to 59	234	22	190	59	424	81
60 to 69	116	2	37	14	153	16
70 and over	68	2	28	6	96	8
Totals	602	42	467	117	1,069	159

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MOTOR VEHICLE FATALITIES BY SEX, COLOR AND TYPE OF ACCIDENT, 1934

	<i>Males</i>		<i>Females</i>	
	<i>White</i>	<i>Colored</i>	<i>White</i>	<i>Colored</i>
Pedestrians	455	30	148	11
Collision auto and train or engine	27	1	4	0
Collision auto and street car	0	0	0	0
Collision auto with stationary objects	55	4	17	3
Collision auto with another motor vehicle	204	17	88	8
Collision auto with bicycle	22	0	2	0
Motorcycle accident	16	0	0	0
Other accidents	84	7	25	0
Total	863	59	284	22

MOTOR VEHICLE FATALITIES BY MONTHS OF DEATH, 1934

January	104	July	126
February	52	August	108
March	71	September	110
April	72	October	110
May	111	November	142
June	83	December	139
Total	1,228		

TABLE 14—PERCENTAGE OF THE VARIOUS CAUSES OF TOTAL DEATHS AND EACH SEX OF TOTAL IN NEW JERSEY—1934

Abridged international List Number	CAUSE OF DEATH	Percentage of Total	Males—Percentage of Total	Females—Percentage of Total
1	Typhoid and paratyphoid fever .....	.1	60	40
2	Typhus fever .....	..	100	..
3	Smallpox .....	..	..	..
4	Measles .....	.1	50	50
5	Scarlet fever .....	.1	39	61
6	Whooping cough .....	.1	46	54
7	Diphtheria .....	.1	44	56
8	Influenza .....	.7	54	46
9	Plague .....	..	..	..
10	Tuberculosis of the respiratory system	4.7	58	42
11	Other forms of tuberculosis .....	.4	50	50
12	Syphilis .....	.7	72	28
13	Malaria .....	..	..	..
14	Other infectious and parasitic diseases .....	.5	56	44
15	Cancer and other malignant tumors	12.0	46	54
16	Tumors, nonmalignant, or of which the nature is not specified .....	.5	30	70
17	Chronic rheumatism and gout .....	.1	36	64
18	Diabetes mellitus	2.6	33	67
19	Alcoholism (acute or chronic) .....	.2	80	20
20	Other general diseases and chronic poisonings	1.5	42	58
21	Progressive locomotor ataxia and general paralysis of the insane .....	.4	77	23
22	Cerebral hemorrhage, cerebral embolism and thrombosis	7.8	47	53
23	Other diseases of the nervous system and of the organs of special sense	1.3	56	44
24	Diseases of the heart	27.8	54	46
25	Other diseases of the circulatory system	1.9	54	46
26	Bronchitis .....	.3	51	49
27	Pneumonias	6.4	56	44
28	Other diseases of the respiratory system (tuberculosis excepted) .....	.7	60	40
29	Diarrhea and enteritis .....	.8	55	45
30	Appendicitis	1.1	55	45
31	Diseases of the liver and biliary passages	1.6	50	50
32	Other diseases of the digestive system	2.3	58	42
33	Nephritis	8.1	49	51
34	Other diseases of the genitourinary system	1.2	65	35
35	Puerperal septicemia .....	.2	..	100
36	Other diseases of pregnancy, childbirth and the puer- peral state .....	.4	..	100
37	Diseases of the skin and cellular tissue, and of the bones and organs of locomotion .....	.3	57	43
38	Congenital debility and malformations, premature birth and other diseases of early infancy	3.8	58	42
39	Senility .....	.3	45	55
40	Suicide	1.5	72	28
41	Homicide .....	.4	63	37
42	Violent and accidental deaths (suicide and homicide excepted)	6.3	71	29
43	Cause of death not specified or ill-defined7	83	17
	All causes	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—1934

Abridged International List Number	CAUSE OF DEATH	Total Deaths per 100,000 Estimated Population	White Deaths per 100,000 Estimated White Population	Colored Deaths per 100,000 Estimated Colored Population
1	Typhoid and paratyphoid fever	0.8	0.7	4.2
2	Typhus fever .....	...	...	...
3	Smallpox .....	...	...	...
4	Measles	1.1	1.1	1.8
5	Scarlet fever	1.5	1.5	0.9
6	Whooping cough	1.4	1.3	4.2
7	Diphtheria	1.3	1.3	0.4
8	Influenza	7.3	7.3	12.3
9	Plague .....	...	...	...
10	Tuberculosis of the respiratory system	48.1	40.0	203.5
11	Other forms of tuberculosis	4.5	3.2	26.0
12	Syphilis	7.6	4.7	62.4
13	Malaria .....	...	...	...
14	Other infectious and parasitic diseases	5.5	5.2	9.9
15	Cancer and other malignant tumors	123.2	124.6	96.5
16	Tumors, nonmalignant, or of which the nature is not specified	5.4	5.1	11.3
17	Chronic rheumatism and gout	1.0	1.0	0.9
18	Diabetes mellitus	27.3	27.5	24.1
19	Alcoholism (acute or chronic)	2.3	2.1	6.6
20	Other general diseases and chronic poisonings	15.5	15.3	17.5
21	Progressive locomotor ataxia and general paralysis of the insane	4.1	3.3	18.4
22	Cerebral hemorrhage, cerebral embolism and thrombosis	80.8	79.8	99.8
23	Other diseases of the nervous system and of the organs of special sense	13.8	13.5	20.3
24	Diseases of the heart	285.7	284.0	318.0
25	Other diseases of the circulatory system	19.9	19.6	22.2
26	Bronchitis	3.3	3.3	3.7
27	Pneumonias	66.2	60.4	175.6
28	Other diseases of the respiratory system (tuberculosis excepted)	7.1	6.8	13.2
29	Diarrhea and enteritis	7.9	7.2	21.3
30	Appendicitis	12.0	12.0	12.7
31	Diseases of the liver and biliary passages	16.2	16.6	8.5
32	Other diseases of the digestive system	23.6	22.9	37.3
33	Nephritis	82.9	80.8	122.5
34	Other diseases of the genitourinary system	12.4	12.1	17.9
35	Puerperal septicemia	2.7	2.4	8.5
36	Other diseases of pregnancy, childbirth and the puerperal state	4.2	4.1	6.6
37	Diseases of the skin and cellular tissue, and of the bones and organs of locomotion	3.9	3.0	4.2
38	Congenital debility and malformations, premature birth and other diseases of early infancy	39.5	36.9	89.4
39	Senility	3.2	3.2	2.8
40	Suicide	15.7	16.2	6.6
41	Homicide	3.7	2.8	19.7
42	Violent and accidental deaths (suicide and homicide excepted)	64.9	63.4	92.7
43	Cause of death not specified or ill-defined	0.6	0.6	0.9
	All causes	1029.2	998.5	160.9

TABLE 16.—DEATHS (EXCLUSIVE OF STILLBIRTHS) BY CAUSES AND MONTHS OF DEATH: NEW JERSEY—1934

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 and paratyphoid fever	38	1	1	2	2	....	3	7	5	7	3	3	4
2	Typhus fever	1	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....
3	Smallpox .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
4	Measles	50	2	5	10	8	12	6	4	1	.....	.....	2	.....
5	Scarlet fever	64	7	12	12	9	6	5	3	3	3	2	.....	2
6	Whooping cough	63	5	3	9	6	6	4	1	4	7	8	4	6
7	Diphtheria	56	3	4	6	2	5	10	3	2	3	4	8	6
8	Influenza	309	35	47	32	25	21	11	6	6	7	16	16	87
9	Plague .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
10	Tuberculosis of the respiratory system	2038	176	163	180	192	194	190	171	158	151	144	145	174
11	Other forms of tuberculosis	192	18	21	18	21	14	17	16	11	18	17	11	10
12	Syphilis	324	27	21	33	34	40	28	24	16	21	22	28	30
13	Malaria .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
14	Other infectious and parasitic diseases	233	26	24	18	20	19	24	21	19	13	11	18	20
15	Cancer and other malignant tumors	5213	459	403	426	457	472	418	423	432	423	420	415	465
16	Tumors, nonmalignant, or of which the nature is not specified	232	27	17	27	25	16	23	15	13	10	26	17	16
17	Chronic rheumatism and gout	44	3	3	5	2	3	4	6	4	5	4	2	3
18	Diabetes mellitus	1158	106	116	104	104	101	84	96	85	69	97	97	99
19	Alcoholism (acute or chronic)	100	13	5	6	7	4	10	8	8	5	11	8	15
20	Other general diseases and chronic poisonings.....	656	68	61	62	54	63	51	57	45	53	48	40	54
21	Progressive locomotor ataxia and general paralysis of the insane	174	20	17	27	13	8	14	13	9	12	17	12	12
22	Cerebral hemorrhage, cerebral embolism and thrombosis	3420	345	332	317	311	296	261	230	236	242	263	282	305
23	Other diseases of the nervous system and of the organs of special sense	588	45	48	63	64	55	41	53	39	38	37	55	50
24	Diseases of the heart	12092	1188	1268	1171	1086	984	886	840	760	840	925	963	1181
25	Other diseases of the circulatory system	846	101	71	91	75	71	53	57	55	67	59	71	75
26	Bronchitis	142	13	21	19	10	12	6	2	9	5	17	11	17
27	Pneumonias	2802	307	396	382	286	237	124	98	86	105	143	192	356

28	Other diseases of the respiratory system (tuberculosis excepted)	304	27	21	32	34	33	25	16	23	18	26	24	25
29	Diarrhea and enteritis	337	32	29	28	15	36	23	28	31	36	35	24	20
30	Appendicitis	511	40	40	46	37	47	58	54	29	49	37	37	37
31	Diseases of the liver and biliary passages	686	61	63	56	57	71	63	51	59	44	59	51	51
32	Other diseases of the digestive system	1002	92	95	84	93	79	83	83	76	57	77	81	102
33	Nephritis	3509	368	325	347	323	295	269	257	222	217	273	305	308
34	Other diseases of the genitourinary system	525	43	40	51	52	50	42	39	37	38	47	47	39
35	Puerperal septicemia	115	6	8	10	18	12	7	12	8	6	9	12	7
36	Other diseases of pregnancy, childbirth and the puerperal state	179	17	9	13	17	14	12	22	13	14	11	19	18
37	Diseases of the skin and cellular tissue, and of the bones and organs of locomotion	131	9	7	9	15	14	8	12	10	11	10	11	15
38	Congenital debility and malformations, premature birth and other diseases of early infancy	1675	142	110	136	130	154	155	147	135	123	179	129	126
39	Senility	138	11	14	16	8	18	6	13	8	5	14	8	17
40	Suicide	667	62	52	67	51	71	50	59	58	51	47	47	52
41	Homicide	158	13	8	22	16	6	19	13	12	15	16	9	9
42	Violent and accidental deaths (suicide and homicide excepted)	2746	250	198	229	195	255	228	260	206	228	213	247	237
43	Cause of death not specified or ill-defined	29	1	3	....	3	6	1	3	1	1	3	4	3
	All causes	43547	4259	4081	4166	3886	3800	3323	3223	2934	3017	3350	3455	4053

TABLE 17—DEATHS (EXCLUSIVE OF STILLBIRTHS), FROM EACH CAUSE OF THE ABRIDGED INTERNATIONAL LIST, BY AGE, SEX, AND COLOR
IN NEW JERSEY, 1934

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	
	All causes	43547	2686	330	201	157	144	3518	514	483	649	873	1047	1122	1526	2052	2749	3237	3719	4521	4636	4719	3786	2580	1253	560	3	
	Both sexes—White	40141	2258	276	173	140	127	3004	474	438	562	723	806	916	1292	1787	2445	2910	3471	4272	4459	4553	3686	2512	1230	538	3	
	Both sexes—Colored	3406	398	54	28	17	17	514	40	45	87	150	181	206	234	265	304	327	248	249	177	166	100	68	23	22	...	
	Males—White	21462	1339	151	101	68	62	1721	293	239	308	382	416	468	724	1046	1469	1714	2004	2398	2322	2322	1779	1119	534	201	3	
	Males—Colored	1846	221	29	16	6	12	284	17	24	42	60	83	112	130	138	185	185	141	142	100	100	48	38	11	6	...	
	Females—White	18679	949	125	72	72	65	1283	181	199	254	341	450	448	568	711	976	1196	1467	1874	2137	2231	1907	1393	696	337	...	
	Females—Colored	1560	177	25	12	11	5	230	23	21	45	90	98	94	104	127	119	142	107	107	77	66	52	30	12	16	...	
1	Typhoid and paratyphoid fever—																											
	Total	38								2	4	6	6	5		3	4	2	2		1	1	2					
	Males—White	18								1	1	2	4	3		1	3				1	1	1					
	Males—Colored	5									1	1	1	1									1					
	Females—White	11								1	1	1	1	1		2	1	2	2									
	Females—Colored	4									1	3																
2	Typhus fever—																											
	Total	1																	1									
	Males—White	1																	1									
	Males—Colored																											
	Females—White																											
	Females—Colored																											
3	Smallpox—																											
	Total																											
	Males—White																											
	Males—Colored																											
	Females—White																											
	Females—Colored																											
4	Measles—																											
	Total	50	5	14	9	5	2	35	9	5													1					
	Males—White	23	3	8	4	3		18	3	2																		
	Males—Colored	2		2				2																				
	Females—White	23	2	4	5	2	2	15	4	3													1					
	Females—Colored	2						2																				

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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, 1934—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	
12	Syphilis—																											
	Total	324	29	4	1	.....	.....	34	.....	2	4	8	11	12	19	39	43	43	42	85	17	9	5	1	.....	.....	.....
	Males—White	142	10	2	.....	.....	.....	12	.....	1	1	3	4	2	12	21	22	25	20	9	6	2	.....	.....	.....	.....	.....
	Males—Colored	92	6	1	.....	.....	.....	7	.....	1	1	.....	4	3	11	12	16	14	8	7	4	.....	3	1	.....	.....	.....
	Females—White	50	5	.....	.....	.....	.....	5	.....	.....	2	4	2	2	4	9	2	4	6	6	3	1	.....	.....	.....	.....	.....
	Females—Colored	40	8	1	1	.....	.....	10	.....	.....	.....	1	1	5	2	6	4	3	3	2	1	2	.....	.....	.....	.....	.....
13	Malaria—																											
	Total .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Males—White .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Males—Colored .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Females—White .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Females—Colored .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
14	Other infectious and parasitic diseases—																											
	Total	233	28	16	6	1	4	53	18	10	12	17	13	13	12	10	12	12	13	15	5	6	7	5	.....	.....	.....
	Males—White	123	12	7	5	1	3	28	11	6	10	6	6	7	4	8	8	3	6	9	1	2	4	4	.....	.....	.....
	Males—Colored	9	.....	1	.....	.....	.....	1	.....	1	.....	1	1	1	.....	.....	1	3	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Females—White	89	13	8	1	.....	1	23	6	3	2	6	4	4	5	2	3	6	7	6	4	4	3	1	.....	.....	.....
	Females—Colored	12	1	.....	.....	.....	.....	1	1	.....	.....	4	2	1	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
15	Cancer and other malignant tumors—																											
	Total	5213	.....	4	2	1	4	11	9	15	17	17	32	56	143	262	406	555	651	773	750	727	445	234	80	30	.....
	Males—White	2363	.....	4	2	1	2	9	7	6	10	8	10	19	37	95	166	217	332	370	352	354	227	100	35	9	.....
	Males—Colored	81	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	2	5	9	17	13	10	6	9	3	5	.....	1	.....
	Females—White	2646	.....	.....	.....	.....	2	2	2	9	7	7	20	31	93	148	211	304	293	375	380	361	212	127	44	20	.....
	Females—Colored	123	.....	.....	.....	.....	.....	.....	.....	.....	.....	2	2	5	11	14	20	17	13	18	12	3	3	2	1	.....	.....
16	Tumors, nonmalignant, or of which the nature is not specified—																											
	Total	232	1	.....	1	5	1	8	3	6	6	9	7	14	36	34	32	28	15	11	8	10	2	3	.....	.....	.....
	Males—White	65	1	.....	1	1	1	4	2	3	2	3	4	4	9	8	7	6	3	3	3	2	.....	2	.....	.....	.....
	Males—Colored	5	.....	.....	.....	.....	.....	.....	.....	.....	.....	2	.....	.....	1	.....	.....	1	1	.....	.....	.....	.....	.....	.....	.....	.....
	Females—White	143	.....	.....	.....	4	.....	4	1	3	4	3	2	5	23	23	22	20	10	7	5	8	2	1	.....	.....	.....
	Females—Colored	19	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	1	5	3	3	3	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, 1934—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		
24	Diseases of the heart—	12092	14	3	3	5	4	29	33	86	70	84	122	163	257	393	663	876	1103	1509	1625	1742	1513	1074	534	216	...		
	Total	6240	5	...	...	2	...	29	33	86	36	36	47	77	135	225	388	517	648	855	852	880	709	477	231	72	...
	Males—White	358	1	...	...	...	1	2	...	1	3	3	7	12	19	16	41	49	38	58	34	39	17	13	5	1	...
	Males—Colored	5180	6	2	3	2	3	16	15	54	31	36	61	60	79	127	208	272	390	561	710	791	766	574	292	137	...		
	Females—White	314	2	1	...	1	...	4	1	...	...	9	7	14	24	25	26	38	27	35	29	32	21	10	6	6	...
	Females—Colored																												
25	Other diseases of the circulatory system—	846	1	2	...	1	...	4	...	1	2	1	6	8	8	16	34	34	52	70	83	132	122	141	85	47	...		
	Total	421	1	...	...	1	...	2	...	1	1	...	4	3	3	6	19	19	32	40	39	73	55	60	41	23	...
	Males—White	36	...	1	...	...	...	1	...	...	...	...	1	3	2	4	2	3	1	4	4	5	3	1	2	...	...
	Males—Colored	368	...	1	...	...	...	1	...	...	...	...	1	2	2	4	12	11	18	26	37	52	59	77	42	24	...
	Females—White	21	...	...	...	...	...	...	...	...	1	1	...	1	2	1	1	1	1	...	3	2	5	3	...	...	...
	Females—Colored																												
26	Bronchitis—	142	8	6	2	...	1	17	3	1	2	2	2	2	4	3	7	5	11	11	19	10	14	12	8	9	...		
	Total	68	2	2	...	...	...	4	2	...	2	...	1	1	2	3	6	4	5	6	6	4	10	4	5	3	...
	Males—White	4	2	...	...	...	...	2	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Males—Colored	66	2	4	2	...	1	9	...	1	...	2	1	1	1	...	1	1	5	5	12	6	4	8	3	6	...		
	Females—White	4	2	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	...
	Females—Colored																												
27	Pneumonias—	2802	438	111	53	27	24	653	62	46	39	44	78	82	125	160	187	168	189	205	168	216	185	108	55	32	...		
	Total	1370	203	48	20	9	11	291	35	23	24	21	30	34	69	90	108	84	109	105	97	106	71	45	16	12	...		
	Males—White	214	52	14	4	2	1	73	1	1	2	8	9	13	11	16	17	20	14	17	5	9	3	3	2	...	...
	Males—Colored	1061	134	39	24	13	11	221	21	18	11	11	30	31	40	41	54	54	58	87	64	97	111	57	35	20	...		
	Females—White	157	49	10	5	3	1	68	5	4	2	4	9	4	5	13	8	10	8	6	2	4	...	3	2	...	...
	Females—Colored																												
28	Other diseases of the respiratory system (tuberculosis excepted)—	304	14	6	4	4	3	31	6	5	6	7	11	11	16	23	21	31	22	29	23	25	12	6	5	12	...		
	Total	164	5	1	2	2	2	12	4	3	5	3	5	7	9	14	12	20	9	20	13	15	8	...	1	4	...		
	Males—White	19	1	...	...	...	...	1	...	...	...	...	1	2	3	...	4	4	3	...	...	...	...	...	...	...	...
	Males—Colored	112	7	5	2	2	1	17	2	2	1	2	4	2	4	10	4	7	9	9	10	9	4	6	4	6	...		
	Females—White	9	1	...	...	...	...	1	...	...	...	2	1	...	...	1	1	...	1	...	...	1	...	...	...	...	...
	Females—Colored																												

[illegible]

TABLE 17—DEATHS (EXCLUSIVE OF STILLBIRTHS) FROM EACH CAUSE OF THE ABRIDGED INTERNATIONAL LIST, BY AGE, SEX, AND COLOR
IN NEW JERSEY, 1934—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		
36	Other diseases of pregnancy, childbirth and the puerperal state—																												
	Total	179									15	28	48	41	35	12													
	Females—White	165									15	27	42	37	33	11													
	Females—Colored	14										1	6	4	2	1													
37	Diseases of the skin and cellular tissue and of the bones and organs of locomotion—																												
	Total	131	8	3	2	2	3	18	7	10	12	5	2	9	2	8	7	9	9	6	7	8	1	6	2	3			
	Males—White	70	6	2	2		1	11	4	5	6	4	1	7	1	4	4	3	4	3	2	5	1	4		1			
	Males—Colored	5							1				1					1	1										
	Females—White	52	2	1		2	2	7	3	4	4	1		2	1	4	3	3	4	3	5	2		2	2	2			
	Females—Colored	4										1						2				1							
38	Congenital debility and malformations, premature birth and other diseases of early infancy—																												
	Total	1675	1649	16	3	2	1	1671	4																				
	Males—White	867	855	5	2	2	1	865	2																				
	Males—Colored	109	108		1			109																					
	Females—White	619	606	11				617	2																				
	Females—Colored	80	80					80																					
39	Senility—																												
	Total	138																			5	11	22	37	30	33			
	Males—White	59																			2	4	11	18	15	9			
	Males—Colored	3																				1				2			
	Females—White	73																			3	6	10	19	15	20			
	Females—Colored	3																					1			2			
40	Suicide—																												
	Total	667							1	14	24	42	58	58	60	76	89	61	61	62	37	19	4	1					
	Males—White	469								6	18	22	31	42	43	56	66	50	44	47	30	10	3	1					
	Males—Colored	13									1	1	2	2	2	3	1												
	Females—White	184							1	7	5	19	25	14	15	17	22	10	17	15	7	9	1						
	Females—Colored	1								1																			

TABLE 18.—DEATHS (exclusive of stillbirths) BY CAUSES, BY DAYS, WEEKS AND MONTHS OF THE FIRST YEAR OF LIFE, IN NEW JERSEY—1934

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
	All causes	2686	795	200	123	223	1341	151	84	58	1634	198	158	327	226	143
1	Typhoid and paratyphoid fever															
2	Typhus fever															
3	Smallpox													2		3
4	Measles	5														
5	Scarlet fever											6	6	13	10	7
6	Whooping cough	42													2	2
7	Diphtheria	4														
8	Influenza	13				1	1				1	1	1	5	1	4
9	Plague															
10	Tuberculosis of the respiratory system	2													2	
11	Other forms of tuberculosis	6										1		2		3
12	Syphilis	29	6	1	1	2	10	2	1		13	1	5	5	2	3
13	Malaria															
14	Other infectious and parasitic diseases	26				1	1	2	1		4	6	3	2	6	5
15	Cancer and other malignant tumors															
16	Tumors, nonmalignant, or of which the nature is not specified	1													1	
17	Chronic rheumatism and gout															
18	Diabetes mellitus															
19	Alcoholism (acute or chronic)															
20	Other general diseases and chronic poisonings	75	6	5	3	6	20	7	2	2	31	8	6	14	9	7
21	Progressive locomotor ataxia and general paralysis of the insane															
22	Cerebral hemorrhage, cerebral embolism and thrombosis	3												2	1	
23	Other diseases of the nervous system and of the organs of special sense	48	1			1	2		2	2	6	2	3	24	8	5
24	Diseases of the heart	14			1		1				1		2	6	4	1
25	Other diseases of the circulatory system	1													1	
26	Bronchitis	8						1		2	3	3		1		1

27	Pneumonias	438	3	27	2	17	24	7	13	16	60	50	57	123	86	62
28	Other diseases of the respiratory system (tuberculosis excepted)	14	1	.....	.....	1	2	.....	.....	2	5	.....	.....	1	3	3
29	Diarrhea and enteritis	201	.....	.....	2	5	7	6	6	2	21	33	28	57	47	15
30	Appendicitis	2	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	1	.....	.....
31	Diseases of the liver and biliary passages	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....
32	Other diseases of the digestive system	39	.....	1	.....	1	2	.....	1	.....	3	4	2	9	15	6
33	Nephritis	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....
34	Other diseases of the genitourinary system	6	.....	.....	.....	.....	.....	1	.....	.....	1	.....	.....	3	2	.....
35	Puerperal septicemia .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
36	Other diseases of pregnancy, childbirth and the puerperal state .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
37	Diseases of the skin and cellular tissue, and of the bones and organs of locomotion	8	.....	.....	.....	.....	.....	1	.....	.....	1	1	.....	4	1	1
38	Congenital debility and malformations, premature birth and other diseases of early infancy...	1649	772	190	113	187	1262	124	55	33	1474	66	39	44	19	7
39	Senility .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
40	Suicide	10	5	.....	.....	1	1	7	.....	2	.....	9	1	.....	.....	.....
41	Homicide	38	1	1	.....	.....	2	.....	1	1	4	8	5	8	5	8
42	Violent and accidental deaths (suicide and homicide excepted)	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	1	.....	.....	.....
43	Cause of death not specified or ill-defined .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

26	Bronchitis	8	1	1	1	2	1	1	1	1	1	1	1
27	Pneumonias	438	58	61	53	51	43	28	15	9	22	26	32
28	Other diseases of the respiratory system (tuberculosis excepted)	14	.....	.....	2	1	1	2	.....	1	.....	1	3
29	Diarrhea and enteritis	201	15	19	18	8	22	12	18	14	31	20	12
30	Appendicitis	2	.....	.....	1	.....	.....	.....	.....	.....	.....	1	.....
31	Diseases of the liver and biliary passages	1	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....
32	Other diseases of the digestive system	39	1	4	1	3	6	2	3	4	3	4	5
33	Nephritis	1	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....
34	Other diseases of the genitourinary system	6	1	1	1	1	.....	.....	.....	1	.....	.....	1
35	Puerperal septicemia .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
36	Other diseases of pregnancy, childbirth and the puerperal state .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
37	Diseases of the skin and cellular tissue, and of the bones and organs of locomotion	8	1	.....	.....	2	.....	1	.....	1	1	1	1
38	Congenital debility and malformations, premature birth and other diseases of early infancy	1649	141	107	130	138	152	153	146	135	121	175	129
39	Senility .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	122
40	Suicide .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
41	Homicide	19	1	.....	1	4	1	1	.....	1	.....	.....	1
42	Violent and accidental deaths (suicide and homicide excepted)	38	6	1	5	1	8	1	3	2	1	4
43	Cause of death not specified or ill-defined	2	1	1	6

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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	Fort Lee	Garfield	Hackensack
1. Typhoid fever	32	2	2			4		2					
2. Paratyphoid fever	6												
3. Typhus fever	1												
4. Relapsing fever													
5. Undulant fever													
6. Smallpox													
7. Measles	50	4	1										
8. Scarlet fever	64	1		1		3			1				
9. Whooping cough	63	2			1	5							
10. Diphtheria	56					15					1	12	1
11. Influenza	309	18	10	1	1	19	1	2		2		1	
12. Cholera	12												
13. Dysentery													
14. Plague													
15. Erysipelas	47												
16. Acute poliomyelitis and acute polioencephalitis						10	1	2					2
17. Lethargic or epidemic encephalitis	13	1				3		1	1				
18. Epidemic cerebrospinal meningitis	27	1		1		2							
19. Glanders	20	1											
20. Anthrax (bacillus anthracis) malignant pustule													
21. Rabies													
22. Tetanus	23					3							
23. Tuberculosis of the respiratory system	2038	77	54	6	5	141	7	8	6	6	4	19	14
24. Tuberculosis of the meninges and central nervous system	58	8	4		3	6			1				
25. Tuberculosis of the intestines and peritoneum	34	3	2			1							
26. Tuberculosis of the vertebral column	19	2	1			1							
27. Tuberculosis of the bones and joints	9	1											
28. Tuberculosis of the skin and subcutaneous cellular tissue	1												
29. Tuberculosis of the lymphatic system	4												
30. Tuberculosis of the genitourinary system	16					2			1				
31. Tuberculosis of other organs	1												
32. Disseminated tuberculosis	50	2	1			2			1				
33. Leprosy													
34. Syphilis	324	28	19		3	24	1		5		1	4	4
35. Gonococcus infection and other venereal diseases	24	1	1			3							
36. Purulent infection, septicemia	52	3		1	1	10							1
37. Yellow fever													
38. Malaria													
39. Other diseases due to protozoal parasites													
40. Ankylostomiasis													
41. Hydatid cysts	1					1		1					
42. Other diseases caused by helminths	6												
43. Mycoses	2												
44. Other infectious and parasitic diseases	6												
45. Cancer and other malignant tumors of the buccal cavity and pharynx	165	6	3		1	13		3		1	1		
46. Cancer and other malignant tumors of the digestive tract and peritoneum	2673	77	43	3	4	263	8	16	8	9	4	13	26
47. Cancer and other malignant tumors of the respiratory system	260	6	4			21		2	3			2	
48. Cancer and other malignant tumors of the uterus	531	27	15			33	1	1	1	2		2	2
49. Cancer and other malignant tumors of other female genital organs	115	4	3			17	4						2
50. Cancer and other malignant tumors of the breast	553	21	12		3	65	3	1	1	2	1		9
51. Cancer and other malignant tumors of the male genitourinary organs	414	18	6		1	25		2	1		2		1
52. Cancer and other malignant tumors of the skin	78	6	2	1		7				1	1		1
53. Cancer and other malignant tumors of other or unspecified organs	424	16	11		1	37	2	2	2			3	2

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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
1. Typhoid fever					2					1	
2. Paratyphoid fever											
3. Typhus fever											
4. Relapsing fever											
5. Undulant fever											
6. Smallpox					1					5	
7. Measles					2					3	
8. Scarlet fever		1	1	1	1	5				2	
9. Whooping cough	1				1	1				2	
10. Diphtheria	1	5	3	2	22		3			12	2
11. Influenza											
12. Cholera		1									
13. Dysentery											
14. Plague	1	1	1	1	2			1			
15. Erysipelas											
16. Acute poliomyelitis and acute polioencephalitis		1	1		1	1	1			1	
17. Lethargic or epidemic encephalitis					3						
18. Epidemic cerebrospinal meningitis											
19. Glanders											
20. Anthrax (bacillus anthracis) malignant pustule											
21. Rabies											
22. Tetanus			1		2					1	
23. Tuberculosis of the respiratory system	15	28	18	20	317	11	23	3	9	33	5
24. Tuberculosis of the meninges and central nervous system		1		3	6		1			1	
25. Tuberculosis of the intestines and peritoneum	1	1			7	1					
26. Tuberculosis of the vertebral column					3					1	
27. Tuberculosis of the bones and joints							1				
28. Tuberculosis of the skin and subcutaneous cellular tissue											
29. Tuberculosis of the lymphatic system		1			4						
30. Tuberculosis of the genitourinary system											
31. Tuberculosis of other organs	1				10		1			1	1
32. Disseminated tuberculosis											
33. Leprosy	3	2		4	61		3	1	1	4	
34. Syphilis											
35. Gonococcus infection and other venereal diseases	1		1	3	3	1					
36. Purulent infection, septicemia					7						
37. Yellow fever											
38. Malaria											
39. Other diseases due to protozoal parasites											
40. Ankylostomiasis											
41. Hydatid cysts											
42. Other diseases caused by helminths										1	
43. Mycoses											
44. Other infectious and parasitic diseases											
45. Cancer and other malignant tumors of the buccal cavity and pharynx	1	2	2		18		1	1		5	1
46. Cancer and other malignant tumors of the digestive tract and peritoneum	15	44	46	25	267	9	27	9	17	45	5
47. Cancer and other malignant tumors of the respiratory system	3	4	8	4	31		4	1	1	3	
48. Cancer and other malignant tumors of the uterus	3	9	8	10	53	1	6	1	2	17	4
49. Cancer and other malignant tumors of other female genital organs	1		3	1	10					2	
50. Cancer and other malignant tumors of the breast	1	25	6	8	47	1	7	5	3	5	1
51. Cancer and other malignant tumors of the male genitourinary organs	6	4	4	2	38	1	2	2	4	8	1
52. Cancer and other malignant tumors of the skin	1		1		8	1	1	1		3	1
53. Cancer and other malignant tumors of other or unspecified organs	1	9	2	6	50	4	6	2	1	9	

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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												1									
															1						
1					1					2		3		3	2		1				
8	1				4		1	1				6	1	3							
15	2	1		2	9	1						4			1						
13					11							1		1	2					1	
38	5	1		1	20	1		5	2	6	1	13		10	16		1	1	3	2	4
4	2				2							1									
8	1			1	4	1		1		1		1		1	1						
1				1	4			1							1				1		
6															5						
3							2								1						
376	68	3	8	40	183	18	4	25	12	12		118	4	83	85	2	3	17	17	4	4
11	1				8	2						3		2	4		1		1		
6				1	3	1						1		1	1				1		
1												1	1								
2					1			1													
2								2													
1					1					1		1		1	1						
8	1			1	5			1				4		3	2			1			
40	4	2		5	24	1		2	1	2		20	1	16	11			4	4		
5	1	1			2				1						1				1		
6	1			1	1			1	1			3		2	3			1			1
1												2		2							
4	1				1				1												
39	1			6	22	1		2	1			8		7	9			2	1		
463	28	9	7	37	244	28	3	49	21	36	7	105	5	64	118	6	2	22	25	7	5
56	5	1	3	3	30	1	2	2	3	4	1	8	1	5	15			4	5		1
54	5			5	26	2		6	4	4	1	21		15	18		3	5	5		
24	3				14	1	1	3				8		5	1						
76	5	1	1	6	44	1		10		6	1	14	1	7	29		5	7	7		2
60	13			3	30	3		8	2	9		26	3	17	16			3	1	2	
7	3		1	1	1			1				5		3	3		1				
63	7		2	5	27	2		11	3	4	1	28	2	18	17	1	1	6	4		

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

	South River	Monmouth County	Asbury Park	Long Branch	Red Bank	Morris County	Dover	Madison	Morristown	Ocean County	Passaic County
1. Typhoid fever		12	5			2			1		2
2. Paratyphoid fever		5									
3. Typhus fever											
4. Relapsing fever											
5. Undulant fever											
6. Smallpox											
7. Measles						1	1			1	1
8. Scarlet fever		4				5	1			1	
9. Whooping cough	1	1		1		1				1	8
10. Diphtheria		1				2	1				6
11. Influenza		10				10	2	1		5	25
12. Cholera											
13. Dysentery						1					2
14. Plague											
15. Erysipelas		3				3					3
16. Acute poliomyelitis and acute polioencephalitis		1									
17. Lethargic or epidemic encephalitis		1									1
18. Epidemic cerebrospinal meningitis						1					3
19. Glanders											
20. Anthrax (bacillus anthracis) malignant pustule											
21. Rabies		1									2
22. Tetanus		94	10	13	6	42	5	6	4	14	134
23. Tuberculosis of the respiratory system		1				2					3
24. Tuberculosis of the meninges and central nervous system		2				2					3
25. Tuberculosis of the intestines and peritoneum		1				1					1
26. Tuberculosis of the vertebral column		1									2
27. Tuberculosis of the bones and joints		1	1								
28. Tuberculosis of the skin and subcutaneous cellular tissue											
29. Tuberculosis of the lymphatic system		2	1			1					1
30. Tuberculosis of the genitourinary system		2									2
31. Tuberculosis of other organs		2								1	3
32. Disseminated tuberculosis		19	5	3	4	6			1	3	20
33. Leprosy		2				1			1		1
34. Syphilis		1				1					
35. Gonococcus infection and other venereal diseases											
36. Purulent infection, septicemia											
37. Yellow fever											
38. Malaria											
39. Other diseases due to protozoal parasites											
40. Ankylostomiasis											
41. Hydatid cysts											
42. Other diseases caused by helminths		1									
43. Mycoses											
44. Other infectious and parasitic diseases											
45. Cancer and other malignant tumors of the buccal cavity and pharynx		5	1	1	1	3				1	14
46. Cancer and other malignant tumors of the digestive tract and peritoneum	4	110	10	18	10	78	3	6	17	31	228
47. Cancer and other malignant tumors of the respiratory system	1	15	4	2	1	8		1	1		17
48. Cancer and other malignant tumors of the uterus		22	2		2	12	1		2	8	53
49. Cancer and other malignant tumors of other female genital organs		2	1			1		1		1	6
50. Cancer and other malignant tumors of the breast		22	4	1		25	1	1	2	4	35
51. Cancer and other malignant tumors of the male genitourinary organs	1	17	1	1	2	12		2	2	10	32
52. Cancer and other malignant tumors of the skin		5			1	3				3	6
53. Cancer and other malignant tumors of other or unspecified organs		16		3	1	20	3	2	4	4	26

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WHICH FOLLOW: 1934—Continued

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DEPARTMENT OF HEALTH

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	Fort Lee	Garfield	Hackensack
54. Nonmalignant tumors	162	7	4	1	....	23	1	2	2	....	3	...	
55. Tumors of which the nature is not specified	70	....	....	....	....	4	....	....	1	....	....	....	2
56. Acute rheumatic fever	118	3	2	....	....	10	2	....	....	....	....	....	....
57. Chronic rheumatism, osteoarthritis	44	2	2	....	....	4	....	....	....	....	....	....	....
58. Gout	1158	40	20	1	5	82	2	5	3	4	6	4	2
59. Diabetes mellitus	1	1	....	....	....	....	....	....	....	....	....	....	....
60. Scurvy	1	1	....	....	....	....	....	....	....	....	....	....	....
61. Beriberi	12	2	2	....	....	....	....	....	....	....	....	....	....
62. Pellagra	8	1	1	....	....	....	....	....	....	....	....	....	....
63. Rickets	1	....	....	....	....	....	....	....	....	....	....	....	....
64. Osteomalacia	1	1	1	....	....	....	....	....	....	....	....	....	....
65. Diseases of the pituitary body	1	1	1	....	....	....	....	....	....	....	....	....	....
66. Diseases of the thyroid and parathyroid glands	123	7	2	....	....	12	....	2	....	....	1	....	1
67. Diseases of the thymus gland	50	2	....	2	....	6	....	....	....	....	....	....	1
68. Diseases of the adrenals	10	....	....	....	....	1	....	....	1	....	....	....	....
69. Other general diseases	15	....	....	....	....	1	....	....	....	....	....	....	....
70. Hemorrhagic conditions	15	....	....	....	....	4	....	....	1	....	....	....	....
71. Anemias	94	3	1	....	....	5	....	....	1	....	....	....	....
72. Leukemias and pseudoleukemias	160	1	1	....	....	20	2	1	2	....	1	1	....
73. Diseases of the spleen	21	....	....	....	....	3	....	....	....	....	....	2	1
74. Other diseases of the blood and blood-making organs	13	1	1	....	....	2	....	1	....	....	....	....	....
75. Alcoholism	100	12	12	....	....	2	....	....	....	....	....	....	1
76. Chronic poisoning by other organic substances	2	1	1	....	....	1	....	....	....	....	....	....	....
77. Chronic poisoning by mineral substances	6	....	....	....	....	2	....	....	....	....	....	....	....
78. Encephalitis	53	1	....	....	....	2	....	....	....	....	....	....	....
79. Meningitis	76	....	....	....	....	6	....	....	....	....	1	1	....
80. Progressive locomotor ataxia	30	2	1	1	....	1	....	....	....	....	1	....	....
81. Other diseases of the spinal cord	89	3	2	....	....	6	....	....	....	....	....	....	....
82. Cerebral hemorrhage, cerebral embolism and thrombosis	3420	150	87	7	17	238	9	5	14	5	4	18	23
83. General paralysis of the insane	144	6	5	....	....	7	....	2	1	....	....	....	1
84. Dementia præcox and other psychoses	52	1	1	....	....	6	1	....	....	....	....	....	....
85. Epilepsy	70	1	....	1	....	7	....	....	1	....	....	....	....
86. Convulsions (under 5 years of age)	11	....	....	....	....	....	....	....	....	....	....	....	....
87. Other diseases of the nervous system	123	7	6	....	....	10	....	....	....	....	....	....	....
88. Diseases of the organs of vision	2	....	....	....	....	1	....	....	....	....	....	....	....
89. Diseases of the ear and of the mastoid process	112	7	5	....	1	10	1	....	....	1	....	1	3
90. Pericarditis	20	1	1	....	....	4	....	....	....	....	....	....	....
91. Acute endocarditis	140	4	2	....	....	8	....	....	....	....	....	....	....
92. Chronic endocarditis, valvular diseases	1849	89	55	4	6	129	1	....	9	4	5	9	11
93. Diseases of the myocardium	6339	266	143	17	20	460	12	17	14	13	15	19	34
94. Diseases of the coronary arteries and angina pectoris	1797	68	33	1	10	186	4	5	14	3	5	8	7
95. Other diseases of the heart	1947	94	59	3	8	114	4	5	4	....	6	12	4
96. Aneurysm	67	4	3	....	1	6	....	1	1	....	....	....	....
97. Arterio sclerosis	640	17	6	1	....	51	5	1	2	....	1	1	....
98. Gangrene	24	3	2	....	1	....	....	....	....	....	....	....	....
99. Other diseases of the arteries	72	3	1	....	....	12	1	1	....	....	....	2	....
100. Diseases of the veins	19	....	....	....	....	1	....	....	....	....	....	....	....
101. Diseases of the lymphatic system	4	....	....	....	....	....	....	....	....	....	....	1	....
102. Idiopathic anomalies of the blood-pressure	17	1	....	....	....	1	....	....	....	....	....	....	....
103. Other diseases of the circulatory system	3	....	....	....	....	....	....	....	....	....	....	....	....
104. Diseases of the nasal fossae and annexae	23	....	....	....	....	5	....	....	....	....	....	....	....
105. Diseases of the larynx	15	1	....	....	....	1	....	....	....	....	....	....	....
106. Bronchitis	142	4	3	....	....	8	....	....	....	....	2	1	1
107. Broncho pneumonia	1085	49	30	3	68	2	3	2	2	9	6
108. Lobar pneumonia	1603	63	41	3	7	125	2	3	8	3	3	7	11

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OF NEW JERSEY AND MUNICIPALITIES OF 5,000 OR MORE INHABITANTS IN 1930. (COUNTY WHICH FOLLOW: 1934—Continued)

Lodi	North Arlington	Ridgedale Park	Ridgewood	Rutherford	Wallington	Burlington County	Bordentown	Burlington City	Camden County	Audubon	Camden City	Collingswood	Gloucester City	Haddonfield	Cape May County	Cumberland County	Bridgeton	Milville	Vineland	Essex County	Belleville
2	1	2	.....	.....	.....	2	1	.....	7	1	1	.....	.....	2	.....	.....	.....	.....	.....	39	1
.....	1	.....	.....	1	1	2	1	.....	5	.....	1	.....	.....	1	1	2	.....	1	.....	17	1
.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	3	.....	.....	.....	.....	.....	.....	.....	.....	28	.....
.....	1	3	3	6	2	38	2	10	64	3	35	2	2	3	20	25	7	5	6	237	9
.....	.....	.....	.....	.....	.....	.....	.....	.....	4	.....	4	.....	.....	.....	.....	.....	.....	.....	.....	2	.....
.....	.....	.....	1	1	.....	2	.....	.....	6	.....	4	1	1	.....	.....	.....	.....	.....	.....	25	2
.....	.....	.....	.....	.....	1	2	.....	.....	5	.....	5	1	.....	.....	.....	4	1	.....	.....	6	1
.....	.....	.....	.....	.....	.....	.....	.....	.....	2	.....	1	.....	.....	1	.....	1	.....	1	.....	3	1
.....	.....	.....	.....	1	.....	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2	.....
1	.....	.....	2	1	.....	7	1	.....	10	.....	5	.....	.....	.....	.....	1	1	.....	.....	10	.....
.....	.....	.....	.....	.....	.....	4	.....	1	7	.....	4	.....	.....	.....	2	2	1	.....	1	36	1
.....	.....	.....	.....	.....	.....	.....	.....	.....	3	.....	1	.....	.....	.....	1	.....	.....	.....	.....	4	.....
.....	.....	.....	.....	.....	.....	1	.....	.....	8	.....	5	.....	1	.....	1	6	1	1	.....	2	.....
.....	.....	.....	.....	.....	.....	4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	17	.....
.....
1	.....	.....	1	.....	.....	1	.....	.....	5	.....	3	.....	.....	1	.....	1	1	.....	.....	10	1
.....	.....	.....	.....	.....	.....	2	.....	.....	8	.....	6	.....	1	.....	1	2	2	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	5	.....
.....	1	.....	.....	.....	.....	3	2	.....	6	.....	2	.....	.....	1	.....	2	2	.....	.....	10	2
6	3	7	8	11	6	99	7	10	225	4	111	9	15	8	61	103	27	32	4	643	15
.....	.....	.....	.....	.....	.....	.....	.....	.....	13	.....	9	.....	.....	.....	1	2	1	.....	.....	32	2
.....	1	.....	.....	.....	.....	2	.....	1	1	.....	.....	.....	.....	.....	2	.....	.....	.....	.....	12	.....
.....	.....	.....	.....	.....	.....	1	.....	.....	5	.....	4	.....	.....	.....	3	1	.....	.....	1	12	.....
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	1	.....	.....	3	.....
.....	2	.....	.....	3	.....	3	1	.....	9	.....	7	1	.....	.....	1	4	1	2	1	28	.....
.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	2	.....	.....	5	.....	2	.....	.....	.....	5	2	2	.....	.....	25	1
1	.....	.....	.....	.....	1	1	.....	.....	1	.....	1	.....	.....	.....	1	2	.....	.....	.....	3	.....
3	6	5	6	9	3	65	3	15	122	1	68	11	5	1	1	2	.....	.....	1	27	2
9	5	16	23	26	5	182	6	23	450	13	175	27	31	28	74	111	17	21	27	1163	45
.....
5	.....	7	8	20	2	43	3	8	95	4	41	7	5	8	14	37	14	11	5	455	6
10	.....	4	5	2	1	24	1	4	107	2	55	5	8	2	8	19	3	5	3	434	9
.....	1	.....	.....	.....	.....	2	.....	.....	2	.....	1	.....	.....	.....	2	1	1	.....	.....	27	.....
.....	1	1	4	3	.....	23	6	4	39	1	12	3	3	3	24	15	1	6	1	111	2
.....	.....	1	2	.....	.....	2	.....	1	6	1	3	2	.....	.....	1	3	2	.....	.....	3	1
.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	9	1
.....	.....	.....	.....	.....	1	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....
.....	.....	1	.....	.....	.....	1	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....
.....	.....	.....	.....	.....	.....	1	.....	1	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	7	.....
.....	.....	.....	.....	.....	.....	2	.....	.....	2	.....	1	.....	.....	.....	1	2	.....	.....	.....	1	.....
1	1	2	3	4	1	23	2	5	82	3	42	3	5	2	7	13	5	3	1	201	7
3	1	4	4	7	2	32	1	10	140	1	87	1	5	3	16	18	4	4	3	338	8

DEPARTMENT OF HEALTH

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

	Bloomfield	East Orange	Irvington	Montclair	Newark	Nutley	Orange	South Orange	West Orange	Gloucester County	Woodbury
54. Nonmalignant tumors	2	4	3	.....	15	2	.....	.....	.....	3	1
55. Tumors of which the nature is not specified .....	.....	1	3	1	9	.....	1	.....	.....	.....	.....
56. Acute rheumatic fever	3	1	2	.....	1	.....	1	1	1	3	.....
57. Chronic rheumatism, osteoarthritis .....	.....	2	.....	.....	4	.....	.....	.....	.....	.....	.....
58. Gout .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
59. Diabetes mellitus	11	19	12	12	131	5	5	4	7	18	3
60. Scurvy .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
61. Beriberi .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
62. Pellagra .....	.....	1	.....	.....	1	.....	.....	.....	.....	1	.....
63. Rickets .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
64. Osteomalacia .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
65. Diseases of the pituitary body .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
66. Diseases of the thyroid and parathyroid glands	1	2	.....	3	10	1	2	.....	1	1	.....
67. Diseases of the thymus gland .....	.....	.....	1	.....	4	.....	.....	.....	.....	1	.....
68. Diseases of the adrenals .....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....
69. Other general diseases .....	.....	.....	.....	.....	3	.....	.....	.....	.....	1	.....
70. Hemorrhagic conditions .....	.....	.....	.....	.....	1	.....	1	.....	.....	1	.....
71. Anemias	1	.....	.....	.....	6	.....	2	.....	.....	1	.....
72. Leukemias and pseudoleukemias	1	4	5	1	17	.....	2	.....	1	3	.....
73. Diseases of the spleen .....	.....	.....	.....	1	1	.....	.....	1	1	1	.....
74. Other diseases of the blood and blood-making organs .....	.....	.....	.....	.....	2	.....	.....	.....	.....	.....	.....
75. Alcoholism .....	.....	1	1	.....	12	.....	1	.....	1	2	.....
76. Chronic poisoning by other organic substances .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
77. Chronic poisoning by mineral substances .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
78. Encephalitis .....	.....	.....	1	.....	6	.....	.....	.....	2	2	.....
79. Meningitis .....	.....	1	1	4	3	.....	.....	.....	.....	.....	.....
80. Progressive locomotor ataxia	1	.....	1	.....	2	.....	1	.....	.....	1	.....
81. Other diseases of the spinal cord .....	.....	.....	.....	.....	7	.....	1	.....	.....	.....	.....
82. Cerebral hemorrhage, cerebral embolism and thrombosis	32	72	33	33	347	13	25	18	15	70	10
83. General paralysis of the insane	2	1	2	1	18	.....	2	.....	1	1	.....
84. Dementia praecox and other psychoses .....	.....	.....	.....	.....	9	.....	.....	.....	2	.....	.....
85. Epilepsy .....	.....	.....	2	.....	7	.....	.....	.....	2	1	.....
86. Convulsions (under 5 years of age) .....	.....	.....	.....	1	2	.....	.....	.....	.....	.....	.....
87. Other diseases of the nervous system .....	.....	2	4	.....	15	3	1	2	.....	1	.....
88. Diseases of the organs of vision .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
89. Diseases of the ear and of the mastoid process	1	.....	5	.....	13	.....	2	.....	1	1	.....
90. Pericarditis .....	.....	1	1	.....	1	.....	.....	.....	.....	.....	.....
91. Acute endocarditis	1	.....	.....	1	17	1	1	1	.....	5	.....
92. Chronic endocarditis, valvular diseases	21	27	13	20	158	10	19	6	15	43	4
93. Diseases of the myocardium	47	127	81	64	577	21	55	22	36	119	16
94. Diseases of the coronary arteries and angina pectoris	21	55	23	24	222	4	26	14	20	28	6
95. Other diseases of the heart	11	26	16	17	309	4	13	5	7	19	5
96. Aneurysm	1	2	3	2	18	1	.....	.....	.....	.....	.....
97. Arterio sclerosis	6	9	6	2	64	4	7	2	2	12	.....
98. Gangrene .....	.....	.....	1	.....	1	.....	.....	.....	.....	.....	.....
99. Other diseases of the arteries .....	.....	1	.....	.....	9	1	.....	.....	.....	1	.....
100. Diseases of the veins .....	.....	1	1	.....	4	.....	.....	1	.....	.....	.....
101. Diseases of the lymphatic system .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
102. Idiopathic anomalies of the blood-pressure .....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....
103. Other diseases of the circulatory system	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
104. Diseases of the nasal fossae and annexae	1	.....	1	.....	2	.....	.....	.....	1	.....	.....
105. Diseases of the larynx .....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....
106. Bronchitis	2	6	2	2	14	2	5	.....	.....	1	3
107. Broncho pneumonia	6	13	12	6	119	3	11	1	5	22	1
108. Lobar pneumonia	14	30	14	11	192	5	21	5	9	15	2

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OF NEW JERSEY AND MUNICIPALITIES OF 5,000 OR MORE INHABITANTS IN 1930. (COUNTY WHICH FOLLOW: 1934—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
34	5	...	...	...	14	4	...	6	1	3	1	7	...	6	5	1	1	1	...	...	...
15	2	...	1	1	7	1	...	1	...	1	...	2	...	1	2	...	...	...	...	...	...
25	5	1	...	3	12	1	...	1	1	3	...	8	...	6	4	...	2	...	...	...	...
3	...	...	...	3	...	...	...	...	...	...	...	6	...	3	2	...	...	...	...	...	...
191	10	...	2	17	105	8	...	20	13	11	4	63	2	47	62	2	2	13	18	1	2
5	...	...	...	...	...	1	...	...	1	...	...	...	...	...	1	...	...	...	...	...	...
1	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
15	1	...	...	2	6	1	...	...	...	1	...	8	...	4	5	1	...	1	...	...	...
4	...	...	...	3	...	...	...	...	...	1	...	8	...	5	2	...	...	...	...	...	1
2	1	...	...	1	1	...	...	...	...	...	...	1	1	...	1	...	1	...	...	...	...
1	...	...	...	1	1	...	...	...	...	...	...	1	...	2	1	...	...	...	...	...	...
29	1	...	...	1	1	...	...	...	...	1	...	6	...	6	4	...	...	2	1	...	...
12	...	...	...	1	7	1	...	3	1	...	...	7	...	6	7	...	...	1	...	...	...
29	4	...	...	3	14	1	1	3	1	...	...	1	...	1	1	...	...	...	...	...	...
2	...	...	...	1	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...
17	1	...	...	4	10	1	...	...	...	...	...	3	...	2	3	...	...	...	2	...	1
...
1	...	...	...	1	3	...	...	2	...	...	...	1	...	1	10	2	...	...	2	1	...
21	4	...	...	4	8	1	...	3	...	...	...	7	...	5	2	...	...	1	1	...	...
6	...	...	1	4	...	...	...	...	...	1	...	1	1	...	2	...	1	...	...	...	...
18	3	1	1	1	5	2	...	2	1	2	...	11	...	8	3	...	...	2	...	...	...
468	52	5	3	42	231	19	6	47	19	45	6	171	9	107	152	3	8	28	29	3	6
32	2	...	2	3	17	3	...	2	1	1	...	5	...	4	4	...	1	...	1	...	1
11	2	...	1	1	5	1	...	...	...	...	...	...	...	...	4	...	...	...	1	...	...
6	2	...	...	1	1	1	...	...	...	...	1	5	2	3	1	...	...	1	...	...	...
12	2	...	...	...	...	...	...	...	...	1	...	1	...	...	2	...	...	...	1	...	...
24	4	...	...	4	10	1	...	3	1	1	...	4	...	3	4	...	...	...	3	...	1
...
21	4	...	...	4	12	...	...	1	...	...	...	2	...	1	3	...	1	...	1	...	...
3	...	...	...	3	...	...	...	...	...	...	...	...	...	...	1	...	...	1	...	...	...
28	4	...	1	2	12	1	...	4	2	1	...	9	1	6	7	...	...	1	2	...	1
235	35	...	10	30	99	12	...	18	12	34	6	68	3	45	69	1	2	5	14	3	6
1278	109	9	19	147	598	65	16	121	57	84	12	344	11	228	240	6	11	47	55	13	7
184	24	1	1	18	92	5	3	13	9	29	5	93	7	49	55	4	3	12	10	...	3
377	32	1	6	24	250	10	4	21	10	14	2	53	1	38	115	1	5	38	13	1	4
5	...	...	...	4	1	...	...	...	...	1	...	3	...	2	1	...	...	...	...	...	...
66	9	2	...	4	32	4	...	6	4	16	3	32	1	17	27	2	1	4	5	3	3
13	1	...	...	3	8	...	...	...	1	1	1	5	...	5	1	1	...	...	...	...	...
4	...	...	...	1	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1	...	...	...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9	2	...	...	3	2	...	1	1	...	...	...	...	...	...	1	...	...	...	1	...	...
2	...	...	1	...	1	...	...	...	...	...	...	...	...	...	2	...	...	...	1	...	1
2	1	...	...	...	...	1	...	...	...	...	...	1	...	1	...	...	...	...	...	...	...
20	5	...	2	1	8	2	...	2	...	...	...	12	...	9	7	1	...	...	1	...	...
216	20	2	6	26	117	3	5	10	11	13	...	52	...	37	39	...	1	8	10	1	...
287	32	2	4	28	125	15	5	35	22	9	3	75	3	52	78	6	1	21	9	1	3

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

	South River	Monmouth County	Asbury Park	Long Branch	Red Bank	Morris County	Madison	Madison	Morristown	Ocean County	Passaic County
54. Nonmalignant tumors		9	2	1	1	3	1				11
55. Tumors of which the nature is not specified		1		1		2			1		6
56. Acute rheumatic fever		4	1			2				2	5
57. Chronic rheumatism, osteoarthritis		3		1		1					7
58. Gout											
59. Diabetes mellitus		54	5	9	3	44	3	3	8	12	75
60. Scurvy											
61. Beriberi											
62. Pellagra											1
63. Rickets	1										
64. Osteomalacia											
65. Diseases of the pituitary body											
66. Diseases of the thyroid and parathyroid glands		3		1		6		1	1	2	9
67. Diseases of the thymus gland						1				3	2
68. Diseases of the adrenals											1
69. Other general diseases		3	1								
70. Hemorrhagic conditions						1					1
71. Anemias	1	5	1	2		2				2	10
72. Leukemias and pseudoleukemias	1	2		1		2					17
73. Diseases of the spleen											2
74. Other diseases of the blood and blood-making organs		1									2
75. Alcoholism		1								2	9
76. Chronic poisoning by other organic substances											
77. Chronic poisoning by mineral substances						2					
78. Encephalitis		5				1			1		1
79. Meningitis		1				1				2	5
80. Progressive locomotor ataxia						1					4
81. Other diseases of the spinal cord		4	2			2			1	2	7
82. Cerebral hemorrhage, cerebral embolism and thrombosis	7	178	24	23	12	110	8	7	23	51	225
83. General paralysis of the insane		8	3	1	1	5	1			2	13
84. Dementia praecox and other psychoses		1	1			3	1		1		5
85. Epilepsy		6		1		3			2	2	3
86. Convulsions (under 5 years of age)	1										1
87. Other diseases of the nervous system		10	1	2	2	3					6
88. Diseases of the organs of vision											
89. Diseases of the ear and of the mastoid process		4			1						9
90. Pericarditis		1									3
91. Acute endocarditis		2			1	4				1	13
92. Chronic endocarditis, valvular diseases	2	96	7	11	5	65	11	3	6	40	122
93. Diseases of the myocardium	9	276	23	24	27	228	21	16	33	51	361
94. Diseases of the coronary arteries and angina pectoris	3	93	9	7	6	78	5	6	13	21	99
95. Other diseases of the heart	2	121	18	14	6	32	1		10	18	135
96. Aneurysm						2	2				3
97. Arterio sclerosis		31	7	4	1	19	1	1	2	21	63
98. Gangrene		2			2						1
99. Other diseases of the arteries		3		1						1	3
100. Diseases of the veins											1
101. Diseases of the lymphatic system											1
102. Idiopathic anomalies of the blood-pressure		1		1							
103. Other diseases of the circulatory system		1	1								
104. Diseases of the nasal fossae and annexae											3
105. Diseases of the larynx		2									1
106. Bronchitis	1	5	1			1				3	10
107. Broncho pneumonia	1	42	5	3	3	28	2	2	3	8	84
108. Lobar pneumonia	5	66	4	6	9	57	5	6	7	8	96

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OF NEW JERSEY AND MUNICIPALITIES OF 5,000 OR MORE INHABITANTS IN 1930. (COUNTY
WHICH FOLLOW: 1934—Continued

[illegible]

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

	State Total	Atlantic County	Atlantic City	Hammon	Pleasantville	Bergen County	Bergenfield	Cliffside Park	Englewood	Fairview	Fort Lee	Garfield	Hackensack
109. Pneumonia, unspecified	114	2	1	...	...	8	...	1	...	...	...	1	2
110. Pleurisy	100	4	2	1	1	8	...	2	...	...	1	...	1
111. Congestion, edema, embolism, hemorrhagic infarct, and thrombosis of the lungs...	43	...	...	...	...	3	...	...	...	...	...	...	...
112. Asthma	59	4	4	...	...	6	...	1	...	...	...	...	...
113. Pulmonary emphysema	6	...	...	...	...	1	...	...	...	...	...	...	...
114. Other diseases of the respiratory system...	58	...	...	...	...	8	...	...	...	...	1	1	1
115. Diseases of the buccal cavity and annexa and of the pharynx and tonsils	170	3	2	...	...	11	1	2	1	...	...	...	...
116. Diseases of the esophagus	5	...	...	...	...	...	...	...	...	...	...	...	...
117. Ulcer of the stomach and duodenum	250	12	12	...	...	17	...	1	1	...	...	1	...
118. Other diseases of the stomach	66	3	2	1	...	3	...	...	...	...	...	1	...
119. Diarrhea and enteritis (under 2 years of age)	224	10	7	1	...	10	...	1	2	...	...	...	...
120. Diarrhea and enteritis (2 years and over)	113	8	6	...	1	5	...	...	...	...	...	1	...
121. Appendicitis	511	22	9	2	2	52	...	2	1	...	...	7	3
122. Hernia, intestinal obstruction	395	10	5	1	2	37	...	...	2	...	...	1	3
123. Other diseases of the intestines	66	3	1	1	1	6	...	1	...	...	1	...	...
124. Cirrhosis of the liver	378	12	6	...	...	36	2	3	3	1	1	2	1
125. Other diseases of the liver	48	2	...	...	1	6	...	...	...	...	...	1	...
126. Biliary calculi	172	6	4	...	...	18	1	3	...	...	1	1	...
127. Other diseases of the gall-bladder and biliary passages	88	4	2	...	...	10	...	...	...	...	...	1	1
128. Diseases of the pancreas	27	2	1	...	...	1	...	...	...	1	...	...	...
129. Peritonitis, cause not specified	23	...	...	...	...	2	1	...	...	...	...	...	...
130. Acute nephritis (including unspecified under 10 years of age)	151	12	6	1	...	10	...	...	1	...	...	1	...
131. Chronic nephritis	3182	130	63	7	18	249	8	4	10	6	8	9	18
132. Nephritis, unspecified (10 years and over)	166	11	5	...	2	8	...	1	...	...	1	1	1
133. Other diseases of the kidneys and ureters (puerperal diseases excepted)	97	9	4	...	3	8	...	1	...	...	...	...	...
134. Calculi of the urinary passages	39	...	...	...	...	4	...	...	...	...	...	...	1
135. Diseases of the bladder	24	1	1	...	...	1	...	...	...	...	...	...	1
136. Diseases of the urethra, urinary abscess, etc.	15	2	1	...	...	...	...	...	...	...	...	...	...
137. Diseases of the prostate	235	7	5	...	1	16	2	1	...	...	...	...	4
138. Diseases of the male genital organs, not specified as venereal	3	...	...	...	...	...	...	...	...	...	...	...	...
139. Diseases of the female genital organs, not specified as venereal	112	4	3	...	...	9	...	...	...	...	...	...	...
140. Abortion with septic conditions	61	1	...	...	...	2	...	...	...	...	...	...	...
141. Abortion without mention of septic con- ditions	10	...	...	...	...	...	...	...	...	...	...	...	...
142. Ectopic gestation	16	...	...	...	...	1	...	...	...	...	...	...	...
143. Other accidents of pregnancy	4	...	...	...	...	...	...	...	...	...	...	...	...
144. Puerperal hemorrhage	37	1	...	...	...	2	...	1	...	...	...	...	...
145. Puerperal septicemia	54	4	3	...	...	3	1	...	...	...	...	...	...
146. Puerperal albuminuria and eclampsia	36	1	1	...	...	1	...	...	...	...	...	1	...
147. Other toxemias of pregnancy	13	2	1	...	...	...	...	...	...	...	...	...	...
148. Puerperal phlegmasia alba dolens, embolus, sudden death	20	1	...	...	1	2	...	...	...	...	...	1	...
149. Other accidents of childbirth	43	1	1	...	...	1	...	...	...	...	...	...	...
150. Other and unspecified conditions of the puerperal state .....	...	...	...	...	...	...	...	...	...	...	...	...	...
151. Furuncle, carbuncle	11	...	...	...	...	1	...	...	...	...	...	...	...
152. Phlegmon, acute abscess	32	...	...	...	...	2	...	1	...	...	...	...	...
153. Other diseases of the skin and annexa, and of the cellular tissue	22	...	...	...	...	1	...	...	...	...	...	...	...
154. Osteomyelitis	41	1	1	...	...	2	1	1	...	...	...	...	...
155. Other diseases of the bones (tuberculosis excepted)	14	...	...	...	...	1	...	...	1	...	...	...	...
156. Diseases of the joints and other organs of locomotion	11	...	...	...	...	3	...	...	...	...	...	1	...
157. Congenital malformations	223	15	5	1	1	25	1	2	1	1	1	3	3

BUREAU OF VITAL STATISTICS

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OF NEW JERSEY AND MUNICIPALITIES OF 5,000 OR MORE INHABITANTS IN 1930. (COUNTY WHICH FOLLOW: 1934—Continued

Lodi	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	Milville	Vineland	Essex County	Belleville
1						1			15		7				1	3			1	30	
						6	1		9		6	1	1			4	1	2		13	1
						1			5		1		1	2	1					8	
1				1		1			1							1		1		14	
	1				1	1			3	1	1					3	1	1		15	1
						6			15		5	2	1	1	1	4	2		1	36	2
				2		6		1	16		9			2	3	6		3		47	2
						6			3			1			1	1	1		4		
						6	1	1	13		7	1			2	8	2	2		42	1
						3	1		5		1	1	1			2			1	20	2
2	2	2	4	4		3			24		15		1		7	4	2	1		136	4
2		1	2	1	2	11		1	23		12	1	3	1	3	9	2	4		79	1
									3		2				1					10	1
1					3	5			21		9	1	2	1	2	5	3	1		88	2
				1					4		1	2				1				13	
		1			1	4			14		3	1		4		1	1			49	
	1					3		1	6		2		1		2	1				12	1
						1		1	1		2				1	1	1			6	
				1				1	2							1				7	
						1	4		22		14			3	3	5		1	1	19	
4	5	8	16	21	4	114	4	7	304	10	136	18	20	6	27	82	22	14	12	656	21
			1			5			21	2	9	3			1	3		1		30	1
		1	1	1		1			11		4	1	2		1					17	
									1						2					11	
									2			1			1	1				2	
	1	1				7		1	9		5		1	1	1	5	3		1	5	
						1														2	
			1	1		2	1		10		5	1	1	1	5	1	1			20	
						2			7		1		1		1	2		1		10	
						1			3		1									1	
									1		1					1				1	
						1			1		1								1	1	
1						2			3		2				1	4		1	2	9	1
						2			2		1					3	1			2	
															1	1				3	
1						1		1	1		1					1				3	
1						2			2		1					3	1			8	
									2		2									2	
						2			2		1									8	
																				8	
																1			1	11	
						1															
1						1										1	1			2	
2		1				10	1	4	21		13	2	1		3	9	3	1		54	1

DEPARTMENT OF HEALTH

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
109. Pneumonia, unspecified .....	...	1	1	1	21	...	4	...	...	3	...
110. Pleurisy	2	...	...	...	8	1	...	1	...	2	...
111. Congestion, edema, embolism, hemorrhagic infarct, and thrombosis of the lungs...	...	...	...	1	4	1	...	...	...	...	...
112. Asthma	1	...	1	...	7	...	2	...	1	1	...
113. Pulmonary emphysema .....	...	...	...	...	...	...	...	...	...	...	...
114. Other diseases of the respiratory system...	...	1	...	1	10	...	...	...	...	3	...
115. Diseases of the buccal cavity and annexa and of the pharynx and tonsils.....	5	2	2	2	20	...	...	1	1	4	1
116. Diseases of the esophagus .....	...	...	...	...	2	...	...	...	...	...	...
117. Ulcer of the stomach and duodenum.....	1	5	3	1	26	2	1	...	1	7	3
118. Other diseases of the stomach	1	1	...	...	2	...	...	...	...	2	...
119. Diarrhea and enteritis (under 2 years of age)	1	1	...	...	32	2	2	...	...	4	2
120. Diarrhea and enteritis (2 years and over) .....	...	1	1	2	13	...	...	...	...	3	...
121. Appendicitis	5	9	7	8	86	2	4	...	3	8	...
122. Hernia, intestinal obstruction	6	7	4	3	44	3	4	1	1	4	...
123. Other diseases of the intestines	1	...	...	...	6	...	1	...	...	2	...
124. Cirrhosis of the liver	5	8	11	4	44	...	6	1	4	8	...
125. Other diseases of the liver .....	...	1	1	1	8	...	2	...	...	2	...
126. Biliary calculi	2	5	6	1	27	...	1	...	2	1	...
127. Other diseases of the gall-bladder and bill- ary passages	2	3	...	...	5	...	...	...	...	4	1
128. Diseases of the pancreas .....	...	...	...	1	4	...	...	1	...	1	...
129. Peritonitis, cause not specified .....	...	3	...	...	3	1	...	...	...	1	1
130. Acute nephritis (including unspecified under 10 years of age) .....	...	...	...	...	14	1	1	...	...	3	...
131. Chronic nephritis	38	52	57	42	337	16	22	7	11	103	20
132. Nephritis, unspecified (10 years and over)	1	2	...	1	18	1	3	...	...	5	1
133. Other diseases of the kidneys and ureters (puerperal diseases excepted)	1	1	2	...	11	...	...	...	1	2	1
134. Calculi of the urinary passages	1	...	...	2	7	...	...	1	...	1	...
135. Diseases of the bladder .....	...	...	...	...	2	...	...	...	...	3	...
136. Diseases of the urethra, urinary abscess, etc. ....	...	...	...	1	4	...	...	...	...	...	...
137. Diseases of the prostate	1	3	...	2	22	1	1	1	1	2	2
138. Diseases of the male genital organs, not specified as venereal .....	...	...	...	...	2	...	...	...	...	...	...
139. Diseases of the female genital organs, not specified as venereal .....	...	2	1	1	12	1	2	...	...	...	...
140. Abortion with septic conditions .....	...	1	1	...	7	...	1	...	...	1	1
141. Abortion without mention of septic con- ditions .....	...	...	...	...	1	...	...	...	...	...	...
142. Ectopic gestation	1	...	...	...	...	...	...	...	...	...	...
143. Other accidents of pregnancy.....	...	...	...	...	1	...	...	...	...	...	...
144. Puerperal hemorrhage .....	...	...	...	...	6	1	...	...	...	1	...
145. Puerperal septicemia .....	...	...	...	...	5	1	...	...	...	2	...
146. Puerperal albuminuria and eclampsia .....	...	...	...	...	2	...	...	...	...	1	...
147. Other toxemias of pregnancy .....	...	...	...	...	2	...	...	...	...	...	...
148. Puerperal phlegmasia alba dolens, embolus, sudden death	1	...	1	...	...	...	1	...	...	1	...
149. Other accidents of childbirth .....	...	...	...	2	4	...	...	...	...	2	1
150. Other and unspecified conditions of the puerperal state .....	...	...	...	...	...	...	...	...	...	...	...
151. Furuncle, carbuncle .....	...	1	...	...	1	...	...	...	...	...	...
152. Phlegmon, acute abscess .....	...	...	1	...	6	...	1	...	...	...	...
153. Other diseases of the skin and annexa, and of the cellular tissue .....	...	...	...	1	3	...	3	1	...	...	...
154. Osteomyelitis	1	...	...	...	8	...	1	...	1	1	1
155. Other diseases of the bones (tuberculosis excepted) .....	...	...	...	...	...	...	...	...	...	...	...
156. Diseases of the joints and other organs of locomotion	1	1
157. Congenital malformations	2	6	3	2	28	1	2	2	1	12	3

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OF NEW JERSEY AND MUNICIPALITIES OF 5,000 OR MORE INHABITANTS IN 1930. (COUNTY)
WHICH FOLLOW: 1934—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
7	...	...	...	1	5	1	...	...	...	...	...	2	...	...	6	...	...	...	2	...	...
21	4	...	1	4	7	...	1	2	...	1	...	6	...	6	1	1	...	...	...	...	...
9	...	...	...	1	6	1	...	...	...	3	1	1	...	1	3	...	...	...	2	...	...
9	...	...	...	1	5	...	...	1	2	1	1	1	...	1	1	...	...	...	...	...	...
2	1	...	...	...	1	...	...	1	...	...	...	...	...	...	2	...	...	...	1	...	...
10	3	...	...	2	3	...	...	...	...	...	...	3	...	3	3	...	...	...	...	...	...
26	2	...	...	2	13	2	...	3	2	2	...	4	1	2	7	...	...	...	2	2	...
1	...	...	...	2	1	...	...	...	...	...	...	10	1	4	10	2	...	3	1	...	1
44	7	1	...	3	21	3	...	4	1	...	...	3	...	3	3	1	1	...	...	...	...
7	...	...	...	...	5	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...
56	2	...	...	4	43	...	...	2	1	4	...	13	...	7	6	...	...	1	1	...	...
24	1	...	2	2	17	...	...	1	...	2	...	2	...	1	6	1	...	1	1	...	...
73	9	1	1	4	32	9	...	2	7	3	...	8	...	3	24	1	3	5	4	1	2
63	2	...	1	6	35	2	1	4	4	4	...	20	...	14	18	2	1	1	5	1	...
16	1	...	...	2	11	...	...	1	...	...	...	2	...	2	2	...	...	...	...	...	...
83	8	...	4	7	41	3	2	10	3	4	...	17	...	13	17	1	2	3	2	1	1
4	...	...	...	...	3	...	...	1	...	...	...	...	...	2	1	...	...	1	...	...	...
28	2	...	...	2	15	3	...	3	...	2	...	4	1	2	6	...	...	...	1	...	...
13	1	...	...	1	5	1	...	1	1	...	...	4	...	1	3	...	...	1	...	...	...
1	...	...	...	...	...	...	...	...	...	...	...	5	2	2	...	...	...	...	...	...	...
4	2	...	...	1	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	...	...
17	1	...	...	2	7	...	...	4	...	5	...	13	...	9	11	...	...	1	4	...	...
381	39	10	10	24	171	27	4	36	19	26	7	145	1	100	125	7	3	14	36	4	3
28	3	...	1	3	13	...	...	3	1	4	1	5	...	2	6	...	...	1	3	...	1
13	2	1	...	2	5	...	...	2	...	...	...	1	...	1	4	...	...	1	2	...	...
7	1	...	...	4	4	1	...	...	...	...	...	1	...	1	2	...	...	1	...	...	...
7	...	...	...	1	4	...	...	2	...	...	...	1	...	1	...	...	...	...	...	...	...
2	...	...	...	...	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...
38	5	...	...	1	20	1	2	5	1	5	2	16	1	9	10	1	...	2	1	...	...
...
26	2	1	...	3	14	1	...	...	4	3	...	5	1	3	4	...	...	1	...	...	...
8	...	...	...	...	5	...	...	1	...	2	...	6	...	4	2	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	1	...	...	...	...	...	...
6	2	...	...	1	1	...	...	...	1	...	...	...	...	...	1	...	...	...	1	...	...
1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9	2	...	1	2	3	1	...	...	...	...	...	1	...	...	3	1	...	...	...	...	...
10	4	...	2	1	3	...	...	...	1	...	...	4	...	3	1	...	...	1	...	...	...
5	...	...	...	...	3	2	...	...	...	...	...	4	1	1	2	...	...	1	...	...	...
2	...	...	...	...	1	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...
4	...	...	...	2	...	...	...	2	...	...	...	1	...	1	1	...	...	...	...	...	...
4	1	...	...	1	1	...	...	1	...	1	...	5	...	4	3	1	...	...	...	...	...
...
3	...	...	...	...	1	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
8	1	...	...	...	6	...	...	1	...	...	...	...	...	...	1	...	...	...	...	...	...
5	...	...	...	...	4	...	...	1	...	...	...	1	...	1	1	...	...	...	1	...	...
7	1	...	...	...	5	...	...	1	...	...	...	1	...	1	4	...	...	...	2	...	...
4	1	...	...	...	2	...	...	...	1	...	...	2	...	1	3	1	...	1	...	...	...
...
48	5	...	1	5	23	2	2	3	3	2	1	24	...	10	15	1	1	4	5	...	...

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

	South River	Monmouth County	Asbury Park	Long Branch	Red Bank	Morris County	Dover	Madison	Morristown	Ocean County	Passaic County
109. Pneumonia, unspecified		3			1	3				4	6
110. Pleurisy		3		1		2			1	1	8
111. Congestion, edema, embolism, hemorrhagic infarct, and thrombosis of the lungs...		2	1			1			1		1
112. Asthma	1	2				1					4
113. Pulmonary emphysema		3	1			1				1	2
114. Other diseases of the respiratory system...											
115. Diseases of the buccal cavity and annexa and of the pharynx and tonsils	1	4	2			7			2	3	14
116. Diseases of the esophagus								2			1
117. Ulcer of the stomach and duodenum		8	1	1	1	5		2		1	23
118. Other diseases of the stomach	1	10	2		1	1		1		1	7
119. Diarrhea and enteritis (under 2 years of age)	1	4	1	1	1	2				3	11
120. Diarrhea and enteritis (2 years and over)		6	1	1							1
121. Appendicitis		21	1	4	2	23	2	7	4	8	39
122. Hernia, intestinal obstruction		13		1	1	13		1	3	8	33
123. Other diseases of the intestines	1	1				4		1			5
124. Cirrhosis of the liver	1	16		2	2	8	1		2	5	17
125. Other diseases of the liver		2				2	1		1		2
126. Biliary calculi		5				4			3	4	9
127. Other diseases of the gall-bladder and bili- ary passages		1				4	1			1	9
128. Diseases of the pancreas		1				1					2
129. Peritonitis, cause not specified											3
130. Acute nephritis (including unspecified under 10 years of age)	1	6		1		2	1				9
131. Chronic nephritis	3	166	11	32	12	109	13	10	13	40	193
132. Nephritis, unspecified (10 years and over)		7	2	1		3				2	9
133. Other diseases of the kidneys and ureters (puerperal diseases excepted)		5	2		1	4	1		1	1	9
134. Calculi of the urinary passages		3	1			1				1	2
135. Diseases of the bladder		1		1		1					2
136. Diseases of the urethra, urinary abscess, etc.		2	1								
137. Diseases of the prostate		17	1	2		13		1	2	2	20
138. Diseases of the male genital organs, not specified as venereal											
139. Diseases of the female genital organs, not specified as venereal		6		2		1			1		5
140. Abortion with septic conditions		4			2	1					2
141. Abortion without mention of septic con- ditions						1					2
142. Ectopic gestation		2				1					
143. Other accidents of pregnancy											
144. Puerperal hemorrhage		1								1	5
145. Puerperal septicemia		3	1			2	1				4
146. Puerperal albuminuria and eclampsia		1				1		1			6
147. Other toxemias of pregnancy											4
148. Puerperal phlegmasia alba dolens, embolus, sudden death		2		1							
149. Other accidents of childbirth	1	2									6
150. Other and unspecified conditions of the puerperal state											
151. Furuncle, carbuncle		1		1		1					1
152. Phlegmon, acute abscess		3	1								1
153. Other diseases of the skin and annexa, and of the cellular tissue		1							1		1
154. Osteomyelitis		2				2			1		5
155. Other diseases of the bones (tuberculosis excepted)		1	1								2
156. Diseases of the joints and other organs of locomotion		1									1
157. Congenital malformations		14	2	2		8	2		1	3	24

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OF NEW JERSEY AND MUNICIPALITIES OF 5,000 OR MORE INHABITANTS IN 1930. (COUNTY WHICH FOLLOW: 1934—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
2			5	3	1	2				1	11	4	1	1	1					3	
						1					9	3		3		1			1		
3	1		1	3		1	1			1	3	3									
						1			1		6	1	1	1	1	1					
		1	1								3			1	1	1					
1	2	3	3	1		1			1		18	8	2		2	1	2		3	3	2
		1	1								1		1								
4		4	9	2	1	3		1			23	12		1	1	1		2		7	1
1		2	3	3	1						5	3		1						3	
1	1	2	7	8	2	1				2	11	4		1	1	2				8	2
1		1	8	2						4	8	4		2				1		1	
9	3	7	18	7	3	10	1	4	1	2	25	11	1	5				3	2	10	6
4		8	16	6	3	5		2		6	22	8	2	3	1		1	1	1	8	6
						2		1		2	5		1	1						2	
1		8	7			2	1		1	2	26	16	4	3		1			1	4	2
	1									1	3			1	1			1		2	
4		1	3			2				1	12	2	2	4		1			2		
1		1	6			2			1	2	4	2	1			1				3	2
		1	1								2	1									
		1	1								1	1									
2		2	4	2	1	1		1		1	5	2			1					1	1
28	9	34	44	17	47	7	7	12	29	169	58	6	23	12	3	7	15	11	53	19	
			97	4	1					10	3		1					2	3		
1		1	6			2			1	1	8	3				1	1				
1											3				1						
		2									2				1						
2		5	10	2		6	1	1	1	1	2	2									
										3	16	9		4					2	5	2
		2		2	1						7	3		1	2					2	1
											7	5	1						1		1
1						1			1		1	1									
				1	1																
			2			2			1		3	1									
		1	3			1		1			3	1								1	
3		1				1				1	3	1			1				1		
			3			1															
2		1	3								1	1			1					1	
											3	1							1		
			1			2		1			3	1									
		2	2	1						1	2	1		1							
1		1																			
		1																			
2	1		14	1	2			1	1	4	18	4	1	6		2	1			1	1

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OF NEW JERSEY AND MUNICIPALITIES OF 5,000 OR MORE INHABITANTS IN 1930. (COUNTY WHICH FOLLOW: 1934—Continued

[illegible][illegible]

DEPARTMENT OF HEALTH

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

	Bloomfield	East Orange	Irvington	Montclair	Newark	Nutley	Orange	South Orange	West Orange	Gloucester County	Woodbury
158. Congenital debility		1			6						
159. Premature birth	5	11	7	4	125	3	7	1	7	16	2
160. Injury at birth	3	4	3	1	24	1	3			5	1
161. Other diseases peculiar to early infancy ..	2	1	1	1	17	1	2		1	1	
162. Senility	1	1			15		1	1		6	
163. Suicide by solid or liquid poisons or by absorption of corrosive substances	1		1	1	12	2		1		1	1
164. Suicide by poisonous gas	2	6	3	1	24	1	3		1	4	2
165. Suicide by hanging or strangulation		3			18	1	2	1		1	
166. Suicide by drowning					3					1	1
167. Suicide by firearms	2	2	2		9	1				5	
168. Suicide by cutting or piercing instruments ..					4					1	
169. Suicide by jumping from high places					8					1	
170. Suicide by crushing					1						
171. Suicide by other means					1						
172. Infanticide											
173. Homicide by firearms	2				9		1				
174. Homicide by cutting or piercing instruments ..					7		1			3	
175. Homicide by other means			2		9					2	
176. Attack by venomous animals											
177. Poisoning by food											
178. Accidental absorption of poisonous gas	3			1	11	1	2		1	1	
179. Other acute accidental poisonings (gas excepted) ..	1		1		8						
180. Conflagration					6	1	2			3	2
181. Accidental burns (conflagration excepted) ..		4	1		15		1			3	
182. Accidental mechanical suffocation			1		8						
183. Accidental drowning	1	1	1	1	20	1				1	
184. Accidental traumatism by firearms			1		1					1	1
185. Accidental traumatism by cutting or piercing instruments ..					1						
186a Accidental traumatism by fall	10	11	6	6	104	4	8	1	4	14	3
186b Accidental traumatism by crushing, landslide	8	12	12	14	109	3	14	5	5	38	4
187. Cataclysm											
188. Injuries by animals											
189. Hunger and thirst											
190. Excessive cold					1					2	
191. Excessive heat										2	
192. Lightning											
193. Accidents due to electric currents										2	1
194. Other accidents		2		1	5	1	1			3	
195. Violent deaths of which the nature is unknown ..		2			5		1		1		
196. Wounds of war											
197. Execution of civilians by belligerent armies ..											
198. Legal executions					1						
199. Sudden death											
200. Cause of death not specified or ill-defined ..					4					1	
Total	364	726	501	407	4817	187	405	137	217	860	126

Supplemental Tabulation of Certain Types of
Violent and Accidental Deaths, 1934

	Bloomfield	East Orange	Irvington	Montclair	Newark	Nutley	Orange	South Orange	West Orange	Gloucester County	Woodbury
201. Accidents in mines and quarries											
202. Accidents from agricultural machinery											
203. Elevator accidents					3						
204. Accidents from machinery used for recreation ..											
205. Other machinery accidents					2					1	
206. Railroad and automobile collisions		1	1							2	1
207. Other railroad accidents	1	1			6	1	3	1		2	1
208. Street car and automobile collisions											
209. Other street car accidents		1			4						
210. Automobile accidents (primary)	7	8	11	14	95	2	11	4	5	34	3
211. Motorcycle accidents					1						
212. Other land transportation accidents		1			1						
213. Water transportation accidents	1	1			4					1	1
214. Air transportation accidents		1			3						

BUREAU OF VITAL STATISTICS

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OF NEW JERSEY AND MUNICIPALITIES OF 5,000 OR MORE INHABITANTS IN 1930. (COUNTY WHICH FOLLOW: 1934—Continued

[illegible][illegible]

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

	South River	Monmouth County	Asbury Park	Long Branch	Red Bank	Morris County	Dover	Madison	Morristown	Ocean County	Passaic County
158. Congenital debility	7	1				4		1		1	8
159. Premature birth	30	6	3	3	15	5		1		11	44
160. Injury at birth	6	1		2	5				2	2	18
161. Other diseases peculiar to early infancy	4	1			4				1		14
162. Senility	12	1			3				2	3	17
163. Suicide by solid or liquid poisons or by absorption of corrosive substances	3		1		2						7
164. Suicide by poisonous gas	19			4	4			1	2	1	19
165. Suicide by hanging or strangulation	3		1		3					1	11
166. Suicide by drowning	1		1		1						4
167. Suicide by firearms	13	2		1	3		1		1	7	11
168. Suicide by cutting or piercing instruments	3			1	1				1	1	3
169. Suicide by jumping from high places					1						2
170. Suicide by crushing					1						
171. Suicide by other means					1				1		1
172. Infanticide					1						
173. Homicide by firearms	8	2		1	1					1	5
174. Homicide by cutting or piercing instruments	1		1								3
175. Homicide by other means											6
176. Attack by venomous animals											1
177. Poisoning by food	3		1	1	7	1			1	1	8
178. Accidental absorption of poisonous gas											5
179. Other acute accidental poisonings (gas excepted)	4	1		1	4					2	3
180. Conflagration	8	3	1		5	1	1			3	11
181. Accidental burns (conflagration excepted)	3										
182. Accidental mechanical suffocation	1	19	1	1	2	4		1	1	6	20
183. Accidental drowning	2	1								1	2
184. Accidental traumatism by firearms	2										
185. Accidental traumatism by cutting or piercing instruments	2			1							
186a. Accidental traumatism by fall	2	31	3	2	3	26	2	1	6	6	38
186b. Accidental traumatism by crushing, landslide	6	59	4	4	2	43	8	1	2	17	73
187. Cataclysm											
188. Injuries by animals											1
189. Hunger and thirst	2				1	1			1	2	
190. Excessive cold	1										
191. Excessive heat											
192. Lightning	3		1		1						1
193. Accidents due to electric currents	5	1			8	1				1	2
194. Other accidents											
195. Violent deaths of which the nature is unknown						1			1		1
196. Wounds of war											
197. Execution of civilians by belligerent armies											
198. Legal executions											
199. Sudden death											
200. Cause of death not specified or ill-defined					1				1		
Total	63	2032	222	230	154	1835	122	96	207	501	2935
Supplemental Tabulation of Certain Types of Violent and Accidental Deaths, 1934											
201. Accidents in mines and quarries						2					
202. Accidents from agricultural machinery		1									
203. Elevator accidents											
204. Accidents from machinery used for recreation											
205. Other machinery accidents						1					1
206. Railroad and automobile collisions		4	1		1	1				1	2
207. Other railroad accidents		3	1		1	2	2				13
208. Street car and automobile collisions											
209. Other street car accidents											
210. Automobile accidents (primary)	6	54	2	4	2	39	6	1	3	12	57
211. Motorcycle accidents										3	
212. Other land transportation accidents		1				1					1
213. Water transportation accidents		12	3		1					5	5
214. Air transportation accidents											

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OF NEW JERSEY AND MUNICIPALITIES OF 5,000 OR MORE INHABITANTS IN 1930. (COUNTY WHICH FOLLOW: 1934—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
1 10 5 2	1	1 13 2	2 14 2	1 12 1	2 11 1	15 6 2	1 2	1	2 1 2	1 4 2	4 24 17	20 6 5	3 5 5	9 4	1 3 2	2 1 3	1	1 1 1	1 1 1	4 1 1	13 2 1
...	...	3 5	3 5 3	2 1 2	1 1 1	2 2 2	2	...	2	2	10	4	5	...	1	2	3	...	1	2	1
2 1 2	...	3 4	2 13 7	2 2 7	1 1 1	1 2 3	1 2	...	1	1	8 15 8	4 5 3	1 1 1	1 1 1	1 1 1	1	1	1 2 2	1 2 2	1 5 1	
1	1	1 1 1	2 8 6	7 1 1	1 1 1	3 2 1	3	1	1 1 1	4	7 2 3	2 2 2	2 2 2	1	...	...	...	1 1 1	1 1 1	1
...	...	...	1 1 2	...	...	1 1 2	1	...	...	1	...	...	...	...	...	...	...	...	...	...
...	...	...	1 2	...	...	1 3	1	...	...	2	5	5	...	...	...	...	...	...	...	...
...	...	...	1 1	2 3	1 2	1 3	1	...	...	1	2	1	...	...	...	...	...	1	...	1
2	...	3 3	1 3	1 3	1 1	4	...	1	...	1	15	11	2	1	1	...	...	...	1	...
3	...	...	1 2 8	1 7	1 2 1	...	1	...	...	...	3 4 12	1 5 5	...	...	...	...	...	...	2	1 3 3
1 1	...	8 1	9 1	2 5	1 1	4 1	1	...	...	1	11	3	1	1	1	1	1	1	...	2 1
8	1	6	20	5	...	9	1	1	1	9	45	20	1	6	3	1	3	4	2	9	
11	4	15	31	13	3	24	3	7	1	13	91	31	9	11	6	4	2	1	2	12	
...	...	...	1	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	2	...	...	...	...	1	1	...	...	...	...	...	...	...	1
...	...	...	1 1	1 4	1	1	...	...	...	...	11	5	1	1	...	1	1	...	4	1 1
...	...	1	...	...	...	1	...	...	...	...	8	4	1	...	...	1	...	...	...	...
...	...	...	1	...	...	1	...	...	...	...	2	3	1	...	...	1	...	1	...	1
380	105	548	1487	488	129	669	66	110	98	376	2926	1138	182	412	156	117	80	147	138	646	201

2	1	1	5	1	1	2	1	8	5	1	1	1	4	3	1
9	2	14	25	11	3	22	2	2	7	1	11	82	27	8	10
		1	2	2	1	1	1	5	1	1	2	1	1	1	1

DEPARTMENT OF HEALTH

TABLE 21.—DEATHS BY OCCUPATIONS

		AGRICULTURE, FORESTRY AND ANIMAL HUSBANDRY					EXTRACTION OF MINERALS				
		Farmers	Farm laborers	Fishermen and oystermen	Gardeners, florists, fruit growers and nurserymen	Other agricultural and animal husbandry pursuits	Foramen, overseers and inspectors	Miners	Quarry operatives		
Tuberculosis of the respiratory system	10 to 19	1	1								
	20 to 29	12	2								
	30 to 39	1		1					1		
	40 to 49	1		2				1	1		
	50 to 59	1	2		3						
	60 to 69	1	2		3						
	70 to 79	2			1	2		1			
	80 and over	2						1			
Totals		18	7	3	7	2		3	3		
Cancer and other malignant tumors	10 to 19										
	20 to 29										
	30 to 39	1	1								
	40 to 49	4	4	2	4						
	50 to 59	9	4	2	9	1			1		
	60 to 69	29	4	2	10	1					
	70 to 79	31	4	2	6			1	1		
	80 and over	13	1		2						
Totals		87	16	11	32	2		1	2		
Diseases of the nervous system and of the organs of special sense	10 to 19										
	20 to 29										
	30 to 39	3	1								
	40 to 49	7									
	50 to 59	11	1		2	1					
	60 to 69	29	5	2	5				1		
	70 to 79	54	3	2	6						
	80 and over	27	2	2	2						
Totals		131	12	7	15	1			1		
Diseases of the circulatory system	10 to 19										
	20 to 29										
	30 to 39	1	2	1		1					
	40 to 49	13	5	1	1			1			
	50 to 59	27	11	3	6	1		2			
	60 to 69	76	9	5	16	1	1	3			
	70 to 79	113	17	12	29	1		2	1		
	80 and over	95	10	6	9	3		1	1		
Totals		325	54	18	61	7	1	9	2		

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MANUFACTURING AND MECHANICAL INDUSTRIES																						
Bakers	2	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Blacksmiths, forgemen and hammermen	2	5	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Boilermakers	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Brick and stone masons	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Builders and building contractors	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Carpenters, coopers and cabinet makers	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Compositors, linotypers and typesetters	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Dressmakers and seamstresses (not in factory)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Dyers	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Electricians and electrical engineers	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Engineers (stationary)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Engravers	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Files, grinders, buffers and polishers (metal)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Firemen (except locomotive and fire department)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Glassblowers	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Jewelers, watchmakers, goldsmiths and silversmiths	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Laborers—	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
General and not specified	2	35	52	57	37	22	3	208	1	4	29	72	56	27	5	195	1	2	12	46	39	103
Building and hand trades	1	1	1	1	1	1	1	3	1	2	2	1	1	1	1	7	1	1	1	1	1	6
Chemical industries	1	1	1	1	1	1	1	4	1	5	1	1	1	1	1	8	1	1	1	1	1	3
Clay and stone industries (excepting potteries)	1	1	1	1	1	1	1	5	1	1	1	1	1	1	1	2	1	1	1	1	1	1

DEPARTMENT OF HEALTH

TABLE 21.—DEATHS BY OCCUPATIONS AND

		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						2		3	1		1
	20 to 29										6	2		5
	30 to 39	1	1					1	2		1			3
	40 to 49		4	1		1	1	1	4		1			1
	50 to 59		1					1	2		6	4	2	2
	60 to 69		4								2	1		2
	70 to 79										1	1		
	80 and over													
	Totals	1	11	1		1	1	2	10		18	9	2	12
Cancer and other malignant tumors	10 to 19										2			
	20 to 29										1			
	30 to 39		1						1		1	1		
	40 to 49		3					3	1		15	7		1
	50 to 59		4	1					3		20	10	2	3
	60 to 69		5				2	1	1		17	4	9	4
	70 to 79		2					1	1		17	8	9	1
	80 and over							1			4		3	2
	Totals		15	1			3	6	7		76	30	24	11
Diseases of the nervous system and of the organs of special sense	10 to 19													
	20 to 29		1								2			1
	30 to 39										4			4
	40 to 49		2			1			4		4	3		
	50 to 59		4				1		2		13	7	1	3
	60 to 69	1	4		1			1	2		17	6	8	2
	70 to 79		4								17	6	9	1
	80 and over		1			1	1		1		11	6	9	1
	Totals	1	14		1	2	2	1	10		52	22	21	14
Diseases of the circulatory system	10 to 19													
	20 to 29		2			1					2	2		5
	30 to 39		1						2		7	3	2	7
	40 to 49	1	6						5		16	14	4	6
	50 to 59		9			1		1	8		28	17	16	11
	60 to 69	1	5	2				4	7		38	27	21	5
	70 to 79	1	7		2	1	2	1	5		39	18	22	12
	80 and over		1	1					1		10	4	10	5
	Totals	4	31	3	2	3	2	6	28		140	85	75	51

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DEPARTMENT OF HEALTH

TABLE 21.—DEATHS BY OCCUPATIONS AND

	Potters	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
Tuberculosis of the respiratory system										
10 to 19			12	3						2
20 to 29			11	4						
30 to 39		1	6	4						
40 to 49	2		6	6	2	1	6			
50 to 59	4	2	5	3			2	12		4
60 to 69	2	1	1	5	1	1	1	1		1
70 to 79	1						1			
80 and over										
Totals	9	4	32	32	3	2	10	3		7
Cancer and other malignant tumors										
10 to 19				1						
20 to 29			1	2						1
30 to 39				7	1					4
40 to 49	1		4	9	3		3	2		2
50 to 59	4		14	9	5		6	1	1	4
60 to 69		1	21	9	2	2	5	2		2
70 to 79			15	7	2	2	3		1	1
80 and over			1							1
Totals	5	2	56	35	13	4	17	5	2	11
Diseases of the nervous system and of the organs of special sense										
10 to 19				2						
20 to 29			1	1						1
30 to 39				2			2			
40 to 49	2		3	4	4					2
50 to 59		2	7	4	2	1	6	2		2
60 to 69	6		17	3	2	2	7		1	4
70 to 79	1		5	15	6	1	4	1	1	1
80 and over			3	1	3				2	
Totals	9	2	36	28	17	4	19	3	4	8
Diseases of the circulatory system										
10 to 19				2						
20 to 29		1		6			1		1	
30 to 39	1		4	6	1		3			
40 to 49	2	2	12	9	4		6	4		3
50 to 59	2	3	16	20	11	2	14	1	1	7
60 to 69	5	7	28	21	11	2	15	9	2	12
70 to 79	1	8	31	15	13	4	10	7	4	7
80 and over	2	1	6	7	7	2	3	3		2
Totals	13	23	95	86	47	10	52	24	8	31

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AGE GROUPS, NEW JERSEY, 1934—Continued

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DEPARTMENT OF HEALTH

TABLE 21.—DEATHS BY OCCUPATIONS AND

		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	6	1
	20 to 29					1		1					1
	30 to 39					1					1		2
	40 to 49			1		1							
	50 to 59	2				1							
	60 to 69			3					1				1
	70 to 79												
	80 and over												
	Totals	2		4		3		1	1	1	2	6	5
Cancer and other malignant tumors	10 to 19												
	20 to 29												
	30 to 39										1		
	40 to 49	1		2		3							2
	50 to 59	1	1			5					1		1
	60 to 69	1		13		5				1		1	4
	70 to 79	1				4				1	1		
	80 and over												
	Totals	4	1	7		12				2	3	1	7
Diseases of the nervous system and of the organs of speech and hearing	10 to 19												
	20 to 29								1				
	30 to 39												
	40 to 49					1							1
	50 to 59			1		3					2		4
	60 to 69	1	1	2		3				1	2		2
	70 to 79		2	4	1	3				2	1		
	80 and over												
	Totals	1	3	7	1	7			1	3	3		7
Diseases of the circulatory system	10 to 19											1	
	20 to 29												
	30 to 39				1					2			1
	40 to 49			1	1	2		1		5		1	4
	50 to 59	2	7	5	1	4		2	1	2	1		6
	60 to 69	2	3	9	1	10		1	2	6	2		4
	70 to 79	1	2	4	3	10				6	1		6
	80 and over		1	2		2					1		
	Totals	5	13	21	7	28		4	3	21	5	2	21

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AGE GROUPS, NEW JERSEY, 1934—Continued

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
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13
14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19
20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21
22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29
30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33
34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34
35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35
36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37
38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38
39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39
40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40
41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41
42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43
44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44
45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45
46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46
47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47
48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48
49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49
50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51
52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54
55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55
56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56
57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57
58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58
59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59
60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60
61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61
62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62
63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63
64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64
65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65
66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66
67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67
68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68
69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69
70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70
71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71
72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72
73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73
74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74
75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75
76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76
77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77
78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78
79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79
80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80
81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81
82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82
83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83
84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84
85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85
86	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86
87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87
88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88
89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89
90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90
91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91
92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92
93	93	93	93</														

DEPARTMENT OF HEALTH

TABLE 21.—DEATHS BY OCCUPATIONS AND

		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	Other professional and semi-professional pursuits
Tuberculosis of the respiratory system	10 to 19	..	..	..	..	..	..	1	..	5	..	..	5	7
	20 to 29	..	..	..	..	..	..	..	..	..	..	..	1	6
	30 to 39	..	1	..	..	..	..	..	..	3	1	1	1	..
	40 to 49	..	..	..	..	..	..	..	..	..	..	..	1	..
	50 to 59	..	..	..	..	..	..	..	1	..	..	..	1	2
	60 to 69	..	1	..	..	..	..	..	..	..	..	..	1	2
	70 to 79	1	..	..	..	1	..	..	..	..	..	..	2	3
	80 and over	..	..	..	..	..	..	..	..	..	..	..	..	..
Totals		1	2	..	1	1	..	1	1	8	3	1	10	18
Cancer and other malignant tumors	10 to 19	..	..	..	..	..	..	1	..	..	..	..	1	..
	20 to 29	..	..	..	..	1	1	..	..	..	..	..	5	3
	30 to 39	..	1	..	..	1	1	1	..	2	..	..	1	9
	40 to 49	..	..	2	..	..	..	1	1	..	..	..	4	17
	50 to 59	2	2	1	1	3	1	1	2	2	1	4	14	17
	60 to 69	1	2	..	3	2	1	1	4	5	1	2	7	17
	70 to 79	1	1	..	2	2	1	..	4	5	1	1	12	6
	80 and over	1	..	..	..	1	..	..	1	..	..	1	4	3
Totals		5	6	3	6	10	4	4	12	14	3	8	43	55
Diseases of the nervous system and of the organs of special sense	10 to 19	..	..	..	..	..	..	..	..	1	..	..	1	..
	20 to 29	..	..	..	..	..	..	..	..	1	..	..	2	3
	30 to 39	..	1	..	..	..	..	..	..	2	..	..	..	..
	40 to 49	..	..	..	..	1	..	..	..	2	..	..	1	4
	50 to 59	..	..	..	2	1	..	..	1	1	1	1	5	4
	60 to 69	1	..	..	1	1	1	2	3	..	1	1	11	14
	70 to 79	..	..	..	2	3	..	..	2	1	1	2	7	7
	80 and over	..	..	..	..	2	..	..	1	1	..	..	4	..
Totals		1	1	..	5	9	1	2	5	10	3	4	31	32
Diseases of the circulatory system	10 to 19	..	..	..	..	..	..	..	..	1	..	..	1	4
	20 to 29	..	..	..	..	..	..	..	..	5	..	..	3	12
	30 to 39	..	1	..	..	..	1	1	..	3	4	3	6	12
	40 to 49	3	2	1	..	4	..	1	2	3	4	2	6	22
	50 to 59	1	1	1	3	8	2	2	9	4	2	5	6	22
	60 to 69	5	3	5	4	16	2	2	10	5	4	8	23	35
	70 to 79	1	5	1	2	12	4	4	13	9	1	11	19	23
	80 and over	2	3	1	1	5	..	1	3	4	..	5	5	8
Totals		12	15	9	10	45	9	11	37	31	11	34	63	116

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AGE GROUPS, NEW JERSEY, 1934—Continued

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																
Walters																
Other pursuits																
CLERICAL OCCUPATIONS																
Agents, canvassers and collectors																
Bookkeepers, cashiers and accountants																
Clerks (except clerks in stores)																
Other clerical pursuits																
Totals																
1 4 4 5 1																

		AGRICULTURE, FORESTRY AND ANIMAL HUSBANDRY					EXTRACTION OF MINERALS		
		Farmers	Farm laborers	Fishermen and oystermen	Gardeners, florists, fruit growers and nurserymen	Other agricultural and animal husbandry pursuits	Foremen, overseers and inspectors	Miners	Quarry operatives
Pneumonia	10 to 19	1						1	
	20 to 29								
	30 to 39	4	2		1				1
	40 to 49	7	1	1					
	50 to 59	11	2		3	1			
	60 to 69	11	1	1	2			1	
	70 to 79	11			2				
	80 and over	8	1	1	2				
	Totals	42	8	3	16	1		2	1
	Diseases of the respiratory system (pneumonia and tuberculosis excepted)	10 to 19							
20 to 29									
30 to 39		1							
40 to 49									
50 to 59		1						1	
60 to 69		3							
70 to 79		3			1				
80 and over									
Totals		8			1			1	
Diseases of the digestive system		10 to 19		1					
	20 to 29								
	30 to 39	3			2				
	40 to 49	4	1					1	
	50 to 59	8						1	
	60 to 69	8	2						
	70 to 79	6			1			1	
	80 and over	2							
	Totals	31	4		5			3	
	Non-venereal diseases of the genito-urinary system and annexa	10 to 19	1						
20 to 29		1	1						
30 to 39		3	1		1				
40 to 49		11	1		3				1
50 to 59		23	4	1	4	1			
60 to 69		43	3	1	6			2	1
70 to 79									
80 and over		39							
Totals		121	10	2	14	1		2	2

Non-venereal diseases of the genito-urinary system and annexa

AGE GROUPS, NEW JERSEY, 1934—Continued

MANUFACTURING AND MECHANICAL INDUSTRIES					
Bakers					
Blacksmiths, forgemen and hammermen					
Bollermakers					
Brick and stone masons					
Builders and building contractors					
Carpenters, coopers and cabinet makers					
Compositors, linotypers and typesetters					
Dressmakers and seamstresses (not in factory)					
Dyers					
Electricians and electrical engineers					
Engineers (stationary)					
Engravers					
Filers, 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)					

DEPARTMENT OF HEALTH

TABLE 21.—DEATHS BY OCCUPATIONS AND

		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.)
Pneumonia	10 to 19		1								2			
	20 to 29		1								1			
	30 to 39		1								1			
	40 to 49		1			1					3			
	50 to 59		1						2		3			
	60 to 69				1		1		1		3			
	70 to 79							1	1		1			
	80 and over									1				1
	Totals		6		1	1	1	1	4		27	11	13	10
Diseases of the respiratory system (pneumonia and tuberculosis excepted)	10 to 19													
	20 to 29													1
	30 to 39						1							
	40 to 49					1						2		1
	50 to 59		1											2
	60 to 69													
	70 to 79									1				
	80 and over													
	Totals		1			1	1				3	5		4
Diseases of the digestive system	10 to 19			1										
	20 to 29										1			1
	30 to 39	1									3			3
	40 to 49		1								6			3
	50 to 59		1				1	1			13	5	3	2
	60 to 69		1						1		5	3	10	
	70 to 79									3	2			
	80 and over									1		1		
	Totals	1	3	1			1	1	2		32	20	18	9
Non-venereal diseases of the genito-urinary system and annexa	10 to 19													
	20 to 29										2			
	30 to 39											1		1
	40 to 49													3
	50 to 59		3						1		4	5	2	1
	60 to 69		4								9	5	3	3
	70 to 79		4								14	12	7	1
	80 and over	1	1					2	2		9	1	8	3
	Totals	1	16					4	4		40	31	23	13

DEPARTMENT OF HEALTH

TABLE 21.—DEATHS BY OCCUPATIONS AND

	Potteries	Rubber Industries	Textile Industries	Other Industries	Shoemakers and cobblers (not in factory)	Stonecutters	Tailors and tailresses	Tinsmiths and coppersmiths	Upholsters	Other manufacturing and mechanical industries
Pneumonia										
10 to 19			1	2			1			
20 to 29		1	2	5						2
30 to 39			3	3						1
40 to 49	1	2	6	2			1	3	2	1
50 to 59	1	1	3	2	1					1
60 to 69		2	5	2	2		2	2		2
70 to 79			3	1	1		3			1
80 and over			1		1			1		
Totals	2	6	23	15	5		7	6	2	7
Diseases of the respiratory system (pneumonia excepted)				1						
10 to 19										
20 to 29										
30 to 39								1		
40 to 49			3							1
50 to 59	2		2	2	1	1				
60 to 69			2							
70 to 79										
80 and over					1					
Totals	2		7	3	2	1		1		
Diseases of the digestive system		1	1							
10 to 19										1
20 to 29			3	4				2		
30 to 39			5	4						4
40 to 49	1		4	3	1					3
50 to 59		1	4	1	3		2			3
60 to 69		2	4	1	2		3			3
70 to 79	1	2	5		7		2	1		
80 and over			1	1						
Totals	2	6	18	18	13		11	1		11
Non-venereal diseases of the genito-urinary system and annexa				2						
10 to 19										
20 to 29										2
30 to 39		1	1	2					1	1
40 to 49	1		5	3						2
50 to 59		1	3	3	3			1		1
60 to 69	4		17	8	1	3		2	1	5
70 to 79	1	2	6	4	7	2		2	1	1
80 and over		1	3	2	2		1			1
Totals	6	5	34	23	13	5	17	5	3	12

DEPARTMENT OF HEALTH

TABLE 21.—DEATHS BY OCCUPATIONS AND

		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	Linenmen	Mail carriers	Telegraph operators	Telephone operators	Other pursuits
Pneumonia	10 to 19											1	1
	20 to 29											1	1
	30 to 39				1								
	40 to 49												
	50 to 59	1							1	1			1
	60 to 69		2	1		2							2
	70 to 79			1	1	4							1
	80 and over					2							
	Totals	1	2	2	2	8			1	1		2	6
Diseases of the respiratory sys- tem (pneumonia and tuberculosis excepted)	10 to 19												
	20 to 29												
	30 to 39	1											
	40 to 49												
	50 to 59	1											
	60 to 69				1								
	70 to 79												
	80 and over					1							
	Totals	2		1		1							
Diseases of the digestive system	10 to 19							1				1	
	20 to 29												
	30 to 39		1									1	4
	40 to 49				1					1			
	50 to 59			1		2				1			1
	60 to 69	2								2	3		
	70 to 79					1							
	80 and over												
	Totals	2	1	1	1	3		1		5	3	2	5
Non-venereal diseases of the genito-urinary system and annexa	10 to 19												
	20 to 29												
	30 to 39												
	40 to 49			1								1	2
	50 to 59	2										1	
	60 to 69	3	1	1		2				2	1	1	
	70 to 79	1		3	3	2				1	3	1	
	80 and over												1
	Totals	8	1	8	3	5				3	5	3	3

[illegible]

DEPARTMENT OF HEALTH

TABLE 21.—DEATHS BY OCCUPATIONS AND

		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	Other professional and semi-professional pursuits	
Pneumonia	10 to 19	.....	.....	.....	1	.....	.....	1	.....	1	.....	.....	2	4
	20 to 29	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	1	4	4
	30 to 39	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	4	4
	40 to 49	.....	.....	.....	.....	1	.....	2	.....	1	.....	.....	4	4
	50 to 59	.....	.....	1	.....	1	.....	.....	.....	.....	1	.....	1	4
	60 to 69	.....	.....	1	2	.....	.....	.....	.....	.....	.....	.....	.....	1
	70 to 79	.....	.....	1	.....	1	.....	.....	.....	.....	.....	.....	.....	1
	80 and over	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	1	.....	1
Totals		.....	3	3	3	2	.....	3	5	2	1	3	12	24
Diseases of the respiratory system (pneumonia and tuberculosis excepted)	10 to 19	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	20 to 29	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
	30 to 39	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	40 to 49	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....
	50 to 59	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	1
	60 to 69	.....	.....	.....	1	.....	.....	1	.....	.....	.....	.....	.....	.....
	70 to 79	.....	.....	.....	.....	1	.....	.....	.....	1	.....	.....	.....	.....
	80 and over	.....	.....	.....	.....	.....	.....	.....	2	.....	.....	.....	.....	.....
Totals		.....	.....	.....	2	1	.....	1	2	.....	1	.....	1	2
Diseases of the digestive system	10 to 19	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	20 to 29	.....	.....	.....	.....	3	.....	.....	.....	2	.....	.....	1	6
	30 to 39	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	1	3
	40 to 49	.....	.....	.....	2	1	.....	1	.....	1	.....	1	3	5
	50 to 59	1	2	1	.....	.....	.....	.....	1	1	2	.....	5	7
	60 to 69	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	3	5
	70 to 79	.....	.....	.....	.....	.....	2	.....	.....	2	.....	.....	2	5
	80 and over	.....	.....	.....	.....	1	.....	1	.....	.....	.....	.....	.....	.....
Totals		1	2	1	2	6	3	3	1	8	4	1	15	29	
Non-venereal diseases of the genito-urinary system and annexa	10 to 19	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	1
	20 to 29	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2	2
	30 to 39	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	40 to 49	.....	.....	.....	1	.....	1	2	.....	1	2	.....	3	3
	50 to 59	.....	.....	1	.....	4	.....	.....	1	.....	.....	1	1	9
	60 to 69	1	1	2	4	1	1	3	1	1	3	9	
	70 to 79	1	4	1	1	3	1	5	4	6	
	80 and over	1	2	1	1	1	1	2	3	
Totals		2	3	4	1	14	3	4	9	6	1	8	15	33	

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AGE GROUPS, NEW JERSEY, 1934—Continued

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																
Totals																
.....	.....	.....	2	.....	.....	1	.....	.....	3	8	1	.....	.....	1	5	11
.....	.....	1	30	.....	.....	.....	.....	.....	3	.....	1	.....	.....	1	5	100
.....	.....	.....	51	.....	1	.....	1	.....	3	.....	.....	.....	.....	.....	.....	186
2	.....	1	75	2	.....	.....	4	1	8	2	6	.....	.....	.....	.....	317
4	.....	.....	94	.....	.....	.....	.....	.....	8	3	7	2	.....	.....	.....	315
4	.....	.....	111	.....	.....	1	.....	.....	4	.....	1	.....	.....	.....	.....	316
.....	.....	.....	133	5	1	1	1	.....	1	1	2	1	.....	.....	.....	283
1	.....	.....	53	.....	2	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	104
11	2	.....	549	14	4	4	7	1	27	9	18	5	17	41	13	1641
1	.....	.....	6	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	1	.....	3
3	.....	.....	7	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	15
.....	.....	.....	11	.....	.....	.....	.....	.....	2	1	.....	.....	.....	.....	.....	32
.....	.....	.....	10	.....	.....	.....	.....	.....	4	1	2	.....	.....	.....	.....	49
.....	.....	1	28	1	.....	.....	.....	.....	1	1	.....	.....	.....	3	.....	57
.....	.....	.....	18	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2	.....	71
.....	.....	.....	11	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	44
4	.....	1	91	2	.....	.....	.....	.....	8	2	3	.....	2	12	2	295
.....	.....	.....	2	.....	.....	1	.....	.....	2	1	.....	.....	.....	3	.....	15
2	.....	.....	31	.....	.....	2	.....	.....	1	1	1	.....	4	10	2	102
.....	.....	1	80	.....	1	.....	3	.....	1	1	.....	.....	.....	7	1	203
.....	.....	2	128	1	1	.....	2	2	8	3	6	1	7	8	2	363
4	.....	.....	160	3	6	1	4	2	6	2	3	.....	.....	10	2	427
1	.....	2	129	1	1	2	2	1	4	.....	2	2	.....	3	1	336
.....	.....	.....	83	.....	.....	.....	2	.....	2	.....	.....	.....	1	2	.....	196
.....	.....	.....	27	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	49
8	.....	9	640	6	8	6	13	5	23	8	12	5	12	44	9	1691
.....	.....	.....	3	1	.....	.....	.....	.....	2	.....	.....	.....	.....	1	.....	8
1	.....	.....	30	.....	.....	.....	.....	.....	3	.....	.....	.....	.....	3	.....	73
.....	.....	1	70	1	.....	.....	1	1	.....	.....	.....	.....	1	7	.....	143
3	.....	1	165	2	.....	2	1	.....	6	.....	3	.....	3	8	2	352
5	1	2	232	4	1	2	2	.....	8	4	5	4	2	8	2	547
4	.....	3	314	3	3	2	.....	2	10	1	6	5	3	15	3	823
8	.....	4	300	5	.....	1	.....	1	4	1	3	1	7	16	1	757
1	.....	.....	157	1	1	.....	1	.....	2	.....	2	1	3	5	.....	346
22	1	11	1271	17	5	7	5	4	35	6	19	11	19	63	11	3049

DEPARTMENT OF HEALTH

		AGRICULTURE, FORESTRY AND ANIMAL HUSBANDRY					EXTRACTION OF MINERALS				
		Farmers	Farm laborers	Fishermen and oystermen	Gardeners, florists, fruit growers and nurserymen	Other agricultural and animal husbandry pursuits	Foremen, overseers and inspectors	Miners	Quarry operatives		
Suicide	10 to 19	2			2						
	20 to 29	4	1		1	1		1			
	30 to 39	5	1								
	40 to 49	7									
	50 to 59	7									
	60 to 69	3			1						
	70 to 79										
	80 and over										
	Totals	24	2		4	1		1			
Violent deaths (suicide excepted)	10 to 19	4	1		2						
	20 to 29	4	4	3	3	2					
	30 to 39	6	3	3	1	2					
	40 to 49	6	8	2	5						
	50 to 59	9	4	1	3						
	60 to 69	5	1		1		1				
	70 to 79	6			4						
	80 and over										
	Totals	40	22	11	20	5	2	4	1		
All other diseases and causes of death	10 to 19	1			1	2					
	20 to 29	1	1	1	1	2					
	30 to 39	9	3		1						
	40 to 49	12	3		3	1					
	50 to 59	13	1	1	1						
	60 to 69	7	2	1	3						
	70 to 79	14	3				1				
	80 and over										
	Totals	57	13	3	11	5	1				
Summary	10 to 19	1	3		3	4					
	20 to 29	9	3	3	8	5		1	3		
	30 to 39	18	12	5	4	3		6	2		
	40 to 49	56	18	8	13	4		2	3		
	50 to 59	107	32	8	34	4		6	1		
	60 to 69	209	33	16	44	5	1	7	3		
	70 to 79	278	31	9	61	1	1	1	1		
	80 and over	206	16	9	19	3					
	Totals	884	148	58	186	25	4	26	12		

**All other
diseases and
causes
of death**

Violent deaths
(suicide
excepted)

Suicide

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AGE GROUPS, NEW JERSEY, 1934—Continued

MANUFACTURING AND MECHANICAL INDUSTRIES																										
Bakers	1 3 2 1 1 1	8	1 1 1 1 2 1	13	4	21	7	56	1	3	2	11	11	2	6	3	1	4	1 4 6 11 11 9 3	45	1	1	7 30 23 53 53 41 23 1	2 3 2 3 2 2 1	1 6 2 4 1 1	1 6 2 3 3 2 1
Blacksmiths, forgemen and hammermen	1 1 1 1 1 1	2	2 3 2 3 3 3	2	3 2 3 3 3 3	4	7	13	1	1	1	1	1	2	1	1	1	4	1 1 1 1 1 1 1	1	1	1	1 1 1 1 1 1 1	2 3 2 3 2 2 1	1 6 2 3 3 2 1	1 6 2 3 3 2 1
Boilermakers	1 1 1 1 1 1	4	1 1 1 1 2 1	21	4	7	56	1	3	2	11	11	2	6	3	1	4	1 4 6 11 11 9 3	45	1	1	7 30 23 53 53 41 23 1	2 3 2 3 2 2 1	1 6 2 3 3 2 1	1 6 2 3 3 2 1	
Brick and stone masons	1 1 1 1 1 1	5	2 3 2 3 3 3	4	3 2 3 3 3 3	21	7	13	1	1	1	1	1	2	1	1	1	4	1 1 1 1 1 1 1	1	1	1	1 1 1 1 1 1 1	2 3 2 3 2 2 1	1 6 2 3 3 2 1	1 6 2 3 3 2 1
Builders and building contractors	1 1 1 1 1 1	11	4 9 1 1 1 4	7	13 13 14 4	56	1	3	2	11	11	2	6	3	1	4	1 4 6 11 11 9 3	45	1	1	7 30 23 53 53 41 23 1	2 3 2 3 2 2 1	1 6 2 3 3 2 1	1 6 2 3 3 2 1	1 6 2 3 3 2 1	
Carpenters, coopers and cabinet makers	1 1 1 1 1 1	1	1 1 1 1 2 1	1	1 1 1 1 2 1	11	1	3	2	11	11	2	6	3	1	4	1 4 6 11 11 9 3	45	1	1	7 30 23 53 53 41 23 1	2 3 2 3 2 2 1	1 6 2 3 3 2 1	1 6 2 3 3 2 1	1 6 2 3 3 2 1	
Compositors, linotypers and typesetters	1 1 1 1 1 1	1	1 1 1 1 2 1	1	1 1 1 1 2 1	11	1	3	2	11	11	2	6	3	1	4	1 4 6 11 11 9 3	45	1	1	7 30 23 53 53 41 23 1	2 3 2 3 2 2 1	1 6 2 3 3 2 1	1 6 2 3 3 2 1	1 6 2 3 3 2 1	
Dressmakers and seamstresses (not in factory)	1 1 1 1 1 1	1	1 1 1 1 2 1	1	1 1 1 1 2 1	11	1	3	2	11	11	2	6	3	1	4	1 4 6 11 11 9 3	45	1	1	7 30 23 53 53 41 23 1	2 3 2 3 2 2 1	1 6 2 3 3 2 1	1 6 2 3 3 2 1	1 6 2 3 3 2 1	
Dyers	1 1 1 1 1 1	1	1 1 1 1 2 1	1	1 1 1 1 2 1	11	1	3	2	11	11	2	6	3	1	4	1 4 6 11 11 9 3	45	1	1	7 30 23 53 53 41 23 1	2 3 2 3 2 2 1	1 6 2 3 3 2 1	1 6 2 3 3 2 1	1 6 2 3 3 2 1	
Electricians and electrical engineers	1 1 1 1 1 1	2	3 1 4 1 1 1	11	1 1 1 1 2 1	11	1	3	2	11	11	2	6	3	1	4	1 4 6 11 11 9 3	45	1	1	7 30 23 53 53 41 23 1	2 3 2 3 2 2 1	1 6 2 3 3 2 1	1 6 2 3 3 2 1	1 6 2 3 3 2 1	
Engineers (stationary)	1 1 1 1 1 1	6	1 1 1 1 2 1	13	4 9 1 1 2 1	21	7	13	1	1	1	1	1	2	1	1	1	4	1 1 1 1 1 1 1	1	1	1	1 1 1 1 1 1 1	2 3 2 3 2 2 1	1 6 2 3 3 2 1	1 6 2 3 3 2 1
Engravers	1 1 1 1 1 1	1	1 1 1 1 2 1	1	1 1 1 1 2 1	11	1	3	2	11	11	2	6	3	1	4	1 4 6 11 11 9 3	45	1	1	7 30 23 53 53 41 23 1	2 3 2 3 2 2 1	1 6 2 3 3 2 1	1 6 2 3 3 2 1	1 6 2 3 3 2 1	
Filets, grinders, buffers and polishers (metal)	1 1 1 1 1 1	1	1 1 1 1 2 1	1	1 1 1 1 2 1	11	1	3	2	11	11	2	6	3	1	4	1 4 6 11 11 9 3	45	1	1	7 30 23 53 53 41 23 1	2 3 2 3 2 2 1	1 6 2 3 3 2 1	1 6 2 3 3 2 1	1 6 2 3 3 2 1	
Firemen (except locomotive and fire department)	1 1 1 1 1 1	3	1 1 1 1 2 1	6	1 1 1 1 2 1	11	1	3	2	11	11	2	6	3	1	4	1 4 6 11 11 9 3	45	1	1	7 30 23 53 53 41 23 1	2 3 2 3 2 2 1	1 6 2 3 3 2 1	1 6 2 3 3 2 1	1 6 2 3 3 2 1	
Glassblowers	1 1 1 1 1 1	1	1 1 1 1 2 1	1	1 1 1 1 2 1	11	1	3	2	11	11	2	6	3	1	4	1 4 6 11 11 9 3	45	1	1	7 30 23 53 53 41 23 1	2 3 2 3 2 2 1	1 6 2 3 3 2 1	1 6 2 3 3 2 1	1 6 2 3 3 2 1	
Jewelers, watchmakers, goldsmiths and silversmiths	1 1 1 1 1 1	4	1 1 1 1 2 1	7	1 1 1 1 2 1	11	1	3	2	11	11	2	6	3	1	4	1 4 6 11 11 9 3	45	1	1	7 30 23 53 53 41 23 1	2 3 2 3 2 2 1	1 6 2 3 3 2 1	1 6 2 3 3 2 1	1 6 2 3 3 2 1	
Laborers—	1 1 1 1 1 1	1	1 1 1 1 2 1	1	1 1 1 1 2 1	11	1	3	2	11	11	2	6	3	1	4	1 4 6 11 11 9 3	45	1	1	7 30 23 53 53 41 23 1	2 3 2 3 2 2 1	1 6 2 3 3 2 1	1 6 2 3 3 2 1	1 6 2 3 3 2 1	
General and not specified	1 1 1 1 1 1	1	1 1 1 1 2 1	1	1 1 1 1 2 1	11	1	3	2	11	11	2	6	3	1	4	1 4 6 11 11 9 3	45	1	1	7 30 23 53 53 41 23 1	2 3 2 3 2 2 1	1 6 2 3 3 2 1	1 6 2 3 3 2 1	1 6 2 3 3 2 1	
Building and hand trades	1 1 1 1 1 1	1	1 1 1 1 2 1	1	1 1 1 1 2 1	11	1	3	2	11	11	2	6	3	1	4	1 4 6 11 11 9 3	45	1	1	7 30 23 53 53 41 23 1	2 3 2 3 2 2 1	1 6 2 3 3 2 1	1 6 2 3 3 2 1	1 6 2 3 3 2 1	
Chemical industries	1 1 1 1 1 1	1	1 1 1 1 2 1	1	1 1 1 1 2 1	11	1	3	2	11	11	2	6	3	1	4	1 4 6 11 11 9 3	45	1	1	7 30 23 53 53 41 23 1	2 3 2 3 2 2 1	1 6 2 3 3 2 1	1 6 2 3 3 2 1	1 6 2 3 3 2 1	
Clay and stone industries (excepting potteries)	1 1 1 1 1 1	1	1 1 1 1 2 1	1	1 1 1 1 2 1	11	1	3	2	11	11	2	6	3	1	4	1 4 6 11 11 9 3	45	1	1	7 30 23 53 53 41 23 1	2 3 2 3 2 2 1	1 6 2 3 3 2 1	1 6 2 3 3 2 1	1 6 2 3 3 2 1	

DEPARTMENT OF HEALTH

TABLE 21.—DEATHS BY OCCUPATIONS AND

		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		1										1	2
	20 to 29		2								2	1		
	30 to 39		3									2		1
	40 to 49		1					1			3		1	
	50 to 59										1	1	2	
	60 to 69												1	
	70 to 79													
	80 and over													
	Totals		7					1			6	4	5	3
Violent deaths (suicide excepted)	10 to 19		1				1	1			2			3
	20 to 29	2	2	1			1	1	2		6	2	2	9
	30 to 39		1					1	3		2	2	1	6
	40 to 49		6					1			6	3	2	8
	50 to 59		1						2		11	7	1	5
	60 to 69								1		3		3	
	70 to 79										2		2	1
	80 and over										1		1	
	Totals	2	11	1			2	3	9		41	20	12	32
All other diseases and causes of death	10 to 19								1				1	
	20 to 29		1						1			2		3
	30 to 39										1	1		1
	40 to 49	1	1	1					2		7	4	3	5
	50 to 59		4				1				7	5	3	1
	60 to 69		4						1		4	1	5	2
	70 to 79										10	3	1	
	80 and over										1			
	Totals	1	6	1			1		5		30	16	13	12
Summary	10 to 19		2	1			1		2		2		1	3
	20 to 29	2	0	1			1	1	5		18	8	3	23
	30 to 39	2	7				1	2	8		32	18	7	28
	40 to 49	2	31	2			4	2	6		64	51	13	86
	50 to 59	2	31	1			1	3	19		117	65	33	34
	60 to 69	1	28	2			3	4	16		108	59	68	16
	70 to 79	2	14		2	2	3	5	10		99	46	59	19
	80 and over		4	1					2		25	6	22	12
	Totals	11	121	8	4	8	14	24	80		465	253	206	171

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AGE GROUPS, NEW JERSEY, 1984—Continued

Millers (grain, flour, feed, etc.)	Milliners and millinery dealers	Moulders, founders and casters	Painters, glaziers, varnishers, enamellers, etc.	Paperhangers	Plasterers	Plumbers and gas and steam fitters	Pressmen (printing)	Roofers and slaters	Semi-skilled Operatives—	Industry not stated	Chemical industries	Cigar and tobacco factories	Clay and stone industries (excepting potteries)	Clothing industries	Food industries	Glass industries	Iron, steel and other metal industries	Leather industries	Lumber and furniture industries
1	1	2	27	1	9	9	15	5	1	14	4	2	16	9	4	
10	7	79	452	24	22	183	116	20	163	89	37	26	160	74	39	283	96	42	
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DEPARTMENT OF HEALTH

TABLE 21.—DEATHS BY OCCUPATIONS AND

		Porteries	Rubber industries	Textile industries	Other industries		Shoemakers and cobblers (not in factory)	Stonecutters	Tailors and tailoresses	Thsmiths and coppersmiths	Upholsterers	Other manufacturing and mechanical industries
Suicide	10 to 19			1								
	20 to 29			1	1							
	30 to 39	1		1	1				1			
	40 to 49			1	2				1			
	50 to 59	1		5					4	1		
	60 to 69			3					1			
	70 to 79	1		2	1				1			
	80 and over											
	Totals	3		13	4				7	1		
Violent deaths (suicide excepted)	10 to 19		1	1	2							
	20 to 29	1	1	1	6		1			1		2
	30 to 39		2	6	6		2					1
	40 to 49		1	4	11		1		3		2	
	50 to 59		2	2	6		1	1	2	1	1	
	60 to 69			2	3			1	1	2		1
	70 to 79			5	2		2					
	80 and over			2	2					1		
	Totals	1	7	23	38		7	2	6	5	3	4
All other diseases and causes of death	10 to 19		1	1	1							
	20 to 29		1	3	3					1		
	30 to 39		2		4				1			
	40 to 49	1		4	3				5			1
	50 to 59	2		6	4		3		4			1
	60 to 69	1		3	4				1	2		1
	70 to 79			2			2	1	1			
	80 and over			3	1							
	Totals	4	4	22	20		5	1	12	3		3
Summary	10 to 19		3	4	10							
	20 to 29	1	4	20	32		1		2	2	1	5
	30 to 39	2	7	27	32		4		8	1	1	7
	40 to 49	11	5	52	52		15	1	32	10	4	13
	50 to 59	16	12	66	58		30	5	42	9	3	23
	60 to 69	18	13	101	56		21	11	44	20	4	31
	70 to 79	6	13	69	50		40	10	26	10	7	11
	80 and over	2	2	20	14		14	2	4	5	2	4
	Totals	56	59	359	302		125	29	158	57	22	94

AGE GROUPS, NEW JERSEY, 1934—Continued

[illegible]

DEPARTMENT OF HEALTH

TABLE 21.—DEATHS BY OCCUPATIONS AND

		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	.....	.....	.....	.....	1	.....	1	.....	1	.....	.....	.....
	30 to 39	.....	.....	.....	.....	1	.....	1	.....	.....	.....	.....	.....
	40 to 49	.....	.....	1	.....	1	.....	1	.....	.....	.....	.....	.....
	50 to 59	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
	60 to 69	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	1
	70 to 79	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	80 and over	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Totals	.....	1	1	.....	3	.....	2	.....	1	.....	.....	2
Violent deaths (suicide excepted)	10 to 19	.....	.....	.....	.....	1	.....	.....	1	.....	1	.....	.....
	20 to 29	.....	.....	.....	.....	1	.....	1	.....	.....	.....	.....	.....
	30 to 39	.....	.....	.....	1	.....	.....	.....	.....	1	.....	.....	.....
	40 to 49	.....	1	1	.....	1	.....	1	.....	.....	1	.....	2
	50 to 59	.....	1	1	.....	1	.....	.....	.....	1	.....	.....	2
	60 to 69	.....	.....	2	.....	4	.....	.....	.....	.....	.....	.....	1
	70 to 79	.....	.....	2	.....	.....	.....	.....	.....	1	.....	.....	.....
	80 and over	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Totals	.....	2	6	1	7	.....	1	1	3	2	.....	5
All other diseases and causes of death	10 to 19	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	20 to 29	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....
	30 to 39	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	1	.....
	40 to 49	1	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	1
	50 to 59	1	.....	.....	1	.....	.....	.....	.....	.....	1	.....	4
	60 to 69	1	.....	3	.....	2	.....	.....	.....	1	.....	.....	.....
	70 to 79	.....	.....	1	.....	.....	.....	.....	.....	.....	1	.....	.....
	80 and over	.....	.....	1	.....	2	.....	.....	.....	.....	1	.....	.....
	Totals	2	.....	5	1	4	.....	.....	.....	2	4	1	5
Summary	10 to 19	.....	.....	.....	.....	2	.....	.....	.....	.....	.....	.....	2
	20 to 29	.....	.....	.....	.....	1	.....	2	.....	.....	3	9	2
	30 to 39	1	1	.....	3	1	.....	1	.....	6	1	3	9
	40 to 49	2	1	8	2	5	.....	3	.....	7	2	2	11
	50 to 59	10	9	8	4	13	.....	2	.....	7	4	1	17
	60 to 69	9	7	24	2	29	1	2	12	11	2	17
	70 to 79	4	5	18	5	24	11	5	10
	80 and over	1	1	5	7	1
	Totals	27	24	63	16	81	9	7	42	27	17	66

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AGE GROUPS, NEW JERSEY, 1934—Continued

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
	1	2	1	1	1	3	1	1	2			1		1		1	1
	2	2			9	4	1	9	1			2			1		2
	2			1	4	6		6						1	3		1
					1	6		5			1			1	1		3
						2		2									1
	3	2	1	2	14	25	1	31	3		1	3		3	5	1	8
		5	5			2						1					
	2	2	8	2	1	8	1	8				2		1		2	1
			1		1	8	1	13	3		4	2	1		3		2
				12		12		13	1		4	5	1		1		7
	3	1		12	6	6		18	1		1	5			2		7
	1			12	3	3		16	1		1	1		2			8
				1	2	1		4				1		2			2
					1	3	1	1									1
	6	8	16	8	11	43	8	73	6		10	16	2	3	6	2	28
		1										1					
		4		1		5		4				2					
			2	2	12	5		6				1			1		
		1		2	5	6		7	1			4		1			4
	1	1	2	2	5	12		20			1	5		2	1	1	2
	3				8	7	2	21	1			2		3	1		6
	2				1	6		20						1	1		6
					1			8						1			3
	6	6	5	5	22	41	2	86	2		1	15		7	5	1	21
	1	9	5			5		1	1			4					1
	6	19	12	5		36	2	24	9			7		5		3	4
	7	12	7	15	65	2		73	6		6	19	2	2	14	2	5
	14	11	11	7	37	117	4	158	10		14	20	3	14	19	4	33
	20	9	7	12	75	126	3	278	16		17	39	3	26	35	6	62
	40	9	6	10	99	111	9	342	24		14	17	5	36	30	2	130
	26	8	3	5	70	71	5	277	14		3	8	2	25	21	4	90
	12	3	2		34	20	3	106	1		3	1	2	10		2	21
	119	75	58	46	335	551	28	1259	81		57	115	17	118	119	23	346

DEPARTMENT OF HEALTH

TABLE 21.—DEATHS BY OCCUPATIONS AND

		PROFESSIONAL SERVICE												Other professional and semi-professional pursuits
		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	
Suicide	10 to 19	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	1
	20 to 29	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	3
	30 to 39	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	2
	40 to 49	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....
	50 to 59	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	60 to 69	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	70 to 79	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	80 and over	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Totals	1	.....	.....	3	.....	1	3	2	2	1	2	5	10
Violent deaths (suicide excepted)	10 to 19	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
	20 to 29	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	7
	30 to 39	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	6
	40 to 49	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3
	50 to 59	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2
	60 to 69	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	5
	70 to 79	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
	80 and over	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
	Totals	.....	3	2	2	6	1	2	5	3	1	8	9	32
All other diseases and causes of death	10 to 19	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2
	20 to 29	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	7
	30 to 39	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	5
	40 to 49	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3
	50 to 59	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	7
	60 to 69	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	4
	70 to 79	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	80 and over	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
	Totals	2	3	4	4	17	1	8	7	7	1	10	12	29
Summary	10 to 19	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	4
	20 to 29	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	41
	30 to 39	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	43
	40 to 49	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	25
	50 to 59	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	81
	60 to 69	96
	70 to 79	53
	80 and over	17
	Totals	25	38	26	39	111	23	42	86	91	30	79	216	380

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AGE GROUPS, NEW JERSEY, 1934—Continued

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	Totals
1	1			11						1					3	4	1	8
2	1			24		1		1	1		1					1	2	52
3	1		2	15				1		1		1				4	2	98
4	2		3	27	3	1		1		2	1	1		1	1	4		118
5			1	23	1							2				1		138
6				9	1				1	2				1		1		105
7				1						1								41
8																		2
9	4		6	111	4	2		3	2	7	2	4		1	5	15	7	562
10	1			7						2		1					2	63
11	2			31						7	4	3		1	2	13	4	281
12	2			36	1			1		4		3		1	2	6		275
13			2	57	1					3	1	3		1	1	3	3	368
14	5		2	70	2		1	2		7	1	3			3	5	1	377
15	1		1	75	2	3				1		2			2	8		309
16				88	2		1	1		2		3				2	1	201
17	1			63												2		105
18																		
19	10	6	6	427	9	3	2	4		25	7	18		3	10	39	12	1979
20				17						2					1	2	1	38
21	3			156			1			12	5	1			3	10		295
22	1			197						14	1	13			2	8		347
23	4			190			2	3		13		6		2	3	8	4	461
24	4	2		242	1		1	1		16	2	7		1	1	9	4	539
25	2		2	329	2	2	1	1		6		4			3	5	5	594
26	1		1	188	1			2		3	1	4			2	2	1	343
27				52				1		2		1		1	1	1	1	123
28																		
29	15	3	8	1371	5	2	5	8		68	9	23		4	16	45	16	2740
30																		
31	2	1		43	1		1			9	2	4			2	8	7	205
32	14			493	2	2	4			61	18	16		3	26	96	87	1587
33	13			881	7	8	6	10	3	63	14	13		3	21	79	12	2362
34	29	10	13	1462	15	13	13	19	4	86	14	42		6	38	101	27	4341
35	42	10	24	2164	45	16	14	23	3	126	28	56		21	40	134	28	6120
36	29	7	22	2604	49	15	20	15	4	75	12	51		18	41	145	15	7511
37	27	1	19	2530	41	3	20	10	4	42	10	46		6	44	90	11	6042
38	9		4	1142	8	5	3	4		16	1	8		2	18	32	2	2437
39	165	32	85	11619	168	61	81	81	18	478	99	236		59	230	685	139	30605

TABLE 22.—TABULATION OF DEATHS IN ATLANTIC COUNTY FOR 1934, ACCORDING TO THE ABRIDGED INTERNATIONAL LIST OF CAUSES OF DEATH

Abridged International List Number	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
	ALL CAUSES	1801	946	855	404	122	22	12	8	4	168	13	43	83	91	201	322	390	340	129	21	...
1	Typhoid and paratyphoid fever	2		2										2								
2	Typhus fever																					
3	Smallpox																					
4	Measles	4	2	2	1	1	2				3			1								
5	Scarlet fever	1		1										1								
6	Whooping cough	13		2		2					2											
7	Diphtheria																					
8	Influenza	18	11	7	7	2			1		3			1	1	3	3	3	3	1		
9	Plague																					
10	Tuberculosis of the respiratory system	77	49	28	40									2	25	13	14	15	6	2		
11	Other forms of tuberculosis	16	7	9	9			1		1	2		5	4	1	1	2				1	
12	Syphilis	28	18	10	16	2	1				3			1	4	8	7	4	1	1		
13	Malaria	7		1	2									2	1	2						
14	Other infectious and parasitic diseases						1				1			1								
15	Cancer and other malignant tumors	181	77	104	21								1	1	6	18	52	47	43	12	1	
16	Tumors, nonmalignant, or of which the nature is not specified	7	1	6	3									1		2		2				
17	Chronic rheumatism and gout	2		2	1																1	1
18	Diabetes mellitus	40	15	25	7								1	1	1	5	7	16	5	3		
19	Alcoholism (acute or chronic)	12	8	4	8									1	1	8	2					
20	Other general diseases and chronic poisonings..	23	6	17	7	3	1	1	1		6		1	1		4	6	3	1	1		
21	Progressive locomotor ataxia and general paralysis of the insane	8	6	2	1										2	4		1		1		
22	Cerebral hemorrhage, cerebral embolism and thrombosis	150	64	86	33		1				1		1		2	9	24	50	46	14	3	

23	Other diseases of the nervous system and of the organs of special sense	20	10	10	1	1	1	1	3	1	2	3	2	5	3	1	.....	.....
24	Diseases of the heart	522	288	234	92	2	2	1	3	4	6	20	49	103	134	140	56	7
25	Other diseases of the circulatory system	28	13	15	7	.....	.....	.....	.....	.....	2	1	1	4	8	4	7	1
26	Bronchitis	4	1	3	1	.....	.....	.....	.....	.....	.....	.....	1	1	2	.....	.....	.....
27	Pneumonias	114	69	45	31	14	9	3	1	27	6	4	4	5	18	15	19	11
28	Other diseases of the respiratory system (tuberculosis excepted)	9	6	3	4	2	1	.....	3	.....	.....	1	1	.....	3	.....	.....	1
29	Diarrhoea and enteritis	18	5	13	5	10	.....	.....	10	.....	.....	.....	.....	.....	1	4	2	1
30	Appendicitis	22	18	4	.....	.....	2	.....	2	2	2	1	5	.....	2	2	3	.....
31	Diseases of the liver and biliary passages	24	9	15	2	.....	.....	.....	.....	.....	.....	.....	3	3	3	6	8	4
32	Other diseases of the digestive system	33	16	17	11	1	2	.....	3	.....	1	2	1	5	10	5	6	.....
33	Nephritis	153	80	73	36	.....	.....	.....	.....	.....	1	2	2	20	26	43	43	15
34	Other diseases of the genitourinary system	23	15	8	4	1	.....	.....	1	2	.....	.....	2	2	3	8	3	2
35	Puerperal septicemia	5	.....	5	2	.....	.....	.....	.....	.....	.....	3	2	.....	.....	.....	.....	.....
36	Other diseases of pregnancy, childbirth and the puerperal state	6	.....	6	3	.....	.....	.....	.....	.....	1	1	4	.....	.....	.....	.....	.....
37	Diseases of the skin and cellular tissue, and of the bones and organs of locomotion	1	1	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....
38	Congenital debility and malformations, premature birth and other diseases of early infancy	84	45	39	20	83	.....	1	84	.....	.....	.....	.....	.....	.....	.....	.....	.....
39	Senility	5	1	4	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	1
40	Suicide	28	21	7	3	.....	.....	.....	.....	.....	1	4	4	7	6	5	1	.....
41	Homicide	8	4	4	3	.....	.....	.....	.....	.....	1	3	.....	2	2	.....	.....	.....
42	Violent and accidental deaths (suicide and homicide excepted)	115	73	42	21	.....	1	5	4	1	11	1	10	12	10	12	19	14
43	Cause of death not specified or ill-defined	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....

Estimated population, 131,800.

Total resident deaths, 1,801.

Rate per 1,000 population, 13.6.

TABULATION OF DEATHS IN ATLANTIC CITY FOR 1934, ACCORDING TO THE ABRIDGED INTERNATIONAL LIST OF CAUSES OF DEATH

Abridged International List Number	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
	ALL CAUSES	1021	518	503	318	68	10	7	3	3	91	5	21	47	71	129	203	218	167	57	12	...
1	Typhoid and paratyphoid fever	2		2										2								
2	Typhus fever																					
3	Smallpox																					
4	Measles	1		1		1					1											
5	Scarlet fever																					
6	Whooping cough																					
7	Diphtheria																					
8	Influenza	10	7	3	4				1		1			1	1	1	2	2	2			
9	Plague																					
10	Tuberculosis of the respiratory system	54	34	20	55						1		2	17	13	9	10	2	1			
11	Other forms of tuberculosis	8	2	6	6			1			1		1	2		1	2			1		
12	Syphilis	19	13	6	13	2	1				3				4	6	2	3	1	1		
13	Malaria																					
14	Other infectious and parasitic diseases	1	1		1									1								
15	Cancer and other malignant tumors	99	38	61	16									1	5	13	33	25	17	4	1	...
16	Tumors, nonmalignant, or of which the nature is not specified	4		4	3										2		1	1				
17	Chronic rheumatism and gout	2		2	1																	
18	Diabetes mellitus	20	8	12	4								1		1	4	2	9	1	2		
19	Alcoholism (acute or chronic)	12	8	4	8									1	1	8	2					
20	Other general diseases and chronic poisonings..	12	5	7	6			1	1		2		1			3	3	2	1			
21	Progressive locomotor ataxia and general paralysis of the insane	6	4	2	1										2	3		1				
22	Cerebral hemorrhage, cerebral embolism and thrombosis	87	37	50	25		1				1				2	6	19	25	26	7	1	...

23	Other diseases of the nervous system and of the organs of special sense	14	6	8	.....	1	.....	1	.....	1	2	2	.....	1	4	3	.....	.....	.....	.....
24	Diseases of the heart	293	148	145	72	1	.....	1	2	.....	1	3	17	30	61	77	74	24	4	.....
25	Other diseases of the circulatory system	12	7	5	5	.....	.....	.....	.....	.....	.....	1	1	1	2	3	1	3	.....	.....
26	Bronchitis	3	1	2	1	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	1	1	.....	.....	.....
27	Pneumonias	72	41	31	28	7	5	2	.....	1	15	3	3	3	5	10	12	14	6	1	.....
28	Other diseases of the respiratory system (tuberculosis excepted)	6	5	1	4	.....	.....	.....	.....	.....	.....	.....	.....	1	1	3	.....	.....	.....	1	.....
29	Diarrhoea and enteritis	13	3	10	4	7	.....	7	.....	.....	.....	.....	1	1	.....	3	.....	.....	.....	.....	.....
30	Appendicitis	9	8	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	2	1	2	.....	.....	.....	.....
31	Diseases of the liver and biliary passages	12	4	8	2	.....	.....	.....	.....	.....	.....	.....	.....	1	1	2	2	4	3	.....	.....
32	Other diseases of the digestive system	23	13	10	9	.....	1	.....	1	.....	1	2	1	3	8	4	3	.....	.....	.....	.....
33	Nephritis	74	40	34	23	.....	.....	.....	.....	.....	.....	1	1	1	14	14	19	16	8	1	.....
34	Other diseases of the genitourinary system	14	9	5	3	1	.....	1	.....	1	.....	.....	2	1	3	4	1	1	.....	.....	.....
35	Puerperal septicemia	3	.....	3	2	.....	.....	.....	.....	.....	.....	.....	1	2	.....	.....	.....	.....	.....	.....	.....
36	Other diseases of pregnancy, childbirth and the puerperal state	3	.....	3	2	.....	.....	.....	.....	.....	.....	.....	1	2	.....	.....	.....	.....	.....	.....	.....
37	Diseases of the skin and cellular tissue, and of the bones and organs of locomotion	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....
38	Congenital debility and malformations, premature birth and other diseases of early infancy	51	26	25	17	50	.....	1	.....	51	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
39	Senility	5	1	4	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	1	3	.....	.....
40	Suicide	12	8	4	3	.....	.....	.....	.....	.....	.....	1	2	2	3	3	1	.....	.....	.....	.....
41	Homicide	5	2	3	2	.....	.....	.....	.....	.....	.....	.....	3	.....	1	1	.....	.....	.....	.....	.....
42	Violent and accidental deaths (suicide and homicide excepted)	59	38	21	16	.....	3	.....	1	4	.....	5	3	5	7	11	15	8	1	.....	.....
43	Cause of death not specified or ill-defined .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

Estimated population, 68,800.

Total resident deaths, 1,021.

Rate per 1,000 population, 14.8.

**Abridged International
List Number**

Abridged International List Number	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
	ALL CAUSES	3394	1802	1592	120	180	22	12	6	15	235	68	100	139	190	350	557	768	624	313	50	...
1	Typhoid and paratyphoid fever	4	1	3	1									1		1	2					
2	Typhus fever																					
3	Smallpox																					
4	Measles																					
5	Scarlet fever	8		8	1				1	2	3	2	1	1				1				
6	Whooping cough	5		5	2		3		1													
7	Diphtheria	15	7	8		1	1			1	2	6	4									
8	Influenza	19	4	15	1	1				1	5	6	2	1	3	5	2	2	1	1		
9	Plague																					
10	Tuberculosis of the respiratory system	141	35	56	12		1	1			2		6	30	31	30	16	20	6			
11	Other forms of tuberculosis	12	4	8			1						1	2	2	1	2		1			
12	Syphilis	24	18	6	8	5	1				6	2	1	1	4	4	4	2	2	1		
13	Malaria																					
14	Other infectious and parasitic diseases is not specified	32	20	12	1	3	1				4	3	4	5	5	1	6		3	1		
15	Cancer and other malignant tumors	481	215	266	10							4	4	5	4	19	53	102	150	108	32	4
16	Tumors, nonmalignant, or of which the nature is not specified	27	6	21						1	1				4	8	9	3	2			
17	Chronic rheumatism and gout	4	4												1	1		1	1			
18	Diabetes mellitus	82	35	47	2								1	1	1	7	15	30	22	4	1	
19	Alcoholism (acute or chronic)	2	2												1	1						
20	Other general diseases and chronic poisonings..	67	34	33	2	8					8	7	4	8	5	11	10	8	5	1		
21	Progressive locomotor ataxia and general paralysis of the insane	8	8		2										1	3	2	1		1		
22	Cerebral hemorrhage, cerebral embolism and thrombosis	238	115	123	6								1		2	15	35	79	69	34	3	

23	Other diseases of the nervous system and of the organs of special sense	48	27	21	1	3	1	1	.....	5	3	6	8	7	4	4	2	8	1	.....
24	Diseases of the heart	911	506	405	20	1	.....	.....	.....	1	2	19	14	31	70	162	256	209	125	22
25	Other diseases of the circulatory system	71	35	36	2	.....	.....	.....	.....	.....	.....	1	1	2	7	12	26	21	1	.....
26	Bronchitis	8	4	4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	4	2	2	.....	.....
27	Pneumonias	201	116	85	12	21	8	3	2	4	38	6	9	7	11	19	27	36	34	13
28	Other diseases of the respiratory system (tuberculosis excepted)	32	18	14	1	1	1	.....	.....	2	1	.....	1	2	5	5	9	4	1	2
29	Diarrhoea and enteritis	15	10	5	4	9	1	.....	.....	10	1	.....	.....	.....	.....	2	1	1	.....	.....
30	Appendicitis	52	21	31	2	.....	.....	1	1	2	9	5	9	3	10	6	4	4	.....	.....
31	Diseases of the liver and biliary passages	70	37	33	3	.....	.....	.....	.....	2	1	1	6	13	21	16	9	.....	1	.....
32	Other diseases of the digestive system	77	48	29	2	2	2	1	2	9	3	1	3	6	15	15	10	8	7	.....
33	Nephritis	267	121	146	7	1	.....	.....	.....	1	.....	2	5	5	22	36	63	75	50	8
34	Other diseases of the genitourinary system	38	25	13	2	.....	.....	.....	.....	.....	.....	2	1	4	5	9	12	4	1	.....
35	Puerperal septicemia	5	.....	5	.....	.....	.....	.....	.....	.....	.....	3	2	.....	.....	.....	.....	.....	.....	.....
36	Other diseases of pregnancy, childbirth and the puerperal state	7	.....	7	.....	.....	.....	.....	.....	.....	.....	2	4	1	.....	.....	.....	.....	.....	.....
37	Diseases of the skin and cellular tissue, and of the bones and organs of locomotion	10	6	4	.....	1	.....	.....	.....	1	.....	4	.....	1	.....	1	2	1	.....	.....
38	Congenital debility and malformations, premature birth and other diseases of early infancy	121	67	54	8	119	1	.....	.....	120	1	.....	.....	.....	.....	.....	.....	.....	.....	.....
39	Senility	2	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2	.....
40	Suicide	59	40	19	2	.....	.....	.....	.....	.....	.....	8	13	12	12	10	3	1	.....	.....
41	Homicide	9	6	3	2	1	.....	.....	.....	1	.....	1	3	1	3	.....	.....	.....	.....	.....
42	Violent and accidental deaths (suicide and homicide excepted)	220	152	68	4	.....	2	4	.....	2	8	15	21	19	15	29	42	34	16	16
43	Cause of death not specified or ill-defined	2	2	.....	.....	1	.....	.....	.....	1	.....	.....	.....	.....	1	.....	.....	.....	.....	.....

Estimated population, 891,400.

Total resident deaths, 3,394.

Rate per 1,000 population, 8.6.

TABULATION OF DEATHS IN ENGLEWOOD CITY FOR 1934, ACCORDING TO THE ABRIDGED INTERNATIONAL LIST OF CAUSES OF DEATH

Abridged International List Number	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
	ALL CAUSES	155	84	71	30	11	2				13		7	7	12	20	31	23	29	10	3	
1	Typhoid and paratyphoid fever																					
2	Typhus fever																					
3	Smallpox																					
4	Measles																					
5	Scarlet fever	1		1																		
6	Whooping cough																					
7	Diphtheria												1									
8	Influenza																					
9	Plague																					
10	Tuberculosis of the respiratory system	6	5	1	2									2	1	1	1	1				
11	Other forms of tuberculosis	3	1	2																		
12	Syphilis	5	5		3	1	1				2		1		1	1	1	1			1	
13	Malaria																					
14	Other infectious and parasitic diseases	1	1																			
15	Cancer and other malignant tumors	16	9	7	3																	
16	Tumors, nonmalignant, or of which the nature is not specified	3		3																		
17	Chronic rheumatism and gout															3						
18	Diabetes mellitus	3	1	2	1																	
19	Alcoholism (acute or chronic)																					
20	Other general diseases and chronic poisonings..	5	3	2	1	1					1			1		1	2					
21	Progressive locomotor ataxia and genera. paralysis of the insane	1	1																		1	
22	Cerebral hemorrhage, cerebral embolism and thrombosis	14	4	10	2											2	4	1	6	1		

Rate per 1,000 population, 8.2.

TABULATION OF DEATHS IN GARFIELD CITY FOR 1934, ACCORDING TO THE ABRIDGED INTERNATIONAL LIST OF CAUSES OF DEATH

Abridged International List Number	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
	ALL CAUSES	222	134	88	1	12	4	....	1	4	21	11	16	16	17	29	42	42	23	4	1	....
1	Typhoid and paratyphoid fever																					
2	Typhus fever																					
3	Smallpox																					
4	Measles																					
5	Scarlet fever																					
6	Whooping cough																					
7	Diphtheria	12	5	7			1			2	3	5	4									
8	Influenza	1		1													1					
9	Plague																					
10	Tuberculosis of the respiratory system	19	10	9									1	4	7	4	3					
11	Other forms of tuberculosis																					
12	Syphilis	4	4												1	1	2					
13	Malaria																					
14	Other infectious and parasitic diseases																					
15	Cancer and other malignant tumors	20	11	9	1								1	2		1	7	6	3			
16	Tumors, nonmalignant, or of which the nature is not specified	3	1	2											1	1		1				
17	Chronic rheumatism and gout																					
18	Diabetes mellitus	4	1	3													2	2				
19	Alcoholism (acute or chronic)																					
20	Other general diseases and chronic poisonings..	3	2	1										1	2							
21	Progressive locomotor ataxia and general paralysis of the insane																					
22	Cerebral hemorrhage, cerebral embolism and thrombosis	18	9	9												1	2	6	7	2		

23	Other diseases of the nervous system and of the organs of special sense	4	3	1	.....	.....	.....	.....	.....	.....	1	2	1	.....	.....	.....	.....	.....	.....
24	Diseases of the heart	52	31	21	.....	.....	.....	.....	.....	1	5	2	2	6	11	17	7	.....	1
25	Other diseases of the circulatory system	3	2	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....
26	Bronchitis	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....
27	Pneumonias	17	10	7	.....	3	3	.....	2	8	2	1	.....	.....	4	1	.....	1	.....
28	Other diseases of the respiratory system (tuberculosis excepted)	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	1	.....	.....	.....
29	Diarrhoea and enteritis	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....
30	Appendicitis	7	4	3	.....	.....	1	.....	1	.....	1	1	.....	3	1	1	.....	.....	.....
31	Diseases of the liver and biliary passages....	5	4	1	.....	.....	.....	.....	.....	.....	1	.....	.....	3	1	.....	.....	.....	.....
32	Other diseases of the digestive system	3	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2	1	.....	.....	.....	.....
33	Nephritis	11	6	5	.....	.....	.....	.....	.....	.....	.....	.....	1	3	1	3	2	1	.....
34	Other diseases of the genitourinary system .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
35	Puerperal septicemia .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
36	Other diseases of pregnancy, childbirth and the puerperal state	2	.....	2	.....	.....	.....	.....	.....	.....	.....	1	1	.....	.....	.....	.....	.....	.....
37	Diseases of the skin and cellular tissue, and of the bones and organs of locomotion	1	1	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....
38	Congenital debility and malformations, premature birth and other diseases of early infancy	9	5	4	.....	9	.....	.....	9	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
39	Senility .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
40	Suicide	7	6	1	.....	.....	.....	.....	.....	.....	.....	2	1	1	1	2	.....	.....	.....
41	Homicide	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....
42	Violent and accidental deaths (suicide and homicide excepted)	13	12	1	.....	.....	.....	.....	.....	.....	1	1	2	.....	2	2	2	3	.....
43	Cause of death not specified or ill-defined .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

Estimated population, 31,500.

Total resident deaths, 222.

Rate per 1,000 population, 7.0.

TABULATION OF DEATHS IN HACKENSACK CITY FOR 1934, ACCORDING TO THE ABRIDGED INTERNATIONAL LIST OF CAUSES OF DEATH

Abridged International List Number	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
	ALL CAUSES	231	130	101	34	12	2			1	15	2	5	8	14	19	47	45	44	29	3	
1	Typhoid and paratyphoid fever																					
2	Typhus fever																					
3	Smallpox																					
4	Measles																					
5	Scarlet fever																					
6	Whooping cough	1		1	1	1					1											
7	Diphtheria																					
8	Influenza																					
9	Plague																					
10	Tuberculosis of the respiratory system	14	9	5	5								1	4	3	2	1	2	1			
11	Other forms of tuberculosis																					
12	Syphilis	4	2	2	2	1					1			1					2			
13	Malaria																					
14	Other infectious and parasitic diseases	3	2	1			1				1						2					
15	Cancer and other malignant tumors	43	20	23	2									1	2	3	11	10	11	3	2	
16	Tumors, nonmalignant, or of which the nature is not specified	2	1	1											1		1					
17	Chronic rheumatism and gout																					
18	Diabetes mellitus	2	2													1			1			
19	Alcoholism (acute or chronic)	1	1													1						
20	Other general diseases and chronic poisonings	4	3	1	1	1					1		1			1		1				
21	Progressive locomotor ataxia and general paralysis of the insane	1	1		1											1						
22	Cerebral hemorrhage, cerebral embolism and thrombosis	23	10	13	1											2	3	6	6	6		

Rate per 1,000 population, 8.9.

TABULATION OF DEATHS IN RUTHERFORD BOROUGH FOR 1934, ACCORDING TO THE ABRIDGED INTERNATIONAL LIST OF CAUSES OF DEATH

Abridged International List Number	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
	ALL CAUSES	178	83	95	7	1	1	...	1	...	3	2	1	5	10	15	26	42	45	26	3	...
1	Typhoid and paratyphoid fever	1	...	1	1	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...
2	Typhus fever .....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3	Smallpox .....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4	Measles .....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5	Scarlet fever	1	...	1	1	...	...	...	1	...	1	...	...	...	...	...	...	...	...	...	...	...
6	Whooping cough .....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7	Diphtheria .....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
8	Influenza	1	...	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...
9	Plague .....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10	Tuberculosis of the respiratory system	4	4	...	1	...	...	...	...	...	...	...	...	1	2	...	...	1	...	...	...	...
11	Other forms of tuberculosis	1	1	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...
12	Syphilis .....	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...
13	Malaria .....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14	Other infectious and parasitic diseases	1	...	1	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...
15	Cancer and other malignant tumors	29	11	18	1	...	...	...	...	...	...	...	...	...	2	1	3	9	12	1	1	...
16	Tumors, nonmalignant, or of which the nature is not specified .....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17	Chronic rheumatism and gout .....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
18	Diabetes mellitus	6	1	5	...	...	...	...	...	...	...	...	...	...	...	1	3	1	1	...	...	...
19	Alcoholism (acute or chronic) .....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20	Other general diseases and chronic poisonings	5	3	2	...	...	...	...	...	...	...	1	...	1	1	1	...	1	...	...	...	...
21	Progressive locomotor ataxia and general paralysis of the insane .....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
22	Cerebral hemorrhage, cerebral embolism and thrombosis	11	4	7	1	...	...	...	...	...	...	...	...	...	...	...	...	3	7	1	...	...

Rate per 1,000 population, 11.2.

TABULATION OF DEATHS IN BURLINGTON COUNTY FOR 1934, ACCORDING TO THE ABRIDGED INTERNATIONAL LIST OF CAUSES OF DEATH

Abridged International List Number	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
	ALL CAUSES	1174	618	556	91	95	8	1	6	4	114	12	24	44	69	92	163	217	252	160	27	...
1	Typhoid and paratyphoid fever																					
2	Typhus fever																					
3	Smallpox																					
4	Measles	8	3	5	1		2		2	1	5	1	1						1			
5	Scarlet fever	1		1									1	1								
6	Whooping cough	1	1			1					1											
7	Diphtheria																					
8	Influenza	15	9	6								1	1	1	1	1	6	1		2	1	
9	Plague																					
10	Tuberculosis of the respiratory system	46	23	23	8								1	5	14	6	13	6	1			
11	Other forms of tuberculosis	3	1	2	3									1								
12	Syphilis	11	6	5	2	2					2			2	2	4	1					
13	Malaria																					
14	Other infectious and parasitic diseases	3	2	1		1					1			1			1					
15	Cancer and other malignant tumors	128	57	71	9									2	3	10	26	34	39	12	2	
16	Tumors, nonmalignant, or of which the nature is not specified	4	2	2											1	1	1	1				
17	Chronic rheumatism and gout																					
18	Diabetes mellitus	38	14	24	3					1	1						6	16	11	4		
19	Alcoholism (acute or chronic)	4	4											1		1	2					
20	Other general diseases and chronic poisonings..	19	7	12		2					2		2	2	1	1	5	2	3	1		
21	Progressive locomotor ataxia and general paralysis of the insane																					
22	Cerebral hemorrhage, cerebral embolism and thrombosis	99	40	59	5							1	1	1	2	3	13	26	28	24		

23	Other diseases of the nervous system and of the organs of special sense	14	8	6	1	1	1	2	2	1	2	3	2	1	1	14
24	Diseases of the heart	318	188	135	19	1	1	3	4	10	21	43	67	94	61	14
25	Other diseases of the circulatory system	30	17	13	1	1	1	1	1	3	5	1	1	9	9	2
26	Bronchitis	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1
27	Pneumonias	56	34	22	7	16	4	1	1	22	1	2	3	2	5	6
28	Other diseases of the respiratory system (tuberculosis excepted)	11	6	5	2	1	2	1	1	1	1	3	1	2	1	1
29	Diarrhoea and enteritis	9	6	3	6	1	7	1	1	1	1	1	1	1	1	1
30	Appendicitis	5	2	3	1	1	1	1	1	1	1	1	1	1	1	1
31	Diseases of the liver and biliary passages	12	6	6	1	1	1	1	1	1	1	1	1	1	1	1
32	Other diseases of the digestive system	32	19	13	2	3	1	4	1	2	2	7	6	6	3	1
33	Nephritis	123	54	69	10	1	1	1	2	2	8	13	33	34	23	3
34	Other diseases of the genitourinary system	11	8	3	1	1	1	1	1	1	1	1	1	1	1	1
35	Puerperal septicemia	4	4	1	1	1	1	1	1	1	1	1	1	1	1	1
36	Other diseases of pregnancy, childbirth and the puerperal state	7	7	1	1	1	1	1	1	1	1	1	1	1	1	1
37	Diseases of the skin and cellular tissue, and of the bones and organs of locomotion	4	2	2	1	1	1	1	1	1	1	1	1	1	1	1
38	Congenital debility and malformations, premature birth and other diseases of early infancy	52	30	22	10	52	52	52	52	52	52	52	52	52	52	52
39	Senility	15	11	4	1	1	1	1	1	1	1	1	1	1	1	1
40	Suicide	10	7	3	1	1	1	1	1	1	1	1	1	1	1	1
41	Homicide	4	2	2	1	2	1	3	1	1	1	1	1	1	1	1
42	Violent and accidental deaths (suicide and homicide excepted)	75	53	22	9	3	2	1	6	6	8	8	9	11	3	13
43	Cause of death not specified or ill-defined															

Estimated population, 95,600.

Total resident deaths, 1,174.

Rate per 1,000 population, 12.2.

TABULATION OF DEATHS IN BURLINGTON CITY FOR 1934, ACCORDING TO THE ABRIDGED INTERNATIONAL LIST OF CAUSES OF DEATH

Abridged International List Number	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
	ALL CAUSES	150	79	71	27	14	.....	.....	2	.....	16	1	3	6	11	15	20	32	28	15	3	.....
1	Typhoid and paratyphoid fever																					
2	Typhus fever																					
3	Smallpox																					
4	Measles	1		1															1			
5	Scarlet fever																					
6	Whooping cough																					
7	Diphtheria																					
8	Influenza	2	1	1											1	1						
9	Plague																					
10	Tuberculosis of the respiratory system	5	3	2	2										2	1		2				
11	Other forms of tuberculosis																					
12	Syphilis	1	1											1								
13	Malaria																					
14	Other infectious and parasitic diseases																					
15	Cancer and other malignant tumors	11	4	7	2											2	1	6	2			
16	Tumors, nonmalignant, or of which the nature is not specified																					
17	Chronic rheumatism and gout																					
18	Diabetes mellitus	10	5	5	1												3	4	3			
19	Alcoholism (acute or chronic)																					
20	Other general diseases and chronic poisonings..	1	1														1					
21	Progressive locomotor ataxia and general paralysis of the insane																					
22	Cerebral hemorrhage, cerebral embolism and thrombosis	10	5	5	2												1	4	1	4		

[illegible]

TABULATION OF DEATHS IN CAMDEN COUNTY FOR 1934, ACCORDING TO THE ABRIDGED INTERNATIONAL LIST OF CAUSES OF DEATH

Abridged International List Number	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
	ALL CAUSES	2933	1506	1427	302	216	23	25	12	12	288	40	79	118	173	302	431	609	605	258	30	...
1	Typhoid and paratyphoid fever	1		1													1					
2	Typhus fever																					
3	Smallpox																					
4	Measles	17	5	12		1	5	4		1	11	6										
5	Scarlet fever	10	5	5					2	1	5	2	3									
6	Whooping cough	10	6	4	1	7	1	1		1	10											
7	Diphtheria	5	3	2		1		2		1	4		1									
8	Influenza	26	22	4	6	1					1		1	2	5	9	3	2	1	2		
9	Plague																					
10	Tuberculosis of the respiratory system	97	53	44	19								6	20	15	23	13	14	5	1		
11	Other forms of tuberculosis	7	2	5	3				1		1		1	1	1	1	1		1			
12	Syphilis	15	10	5	7	3					3			2	2	1	3	4				
13	Malaria																					
14	Other infectious and parasitic diseases	7	4	3		1					1	3					1	2				
15	Cancer and other malignant tumors	330	128	202	16							1		4	11	48	88	98	65	12	3	...
16	Tumors, nonmalignant, or of which the nature is not specified	12	4	8	1				1		1		2	1	2	3	2				1	...
17	Chronic rheumatism and gout																					
18	Diabetes mellitus	64	21	43	7								1	1	5	3	9	28	17			
19	Alcoholism (acute or chronic)	8	6	2	1									2	1	2	1			2		
20	Other general diseases and chronic poisonings	46	25	21	6	12		2	1	1	16	1	4	1	4	5	3	9	2	1		
21	Progressive locomotor ataxia and general paralysis of the insane	13	7	6	3									1	1	1	4	4			2	...
22	Cerebral hemorrhage, cerebral embolism and thrombosis	225	101	124	19	1					1				5	12	39	62	69	34	2	...

23	Other diseases of the nervous system and of the organs of special sense	39	26	13	4	4	1	.....	.....	5	3	5	3	4	5	7	5	2	.....	.....
24	Diseases of the heart	783	406	377	51	1	.....	1	.....	2	1	9	14	26	61	113	207	238	103	9
25	Other diseases of the circulatory system	50	28	22	6	.....	.....	.....	.....	1	.....	1	.....	2	1	4	7	16	15	4
26	Bronchitis	8	4	4	1	1	.....	.....	.....	1	1	.....	1	.....	1	.....	3	.....	1	.....
27	Pneumonias	237	126	111	53	52	10	6	1	1	70	5	9	10	22	26	33	23	23	13
28	Other diseases of the respiratory system (tuberculosis excepted)	20	11	9	3	2	.....	.....	.....	2	.....	.....	1	1	4	5	4	3	.....	.....
29	Diarrhoea and enteritis	18	8	10	4	12	1	.....	1	14	2	.....	.....	1	.....	1	1	.....	.....	.....
30	Appendicitis	24	13	11	.....	2	.....	2	2	1	5	3	4	1	3	4	2	2	.....	.....
31	Diseases of the liver and biliary passages	45	16	29	2	.....	.....	.....	.....	.....	.....	3	4	3	4	8	11	9	6	3
32	Other diseases of the digestive system	63	36	27	8	3	.....	.....	1	1	5	2	2	2	9	9	10	7	11	3
33	Nephritis	347	173	172	42	1	.....	1	.....	2	.....	4	5	12	36	45	87	106	49	1
34	Other diseases of the genitourinary system	33	16	17	1	.....	.....	.....	.....	.....	.....	1	2	5	6	5	6	5	2	1
35	Puerperal septicemia	10	.....	10	3	.....	.....	.....	.....	.....	.....	.....	4	6	.....	.....	.....	.....	.....	.....
36	Other diseases of pregnancy, childbirth and the puerperal state	10	.....	10	1	.....	.....	.....	.....	.....	.....	.....	8	2	.....	.....	.....	.....	.....	.....
37	Diseases of the skin and cellular tissue, and of the bones and organs of locomotion	4	4	.....	1	.....	.....	1	.....	1	.....	1	1	.....	.....	.....	.....	.....	1	.....
38	Congenital debility and malformations, premature birth and other diseases of early infancy	111	72	39	14	110	1	.....	.....	111	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
39	Senility	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
40	Suicide	36	26	10	2	.....	.....	.....	.....	.....	.....	1	2	8	8	5	7	5	.....	.....
41	Homicide	8	4	4	2	1	.....	.....	.....	1	.....	.....	4	1	1	1	.....	.....	.....	.....
42	Violent and accidental deaths (suicide and homicide excepted)	181	130	61	14	1	4	3	2	4	14	10	22	21	16	20	22	21	28	15
43	Cause of death not specified or ill-defined	2	2	.....	1	1	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	1	.....	.....	.....

Estimated population, 262,900.

Total resident deaths, 2,933.

Rate per 1,000 population, 11.1.

TABULATION OF DEATHS IN CAMDEN CITY FOR 1934, ACCORDING TO THE ABRIDGED INTERNATIONAL LIST OF CAUSES OF DEATH

Abridged International List Number	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
	ALL CAUSES	1401	729	672	215	116	15	20	8	2	161	18	42	72	103	151	224	267	245	108	10	...
1	Typhoid and paratyphoid fever	1		1													1					
2	Typhus fever																					
3	Smallpox																					
4	Measles	9	4	5		1	4															
5	Scarlet fever	3		3																		
6	Whooping cough	5	4	1	1	3	1															
7	Diphtheria	5	3			1																
8	Influenza	14	12	2	4																	
9	Plague																					
10	Tuberculosis of the respiratory system	56	30	26	15																	
11	Other forms of tuberculosis	5	1	4	1																	
12	Syphilis	10	8	2	7	3																
13	Malaria																					
14	Other infectious and parasitic diseases	6	4	2		1					1	3					1	1				
15	Cancer and other malignant tumors	153	62	91	12							1		3	8	20	44	47	26	2	2	
16	Tumors, nonmalignant, or of which the nature is not specified	2	1	1												1	1					
17	Chronic rheumatism and gout																					
18	Diabetes mellitus	35	9	26	4									1	1	3	5	16	9			
19	Alcoholism (acute or chronic)	5	4	1	1										2	1	1		1			
20	Other general diseases and chronic poisonings	27	14	13	5	8		2	1		11		3		3	4	1	3	2			
21	Progressive locomotor ataxia and general paralysis of the insane	9	6	3	2									1	1	1	2	2		2		
22	Cerebral hemorrhage, cerebral embolism and thrombosis	111	45	66	11											3	9	21	27	28	22	1

23	Other diseases of the nervous system and of the organs of special sense	24	18	6	3	2	1	3	5	3	2	3	6	2
24	Diseases of the heart	342	172	170	35	.....	1	.....	1	1	5	13	13	26	60	91	90	40	2
25	Other diseases of the circulatory system	16	11	5	4	.....	.....	.....	.....	.....	.....	.....	2	.....	2	3	6	3	.....
26	Bronchitis	5	3	2	1	1	.....	.....	1	1	.....	1	.....	1	.....	1	.....	.....	.....
27	Pneumonias	136	75	61	40	33	4	5	.....	42	2	6	7	14	15	20	9	12	8
28	Other diseases of the respiratory system (tuberculosis excepted)	9	4	5	2	1	.....	.....	1	.....	.....	.....	1	1	3	2	1	.....	.....
29	Diarrhoea and enteritis	8	2	6	3	7	.....	.....	7	.....	.....	.....	.....	.....	.....	1	.....	.....	.....
30	Appendicitis	15	9	6	.....	.....	2	2	4	2	3	1	1	2	.....	1	1	.....	.....
31	Diseases of the liver and biliary passages	15	5	10	1	.....	.....	.....	4	.....	1	3	2	3	4	.....	.....	.....	.....
32	Other diseases of the digestive system	30	20	10	7	1	.....	1	2	1	1	5	3	7	2	.....	.....	.....	.....
33	Nephritis	159	89	70	25	1	.....	.....	1	.....	2	3	10	23	20	33	45	20	1
34	Other diseases of the genitourinary system	14	6	8	1	.....	.....	.....	1	.....	2	2	2	2	3	1	2	2	.....
35	Puerperal septicemia	3	.....	3	1	.....	.....	.....	.....	.....	1	2	.....	.....	.....	.....	.....	.....	.....
36	Other diseases of pregnancy, childbirth and the puerperal state	6	.....	6	1	.....	.....	.....	.....	.....	5	1	.....	.....	.....	.....	.....	.....	.....
37	Diseases of the skin and cellular tissue, and of the bones and organs of locomotion	3	3	.....	.....	.....	1	.....	1	.....	1	.....	.....	.....	.....	.....	.....	1	.....
38	Congenital debility and malformations, premature birth and other diseases of early infancy	53	33	20	11	52	1	.....	53	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
39	Senility	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
40	Suicide	15	9	6	1	.....	.....	.....	.....	1	1	4	3	2	3	1	.....	.....	.....
41	Homicide	5	3	2	1	.....	.....	.....	.....	.....	2	1	1	1	.....	.....	.....	.....	.....
42	Violent and accidental deaths (suicide and homicide excepted)	84	57	27	14	.....	4	3	2	1	10	5	7	9	4	12	13	9	10
43	Cause of death not specified or ill-defined	2	2	.....	1	1	.....	.....	1	.....	.....	.....	.....	.....	.....	1	.....	.....	.....

Estimated population, 119,100.

Total resident deaths, 1,401.

Rate per 1,000 population, 11.7.

TABULATION OF DEATHS IN GLOUCESTER CITY FOR 1934, ACCORDING TO THE ABRIDGED INTERNATIONAL LIST OF CAUSES OF DEATH

Abridged International List Number	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
	ALL CAUSES	179	94	85	2	15		1	1	2	19	6	4	3	9	18	20	45	36	17	2	
1	Typhoid and paratyphoid fever																					
2	Typhus fever																					
3	Smallpox																					
4	Measles	4	1	3				1		1	2	2										
5	Scarlet fever	1	1									1										
6	Whooping cough	1		1		1					1											
7	Diphtheria																					
8	Influenza	3	3												1		1	1				
9	Plague																					
10	Tuberculosis of the respiratory system	9	5	4										1		2	3	3				
11	Other forms of tuberculosis																					
12	Syphilis																					
13	Malaria																					
14	Other infectious and parasitic diseases	1		1														1				
15	Cancer and other malignant tumors	16	4	12												1	4	4	5	2		
16	Tumors, nonmalignant, or of which the nature is not specified																					
17	Chronic rheumatism and gout																					
18	Diabetes mellitus	2	1	1														1	1			
19	Alcoholism (acute or chronic)	1		1																		
20	Other general diseases and chronic poisonings	2	1	1								1		1		1						
21	Progressive locomotor ataxia and general paralysis of the insane																					
22	Cerebral hemorrhage, cerebral embolism and thrombosis	15	6	9											1		3	3	5	3		

Rate per 1,000 population, 12.7.

TABULATION OF DEATHS IN CAPE MAY COUNTY FOR 1934, ACCORDING TO THE ABRIDGED INTERNATIONAL LIST OF CAUSES OF DEATH

Abridged International List Number	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	
	ALL CAUSES	462	242	220	47	21	4				1	26	5	8	17	24	35	71	93	104	68	11	
1	Typhoid and paratyphoid fever	1	1												1								
2	Typhus fever																						
3	Smallpox																						
4	Measles	1	1				1					1											
5	Scarlet fever																						
6	Whooping cough	1	1			1						1											
7	Diphtheria	1	1									1	1										
8	Influenza	2	2															1	1				
9	Plague																						
10	Tuberculosis of the respiratory system	7	4	3	3												1	1					
11	Other forms of tuberculosis																						
12	Syphilis	3	2	1	2												2	1					
13	Malaria																						
14	Other infectious and parasitic diseases	6	3	3			1					1						1					
15	Cancer and other malignant tumors	54	23	31	6								3	1			2	11	15	17	6	1	
16	Tumors, nonmalignant, or of which the nature is not specified	1		1															1				
17	Chronic rheumatism and gout																						
18	Diabetes mellitus	20	7	13	2									1	1		1	6	5	5	1		
19	Alcoholism (acute or chronic)	1	1															1					
20	Other general diseases and chronic poisonings	4	1	3												1		1		2			
21	Progressive locomotor ataxia and general paralysis of the insane	1	1		1												1						
22	Cerebral hemorrhage, cerebral embolism and thrombosis	61	31	30	3												3	8	16	21	11	2	

23	Other diseases of the nervous system and of the organs of special sense	12	9	3	1	1	1	1	1	4	1	2	1	2	1	2	3
24	Diseases of the heart	123	70	53	8	1	1	1	1	1	1	6	7	17	28	36	26
25	Other diseases of the circulatory system	27	16	11	1	1	1	1	1	1	1	1	1	2	7	7	9
26	Bronchitis	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
27	Pneumonias	24	10	14	6	4	1	1	5	1	2	2	3	3	5	2	1
28	Other diseases of the respiratory system (tuberculosis excepted)	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1
29	Diarrhoea and enteritis	2	1	1	1	1	1	1	2	1	1	1	1	2	1	1	1
30	Appendicitis	7	4	3	1	1	1	1	1	2	1	1	1	2	1	1	1
31	Diseases of the liver and biliary passages	4	2	2	1	1	1	1	1	1	1	1	1	2	1	1	1
32	Other diseases of the digestive system	10	6	4	1	1	1	1	1	1	1	2	3	1	1	1	1
33	Nephritis	31	14	17	3	1	1	1	1	1	2	4	2	8	6	7	1
34	Other diseases of the genitourinary system	10	3	7	1	1	1	1	1	1	1	2	2	1	2	2	1
35	Puerperal septicemia	2	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1
36	Other diseases of pregnancy, childbirth and the puerperal state	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
37	Diseases of the skin and cellular tissue, and of the bones and organs of locomotion	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
38	Congenital debility and malformations, premature birth and other diseases of early infancy	11	4	7	3	11	11	11	11	1	1	1	1	1	1	2	1
39	Senility	8	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1
40	Suicide	8	4	4	1	1	1	1	1	1	1	3	3	1	1	1	1
41	Homicide	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
42	Violent and accidental deaths (suicide and homicide excepted)	20	17	3	4	2	2	2	2	1	4	1	5	4	2	1	1
43	Cause of death not specified or ill-defined	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

Estimated population, 31,200.

Total resident deaths, 462.

Rate per 1,000 population, 14.8

TABULATION OF DEATHS IN CUMBERLAND COUNTY FOR 1934, ACCORDING TO THE ABRIDGED INTERNATIONAL LIST OF CAUSES OF DEATH

Abridged International List Number	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
	ALL CAUSES	909	491	418	78	72	8	2	2	2	86	14	22	39	37	87	116	155	205	127	21	....
1	Typhoid and paratyphoid fever																					
2	Typhus fever																					
3	Smallpox																					
4	Measles	1	1						1		1											
5	Scarlet fever	2	2										2									
6	Whooping cough	4	2	2																		
7	Diphtheria	4	3	1		1				1	1	3										
8	Influenza	7	3	4		1					1	1	2					1	1	1		
9	Plague																					
10	Tuberculosis of the respiratory system	35	19	16	5		1				1			4	6	11	4	6	3			
11	Other forms of tuberculosis	4	2	2			1		1		2						1	1				
12	Syphilis	3	1	2		1					1			1	1							
13	Malaria																					
14	Other infectious and parasitic diseases	6	4	2	1							2	2	1	1							
15	Cancer and other malignant tumors	86	36	50	8									3	3	13	15	22	23	6	1	....
16	Tumors, nonmalignant, or of which the nature is not specified	2	1	1													1	1				
17	Chronic rheumatism and gout																					
18	Diabetes mellitus	25	5	20									1			1	6	12	2	2	1	....
19	Alcoholism (acute or chronic)	6	5	1	1											2	2	2				
20	Other general diseases and chronic poisonings	8	4	4		5	1				6								2			
21	Progressive locomotor ataxia and general paralysis of the insane	4	1	3													1	2		1		
22	Cerebral hemorrhage, cerebral embolism and thrombosis	103	52	51	1									1	1	7	13	23	34	23	1	....

Rate per 1,000 population, 12.7.

TABULATION OF DEATHS IN BRIDGETON CITY FOR 1934, ACCORDING TO THE ABRIDGED INTERNATIONAL LIST OF CAUSES OF DEATH

Abridged International List Number	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
	ALL CAUSES	269	140	129	20	32	2	1	...	2	37	6	5	16	13	25	29	44	56	29	9	...
1	Typhoid and paratyphoid fever																					
2	Typhus fever																					
3	Smallpox																					
4	Measles																					
5	Scarlet fever	1	1											1								
6	Whooping cough																					
7	Diphtheria	4	2	2		1				1	1	3								1		
8	Influenza	3		3		1					1		1									
9	Plague																					
10	Tuberculosis of the respiratory system	11	7	4	2									1	2	4	1	3				
11	Other forms of tuberculosis	1		1			1				1											
12	Syphilis	2	1	1		1					1			1								
13	Malaria																					
14	Other infectious and parasitic diseases																					
15	Cancer and other malignant tumors	22	8	14										1	1	5	1	6	6	2		
16	Tumors, nonmalignant, or of which the nature is not specified																					
17	Chronic rheumatism and gout																					
18	Diabetes mellitus	7	2	5													2	3		1		1
19	Alcoholism (acute or chronic)	1	1															1				
20	Other general diseases and chronic poisonings	3	1	2		2					2								1			
21	Progressive locomotor ataxia and general paralysis of the insane	2	1	1														1		1		
22	Cerebral hemorrhage, cerebral embolism and thrombosis	27	13	14											1	1	6	6	9	4		

23	Other diseases of the nervous system and of the organs of special sense	9	7	2	3	3	.....	3	.....	1	1	1	.....	1	.....	2	.....
24	Diseases of the heart	74	42	32	7	.....	.....	.....	.....	.....	2	3	.....	7	10	17	21
25	Other diseases of the circulatory system	4	2	2	2	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	1	12
26	Bronchitis .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	1
27	Pneumonias	11	4	7	4	4	.....	1	.....	.....	.....	1	.....	.....	2	.....	1
28	Other diseases of the respiratory system (tuberculosis excepted)	2	1	1	1	.....	.....	.....	.....	1	.....	1	.....	.....	.....	.....	.....
29	Diarrhoea and enteritis	2	1	1	1	1	.....	2	.....	.....	.....	.....	.....	.....	.....	.....	.....
30	Appendicitis	2	.....	2	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	1	.....
31	Diseases of the liver and biliary passages	4	3	1	1	.....	.....	.....	.....	.....	.....	2	.....	2	.....	.....	.....
32	Other diseases of the digestive system	6	2	4	.....	.....	.....	.....	.....	1	.....	1	.....	1	.....	2	.....
33	Nephritis	23	10	13	3	.....	.....	.....	.....	.....	2	.....	3	4	.....	7	3
34	Other diseases of the genitourinary system	4	3	1	1	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	1	2
35	Puerperal septicemia .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	4
36	Other diseases of pregnancy, childbirth and the puerperal state	3	.....	3	.....	.....	.....	.....	.....	.....	2	1	.....	.....	.....	.....	.....
37	Diseases of the skin and cellular tissue, and of the bones and organs of locomotion	1	.....	1	1	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....
38	Congenital debility and malformations, premature birth and other diseases of early infancy	19	12	7	2	19	.....	19	.....	.....	.....	.....	.....	.....	.....	.....	.....
39	Senility	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....
40	Suicide	3	3	.....	.....	.....	.....	.....	.....	.....	1	.....	1	.....	1	.....	.....
41	Homicide	1	1	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....
42	Violent and accidental deaths (suicide and homicide excepted)	16	11	5	1	1	.....	1	.....	1	1	3	.....	3	1	1	4
43	Cause of death not specified or ill-defined .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

Estimated population, 15,900.

Total resident deaths, 269.

Rate per 1,000 population, 16.9.

TABULATION OF DEATHS IN MILLVILLE CITY FOR 1934, ACCORDING TO THE ABRIDGED INTERNATIONAL LIST OF CAUSES OF DEATH

Abridged International List Number	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	
	ALL CAUSES	202	112	90	5	13	1				14	2	6	5	8	19	24	46	45	29	4	...	
1	Typhoid and paratyphoid fever																						
2	Typhus fever																						
3	Smallpox																						
4	Measles																						
5	Scarlet fever	1	1										1										
6	Whooping cough																						
7	Diphtheria																						
8	Influenza																						
9	Plague																						
10	Tuberculosis of the respiratory system	5	4	1												3							
11	Other forms of tuberculosis	1		1														1					
12	Syphilis	1		1											1								
13	Malaria																						
14	Other infectious and parasitic diseases	2	2									1	1										
15	Cancer and other malignant tumors	26	8	18	2									2	1	1	5	7	6	3	1		
16	Tumors, nonmalignant, or of which the nature is not specified	1	1														1						
17	Chronic rheumatism and gout																						
18	Diabetes mellitus	5	2	3												1	1	3					
19	Alcoholism (acute or chronic)	1	1													1							
20	Other general diseases and chronic poisonings	1	1			1					1												
21	Progressive locomotor ataxia and general paralysis of the insane																						
22	Cerebral hemorrhage, cerebral embolism and thrombosis	32	17	15												3	2	10	8	8	1	...	

Rate per 1,000 population, 13.7.

TABULATION OF DEATHS IN ESSEX COUNTY FOR 1934, ACCORDING TO THE ABRIDGED INTERNATIONAL LIST OF CAUSES OF DEATH

Abridged International List Number	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
	ALL CAUSES	8643	4523	4120	996	489	72	33	31	18	643	82	211	403	602	1078	1434	1846	1576	671	97	....
1	Typhoid and paratyphoid fever	4	2	2	2								1	1	1		1					
2	Typhus fever																					
3	Smallpox																					
4	Measles	2	2		1		2															
5	Scarlet fever	5	3				1	1	1							1						
6	Whooping cough	8	3	5	3	4	3	1														
7	Diphtheria	1		1					1													
8	Influenza	40	23	17	5	1	2				3		5	2	6		5	6	7	5		1
9	Plague																					
10	Tuberculosis of the respiratory system	502	292	210	173	1	5	2	2		10		34	126	113	98	62	46	12	1		
11	Other forms of tuberculosis	46	28	18	15	1	3	3	1		8		1	2	15	8	4	4	3		1	
12	Syphilis	79	52	27	44	8	1				9		2	5	7	22	16	14	4			
13	Malaria																					
14	Other infectious and parasitic diseases	42	18	24	6	4	5	1		1	11		6	6	7	4	2	5	1			
15	Cancer and other malignant tumors	1028	472	556	55		2		1	1	4		2	5	7	42	139	263	285	219	58	4
16	Tumors, nonmalignant, or of which the nature is not specified	47	16	31	6				2		2		2	4	14	14	7	3	1			
17	Chronic rheumatism and gout	7	4	3										1		2	1	2		1		
18	Diabetes mellitus	237	75	162	14								3	5	4	22	46	85	59	13		
19	Alcoholism (acute or chronic)	17	12	5	3									1	3	10	3					
20	Other general diseases and chronic poisonings	121	44	77	8	7	1	2	2	2	14		6	13	11	14	20	23	12	6	1	1
21	Progressive locomotor ataxia and general paralysis of the insane	37	28	9	10								1		2	4	7	13	5	3	2	
22	Cerebral hemorrhage, cerebral embolism and thrombosis	643	269	374	52	1					1		1		4	10	63	112	176	181	85	10

23	Other diseases of the nervous system and of the organs of special sense	110	55	55	14	8	5	3	1	1	18	7	8	10	11	15	13	12	12	3	1	.....
24	Diseases of the heart	2409	1327	1082	175	2	.....	.....	.....	1	3	6	26	45	87	249	397	656	605	299	36	.....
25	Other diseases of the circulatory system	165	96	69	16	.....	.....	.....	.....	.....	.....	.....	.....	1	5	16	27	36	48	27	5	.....
26	Bronchitis	36	17	19	2	2	1	1	.....	.....	4	.....	1	2	3	1	5	9	3	5	2	.....
27	Pneumonias	569	329	240	106	78	23	7	8	3	119	9	15	28	56	84	73	78	78	21	8	.....
28	Other diseases of the respiratory system (tuberculosis excepted)	58	39	19	8	.....	.....	1	2	1	4	.....	3	3	9	6	13	7	9	3	1	.....
29	Diarrhoea and enteritis	62	35	27	13	39	3	.....	1	.....	43	.....	1	5	4	3	.....	4	.....	.....	.....	.....
30	Appendicitis	136	79	57	15	.....	1	1	2	1	5	7	18	16	15	25	26	16	6	2	.....
31	Diseases of the liver and biliary passages	162	73	89	6	1	.....	.....	.....	.....	1	1	1	5	16	28	34	43	26	6	1	.....
32	Other diseases of the digestive system	191	100	91	19	8	3	1	1	1	14	3	6	5	16	39	46	27	27	7	1	.....
33	Nephritis	705	319	386	61	.....	.....	.....	.....	.....	.....	1	7	11	30	66	122	187	170	98	13	.....
34	Other diseases of the genitourinary system	92	60	32	15	2	.....	1	.....	.....	3	1	1	5	6	12	14	25	19	5	1	.....
35	Puerperal septicemia	16	.....	16	5	.....	.....	.....	.....	.....	.....	.....	1	5	8	2	.....	.....	.....	.....	.....	.....
36	Other diseases of pregnancy, childbirth and the puerperal state	28	.....	28	2	.....	.....	.....	.....	.....	.....	.....	1	11	15	1	.....	.....	.....	.....	.....	.....
37	Diseases of the skin and cellular tissue, and of the bones and organs of locomotion	31	17	14	5	2	1	.....	.....	.....	3	3	4	2	5	3	6	3	1	.....	1	.....
38	Congenital debility and malformations, premature birth and other diseases of early infancy	319	181	138	54	314	2	2	.....	.....	318	1	.....	.....	.....	.....	.....	3	6	8	4	.....
39	Senility	21	12	9	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
40	Suicide	141	97	44	3	.....	.....	.....	.....	.....	.....	.....	5	11	33	30	26	21	14	1	.....	.....
41	Homicide	34	20	14	17	.....	.....	.....	.....	.....	.....	.....	5	9	8	6	3	3	.....	.....	.....	.....
42	Violent and accidental deaths (suicide and homicide excepted)	487	321	166	60	6	8	6	6	6	32	27	35	39	41	80	69	73	59	25	7	.....
43	Cause of death not specified or ill-defined	5	3	2	1	.....	.....	.....	.....	.....	.....	1	.....	.....	1	1	1	.....	1	.....	.....	.....

Estimated population, 864,500.

Total resident deaths, 8,643.

Rate per 1,000 population, 9.9.

TABULATION OF DEATHS IN BELLEVILLE TOWN FOR 1934, ACCORDING TO THE ABRIDGED INTERNATIONAL LIST OF CAUSES OF DEATH

Abridged International List Number	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
	ALL CAUSES	259	139	120	13	16	3	3	1	...	23	3	3	15	23	27	39	53	45	26	2	...
1	Typhoid and paratyphoid fever	1	1											1								
2	Typhus fever																					
3	Smallpox																					
4	Measles	1	1				1				1											
5	Scarlet fever																					
6	Whooping cough	1		1		1					1											
7	Diphtheria																					
8	Influenza	1		1	1									1								
9	Plague																					
10	Tuberculosis of the respiratory system	16	6	10	2			1			1		1	7	1	2	2	1	1			
11	Other forms of tuberculosis																					
12	Syphilis	4	3	1	2									1			1	2				
13	Malaria																					
14	Other infectious and parasitic diseases	2		2										1	1							
15	Cancer and other malignant tumors	26	16	10										1	4	2	3	9	5	2		
16	Tumors, nonmalignant, or of which the nature is not specified	2	1	1												1	1					
17	Chronic rheumatism and gout																					
18	Diabetes mellitus	9	2	7														5	4			
19	Alcoholism (acute or chronic)																					
20	Other general diseases and chronic poisonings	5	1	4								2			2	1						
21	Progressive locomotor ataxia and general paralysis of the insane	2	2									1		1								
22	Cerebral hemorrhage, cerebral embolism and thrombosis	15	8	7	3											2	4	5	2	2		

Rate per 1,000 population, 8.9.

TABULATION OF DEATHS IN BLOOMFIELD TOWN FOR 1934, ACCORDING TO THE ABRIDGED INTERNATIONAL LIST OF CAUSES OF DEATH

Abridged International List Number	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
	ALL CAUSES	364	183	181	10	16	2	...	...	2	20	4	10	13	22	45	52	67	81	43	7	...
1	Typhoid and paratyphoid fever																					
2	Typhus fever																					
3	Smallpox																					
4	Measles																					
5	Scarlet fever																					
6	Whooping cough	1		1	1	1				1												
7	Diphtheria			1									1									
8	Influenza	1																				
9	Plague																					
10	Tuberculosis of the respiratory system	15	8	7	2									5	3	2	3	2				
11	Other forms of tuberculosis	2		2										1	1	1	2					
12	Syphilis	3	2	1	1																	
13	Malaria	2														1						
14	Other infectious and parasitic diseases															1		1				
15	Cancer and other malignant tumors	32	16	16	1											6	6	5	10	5		
16	Tumors, nonmalignant, or of which the nature is not specified	2		2											1	1						
17	Chronic rheumatism and gout																					
18	Diabetes mellitus	11	2	9												1	2	3	4	1		
19	Alcoholism (acute or chronic)																					
20	Other general diseases and chronic poisonings	6	3	3			1				1			1	1		1		1			
21	Progressive locomotor ataxia and general paralysis of the insane	3	3												1	1				1		
22	Cerebral hemorrhage, cerebral embolism and thrombosis	32	13	19													2	9	13	8		

Rate per 1,000 population, 8.9.

TABULATION OF DEATHS IN EAST ORANGE CITY FOR 1934, ACCORDING TO THE ABRIDGED INTERNATIONAL LIST OF CAUSES OF DEATH

Abridged International List Number	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
	ALL CAUSES	726	325	401	67	28	2	1	2	...	33	2	9	26	35	70	119	157	169	95	11	...
1	Typhoid and paratyphoid fever																					
2	Typhus fever																					
3	Smallpox																					
4	Measles																					
5	Scarlet fever	1	1													1						
6	Whooping cough																					
7	Diphtheria																					
8	Influenza	5	4	1	1											1		1	2			
9	Plague																					
10	Tuberculosis of the respiratory system	28	12	16	13								4	4	4	8	3	3	1	1		
11	Other forms of tuberculosis	3	3				1				1			1		1						
12	Syphilis	2	1	1												1			1			
13	Malaria																					
14	Other infectious and parasitic diseases	4	2	2	1		1				1			1			1	1				
15	Cancer and other malignant tumors	97	30	67	10								1	1	5	8	32	24	19	7		
16	Tumors, nonmalignant, or of which the nature is not specified	5	...	5	1				1		1				1	2			1			
17	Chronic rheumatism and gout	2	1	1												1		1				
18	Diabetes mellitus	19	5	14												1	2	6	7	3		
19	Alcoholism (acute or chronic)	1	1													1	1					
20	Other general diseases and chronic poisonings	8	2	6	1								1	1		2	1		3			
21	Progressive locomotor ataxia and general paralysis of the insane	1		1													1					
22	Cerebral hemorrhage, cerebral embolism and thrombosis	72	20	52	9											5	10	18	25	12	2	...

Rate per 1,000 population, 10.2.

TABULATION OF DEATHS IN IRVINGTON TOWN FOR 1934, ACCORDING TO THE ABRIDGED INTERNATIONAL LIST OF CAUSES OF DEATH

Abridged International List Number	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	
	ALL CAUSES	501	269	232	3	20	4	1	1	3	29	9	6	15	29	54	96	119	97	44	3	...	
1	Typhoid and paratyphoid fever																						
2	Typhus fever																						
3	Smallpox																						
4	Measles																						
5	Scarlet fever	1		1				1			1												
6	Whooping cough																						
7	Diphtheria																						
8	Influenza	3	1	2			1				1		1		1								
9	Plague																						
10	Tuberculosis of the respiratory system	18	9	9			1				1			6	2	5	2	2					
11	Other forms of tuberculosis																						
12	Syphilis																						
13	Malaria																						
14	Other infectious and parasitic diseases	4	1	3		1					1			1	1			1					
15	Cancer and other malignant tumors	80	39	41											2	7	14	29	21	6	1	...	
16	Tumors, nonmalignant, or of which the nature is not specified	6	2	4												5		1					
17	Chronic rheumatism and gout																						
18	Diabetes mellitus	12	5	7												1	3	3	5				
19	Alcoholism (acute or chronic)	1	1		1											1							
20	Other general diseases and chronic poisonings..	8	3	5						1	1	1		1	1	2	1	1					
21	Progressive locomotor ataxia and general paralysis of the insane	3	3												1		1		1				
22	Cerebral hemorrhage, cerebral embolism and thrombosis	33	12	21												2	8	14	6	3		...	

23	Other diseases of the nervous system and of the organs of special sense	13	10	3	.....	1	1	.....	2	2	1	2	1	3	.....	2	.....
24	Diseases of the heart	134	78	56	1	.....	.....	.....	.....	1	1	1	2	13	29	31	33
25	Other diseases of the circulatory system	11	5	6	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	2	3	2
26	Bronchitis	2	.....	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	1	.....
27	Pneumonias	27	18	9	.....	8	1	.....	1	5	1	1	2	5	3	4	2
28	Other diseases of the respiratory system (tuberculosis excepted)	2	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	1	.....	.....
29	Diarrhoea and enteritis	1	1	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....
30	Appendicitis	7	4	3	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	3	1	1
31	Diseases of the liver and biliary passages	18	7	11	.....	.....	.....	.....	.....	.....	.....	.....	3	2	5	4	4
32	Other diseases of the digestive system	9	4	5	.....	.....	.....	.....	.....	.....	.....	.....	.....	3	2	2	.....
33	Nephritis	57	31	20	1	.....	.....	.....	.....	.....	.....	1	.....	5	12	19	10
34	Other diseases of the genitourinary system	3	2	1	.....	.....	.....	.....	.....	.....	1	.....	.....	1	.....	.....	10
35	Puerperal septicemia	1	.....	1	.....	.....	.....	.....	.....	.....	.....	1	.....	1	.....	.....	.....
36	Other diseases of pregnancy, childbirth and the puerperal state	1	.....	1	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....
37	Diseases of the skin and cellular tissue, and of the bones and organs of locomotion	1	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....
38	Congenital debility and malformations, premature birth and other diseases of early infancy	14	10	4	.....	14	.....	.....	14	.....	.....	.....	.....	.....	.....	.....	.....
39	Senility .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
40	Suicide	6	3	3	.....	.....	.....	.....	.....	.....	.....	1	2	1	1	1	.....
41	Homicide	2	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2	.....	.....	.....
42	Violent and accidental deaths (suicide and homicide excepted)	23	17	6	.....	1	.....	.....	2	3	2	2	1	1	2	3	4
43	Cause of death not specified or ill-defined .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

Estimated population, 62,100.

Total resident deaths, 501.

Rate per 1,000 population, 8.0.

TABULATION OF DEATHS IN MONTCLAIR TOWN FOR 1934, ACCORDING TO THE ABRIDGED INTERNATIONAL LIST OF CAUSES OF DEATH

Abridged International List Number	CAUSE OF DEATH	Male	Total	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
	ALL CAUSES	407	192	215	68	16	2	2	1	1	22	1	11	18	24	48	65	82	82	43	11	...
1	Typhoid and paratyphoid fever																					
2	Typhus fever																					
3	Smallpox																					
4	Measles																					
5	Scarlet fever																					
6	Whooping cough	1		1	1			1			1											
7	Diphtheria													1							1	
8	Influenza	2	2																			
9	Plague																					
10	Tuberculosis of the respiratory system	20	9	11	11		1				1		4	6	4	1	1	1	2			
11	Other forms of tuberculosis	3		3	1			1			1			1		1	1					
12	Syphilis	4	2	2	3	1					1				1	1	1					
13	Malaria													2	1							
14	Other infectious and parasitic diseases	4	1	3	3	1					1		1	2	1	3	14	15	9	9	5	
15	Cancer and other malignant tumors	56	22	34	9																	
16	Tumors, nonmalignant, or of which the nature is not specified	1	1						1		1											
17	Chronic rheumatism and gout																					
18	Diabetes mellitus	12	2	10	3								1	1		2	1	3	4			
19	Alcoholism (acute or chronic)																					
20	Other general diseases and chronic poisonings	5	2	3										1		1	1	2				
21	Progressive locomotor ataxia and general paralysis of the insane	1	1													1						
22	Cerebral hemorrhage, cerebral embolism and thrombosis	33	16	17	1												9	8	5	8	3	...

23	Other diseases of the nervous system and of the organs of special sense	5	2	3	4	3	1	4	1	1	6	10	18	34	36	19	2
24	Diseases of the heart	126	68	58	12	1	1	1	1	1	1	1	1	2	1	1	1
25	Other diseases of the circulatory system	4	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1
26	Bronchitis	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
27	Pneumonias	18	13	5	4	2	1	3	1	1	1	3	2	3	4	1	1
28	Other diseases of the respiratory system (tuberculosis excepted)	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1
29	Diarrhoea and enteritis	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1
30	Appendicitis	8	6	2	1	1	1	1	1	1	1	1	1	1	1	1	1
31	Diseases of the liver and biliary passages....	6	2	4	1	1	1	1	1	1	1	1	1	1	1	1	1
32	Other diseases of the digestive system	7	2	5	1	1	1	1	1	1	1	1	1	1	1	1	1
33	Nephritis	43	16	27	5	1	1	1	2	2	4	4	8	10	9	4	4
34	Other diseases of the genitourinary system	6	4	2	1	1	1	1	1	1	1	1	1	2	1	1	1
35	Puerperal septicemia	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1
36	Other diseases of pregnancy, childbirth and the puerperal state	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1
37	Diseases of the skin and cellular tissue, and of the bones and organs of locomotion	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
38	Congenital debility and malformations, premature birth and other diseases of early infancy	8	3	5	1	1	1	1	1	1	1	1	1	1	1	1	1
39	Senility	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
40	Suicide	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
41	Homicide	23	12	11	5	1	1	1	1	1	1	1	1	1	1	1	1
42	Violent and accidental deaths (suicide and homicide excepted)	23	12	11	5	1	1	1	1	1	1	1	1	1	1	1	1
43	Cause of death not specified or ill-defined	23	12	11	5	1	1	1	1	1	1	1	1	1	1	1	1

Estimated population, 44,300.

Total resident deaths, 407.

Rate per 1,000 population, 9.1.

TABULATION OF DEATHS IN NEWARK CITY FOR 1934, ACCORDING TO THE ABRIDGED INTERNATIONAL LIST OF CAUSES OF DEATH

Abridged International List Number	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	
	ALL CAUSES	4817	2663	2154	734	319	51	21	18	8	417	51	147	253	364	682	825	1037	749	251	41	...	
1	Typhoid and paratyphoid fever	2	1	1	2								1	1									
2	Typhus fever																						
3	Smallpox										1												
4	Measles	1	1		1						1												
5	Scarlet fever	2	2								1												
6	Whooping cough	5	3	2	1	2					5												
7	Diphtheria	1		1	1				1		1												
8	Influenza	22	13	9	3	1	1				2		3	1	3	3	4	5	1				
9	Plague																						
10	Tuberculosis of the respiratory system	317	204	113	126	1	12		2		5		24	73	76	64	40	29	6				
11	Other forms of tuberculosis	30	22	8	12	1	1	1	1		5	1	1	9	6	3	2	3					
12	Syphilis	61	41	20	35	6	1				7		2	4	6	19	12	9	2				
13	Malaria																						
14	Other infectious and parasitic diseases	18	9	9	2	2	3	1		1	7		4	1	2	1	1	1					
15	Cancer and other malignant tumors	522	254	268	26				1	1	2	1	1	4	23	78	151	148	88	23	3		
16	Tumors, nonmalignant, or of which the nature is not specified	24	10	14	4								2	4	4	9	2	3					
17	Chronic rheumatism and gout	4	2	2												1	1		1				
18	Diabetes mellitus	131	46	85	9								2	3	4	14	28	47	25	8			
19	Alcoholism (acute or chronic)	12	8	4	2									1	3	6	2						
20	Other general diseases and chronic poisonings..	63	26	37	7	5		2	2	1	10	3	8	6	8	11	10	4	2		1		
21	Progressive locomotor ataxia and general paralysis of the insane	20	13	7	8									1	2	4	7	4	1	1			
22	Cerebral hemorrhage, cerebral embolism and thrombosis	347	160	187	33	1					1			4	8	45	59	98	94	36	2		

23	Other diseases of the nervous system and of the organs of special sense	62	37	25	9	3	1	3	1	1	9	4	4	6	7	9	8	8	4	3	.....
24	Diseases of the heart	1284	720	564	134	2	.....	.....	.....	.....	2	5	20	22	54	156	243	366	288	106	12
25	Other diseases of the circulatory system	97	61	36	13	.....	.....	.....	.....	.....	2	.....	1	1	4	9	18	23	26	11	5
26	Bronchitis	14	8	6	2	2	.....	.....	.....	.....	2	.....	1	.....	2	1	.....	4	2	2	.....
27	Pneumonias	332	192	140	81	55	21	6	6	2	90	6	10	19	24	53	42	46	32	5	5
28	Other diseases of the respiratory system (tuberculosis excepted)	32	26	6	7	.....	.....	1	.....	.....	1	.....	2	2	8	3	6	5	3	1	1
29	Diarrhoea and enteritis	45	26	19	11	30	2	.....	.....	.....	32	1	.....	2	4	3	.....	3	.....	.....	.....
30	Appendicitis	86	48	38	14	.....	.....	1	1	2	.....	4	17	10	10	14	16	9	3	1	.....
31	Diseases of the liver and biliary passages	84	43	41	5	.....	.....	.....	.....	.....	.....	.....	4	10	17	18	22	9	3	1	.....
32	Other diseases of the digestive system	107	61	46	15	4	3	1	.....	.....	8	3	4	4	12	24	24	13	12	2	1
33	Nephritis	369	176	193	45	.....	.....	.....	.....	.....	.....	1	5	5	20	39	68	108	88	32	3
34	Other diseases of the genitourinary system	60	41	19	12	2	.....	1	.....	.....	3	1	.....	5	4	8	6	18	12	2	1
35	Puerperal septicemia	12	.....	12	3	.....	.....	.....	.....	.....	.....	.....	1	4	5	2	.....	.....	.....	.....	.....
36	Other diseases of pregnancy, childbirth and the puerperal state	16	.....	16	2	.....	.....	.....	.....	.....	.....	.....	1	8	6	1	.....	.....	.....	.....	.....
37	Diseases of the skin and cellular tissue, and of the bones and organs of locomotion	19	9	10	4	2	1	.....	.....	.....	3	2	3	2	2	2	3	1	1	.....	.....
38	Congenital debility and malformations, premature birth and other diseases of early infancy	200	114	86	43	196	1	2	.....	199	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....
39	Senility	15	9	6	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3	5	4	3
40	Suicide	79	59	20	3	.....	.....	.....	.....	.....	.....	.....	4	6	18	19	12	12	8	.....	.....
41	Homicide	25	15	10	15	.....	.....	.....	.....	.....	.....	.....	4	8	6	5	.....	2	.....	.....	.....
42	Violent and accidental deaths (suicide and homicide excepted)	293	201	92	42	4	8	3	3	1	19	16	23	22	23	58	41	43	34	11	3
43	Cause of death not specified or ill-defined	4	2	2	1	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	1	1	.....	1	.....	.....

Estimated population, 447,000.

Total resident deaths, 4,817.

Rate per 1,000 population, 10.7.

TABULATION OF DEATHS IN NUTLEY TOWN FOR 1934, ACCORDING TO THE ABRIDGED INTERNATIONAL LIST OF CAUSES OF DEATH

Abridged International List Number	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
	ALL CAUSES	167	76	91	3	8	3	...	3	...	14	2	2	5	7	24	26	36	37	12	2	...
1	Typhoid and paratyphoid fever																					
2	Typhus fever																					
3	Smallpox																					
4	Measles																					
5	Scarlet fever																					
6	Whooping cough																					
7	Diphtheria																					
8	Influenza																					
9	Plague																					
10	Tuberculosis of the respiratory system	11	6	5			1				1			2		5	2	1				
11	Other forms of tuberculosis	1		1										1								
12	Syphilis																					
13	Malaria																					
14	Other infectious and parasitic diseases	2	1	1			1				1					1						
15	Cancer and other malignant tumors	17	6	11											1	4	4	2	6			
16	Tumors, nonmalignant, or of which the nature is not specified	2		2													2					
17	Chronic rheumatism and gout																					
18	Diabetes mellitus	5		5												1		3	1			
19	Alcoholism (acute or chronic)																					
20	Other general diseases and chronic poisonings..	1		1												1						
21	Progressive locomotor ataxia and general paralysis of the insane																					
22	Cerebral hemorrhage, cerebral embolism and thrombosis	13	5	8								1				2	3	3	1	3		

Rate per 1,000 population, 7.4.

TABULATION OF DEATHS IN ORANGE CITY FOR 1934, ACCORDING TO THE ABRIDGED INTERNATIONAL LIST OF CAUSES OF DEATH

Abridged International List Number	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
	ALL CAUSES	405	191	214	83	24	3	2	3	2	34	6	7	18	29	40	64	80	79	43	5	...
1	Typhoid and paratyphoid fever																					
2	Typhus fever																					
3	Smallpox																					
4	Measles																					
5	Scarlet fever																					
6	Whooping cough																					
7	Diphtheria																					
8	Influenza	3	1	2												2				1		
9	Plague																					
10	Tuberculosis of the respiratory system	23	12	11	16						1			1	5	8	6	1	1			
11	Other forms of tuberculosis	3	1	2	2											2		1				
12	Syphilis	3	2	1	1	1					1								2			
13	Malaria																					
14	Other infectious and parasitic diseases	1	1													1						
15	Cancer and other malignant tumors	54	19	35	8		1				1	1	1	1		4	13	17	13	3		
16	Tumors, nonmalignant, or of which the nature is not specified	1		1											1							
17	Chronic rheumatism and gout																					
18	Diabetes mellitus	5	1	4	2											1	2	1	1			
19	Alcoholism (acute or chronic)	1	1													1						
20	Other general diseases and chronic poisonings..	8	4	4		1					1		1			1	3	2				
21	Progressive locomotor ataxia and general paralysis of the insane	3	3		1											1	2					
22	Cerebral hemorrhage, cerebral embolism and thrombosis	25	11	14	5										2	2	3	4	12	1	1	...

Rate per 1,000 population, 11.3.

TABULATION OF DEATHS IN SOUTH ORANGE VILLAGE FOR 1934, ACCORDING TO THE ABRIDGED INTERNATIONAL LIST OF CAUSES OF DEATH

Abridged International List Number	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
	ALL CAUSES	137	62	75	5	3	1	.....	1	5	.....	1	4	5	6	19	38	41	14	4	...
1	Typhoid and paratyphoid fever																					
2	Typhus fever																					
3	Smallpox																					
4	Measles																					
5	Scarlet fever																					
6	Whooping cough																					
7	Diphtheria																					
8	Influenza																					
9	Plague																					
10	Tuberculosis of the respiratory system	3	1	2									1		1		1					
11	Other forms of tuberculosis																					
12	Syphilis	1		1	1													1				
13	Malaria																					
14	Other infectious and parasitic diseases	1		1									1									
15	Cancer and other malignant tumors	22	9	13			1		1						3	1	8	7	2			
16	Tumors, nonmalignant, or of which the nature is not specified																					
17	Chronic rheumatism and gout																					
18	Diabetes mellitus	4	1	3												1	1	2				
19	Alcoholism (acute or chronic)																					
20	Other general diseases and chronic poisonings..	1		1									1									
21	Progressive locomotor ataxia and general paralysis of the insane																					
22	Cerebral hemorrhage, cerebral embolism and thrombosis	18	7	11	1											6	5	3	4			

Rate per 1,000 population, 9.3.

TABULATION OF DEATHS IN WEST ORANGE TOWN FOR 1934, ACCORDING TO THE ABRIDGED INTERNATIONAL LIST OF CAUSES OF DEATH

Abridged International List Number	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
	ALL CAUSES	217	104	113	1	9	1	.....	.....	1	11	2	5	14	15	13	32	61	38	25	1	.....
1	Typhoid and paratyphoid fever .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
2	Typhus fever .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
3	Smallpox .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
4	Measles .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
5	Scarlet fever .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
6	Whooping cough .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
7	Diphtheria .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
8	Influenza .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
9	Plague .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
10	Tuberculosis of the respiratory system	9	5	4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
11	Other forms of tuberculosis .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
12	Syphilis	1	1	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
13	Malaria .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
14	Other infectious and parasitic diseases .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
15	Cancer and other malignant tumors	28	14	14	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
16	Tumors, nonmalignant, or of which the nature is not specified .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
17	Chronic rheumatism and gout .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
18	Diabetes mellitus	7	3	4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
19	Alcoholism (acute or chronic)	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
20	Other general diseases and chronic poisonings	4	.....	4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
21	Progressive locomotor ataxia and genera l paralysis of the insane	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
22	Cerebral hemorrhage, cerebral embolism and thrombosis	15	2	13	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

Rate per 1,000 population, 8.4.

TABULATION OF DEATHS IN GLOUCESTER COUNTY FOR 1934, ACCORDING TO THE ABRIDGED INTERNATIONAL LIST OF CAUSES OF DEATH

Abridged International List Number	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	
	ALL CAUSES	860	484	376	99	54	11	1	3	2	71	16	23	42	45	72	112	154	192	110	23	...	
1	Typhoid and paratyphoid fever	1	1													1							
2	Typhus fever																						
3	Smallpox																						
4	Measles																						
5	Scarlet fever	5	1	4			1		1	1	3	2											
6	Whooping cough	3	2	1		3					3												
7	Diphtheria	2		2								1	1										
8	Influenza	12	6	6	2	1					1	1	1	2		1		2	3	1			
9	Plague																						
10	Tuberculosis of the respiratory system	33	18	15	8								2	6	7	5	8	2	1	2			
11	Other forms of tuberculosis	3	3		1									1		2							
12	Syphilis	4	4		1										1	2		1					
13	Malaria																						
14	Other infectious and parasitic diseases	3	2	1										1		1		1					
15	Cancer and other malignant tumors	97	37	60	7								1		5	14	20	20	26	11			
16	Tumors, nonmalignant, or of which the nature is not specified	3		3											1	1			1				
17	Chronic rheumatism and gout																						
18	Diabetes mellitus	18	8	10	3										1		3	8	3	2	1		
19	Alcoholism (acute or chronic)	2	2																				
20	Other general diseases and chronic poisonings	13	5	8	1						1	1	3			1	2	3	2				
21	Progressive locomotor ataxia and general paralysis of the insane	2	1	1														1	1				
22	Cerebral hemorrhage, cerebral embolism and thrombosis	70	37	33	5										1	1	4	7	16	25	13	3	

Rate per 1,000 population, 11.5.

TABULATION OF DEATHS IN HUDSON COUNTY FOR 1934, ACCORDING TO THE ABRIDGED INTERNATIONAL LIST OF CAUSES OF DEATH

List Number Abridged International	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
	ALL CAUSES	6946	3812	3134	273	422	49	40	37	33	581	87	180	338	495	881	1274	1533	1164	376	37	...
1	Typhoid and paratyphoid fever	1	1											1								
2	Typhus fever																					
3	Smallpox																					
4	Measles	1	1			1					1											
5	Scarlet fever	8	4	4			1		2	1		3		1								
6	Whooping cough	15	8	7	1	9	4	2			15											
7	Diphtheria	13	5	8		1	2	3	2	2	10	3										
8	Influenza	38	18	20	1	2	1		1		4	2	3	1	5	8	3	3	7	2		
9	Plague																					
10	Tuberculosis of the respiratory system	376	231	145	44			1	1		2	1	20	77	87	94	63	25	6	1		
11	Other forms of tuberculosis	31	14	17	7	1	4	1		1	7	2	4	6	3	6	3					
12	Syphilis	40	35	5	8	5	1				6			4	3	8	15	4				
13	Malaria																					
14	Other infectious and parasitic diseases	38	22	16	4	3	3	2	1	2	11	2	2	5	2	3	6	5	2			
15	Cancer and other malignant tumors	842	450	392	20		2	1		1	4	1	7	12	29	123	216	261	158	29	2	
16	Tumors, nonmalignant, or of which the nature is not specified	49	16	33	2			1			1	1	2	4	11	17	10	2	1			
17	Chronic rheumatism and gout	3	1	2													1		2			
18	Diabetes mellitus	191	51	140	3								1		4	16	42	83	42	3		
19	Alcoholism (acute or chronic)	17	12	5										2	7	2	6					
20	Other general diseases and chronic poisonings	98	42	56	3	6	2	2	2	6	18	6	10	13	9	13	12	12	4	1		
21	Progressive locomotor ataxia and general paralysis of the insane	38	34	4	5							1		1	4	8	15	7	2			
22	Cerebral hemorrhage, cerebral embolism and thrombosis	468	211	257	17				1		1		3	5	15	45	94	141	125	37	2	

23	Other diseases of the nervous system and of the organs of special sense	110	61	49	7	14	3	2	2	2	23	3	9	14	13	15	12	13	8	...	...	...
24	Diseases of the heart	2105	1154	951	59	...	...	...	3	...	3	9	43	52	92	215	411	594	484	186	16	...
25	Other diseases of the circulatory system	98	51	47	3	1	...	...	...	...	1	...	1	...	1	15	23	28	16	3	...	...
26	Bronchitis	20	9	11	...	1	...	1	...	...	2	...	1	...	1	2	3	2	5	3	1	...
27	Pneumonias	510	287	223	36	68	10	14	7	3	102	10	13	17	42	72	71	79	74	29	1	...
28	Other diseases of the respiratory system (tuberculosis excepted)	55	34	21	2	1	1	1	...	1	4	1	3	4	6	11	10	10	4	...	2	...
29	Diarrhoea and enteritis	80	54	26	7	52	4	1	2	2	61	5	...	4	2	3	...	5	...	...	...	...
30	Appendicitis	73	43	30	1	1	2	1	2	2	8	5	12	5	10	14	11	6	2	...	...	...
31	Diseases of the liver and biliary passages	128	78	50	...	...	1	...	...	...	1	...	...	3	8	20	43	32	19	2	...	...
32	Other diseases of the digestive system	162	98	64	3	5	1	2	1	...	9	4	4	9	19	26	31	31	26	3	...	...
33	Nephritis	426	204	222	12	...	...	...	1	1	2	1	5	11	24	46	83	110	100	39	5	...
34	Other diseases of the genitourinary system	93	55	38	3	1	...	...	...	1	2	...	2	8	10	13	10	23	22	2	1	...
35	Puerperal septicemia	18	...	18	...	...	...	...	...	...	...	...	1	8	1	1	...	...	...	...	...	...
36	Other diseases of pregnancy, childbirth and the puerperal state	31	...	31	1	...	...	...	...	...	...	...	3	13	13	2	...	...	...	...	...	...
37	Diseases of the skin and cellular tissue, and of the bones and organs of locomotion	27	19	8	...	1	1	...	1	...	3	1	1	1	3	5	4	4	4	1	...	...
38	Congenital debility and malformations, premature birth and other diseases of early infancy	249	138	111	10	243	3	...	1	1	248	1	...	...	...	...	...	...	...	...	...	...
39	Senility	6	2	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4	2	...
40	Suicide	83	67	16	1	...	...	...	...	...	...	...	...	11	16	16	19	10	10	1	...	...
41	Homicide	25	17	8	2	...	...	...	...	...	...	1	3	6	6	4	3	2	...	...	...	...
42	Violent and accidental deaths (suicide and homicide excepted)	377	283	94	11	6	3	5	6	7	27	24	27	38	42	63	62	46	29	17	2	...
43	Cause of death not specified or ill-defined	3	2	1	...	...	...	...	1	...	1	...	...	2	...	...	...	...	...	...	...	...

Estimated population, 701,321.

Total resident deaths, 6,946.

Rate per 1,000 population, 9.9.

TABULATION OF DEATHS IN BAYONNE CITY FOR 1934, ACCORDING TO THE ABRIDGED INTERNATIONAL LIST OF CAUSES OF DEATH

Abridged International List Number	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
	ALL CAUSES	728	409	319	38	40	9	5	5	7	66	13	29	43	77	110	139	140	78	31	2	...
1	Typhoid and paratyphoid fever																					
2	Typhus fever																					
3	Smallpox																					
4	Measles																					
5	Scarlet fever	1		1								1										
6	Whooping cough	2	2			1	1															
7	Diphtheria	2	2					1		1												
8	Influenza	5	2	3	1										2	1	2					
9	Plague																					
10	Tuberculosis of the respiratory system	68	44	24	8							1	4	13	14	21	10	5				
11	Other forms of tuberculosis	2	2		1					1	1					1						
12	Syphilis	4	4		2		1				1				1	1	2					
13	Malaria																					
14	Other infectious and parasitic diseases	6	5	1			1			2	3						1	2				
15	Cancer and other malignant tumors	70	42	28	1							1	2	3	4	15	13	21	7	3	1	
16	Tumors, nonmalignant, or of which the nature is not specified	7	3	4											1	3	3					
17	Chronic rheumatism and gout																					
18	Diabetes mellitus	10	4	6												2	1	4	3			
19	Alcoholism (acute or chronic)	1	1													1						
20	Other general diseases and chronic poisonings	12	5	7	1	1	1				2	1	1	2	1	1	3	1				
21	Progressive locomotor ataxia and general paralysis of the insane	2	2		2											1	1					
22	Cerebral hemorrhage, cerebral embolism and thrombosis	52	22	30	3								1	1	2	4	8	22	9	5		

Rate per 1,000 population, 7.9.

TABULATION OF DEATHS IN HARRISON TOWN FOR 1934, ACCORDING TO THE ABRIDGED INTERNATIONAL LIST OF CAUSES OF DEATH

Abridged International List Number	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
	ALL CAUSES	123	77	46	.....	7	.....	.....	1	1	9	1	1	3	14	18	21	26	23	7	.....	.....
1	Typhoid and paratyphoid fever																					
2	Typhus fever																					
3	Smallpox																					
4	Measles																					
5	Scarlet fever																					
6	Whooping cough																					
7	Diphtheria																					
8	Influenza																					
9	Plague																					
10	Tuberculosis of the respiratory system	8	6	2									1	1	2	2	2					
11	Other forms of tuberculosis																					
12	Syphilis																					
13	Malaria																					
14	Other infectious and parasitic diseases																					
15	Cancer and other malignant tumors	14	9	5												3	2	3	5	1		
16	Tumors, nonmalignant, or of which the nature is not specified	1	1													1						
17	Chronic rheumatism and gout																					
18	Diabetes mellitus	2		2													1	1				
19	Alcoholism (acute or chronic)																					
20	Other general diseases and chronic poisonings																					
21	Progressive locomotor ataxia and general paralysis of the insane	3	2	1											1	1			1			
22	Cerebral hemorrhage, cerebral embolism and thrombosis	3		3														2	1			

Rate per 1,000 population, 7.8.

TABULATION OF DEATHS IN HOBOKEN CITY FOR 1934, ACCORDING TO THE ABRIDGED INTERNATIONAL LIST OF CAUSES OF DEATH

Abridged International List Number	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	20 to 29	10 to 19	30 to 39	40 to 49	50 to 59	60 to 69	70 to 79	80 to 89	90 and over	Unknown
	ALL CAUSES	650	374	276	10	34	5	6	6	2	53	4	20	32	39	98	138	122	109	29	6	...
1	Typhoid and paratyphoid fever																					
2	Typhus fever																					
3	Smallpox																					
4	Measles																					
5	Scarlet fever																					
6	Whooping cough	2		2		1		1			2											
7	Diphtheria																					
8	Influenza	1	1														1					
9	Plague																					
10	Tuberculosis of the respiratory system	40	30	10	1								2	8	6	16	7	1				
11	Other forms of tuberculosis	2		2	1										1	1						
12	Syphilis	5	4	1											1	2	1	2				
13	Malaria																					
14	Other infectious and parasitic diseases	3	2	1							1			1				2				
15	Cancer and other malignant tumors	66	39	27			1				1				2	13	18	21	9	1	1	
16	Tumors, nonmalignant, or of which the nature is not specified	1	1		1									1								
17	Chronic rheumatism and gout																					
18	Diabetes mellitus	17	4	13											1	1	3	9	3			
19	Alcoholism (acute or chronic)	4	2	2											2	1	1					
20	Other general diseases and chronic poisonings	13	3	10					1	1	2	1	1	3	1	3	2					
21	Progressive locomotor ataxia and general paralysis of the insane	3	3														3					
22	Cerebral hemorrhage, cerebral embolism and thrombosis	42	20	22	1								1	1	4	5	12	11	7	1		

23	Other diseases of the nervous system and of the organs of special sense	15	10	5	1	3	2	.....	5	.....	1	1	.....	3	4	.....	1	.....	.....
24	Diseases of the heart	221	131	90	1	.....	.....	.....	.....	.....	7	5	7	25	52	49	58	16	2
25	Other diseases of the circulatory system	11	5	6	1	.....	.....	.....	.....	.....	.....	.....	.....	1	1	3	2	3	1
26	Bronchitis	1	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....
27	Pneumonias	55	26	29	2	7	1	4	2	14	.....	2	1	1	7	7	8	10	5
28	Other diseases of the respiratory system (tuberculosis excepted)	8	7	1	.....	.....	.....	.....	.....	.....	1	.....	.....	3	1	1	2	.....	.....
29	Diarrhoea and enteritis	6	5	1	.....	3	1	1	1	6	.....	.....	.....	.....	.....	.....	.....	.....	.....
30	Appendicitis	4	4	.....	1	.....	.....	1	.....	2	.....	2	.....	.....	.....	.....	.....	.....	.....
31	Diseases of the liver and biliary passages	10	5	5	.....	.....	.....	.....	.....	.....	.....	1	1	.....	4	3	1	1	.....
32	Other diseases of the digestive system	14	9	5	.....	.....	.....	.....	.....	.....	.....	1	1	.....	3	4	3	2	.....
33	Nephritis	29	8	21	.....	.....	.....	.....	.....	.....	.....	.....	1	2	1	8	3	11	2
34	Other diseases of the genitourinary system	7	3	4	.....	.....	.....	.....	.....	.....	.....	.....	.....	2	2	2	1	.....	1
35	Puerperal septicemia	1	.....	1	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....
36	Other diseases of pregnancy, childbirth and the puerperal state	4	.....	4	.....	.....	.....	.....	.....	.....	.....	1	1	2	.....	.....	.....	.....	.....
37	Diseases of the skin and cellular tissue, and of the bones and organs of locomotion .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
38	Congenital debility and malformations, premature birth and other diseases of early infancy	19	12	7	.....	19	.....	.....	19	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
39	Senility	1	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
40	Suicide	7	5	2	.....	.....	.....	.....	.....	.....	.....	.....	1	1	3	1	1	.....	.....
41	Homicide	3	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	1	.....	1	.....	.....	.....
42	Violent and accidental deaths (suicide and homicide excepted)	34	31	3	1	.....	.....	1	1	2	2	1	6	4	7	5	3	3	1
43	Cause of death not specified or ill-defined	1	1	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....

Estimated population, 59,261.

Total resident deaths, 650

Rate per 1,000 population, 10.9.

TABULATION OF DEATHS IN JERSEY CITY FOR 1934, ACCORDING TO THE ABRIDGED INTERNATIONAL LIST OF CAUSES OF DEATH

Abridged International List Number	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
	ALL CAUSES	3483	1868	1595	220	248	22	21	18	17	326	51	84	171	234	426	622	779	582	191	17	...
1	Typhoid and paratyphoid fever																					
2	Typhus fever																					
3	Smallpox										1											
4	Measles	1	1			1					3											
5	Scarlet fever	4	3	1			1				9	1										
6	Whooping cough	9	6	3	1	6	3				9											
7	Diphtheria	11	3	8		1	2	2	2	1	8	3						2	3	2		
8	Influenza	20	11	9		2	1		1		4		2	1	2	4						
9	Plague																					
10	Tuberculosis of the respiratory system	183	108	75	33			1	1		2		11	39	44	42	32	11	1	1		
11	Other forms of tuberculosis	18	8	10	5	1	4				5	2	1	4	2	3	1					
12	Syphilis	24	21	3	6	3					3			4	2	4	11					
13	Malaria																					
14	Other infectious and parasitic diseases	14	8	6	4	2	1	2	1		6	2		2	4		4					
15	Cancer and other malignant tumors	438	223	215	18			1			1		5	4	12	56	128	133	84	15		
16	Tumors, nonmalignant, or of which the nature is not specified	21	7	14	1							1	1	3	7	5	4		2			
17	Chronic rheumatism and gout	3	1	2													1					
18	Diabetes mellitus	106	30	75	3								1		2	10	26	45	20	1		
19	Alcoholism (acute or chronic)	10	7	3										1	5		4					
20	Other general diseases and chronic poisonings	44	23	21	2	4		2		4	10	4	5	4	4	5	3	6	2	1		
21	Progressive locomotor ataxia and general paralysis of the insane	21	18	3	3									1	2	5	7	5	1			
22	Cerebral hemorrhage, cerebral embolism and thrombosis	231	99	132	12				1		1		1	1	6	27	48	59	70	17	1	...

23	Other diseases of the nervous system and of the organs of special sense	44	25	19	5	6	1	1	.....	8	2	4	6	8	5	4	6	1	.....	.....
24	Diseases of the heart	1054	560	494	50	.....	.....	.....	.....	.....	8	22	23	47	112	186	310	245	94	7
25	Other diseases of the circulatory system	50	24	26	2	1	.....	.....	.....	1	.....	1	.....	1	6	4	13	15	8	1
26	Bronchitis	8	3	5	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	1	.....	.....	4	1	1
27	Pneumonias	247	141	106	30	39	5	5	2	2	53	5	4	9	22	33	31	39	34	16
28	Other diseases of the respiratory system (tuberculosis excepted)	23	11	12	1	1	.....	1	.....	2	.....	1	1	1	6	4	4	4	.....	.....
29	Diarrhoea and enteritis	60	39	21	7	41	2	1	1	45	5	.....	3	1	3	.....	3	.....	.....	.....
30	Appendicitis	32	17	15	.....	.....	1	1	.....	2	4	3	3	3	5	7	4	.....	.....	.....
31	Diseases of the liver and biliary passages	64	40	24	.....	.....	.....	.....	.....	.....	.....	1	6	11	15	21	10	.....	.....	.....
32	Other diseases of the digestive system	86	54	32	3	2	.....	.....	1	3	4	1	2	11	14	17	19	14	1	.....
33	Nephritis	193	102	91	10	.....	.....	1	1	2	.....	1	8	10	19	41	51	35	22	4
34	Other diseases of the genitourinary system	48	28	20	3	1	.....	.....	1	2	.....	1	5	4	7	6	12	10	1	.....
35	Puerperal septicemia	6	.....	6	.....	.....	.....	.....	.....	.....	.....	.....	4	2	.....	.....	.....	.....	.....	.....
36	Other diseases of pregnancy, childbirth and the puerperal state	11	.....	11	1	.....	.....	.....	.....	.....	.....	2	6	1	2	.....	.....	.....	.....	.....
37	Diseases of the skin and cellular tissue, and of the bones and organs of locomotion	18	13	5	.....	.....	.....	1	.....	1	1	1	1	3	2	3	2	4	.....	.....
38	Congenital debility and malformations, premature birth and other diseases of early infancy	137	75	62	9	134	1	.....	1	1	137	.....	.....	.....	.....	.....	.....	.....	.....	.....
39	Senility	3	2	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2	1	.....
40	Suicide	36	33	3	1	.....	.....	.....	.....	.....	.....	7	5	7	4	6	7	.....	.....	.....
41	Homicide	11	6	5	2	.....	.....	.....	.....	.....	.....	1	6	.....	2	1	1	.....	.....	.....
42	Violent and accidental deaths (suicide and homicide excepted)	194	138	56	8	3	.....	5	3	4	15	10	14	21	21	30	30	27	16	9
43	Cause of death not specified or ill-defined	1	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....

Estimated population, 319,900.

Total resident deaths, 3,483.

Rate per 1,000 population, 10.8.

TABULATION OF DEATHS IN KEARNY TOWN FOR 1934, ACCORDING TO THE ABRIDGED INTERNATIONAL LIST OF CAUSES OF DEATH

Abridged International List Number	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
	ALL CAUSES	322	180	142		8	2	1	1		12	3	10	18	30	39	63	71	51	23	2	
1	Typhoid and paratyphoid fever																					
2	Typhus fever																					
3	Smallpox																					
4	Measles																					
5	Scarlet fever																					
6	Whooping cough	1		1				1			1											
7	Diphtheria																					
8	Influenza	1	1													1						
9	Plague																					
10	Tuberculosis of the respiratory system	18	9	9										6	5	4	2		1			
11	Other forms of tuberculosis	3	1	2									1	2								
12	Syphilis	1		1														1				
13	Malaria																					
14	Other infectious and parasitic diseases	1		1																		
15	Cancer and other malignant tumors	39	24	15											3	5	10	14	6	1		
16	Tumors, nonmalignant, or of which the nature is not specified	5		5									1		1	2	1					
17	Chronic rheumatism and gout																					
18	Diabetes mellitus	8		8												1	1	4	2			
19	Alcoholism (acute or chronic)	1	1														1					
20	Other general diseases and chronic poisonings..	5	1	4										1	1			2	1			
21	Progressive locomotor ataxia and general paralysis of the insane	3	3									1					2					
22	Cerebral hemorrhage, cerebral embolism and thrombosis	19	13	6											1	1	4	4	5	4		

Rate per 1,000 population, 7.4.

TABULATION OF DEATHS IN UNION CITY FOR 1934, ACCORDING TO THE ABRIDGED INTERNATIONAL LIST OF CAUSES OF DEATH

Abridged International List Number	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
	ALL CAUSES	608	314	294	1	23	5	2	4	4	38	7	10	24	34	61	107	140	153	33	1	...
1	Typhoid and paratyphoid fever																					
2	Typhus fever																					
3	Smallpox																					
4	Measles																					
5	Scarlet fever	1	1									1										
6	Whooping cough																					
7	Diphtheria																					
8	Influenza	5	1	4								1			1			1	1			
9	Plague																					
10	Tuberculosis of the respiratory system	25	17	8	1									4	8	1	7	2	3			
11	Other forms of tuberculosis	4	2	2									2			1	1					
12	Syphilis	2	2													1						
13	Malaria																1	1				
14	Other infections and parasitic diseases	3	2	1												2				1		
15	Cancer and other malignant tumors	92	41	51			1			1	2			3	3	11	20	30	19	4		
16	Tumors, nonmalignant, or of which the nature is not specified	7	3	4											2	2	1	1	1			
17	Chronic rheumatism and gout																					
18	Diabetes mellitus	20	7	13											1		1	10	7	1		
19	Alcoholism (acute or chronic)																					
20	Other general diseases and chronic poisonings..	7	2	5					1	1	2		1	1		2		1				
21	Progressive locomotor ataxia and general paralysis of the insane	2	2													1	1					
22	Cerebral hemorrhage, cerebral embolism and thrombosis	47	24	23										1	1	1	8	13	19	4		

Rate per 1,000 population, 10.3.

TABULATION OF DEATHS IN WEST NEW YORK TOWN FOR 1934, ACCORDING TO THE ABRIDGED INTERNATIONAL LIST OF CAUSES OF DEATH

Abridged International List Number	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
	ALL CAUSES	311	150	161	2	24	3	1	1	....	29	1	7	19	19	46	51	75	51	10	3	....
1	Typhoid and paratyphoid fever																					
2	Typhus fever																					
3	Smallpox																					
4	Measles																					
5	Scarlet fever																					
6	Whooping cough																					
7	Diphtheria																					
8	Influenza	2	1	1															2			
9	Plague																					
10	Tuberculosis of the respiratory system	12	6	6	1								2	2	2	2	1	3				
11	Other forms of tuberculosis																					
12	Syphilis	1	1			1					1											
13	Malaria																					
14	Other infectious and parasitic diseases	3		3		1					1			1	1							
15	Cancer and other malignant tumors	34	17	17	1									1		6	8	12	7			
16	Tumors, nonmalignant, or of which the nature is not specified	1		1												1						
17	Chronic rheumatism and gout																					
18	Diabetes mellitus	13	2	11												1	5	3	3	1		
19	Alcoholism (acute or chronic)																					
20	Other general diseases and chronic poisonings..	4	1	3			1				1		1			1	1					
21	Progressive locomotor ataxia and genera. paralysis of the insane	1	1															1				
22	Cerebral hemorrhage, cerebral embolism and thrombosis	19	5	14												4	2	7	5	1		

Rate per 1,000 population, 8.1.

TABULATION OF DEATHS IN HUNTERDON COUNTY FOR 1934, ACCORDING TO THE ABRIDGED INTERNATIONAL LIST OF CAUSES OF DEATH

Abridged International List Number	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
	ALL CAUSES	505	274	231	7	31	3	2	....	1	37	4	13	17	16	35	61	93	138	78	13	....
1	Typhoid and paratyphoid fever .....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
2	Typhus fever .....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
3	Smallpox .....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
4	Measles	2	2	....	....	....	....	....	....	....	....	1	1	....	....	....	....	....	....	....	....	....
5	Scarlet fever .....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
6	Whooping cough .....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
7	Diphtheria .....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
8	Influenza	6	2	4	....	....	....	....	....	....	....	....	....	1	....	....	1	....	3	1	....	....
9	Plague .....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
10	Tuberculosis of the respiratory system	12	9	3	....	....	....	....	....	....	....	....	1	2	3	1	3	2	....	....	....	....
11	Other forms of tuberculosis	1	....	1	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....
12	Syphilis	2	2	....	....	....	....	....	....	....	....	....	....	....	....	....	....	2	....	....	....	....
13	Malaria .....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
14	Other infectious and parasitic diseases	2	2	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	1	....	....
15	Cancer and other malignant tumors	63	33	30	....	....	....	....	....	....	....	....	....	1	2	7	13	15	17	7	1	....
16	Tumors, nonmalignant, or of which the nature is not specified	4	2	2	2	....	....	....	....	....	....	....	1	....	2	....	1	....	....	....	....	....
17	Chronic rheumatism and gout .....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
18	Diabetes mellitus	11	2	9	....	....	....	....	....	....	....	....	1	1	....	1	1	3	3	1	....	....
19	Alcoholism (acute or chronic) .....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
20	Other general diseases and chronic poisonings...	6	3	3	....	1	....	1	....	....	2	1	....	....	1	....	1	....	1	....	....	....
21	Progressive locomotor ataxia and general paralysis of the insane	2	2	....	....	....	....	....	....	....	....	....	1	....	....	....	1	....	....	....	....	....
22	Cerebral hemorrhage, cerebral embolism and thrombosis	45	27	18	2	....	....	....	....	....	....	....	....	....	....	3	6	14	16	6	....	....

Rate per 1,000 population, 14.4.

TABULATION OF DEATHS IN MERCER COUNTY FOR 1934, ACCORDING TO THE ABRIDGED INTERNATIONAL LIST OF CAUSES OF DEATH

Abridged International List Number	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
	ALL CAUSES	2087	1134	953	174	174	16	9	9	5	213	25	67	78	118	218	312	434	426	168	28	...
1	Typhoid and paratyphoid fever	1	1													1						
2	Typhus fever																					
3	Smallpox	3	1	2		2		1			3											
4	Measles	6	3	3	1			1	1		2	2		2								
5	Scarlet fever	4	1	3		3				1	4											
6	Whooping cough	1		1								1										
7	Diphtheria	13	7	6									1	1	1	4	2		3		1	
8	Influenza																					
9	Plague																					
10	Tuberculosis of the respiratory system	118	67	51	16						4		13	20	21	18	22	17	6	1		
11	Other forms of tuberculosis	11	5	6	7	1		2	1		2	2			3		2					
12	Syphilis	20	15	5	10	1		1			2		1	1	2	6	7	1				
13	Malaria			3																		
14	Other infectious and parasitic diseases	7	4	3		2					2		2			1		1				
15	Cancer and other malignant tumors	223	114	109	8			1			1		4	3	10	23	45	66	53	14	4	
16	Tumors, nonmalignant, or of which the nature is not specified	9	3	6	1									1	1	1	4			1	1	
17	Chronic rheumatism and gout	6	2	4												2		1	3			
18	Diabetes mellitus	63	23	40	1									1		1	19	25	12	4		
19	Alcoholism (acute or chronic)	3	3													1		1	1			
20	Other general diseases and chronic poisonings..	41	18	23	3	9			2		11	1	8	3	1	4	6	4	2		1	
21	Progressive locomotor ataxia and general paralysis of the insane	6	3	3	1										1	3	1		1			
22	Cerebral hemorrhage, cerebral embolism and thrombosis	171	88	83	13											4	10	28	52	53	21	3

23	Other diseases of the nervous system and of the organs of special sense	30	19	11	2	2	1	3	1	2	2	4	7	4	2	5	.....
24	Diseases of the heart	567	326	241	40	1	1	2	3	6	9	24	58	83	153	146	72 11
25	Other diseases of the circulatory system	43	27	16	4	.....	.....	.....	.....	.....	1	2	4	8	15	12	1
26	Bronchitis	12	6	6	2	1	1	2	1	1	.....	1	2	4	1	.....	.....
27	Pneumonias	129	72	57	20	28	6	2	2	2	40	4	4	3	5	17	15 12 19 9 1
28	Other diseases of the respiratory system (tuberculosis excepted)	12	8	4	2	1	1	2	.....	.....	.....	2	4	3	.....	.....	1
29	Diarrhoea and enteritis	15	8	7	1	11	2	18	.....	.....	.....	1	1	1	.....	.....	.....
30	Appendicitis	8	3	5	.....	.....	.....	.....	1	.....	1	3	1	1	1	.....	.....
31	Diseases of the liver and biliary passages	27	13	14	.....	.....	.....	.....	.....	.....	2	5	8	5	6	1	.....
32	Other diseases of the digestive system	45	26	19	3	3	.....	1 4	1	1	1	3	6	9	5	14	1
33	Nephritis	163	73	90	6	.....	.....	.....	.....	1	4	3	15	25	49	45	19 2
34	Other diseases of the genitourinary system	24	17	7	1	.....	.....	.....	.....	1	1	3	.....	4	12	2	1
35	Puerperal septicemia	10	.....	10	2	.....	.....	.....	.....	2	3	2	3	.....	.....	.....	.....
36	Other diseases of pregnancy, childbirth and the puerperal state	11	.....	11	1	.....	.....	.....	.....	1	5	4	1	.....	.....	.....	.....
37	Diseases of the skin and cellular tissue, and of the bones and organs of locomotion	5	2	3	.....	2	.....	2	.....	1	.....	.....	1	1	.....	.....	.....
38	Congenital debility and malformations, premature birth and other diseases of early infancy	106	63	43	12	104	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....
39	Senility	2	6	4	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	4	2
40	Suicide	33	22	11	.....	.....	.....	.....	.....	1	3	7	5	11	4	2	.....
41	Homicide	5	3	2	2	2	.....	2	.....	.....	.....	1	1	.....	1	.....	.....
42	Violent and accidental deaths (suicide and homicide excepted)	129	85	44	14	3	2	2	1	8	8	16	15	13	11	12	14 25 7
43	Cause of death not specified or ill-defined	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....

Estimated population, 191,800.

Total resident deaths, 2,087.

Rate per 1,000 population, 10.8.

TABULATION OF DEATHS IN TRENTON CITY FOR 1934, ACCORDING TO THE ABRIDGED INTERNATIONAL LIST OF CAUSES OF DEATH

Abridged International List Number	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
	ALL CAUSES	1360	735	625	113	105	11	8	5	2	131	17	40	51	81	153	222	296	259	97	13	...
1	Typhoid and paratyphoid fever																					
2	Typhus fever																					
3	Smallpox																					
4	Measles	3	1	2		2		1			3											
5	Scarlet fever	3	1	2				1	1		2	1										
6	Whooping cough																					
7	Diphtheria	1		1								1										
8	Influenza	10	6	4										1	1	2	2		3		1	
9	Plague																					
10	Tuberculosis of the respiratory system	83	46	37	10						3		8	16	10	14	17	8	3	1		
11	Other forms of tuberculosis	7	3	4	6			2	1			1			2		1					
12	Syphilis	16	12	4	7	1					2		1	1	1	6	5					
13	Malaria																					
14	Other infectious and parasitic diseases	5	3	2		2					2		1			1		1				
15	Cancer and other malignant tumors	141	76	65	3			1			1		3	1	8	14	32	42	30	10		
16	Tumors, nonmalignant, or of which the nature is not specified	7	2	5	1								1	1	1	3		1	1			
17	Chronic rheumatism and gout	3	1	2												1			1			
18	Diabetes mellitus	47	15	32	1								1		1	1	12	20	10	2		
19	Alcoholism (acute or chronic)	2	2																1			
20	Other general diseases and chronic poisonings..	30	14	16	2	5		1			6	1	5	3	1	3	6	3	2			
21	Progressive locomotor ataxia and general paralysis of the insane	4	2	2	1											3	1					
22	Cerebral hemorrhage, cerebral embolism and thrombosis	107	54	53	11										3	6	17	39	30	11	1	....

23	Other diseases of the nervous system and of the organs of special sense	21	15	6	.....	1	.....	1	.....	2	.....	2	1	2	6	3	2	3	.....	.....	.....
24	Diseases of the heart	366	207	159	23	1	1	.....	.....	2	.....	2	3	6	16	36	60	104	88	45	6
25	Other diseases of the circulatory system	26	17	9	3	.....	.....	.....	.....	.....	.....	.....	.....	1	2	3	6	8	6	.....	.....
26	Bronchitis	9	5	4	2	1	1	.....	.....	2	.....	1	1	.....	.....	1	1	3	.....	.....	.....
27	Pneumonias	89	46	43	14	17	4	2	1	1	25	3	3	2	3	13	10	10	14	5	1
28	Other diseases of the respiratory system (tuberculosis excepted)	12	8	4	2	1	1	.....	.....	2	.....	.....	.....	.....	2	4	3	.....	.....	.....	1
29	Diarrhoea and enteritis	8	4	4	.....	6	1	.....	.....	7	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....
30	Appendicitis	3	.....	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	1	.....	1	.....	.....	.....	.....
31	Diseases of the liver and biliary passages	18	9	9	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	3	5	4	5	.....	.....	.....
32	Other diseases of the digestive system	28	15	13	2	2	.....	.....	.....	2	.....	1	1	.....	2	5	4	3	9	1	.....
33	Nephritis	111	47	64	2	.....	.....	.....	.....	.....	.....	.....	1	3	2	11	20	34	80	9	1
34	Other diseases of the genitourinary system	15	10	5	1	.....	.....	.....	.....	.....	.....	.....	.....	1	1	1	.....	4	7	.....	1
35	Puerperal septicemia	7	.....	7	2	.....	.....	.....	.....	.....	.....	2	1	2	2	.....	.....	.....	.....	.....	.....
36	Other diseases of pregnancy, childbirth and the puerperal state	6	.....	6	1	.....	.....	.....	.....	.....	.....	.....	.....	3	2	1	.....	.....	.....	.....	.....
37	Diseases of the skin and cellular tissue and of the bones and organs of locomotion	3	1	2	.....	1	.....	.....	.....	1	.....	1	.....	.....	.....	.....	1	.....	.....	.....	.....
38	Congenital debility and malformations, premature birth and other diseases of early infancy	64	45	19	5	63	1	.....	.....	64	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
39	Senility	4	2	2	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	8	1
40	Suicide	24	15	9	.....	.....	.....	.....	.....	.....	.....	1	3	5	4	8	2	1	.....	.....	.....
41	Homicide	5	3	2	2	2	.....	.....	.....	2	.....	.....	.....	1	1	.....	1	.....	.....	.....	.....
42	Violent and accidental deaths (suicide and homicide excepted)	72	48	24	11	1	1	.....	.....	1	3	6	5	8	8	9	9	5	15	4	.....
43	Cause of death not specified or ill-defined .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

Estimated population, 124,100.

Total resident deaths, 1,360.

Rate per 1,000 population, 10.9.

TABULATION OF DEATHS IN MIDDLESEX COUNTY FOR 1934, ACCORDING TO THE ABRIDGED INTERNATIONAL LIST OF CAUSES OF DEATH

Abridged International List Number	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
	ALL CAUSES	1925	1114	811	70	135	10	6	9	9	169	23	63	96	123	260	296	396	346	130	23	...
1	Typhoid and paratyphoid fever																					
2	Typhus fever	1	1														1					
3	Smallpox																					
4	Measles	2	1	1					1		1		1									
5	Scarlet fever																					
6	Whooping cough	1		1		1																
7	Diphtheria	2	1	1		1		1			2											
8	Influenza	16	7	9	1							2		1	1	5	2	2	3			
9	Plague																					
10	Tuberculosis of the respiratory system	85	55	30	0								6	17	12	20	15	12	3			
11	Other forms of tuberculosis	8	4	4	1		2				2			2	1	3						
12	Syphilis	11	7	4	2										1	4	3	4				
13	Malaria																					
14	Other infectious and parasitic diseases	12	6	6	1	2					2			2	3	2	1	1	1			
15	Cancer and other malignant tumors	226	123	103	1										2	12	45	38	72	48	9	
16	Tumors, nonmalignant, or of which the nature is not specified	7	3	4	1				1		1			1	1	2		1	1			
17	Chronic rheumatism and gout	2		2										1						1		
18	Diabetes mellitus	62	25	37									1	3	3	3	12	30	9	1		
19	Alcoholism (acute or chronic)	3	3											1	1	1		1				
20	Other general diseases and chronic poisonings	27	15	12		5			1	1	7	1	3	2	1	6	3	3	1			
21	Progressive locomotor ataxia and general paralysis of the insane	6	4	2	1											1	3			2		
22	Cerebral hemorrhage, cerebral embolism and thrombosis	152	83	69	8											2	15	22	36	54	22	1

23	Other diseases of the nervous system and of the organs of special sense	29	13	16	1	2	1	4	3	3	3	5	1	3	4	2	1	...		
24	Diseases of the heart	487	276	211	15	3	1	1	5	2	8	9	17	49	90	120	125	52	10	...
25	Other diseases of the circulatory system	84	21	13	1	1	1	1	1	1	1	1	3	3	5	13	6	3	...	
26	Bronchitis	7	6	1	1	1	1	1	1	1	1	1	1	1	3	1	1	1	...	
27	Pneumonias	123	71	52	4	19	5	2	1	27	3	6	6	9	12	12	20	15	11	2
28	Other diseases of the respiratory system (tuberculosis excepted)	12	5	7	1	6	1	1	6	1	1	1	1	2	3	3	1	1	1	...
29	Diarrhoea and enteritis	12	4	8	1	1	1	1	2	1	1	1	2	2	3	2	1	1	1	...
30	Appendicitis	24	13	11	1	1	1	1	2	1	8	5	2	3	2	1	1	2	1	...
31	Diseases of the liver and biliary passages	27	12	15	4	3	1	1	1	4	1	1	3	5	4	9	1	2	1	...
32	Other diseases of the digestive system	40	22	18	4	3	1	1	1	4	1	3	1	6	10	6	3	7	12	2
33	Nephritis	142	73	69	7	1	1	1	1	1	2	4	7	21	27	29	37	12	2	...
34	Other diseases of the genitourinary system	21	15	6	2	1	1	1	1	1	1	1	2	1	6	6	4	2	1	...
35	Puerperal septicemia	3	3	3	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	...
36	Other diseases of pregnancy, childbirth and the puerperal state	11	11	11	1	1	1	1	1	1	1	6	3	1	1	1	1	1	1	...
37	Diseases of the skin and cellular tissue, and of the bones and organs of locomotion	9	3	6	1	1	1	2	4	2	2	1	1	1	1	1	1	1	1	...
38	Congenital debility and malformations, premature birth and other diseases of early infancy	90	58	32	5	90	1	90	1	1	1	1	1	1	1	1	1	1	1	...
39	Senility	10	4	6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	...
40	Suicide	37	27	10	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	...
41	Homicide	9	6	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	...
42	Violent and accidental deaths (suicide and homicide excepted)	174	146	28	7	1	1	3	2	7	11	14	20	21	34	30	21	10	5	1
43	Cause of death not specified or ill-defined	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	...

Estimated population, 220,700.

Total resident deaths, 1,925.

Rate per 1,000 population, 8.7.

TABULATION OF DEATHS IN NEW BRUNSWICK CITY FOR 1984, ACCORDING TO THE ABRIDGED INTERNATIONAL LIST OF CAUSES OF DEATH

Abridged International List Number	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
	ALL CAUSES	357	196	161	28	21	1	...	3	...	25	3	8	16	18	52	51	75	68	36	5	...
1	Typhoid and paratyphoid fever																					
2	Typhus fever																					
3	Smallpox																					
4	Measles																					
5	Scarlet fever																					
6	Whooping cough																					
7	Diphtheria																					
8	Influenza	1	1		1											1						
9	Plague																					
10	Tuberculosis of the respiratory system	17	7	10	3								1	3	4	5	1	2	1			
11	Other forms of tuberculosis	1		1	1											1						
12	Syphilis	4	3	1	1											1	2	1				
13	Malaria																					
14	Other infectious and parasitic diseases	1		1		1					1											
15	Cancer and other malignant tumors	49	26	23										1	4	6	9	17	10	2		
16	Tumors, nonmalignant, or of which the nature is not specified	1		1												1						
17	Chronic rheumatism and gout	1		1															1			
18	Diabetes mellitus	13	8	5												1	3	7	1	1		
19	Alcoholism (acute or chronic)																	1				
20	Other general diseases and chronic poisonings..	5	3	2		1					1					3		1				
21	Progressive locomotor ataxia and general paralysis of the insane																					
22	Cerebral hemorrhage, cerebral embolism and thrombosis	28	13	15	2											2	4	7	12	3		

Rate per 1,000 population, 10.2.

TABULATION OF DEATHS IN PERTH AMBOY CITY FOR 1884, ACCORDING TO THE ABRIDGED INTERNATIONAL LIST OF CAUSES OF DEATH

Abridged International List Number	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
	ALL CAUSES	391	212	179	11	26	4	2	2	2	36	3	16	20	28	45	67	95	64	14	3	...
1	Typhoid and paratyphoid fever																					
2	Typhus fever																					
3	Smallpox																					
4	Measles																					
5	Scarlet fever																					
6	Whooping cough																					
7	Diphtheria	1		1				1			1											
8	Influenza	3		3												3						
9	Plague																					
10	Tuberculosis of the respiratory system	17	14	3	1								2	4	3	1	3	4				
11	Other forms of tuberculosis	2		2	1		1				1			1								
12	Syphilis	4	1	3	1											2	1	1				
13	Malaria																					
14	Other infectious and parasitic diseases	2	1	1	1											1	1					
15	Cancer and other malignant tumors	48	25	23										1	4	10	6	19	8			
16	Tumors, nonmalignant, or of which the nature is not specified																					
17	Chronic rheumatism and gout																					
18	Diabetes mellitus	18	6	12												2	2	8	6			
19	Alcoholism (acute or chronic)	2	2													1		1				
20	Other general diseases and chronic poisonings	1		1											1							
21	Progressive locomotor ataxia and general paralysis of the insane	1		1	1											1						
22	Cerebral hemorrhage, cerebral embolism and thrombosis	29	10	19	1											2	6	10	7	4		

Rate per 1,000 population, 8.9.

TABULATION OF DEATHS IN MONMOUTH COUNTY FOR 1934, ACCORDING TO THE ABRIDGED INTERNATIONAL LIST OF CAUSES OF DEATH

Abridged International List Number	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
	ALL CAUSES	2032	1071	961	244	92	10	8	4	7	121	16	49	78	121	180	307	421	447	250	39	3
1	Typhoid and paratyphoid fever	17	13	4	6								2	6	3	2		1	3			
2	Typhus fever																					
3	Smallpox																					
4	Measles																					
5	Scarlet fever	4	1	3						1	1		1									
6	Whooping cough	1		1					1		1											
7	Diphtheria	1	1									1										
8	Influenza	10	5	5				1			1	1	1		1	1	2	1	1	1		
9	Plague																					
10	Tuberculosis of the respiratory system	94	55	39	29			1			1		9	14	18	24	11	13	4			
11	Other forms of tuberculosis	9	5	4	3			1			1		1	1	2		2	1	1			
12	Syphilis	19	16	3	13						1		1		1	6	7	3	1			
13	Malaria																					
14	Other infectious and parasitic diseases	10	5		2	1		1			2		1	1	1		2	1	1	1		
15	Cancer and other malignant tumors	214	103	109	15										11	16	34	67	60	22	4	
16	Tumors, nonmalignant, or of which the nature is not specified	10	4	6	4								1	1	5	2	1					
17	Chronic rheumatism and gout	3	1	2															2			
18	Diabetes mellitus	54	14	40	2											3	15	19	12	1		
19	Alcoholism (acute or chronic)	1	1		1											1						
20	Other general diseases and chronic poisonings..	18	5	13	2	1	1		1	2	5	1	1	3	1	1	2		4			
21	Progressive locomotor ataxia and general paralysis of the insane	8	5	3	7										3	4	1					
22	Cerebral hemorrhage, cerebral embolism and thrombosis	178	74	104	18	1					1				3	8	30	40	61	26	9	

Rate per 1,000 population, 13.1.

TABULATION OF DEATHS IN ASBURY PARK CITY FOR 1934, ACCORDING TO THE ABRIDGED INTERNATIONAL LIST OF CAUSES OF DEATH

Abridged International List Number	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	
	ALL CAUSES	222	110	112	61	13	2				1	16		6	8	13	22	27	50	48	28	2	2
1	Typhoid and paratyphoid fever	5	2	3	2									1	3		1						
2	Typhus fever																						
3	Smallpox																						
4	Measles																						
5	Scarlet fever																						
6	Whooping cough																						
7	Diphtheria																						
8	Influenza																						
9	Plague																						
10	Tuberculosis of the respiratory system	10	7	3	5										1	2	3		3	1			
11	Other forms of tuberculosis	2	1	1	1												1			1			
12	Syphilis	5	3	2	4											1	2		2				
13	Malaria																						
14	Other infectious and parasitic diseases																						
15	Cancer and other malignant tumors	23	8	15	5											1	1	1	7	9	4		
16	Tumors, nonmalignant, or of which the nature is not specified	2	1	1	1											2							
17	Chronic rheumatism and gout																						
18	Diabetes mellitus	5	1	4														2	1	1	1		
19	Alcoholism (acute or chronic)																						
20	Other general diseases and chronic poisonings. Progressive locomotor ataxia and general paralysis of the insane	3		3	1	1						1			1					1			
21	Cerebral hemorrhage, cerebral embolism and thrombosis	3	2	1	3											2	1						
22		24	8	16	5												2	3	8	8	3		

Rate per 1,000 population, 14.4.

TABULATION OF DEATHS IN LONG BRANCH CITY FOR 1934, ACCORDING TO THE ABRIDGED INTERNATIONAL LIST OF CAUSES OF DEATH

Abridged International List Number	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
	ALL CAUSES	230	123	107	30	7	2	1	1	1	12	2	2	9	18	25	40	52	47	21	2	...
1	Typhoid and paratyphoid fever																					
2	Typhus fever																					
3	Smallpox																					
4	Measles																					
5	Scarlet fever																					
6	Whooping cough	1		1					1		1											
7	Diphtheria																					
8	Influenza																					
9	Plague																					
10	Tuberculosis of the respiratory system	13	7	6	7									4	4	4	1					
11	Other forms of tuberculosis																					
12	Syphilis	3	2	1	2											1	1	1				
13	Malaria																					
14	Other infectious and parasitic diseases																					
15	Cancer and other malignant tumors	26	17	9	1										2	2	5	10	5	2		
16	Tumors, non-malignant, or of which the nature is not specified	2	1	1	1									1		1						
17	Chronic rheumatism and gout	1		1																1		
18	Diabetes mellitus	9	4	5	2											1	2	4	2			
19	Alcoholism (acute or chronic)																					
20	Other general diseases and chronic poisonings	4	2	2						1	1					1	1		1			
21	Progressive locomotor ataxia and general paralysis of the insane	1	1		1												1					
22	Cerebral hemorrhage, cerebral embolism and thrombosis	23	11	12	3	1					1					2	4	4	9	3		

23	Other diseases of the nervous system and of the organs of special sense	3	2	1	1	.....	.....	.....	.....	.....	.....	1	.....	1	.....	.....	.....	1	.....	.....
24	Diseases of the heart	56	35	21	3	.....	.....	.....	.....	.....	.....	2	.....	7	.....	9	17	17	3	1
25	Other diseases of the circulatory system	6	6	.....	2	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	2	.....	2	1
26	Bronchitis	1	1	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....
27	Pneumonias	9	3	6	2	1	1	1	.....	8	1	.....	1	.....	.....	3	.....	.....	1	.....
28	Other diseases of the respiratory system (tuberculosis excepted)	1	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....
29	Diarrhoea and enteritis	2	1	1	.....	1	.....	.....	.....	1	.....	.....	.....	1	.....	.....	.....	.....	.....	.....
30	Appendicitis	4	2	2	.....	.....	.....	.....	.....	.....	2	.....	.....	1	.....	.....	1	.....	.....	.....
31	Diseases of the liver and biliary passages	2	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	2	.....	.....	.....	.....	.....	.....
32	Other diseases of the digestive system	2	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	1	.....	.....
33	Nephritis	34	14	20	4	.....	.....	.....	.....	.....	.....	2	.....	1	4	10	10	7	.....	.....
34	Other diseases of the genitourinary system	5	3	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	1	2	1	.....	.....	.....
35	Puerperal septicemia .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
36	Other diseases of pregnancy, childbirth and the puerperal state	1	.....	1	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....
37	Diseases of the skin and cellular tissue, and of the bones and organs of locomotion	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....
38	Congenital debility and malformations, premature birth and other diseases of early infancy	5	2	3	.....	4	1	.....	.....	5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
39	Senility .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
40	Suicide	4	2	2	1	.....	.....	.....	.....	.....	.....	1	.....	.....	1	1	1	.....	.....	.....
41	Homicide	1	.....	1	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....
42	Violent and accidental deaths (suicide and homicide excepted)	10	4	6	.....	.....	.....	.....	.....	.....	1	.....	1	4	1	3	.....	.....	.....	.....
43	Cause of death not specified or ill-defined .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

Estimated population, 19,200.

Total resident deaths, 230.

Rate per 1,000 population, 11.9.

TABULATION OF DEATHS IN RED BANK BOROUGH FOR 1934, ACCORDING TO THE ABRIDGED INTERNATIONAL LIST OF CAUSES OF DEATH

Abridged International List Number	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
	ALL CAUSES	154	90	64	34	7	2				9	1	5	10	10	16	23	30	25	19	6	....
1	Typhoid and paratyphoid fever																					
2	Typhus fever																					
3	Smallpox																					
4	Measles																					
5	Scarlet fever																					
6	Whooping cough																					
7	Diphtheria																					
8	Influenza																					
9	Plague																					
10	Tuberculosis of the respiratory system	6	4	2	3								2	1	1	1	1					
11	Other forms of tuberculosis																					
12	Syphilis	4	4		3											1	3					
13	Malaria																					
14	Other infectious and parasitic diseases																					
15	Cancer and other malignant tumors	18	10	8	3										2		3	8	4		1	
16	Tumors, nonmalignant, or of which the nature is not specified	1		1	1										1							
17	Chronic rheumatism and gout																					
18	Diabetes mellitus	3	1	2													1	1		1		
19	Alcoholism (acute or chronic)																					
20	Other general diseases and chronic poisonings																					
21	Progressive locomotor ataxia and general paralysis of the insane	1	1		1											1						
22	Cerebral hemorrhage, cerebral embolism and thrombosis	12	4	8	3											1	2	4	1	3	1	

Rate per 1,000 population, 12.8.

TABULATION OF DEATHS IN MORRIS COUNTY FOR 1934, ACCORDING TO THE ABRIDGED INTERNATIONAL LIST OF CAUSES OF DEATH

Abridged International List Number	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
	ALL CAUSES	1335	722	613	54	55	5	6	4	3	73	15	29	56	48	133	203	273	325	158	22	...
1	Typhoid and paratyphoid fever	2	2											1		1						
2	Typhus fever																					
3	Smallpox																					
4	Measles	1	1					1			1											
5	Scarlet fever	5	4	1			1					3					1					
6	Whooping cough	1		1		1					1											
7	Diphtheria	2	1	1						1	1			1								
8	Influenza	10	6	4		1					1		1		1	2		3	1	1		
9	Plague																					
10	Tuberculosis of the respiratory system	42	23	19	7								2	11	9	8	3	6	3			
11	Other forms of tuberculosis	6	3	3					1		1	1		1		1		1	1			
12	Syphilis	6	5	1	1									1		1	4	1				
13	Malaria																					
14	Other infectious and parasitic diseases	7	3	4	1	3		1			4			1		1			1			
15	Cancer and other malignant tumors	162	72	90	4					1	1			3	3	23	36	37	45	14		
16	Tumors, nonmalignant, or of which the nature is not specified	5	1	4												2	1		2			
17	Chronic rheumatism and gout	1		1																		
18	Diabetes mellitus	44	12	32										1	1	3	14	10	13	2		
19	Alcoholism (acute or chronic)																					
20	Other general diseases and chronic poisonings..	16	7	9		2					2	1	2	1	1	1	3	5				
21	Progressive locomotor ataxia and genera paralysis of the insane	6	6		3										1	2		2	1			
22	Cerebral hemorrhage, cerebral embolism and thrombosis	110	43	67	3								1		2	9	13	23	45	17		

23	Other diseases of the nervous system and of the organs of special sense	13	7	6	1	.....	.....	.....	.....	.....	.....	2	.....	1	2	4	2	1	1	.....
24	Diseases of the heart	407	231	176	10	.....	1	.....	1	.....	.....	5	3	4	19	59	105	129	73	9
25	Other diseases of the circulatory system	21	12	9	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3	3	8	7	.....
26	Bronchitis	1	.....	1	.....	1	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
27	Pneumonias	88	51	37	7	8	3	.....	1	.....	12	2	.....	7	4	18	7	12	18	6
28	Other diseases of the respiratory system (tuberculosis excepted)	5	5	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	1	1	1	1	.....	.....
29	Diarrhoea and enteritis	2	2	.....	2	.....	.....	.....	.....	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
30	Appendicitis	23	15	8	1	.....	1	1	.....	2	.....	1	2	3	2	2	5	4	1	1
31	Diseases of the liver and biliary passages ..	18	13	5	.....	.....	.....	1	.....	1	.....	.....	.....	.....	2	4	6	.....	5	.....
32	Other diseases of the digestive system	31	20	11	1	1	.....	.....	.....	1	.....	.....	2	2	2	4	5	8	4	3
33	Nephritis	114	57	57	7	.....	.....	.....	.....	.....	.....	2	2	3	10	20	23	30	17	7
34	Other diseases of the genitourinary system ..	19	15	4	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	2	2	7	2	5	.....
35	Puerperal septicemia	3	.....	3	.....	.....	.....	.....	.....	.....	.....	.....	2	.....	1	.....	.....	.....	.....	.....
36	Other diseases of pregnancy, childbirth and the puerperal state	3	.....	3	.....	.....	.....	.....	.....	.....	.....	.....	1	2	.....	.....	.....	.....	.....	.....
37	Diseases of the skin and cellular tissue, and of the bones and organs of locomotion	4	4	.....	.....	.....	1	.....	1	2	.....	1	.....	.....	.....	.....	.....	1	.....	.....
38	Congenital debility and malformations, premature birth and other diseases of early infancy ..	36	22	14	5	36	.....	.....	.....	36	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
39	Senility	3	2	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3	.....
40	Suicide	15	10	5	.....	.....	.....	.....	.....	.....	.....	.....	4	.....	3	1	7	.....	.....	.....
41	Homicide	2	.....	2	1	1	.....	.....	.....	1	.....	.....	1	.....	.....	.....	.....	.....	.....	.....
42	Violent and accidental deaths (suicide and homicide excepted)	100	66	34	2	.....	1	.....	1	.....	6	8	11	10	13	15	11	13	8	4
43	Cause of death not specified or ill-defined	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....

Estimated population, 115,200.

Total resident deaths, 1,335.

Rate per 1,000 population, 11.5.

TABULATION OF DEATHS IN DOVER TOWN FOR 1934, ACCORDING TO THE ABRIDGED INTERNATIONAL LIST OF CAUSES OF DEATH

Abridged International List Number	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
	ALL CAUSES	122	77	45	1	7	....	1	....	1	9	2	4	5	2	14	22	19	29	12	4	....
1	Typhoid and paratyphoid fever																					
2	Typhus fever																					
3	Smallpox										1											
4	Measles	1	1						1		1											
5	Scarlet fever	1	1									1										
6	Whooping cough																					
7	Diphtheria	1	1							1	1					1				1		
8	Influenza	2	1	1																		
9	Plague																					
10	Tuberculosis of the respiratory system	5	2	3									1		2	1			1			
11	Other forms of tuberculosis																					
12	Syphilis																					
13	Malaria																					
14	Other infectious and parasitic diseases																					
15	Cancer and other malignant tumors	8	3	5													3	2	3			
16	Tumors, nonmalignant, or of which the nature is not specified	1		1													1					
17	Chronic rheumatism and gout																					
18	Diabetes mellitus	3	2	1													2		1			
19	Alcoholism (acute or chronic)																					
20	Other general diseases and chronic poisonings																					
21	Progressive locomotor ataxia and general paralysis of the insane	1	1													1						
22	Cerebral hemorrhage, cerebral embolism and thrombosis	8	6	2												1		2	4	1		

Rate per 1,000 population, 12.0.

TABULATION OF DEATHS IN MORRISTOWN TOWN FOR 1934, ACCORDING TO THE ABRIDGED INTERNATIONAL LIST OF CAUSES OF DEATH

Abridged International List Number	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
	ALL CAUSES	207	99	108	23	6	....	1	1	1	9	2	4	6	8	19	37	49	46	24	3	....
1	Typhoid and paratyphoid fever	1	1																			
2	Typhus fever												1									
3	Smallpox																					
4	Measles																					
5	Scarlet fever																					
6	Whooping cough																					
7	Diphtheria																					
8	Influenza																					
9	Plague																					
10	Tuberculosis of the respiratory system	4	3	1	1										1	2	1					
11	Other forms of tuberculosis																					
12	Syphilis	1	1		1												1					
13	Malaria																					
14	Other infectious and parasitic diseases	1		1	1																	
15	Cancer and other malignant tumors	28	14	14	4										1	6	2	8	6	3		
16	Tumors, nonmalignant, or of which the nature is not specified	1		1																1		
17	Chronic rheumatism and gout																					
18	Diabetes mellitus	8	1	7													4	2	2			
19	Alcoholism (acute or chronic)																					
20	Other general diseases and chronic poisonings	1		1													1					
21	Progressive locomotor ataxia and general paralysis of the insane																					
22	Cerebral hemorrhage, cerebral embolism and thrombosis	23	7	16	2										1	1	3	5	10	3		

Rate per 1,000 population, 13.1.

TABULATION OF DEATHS IN OCEAN COUNTY FOR 1934, ACCORDING TO THE ABRIDGED INTERNATIONAL LIST OF CAUSES OF DEATH

Abridged International List Number	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
	ALL CAUSES	501	283	218	22	29	2	4	.....	.....	35	5	13	20	18	41	70	99	115	72	13	.....
1	Typhoid and paratyphoid fever .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
2	Typhus fever .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
3	Smallpox .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
4	Measles	1	.....	1	.....	.....	.....	1	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
5	Scarlet fever	1	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....
6	Whooping cough	1	1	.....	1	1	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
7	Diphtheria .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
8	Influenza	5	3	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2	1	.....	2	.....	.....	.....
9	Plague .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
10	Tuberculosis of the respiratory system	14	8	6	2	.....	.....	.....	.....	.....	.....	.....	.....	3	2	2	3	1	2	1	.....	.....
11	Other forms of tuberculosis	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....
12	Syphilis	3	2	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	1	1	.....	.....	.....
13	Malaria .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
14	Other infectious and parasitic diseases .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
15	Cancer and other malignant tumors	62	32	30	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	2	5	16	21	14	3	1	.....
16	Tumors, nonmalignant, or of which the nature is not specified .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
17	Chronic rheumatism and gout .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
18	Diabetes mellitus	12	9	3	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3	5	4	.....	.....	.....
19	Alcoholism (acute or chronic)	2	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	1	.....	.....	.....	.....	.....
20	Other general diseases and chronic poisonings	9	4	5	1	2	.....	1	.....	.....	3	1	.....	2	.....	.....	.....	.....	2	1	.....	.....
21	Progressive locomotor ataxia and general paralysis of the insane	2	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2	.....	.....	.....	.....
22	Cerebral hemorrhage, cerebral embolism and thrombosis	51	27	24	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	2	3	4	16	10	15	1	.....

Rate per 1,000 population, 14.3.

TABULATION OF DEATHS IN PASSAIC COUNTY FOR 1934, ACCORDING TO THE ABRIDGED INTERNATIONAL LIST OF CAUSES OF DEATH

Abridged International List Number		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
	ALL CAUSES	2935	1566	1369	94	185	17	14	14	7	237	27	93	131	173	313	476	638	593	224	30	...	
1	Typhoid and paratyphoid fever	2		2											1	1							
2	Typhus fever																						
3	Smallpox													1									
4	Measles	1		1																			
5	Scarlet fever		4			5	1				8												
6	Whooping cough	8	4	4							5							1					
7	Diphtheria	6	2	4							2			1	1	2	4	6	4	2			
8	Influenza	25	13	12	1	2	1				3												
9	Plague										1		6	40	25	27	20	8	5	2			
10	Tuberculosis of the respiratory system	134	77	57	13	1					2		7	1	2	3		1					
11	Other forms of tuberculosis	16	8	8	2		1		1						1	5	8	5					
12	Syphilis	20	14	6	4								1		1								
13	Malaria																						
14	Other infectious and parasitic diseases	12	10	2		2	3				5	1		1	1	1	3						
15	Cancer and other malignant tumors	417	190	227	7								2	1	19	64	103	121	88	17	2		
16	Tumors, nonmalignant, or of which the nature is not specified	17	3	14	1				1		1	1	1	1	2	6	1	4					
17	Chronic rheumatism and gout	7	1	6															2				
18	Diabetes mellitus	75	21	54	2								1			7	19	26	19	3			
19	Alcoholism (acute or chronic)	9	9												2	4	3						
20	Other general diseases and chronic poisonings	50	27	23		4	1			1	6	3	4	6	1	4	10	9	7				
21	Progressive locomotor ataxia and general paralysis of the insane	17	13	4	1										1	3	6	5	2				
22	Cerebral hemorrhage, cerebral embolism and thrombosis	225	130	95	2									1	2	10	41	75	70	25	1	...	

23	Other diseases of the nervous system and of the organs of special sense	37	21	16	1	5	.....	2	7	3	3	1	6	3	4	6	2	2	.....
24	Diseases of the heart	733	368	365	13	.....	.....	1	1	3	12	13	22	60	113	197	226	76	10
25	Other diseases of the circulatory system	72	34	38	2	.....	.....	.....	.....	.....	.....	1	1	3	3	10	26	24	4
26	Bronchitis	10	6	4	.....	1	.....	1	.....	.....	.....	.....	.....	2	1	.....	2	2	2
27	Pneumonias	186	103	83	20	41	6	3	4	1	55	3	7	10	13	16	19	21	30
28	Other diseases of the respiratory system (tuberculosis excepted)	19	13	6	2	3	.....	2	1	.....	6	.....	2	1	2	4	.....	2	2
29	Diarrhoea and enteritis	21	9	12	.....	10	1	1	.....	1	13	.....	2	.....	2	2	1	1	.....
30	Appendicitis	39	23	16	2	1	.....	1	.....	2	3	9	5	6	7	5	2	.....	.....
31	Diseases of the liver and biliary passages	37	20	17	.....	.....	.....	.....	.....	.....	.....	.....	4	8	6	14	5	.....	.....
32	Other diseases of the digestive system	88	54	34	3	3	.....	.....	.....	3	2	2	1	14	14	22	16	6	7
33	Nephritis	211	116	95	5	.....	.....	.....	.....	.....	4	5	6	17	34	57	56	27	5
34	Other diseases of the genitourinary system	38	26	12	.....	.....	.....	.....	.....	.....	.....	.....	3	3	3	6	12	10	6
35	Puerperal septicemia	6	6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
36	Other diseases of pregnancy, childbirth and the puerperal state	23	.....	23	.....	.....	.....	.....	.....	.....	3	11	8	1	.....	.....	.....	.....	.....
37	Diseases of the skin and cellular tissue, and of the bones and organs of locomotion	11	8	3	.....	1	.....	.....	.....	1	.....	5	1	.....	2	.....	.....	2	.....
38	Congenital debility and malformations, premature birth and other diseases of early infancy	108	56	52	5	106	1	.....	.....	107	1	.....	.....	.....	.....	.....	.....	.....	.....
39	Senility	17	5	12	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	6	9	2
40	Suicide	57	44	13	.....	.....	.....	.....	.....	.....	2	4	6	13	16	11	5	.....	.....
41	Homicide	15	10	5	2	1	.....	.....	.....	1	.....	2	5	4	2	1	.....	.....	.....
42	Violent and accidental deaths (suicide and homicide excepted)	166	128	38	6	.....	1	2	5	1	9	7	15	16	20	19	25	26	19
43	Cause of death not specified or ill-defined .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

Estimated population, 309,459.

Total resident deaths, 2,935.

Rate per 1,000 population, 9.4.

TABULATION OF DEATHS IN CLIFTON CITY FOR 1934, ACCORDING TO THE ABRIDGED INTERNATIONAL LIST OF CAUSES OF DEATH

Abridged International List Number	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
	ALL CAUSES	380	199	181	1	31	2	2	5	1	41	3	9	16	35	43	55	87	71	16	4	...
1	Typhoid and paratyphoid fever																					
2	Typhus fever																					
3	Smallpox																					
4	Measles																					
5	Scarlet fever																					
6	Whooping cough																					
7	Diphtheria	3	1	2		1	1				2							1				
8	Influenza	2	1	1				1	1					1								
9	Plague										1											
10	Tuberculosis of the respiratory system	14	5	9	1									8	3	1		1		1		
11	Other forms of tuberculosis	1	1						1		1											
12	Syphilis	4	4														2	2				
13	Malaria																					
14	Other infectious and parasitic diseases	1		1		1					1											
15	Cancer and other malignant tumors	69	30	39									1		5	10	19	22	11	1		
16	Tumors, nonmalignant, or of which the nature is not specified																					
17	Chronic rheumatism and gout	1												1								
18	Diabetes mellitus	9	2	7												1	2	1		5		
19	Alcoholism (acute or chronic)	1	1																			
20	Other general diseases and chronic poisonings..	9	6	3		2					2				1		4	1	1			
21	Progressive locomotor ataxia and general paralysis of the insane	4	3	1												1	1	1	1			
22	Cerebral hemorrhage, cerebral embolism and thrombosis	16	8	8												2	2	6	3	3		

Rate per 1,000 population, 7.5.

TABULATION OF DEATHS IN PASSAIC CITY FOR 1934, ACCORDING TO THE ABRIDGED INTERNATIONAL LIST OF CAUSES OF DEATHS

Abridged International List Number	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
	ALL CAUSES	548	309	239	27	31	5	1	1	1	39	3	21	22	46	80	101	99	107	30		
1	Typhoid and paratyphoid fever	2		2											1	1						
2	Typhus fever																					
3	Smallpox																					
4	Measles																					
5	Scarlet fever																					
6	Whooping cough																					
7	Diphtheria																					
8	Influenza	5	2	3											1		2	1				
9	Plague																					
10	Tuberculosis of the respiratory system	26	15	11	2									1	5	9	6	2	2	1		
11	Other forms of tuberculosis	5	1	4	2		1				1			3		1						
12	Syphilis	6	3	3	1												2	3				
13	Malaria																					
14	Other infectious and parasitic diseases	2	2			1	1				2											
15	Cancer and other malignant tumors	86	50	36	3										1	5	20	21	17	21	1	
16	Tumors, nonmalignant, or of which the nature is not specified	3	1	2												2			1			
17	Chronic rheumatism and gout	2		2															2			
18	Diabetes mellitus	13	6	7	2											2	5	3	3			
19	Alcoholism (acute or chronic)	3	3													1	1					
20	Other general diseases and chronic poisonings	4	1	3						1	1						2	1				
21	Progressive locomotor ataxia and general paralysis of the insane	2	1	1													2					
22	Cerebral hemorrhage, cerebral embolism and thrombosis	35	18	17	1										1	3	6	8	13	4		

Rate per 1,000 population, 8.7.

TABULATION OF DEATHS IN SALEM COUNTY FOR 1934, ACCORDING TO THE ABRIDGED INTERNATIONAL LIST OF CAUSES OF DEATHS

Abridged International List Number	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
	ALL CAUSES	488	262	226	77	40	4	2	1	1	48	4	8	23	26	40	54	115	100	59	11	...
1	Typhoid and paratyphoid fever																					
2	Typhus fever																					
3	Smallpox																					
4	Measles																					
5	Scarlet fever																					
6	Whooping cough																					
7	Diphtheria																					
8	Influenza	8	4	4	1													3	3	1	1	
9	Plague																					
10	Tuberculosis of the respiratory system	25	13	12	11			1			1			9	3	3	2	5	2			
11	Other forms of tuberculosis	1	1		1										1							
12	Syphilis	10	7	3	4											3	2	3	2			
13	Malaria																					
14	Other infectious and parasitic diseases	4		4			1				1					2			1			
15	Cancer and other malignant tumors	47	25	22	3								1		2	5	7	20	10	2		
16	Tumors, nonmalignant, or of which the nature is not specified	1		1	1												1					
17	Chronic rheumatism and gout	1		1															1			
18	Diabetes mellitus	10	2	8	2										1	1	2	2	3	1		
19	Alcoholism (acute or chronic)																					
20	Other general diseases and chronic poisonings..	7	3	4	1	4					4				1	1				1		
21	Progressive locomotor ataxia and general paralysis of the insane	2	2													1		1				
22	Cerebral hemorrhage, cerebral embolism and thrombosis	38	24	14	8										1	1	3	14	12	7		

23	Other diseases of the nervous system and of the organs of special sense	8	6	2	1	.....	.....	.....	.....	.....	.....	.....	3	.....	.....	.....	1	2	.....	1	1	.....
24	Diseases of the heart	125	67	58	11	.....	.....	.....	.....	.....	.....	.....	.....	1	5	10	15	31	31	24	8	.....
25	Other diseases of the circulatory system	10	4	6	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	5	3	2	.....	.....
26	Bronchitis .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
27	Pneumonias	26	14	12	5	6	1	.....	.....	1	8	.....	2	.....	.....	2	2	3	5	4	.....	.....
28	Other diseases of the respiratory system (tuberculosis excepted)	4	3	1	.....	.....	.....	.....	.....	.....	8	.....	.....	.....	.....	1	.....	2	.....	1	.....	.....
29	Diarrhoea and enteritis	10	6	4	2	6	2	.....	.....	.....	8	.....	1	.....	.....	3	.....	2	1	.....	.....	.....
30	Appendicitis	7	4	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
31	Diseases of the liver and biliary passages .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
32	Other diseases of the digestive system	12	7	5	2	1	.....	.....	.....	.....	1	.....	.....	.....	.....	3	1	2	3	1	1	.....
33	Nephritis	50	22	28	8	.....	.....	.....	.....	.....	.....	.....	1	1	2	3	7	12	15	8	1	.....
34	Other diseases of the genitourinary system	2	2	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	1	.....	.....
35	Puerperal septicemia	2	.....	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....
36	Other diseases of pregnancy, childbirth and the puerperal state	1	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....
37	Diseases of the skin and cellular tissue, and of the bones and organs of locomotion	2	1	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	1	.....	.....	.....
38	Congenital debility and malformations, premature birth and other diseases of early infancy	20	10	10	4	20	.....	.....	.....	.....	20	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
39	Senility	2	.....	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
40	Suicide	10	8	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	1	1	2	3	2	1	.....	.....
41	Homicide	6	4	2	1	.....	.....	.....	.....	1	1	.....	1	1	1	.....	.....	2	.....	.....	.....	.....
42	Violent and accidental deaths (suicide and homicide excepted)	36	23	13	8	3	.....	1	.....	.....	4	.....	2	9	3	2	4	4	7	1	.....	.....
43	Cause of death not specified or ill-defined	1	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....

Estimated population, 36,900

Total Resident deaths, 488.

Rate per 1,000 population, 13.2.

TABULATION OF DEATHS IN SOMERSET COUNTY FOR 1934, ACCORDING TO THE ABRIDGED INTERNATIONAL LIST OF CAUSES OF DEATH

Abridged International List Number	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
	ALL CAUSES	669	369	300	20	35	9	7	1	3	55	10	15	19	31	66	104	146	138	78	7	...
1	Typhoid and paratyphoid fever	1	1											1								
2	Typhus fever																					
3	Smallpox																					
4	Measles	3	3				1	2			3											
5	Scarlet fever	2	1	1			1				1											
6	Whooping cough	1		1		1					1											
7	Diphtheria	1		1						1	1											
8	Influenza	3	2	1													1				2	
9	Plague																					
10	Tuberculosis of the respiratory system	24	14	10	4								3	6	3	4	3	1	3	1		
11	Other forms of tuberculosis	3	1	2									1			2						
12	Syphilis	1		1	1										1							
13	Malaria																					
14	Other infections and parasitic diseases	7	5	2						1	1	3		1						1	1	
15	Cancer and other malignant tumors	81	30	51									2		2	10	18	19	20	10		
16	Tumors, nonmalignant, or of which the nature is not specified	2		2												1	1					
17	Chronic rheumatism and gout	2	2											1								
18	Diabetes mellitus	16	8	8									1			3	5	5	1			
19	Alcoholism (acute or chronic)	4	3	1											2	1		1				
20	Other general diseases and chronic poisonings..	12	3	9	1			1		1	2			1	2	1	5	1				
21	Progressive locomotor ataxia and general paralysis of the insane	3	3												1	2						
22	Cerebral hemorrhage, cerebral embolism and thrombosis	52	27	25												3	4	17	16	11	1	...

Rate per 1,000 population, 9.8.

TABULATION OF DEATHS IN SUSSEX COUNTY FOR 1934, ACCORDING TO THE ABRIDGED INTERNATIONAL LIST OF CAUSES OF DEATH

Abridged International List Number	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
	ALL CAUSES	376	220	156	.....	30	2	2	1	2	37	6	6	10	11	32	48	70	88	61	7	....
1	Typhoid and paratyphoid fever																					
2	Typhus fever																					
3	Smallpox																					
4	Measles																					
5	Scarlet fever	1		1								1										
6	Whooping cough																					
7	Diphtheria																					
8	Influenza																					
9	Plague	9	6	3										3	1	4		1				
10	Tuberculosis of the respiratory system	2	2				1				1						1					
11	Other forms of tuberculosis	1	1			1					1											
12	Syphilis																					
13	Malaria	1	1										1									
14	Other infectious and parasitic diseases	52	23	29										1	2	1	8	19	15	6		
15	Cancer and other malignant tumors																					
16	Tumors, nonmalignant, or of which the nature is not specified	4		4											1	1	1	1				
17	Chronic rheumatism and gout	1		1																		
18	Diabetes mellitus	9	2	7												1	1	1	5	1		
19	Alcoholism (acute or chronic)	1	1																			
20	Other general diseases and chronic poisonings..	5	2	3		1		1		2						1	1	1				
21	Progressive locomotor ataxia and general paralysis of the insane																					
22	Cerebral hemorrhage, cerebral embolism and thrombosis	36	21	15											2	3	7	3	12	8	1	....

383

Rate per 1,000 population, 13.2.

TABULATION OF DEATHS IN UNION COUNTY FOR 1934, ACCORDING TO THE ABRIDGED INTERNATIONAL LIST OF CAUSES OF DEATH

Abridged International List Number	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
	ALL CAUSES	2926	1537	1389	231	169	28	14	7	15	233	35	73	152	204	323	446	579	585	256	40	...
1	Typhoid and paratyphoid fever	1		1										1								
2	Typhus fever																					
3	Smallpox		1	1	1		1				1	1										
4	Measles	2		2				1		1	2											
5	Scarlet fever	2		2																		
6	Whooping cough	1		1	1			1			1							1				
7	Diphtheria	2	2					1			1											
8	Influenza	30	16	14	1	1	2	1			3		1	4	2	6	2	6	5	1		
9	Plague																					
10	Tuberculosis of the respiratory system	148	80	68	30						2		13	38	32	32	18	11	2	1	1	
11	Other forms of tuberculosis	9	5	4	3	1	1							4	1	1	2	3	3			
12	Syphilis	22	18	4	8	1					1		1	2	1	6	5	3	3			
13	Malaria																					
14	Other infectious and parasitic diseases	26	14	12	3	4	1	1			6	1	2	3	4	4	1	3	1	1		
15	Cancer and other malignant tumors	363	176	187	11					1	1		4	4	13	39	77	116	85	24		
16	Tumors, nonmalignant, or of which the nature is not specified	18	8	10	2	1					1	1	1	2	3	3	4		3			
17	Chronic rheumatism and gout	3	1	2	1									1	1				1			
18	Diabetes mellitus	77	32	45	2									1		3	5	19	21	24	4	
19	Alcoholism (acute or chronic)	5	4	1										1	4							
20	Other general diseases and chronic poisonings..	60	23	37	3	1	1	2		2	6	3	5	5	8	8	5	10	8	1	1	
21	Progressive locomotor ataxia and general paralysis of the insane	9	9		4										4	2	1	1	1			
22	Cerebral hemorrhage, cerebral embolism and thrombosis	247	121	126	15								2		3	18	41	69	80	33	1	

23	Other diseases of the nervous system and of the organs of special sense	34	18	16	3	1	2	1	1	1	5	4	2	7	2	4	5	2	2	1	....
24	Diseases of the heart	776	389	387	47	....	1	1	....	2	2	4	10	16	31	58	147	164	223	104	17
25	Other diseases of the circulatory system	55	29	26	6	....	1	....	....	1	....	....	....	1	2	5	2	11	14	15	4
26	Bronchitis	12	5	7	....	....	1	....	....	1	....	....	....	1	....	2	1	1	2	2	....
27	Pneumonias	191	102	89	25	23	12	4	1	3	43	2	6	10	15	21	27	27	28	9	3
28	Other diseases of the respiratory system (tuberculosis excepted)	26	9	17	2	2	1	....	....	....	3	....	....	3	3	5	2	3	5	2	....
29	Diarrhoea and enteritis	19	7	12	2	9	2	....	....	....	11	....	....	1	....	2	2	2	4	1	....
30	Appendicitis	25	14	11	1	....	....	....	....	....	....	4	3	2	4	3	1	3	4	1	....
31	Diseases of the liver and biliary passages	45	25	20	2	....	....	....	....	....	....	....	....	1	5	10	13	8	6	2	....
32	Other diseases of the digestive system	77	47	30	9	1	....	1	1	2	5	3	2	6	8	17	10	14	8	4	....
33	Nephritis	184	96	88	16	....	....	1	....	1	....	....	....	3	8	18	16	54	50	29	4
34	Other diseases of the genitourinary system	38	24	14	5	....	....	....	....	....	....	....	....	2	3	5	5	12	7	4	....
35	Puerperal septicemia	10	....	10	2	....	....	....	....	....	....	....	....	7	3	....	....	....	....	....	....
36	Other diseases of pregnancy, childbirth and the puerperal state	8	....	8	1	....	....	....	....	....	....	....	....	3	4	1	....	....	....	....	....
37	Diseases of the skin and cellular tissue, and of the bones and organs of locomotion	7	2	5	....	....	....	....	....	....	....	1	2	....	1	2	....	....	....	1	....
38	Congenital debility and malformations, premature birth and other diseases of early infancy	122	70	52	15	120	2	....	....	....	122	....	....	....	....	....	....	....	....	....	....
39	Senility	10	3	7	....	....	....	....	....	....	....	....	....	....	....	....	....	....	3	4	3
40	Suicide	43	30	13	....	....	....	....	....	....	....	....	....	3	4	9	8	5	11	2	1
41	Homicide	7	5	2	1	....	....	....	....	....	....	....	....	1	1	3	2	....	....	....	....
42	Violent and accidental deaths (suicide and homicide excepted)	204	144	60	9	4	1	2	2	5	14	11	13	18	24	34	32	26	17	12	3
43	Cause of death not specified or ill-defined	8	8	....	....	....	....	....	....	....	....	....	....	1	1	3	2	....	1	....	....

Estimated population, 323,206.

Total resident deaths, 2,926.

Rate per 1,000 population, 9.0.

TABULATION OF DEATHS IN ELIZABETH CITY FOR 1934, ACCORDING TO THE ABRIDGED INTERNATIONAL LIST OF CAUSES OF DEATH

Abridged International List Number	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
	ALL CAUSES	1138	600	538	73	52	10	9	2	4	77	12	29	66	99	135	188	241	213	69	9	...
1	Typhoid and paratyphoid fever											1										
2	Typhus fever																					
3	Smallpox																					
4	Measles	1		1	1							1										
5	Scarlet fever	1		1	1			1			1											
6	Whooping cough	1		1	1			1			1											
7	Diphtheria																					
8	Influenza	16	9	7			2				2		1	1	2	5		4		1		
9	Plague																					
10	Tuberculosis of the respiratory system	70	30	40	18						1		6	17	14	19	6	7	1			
11	Other forms of tuberculosis	5	4	1	1	1								2	1		1					
12	Syphilis	12	9	3	4								1	2		3	2	2	2			
13	Malaria																					
14	Other infectious and parasitic diseases	15	6	9	2	3					3	1		3	2	2	1	3				
15	Cancer and other malignant tumors	141	66	75	4									1	6	19	31	50	29	5		
16	Tumors, nonmalignant, or of which the nature is not specified	4	3	1	1	1					1					1	2					
17	Chronic rheumatism and gout	1		1													1					
18	Diabetes mellitus	28	11	17											3	2	4	5	13	1		
19	Alcoholism (acute or chronic)	4	3	1										1	3							
20	Other general diseases and chronic poisonings	19	8	11	1		2			1	3	1		1	3	1	2	6	2			
21	Progressive locomotor ataxia and genera paralysis of the insane	6	6		2											3	1	1				
22	Cerebral hemorrhage, cerebral embolism and thrombosis	105	52	53	2											2	8	16	33	32	13	1

Rate per 1,000 population, 9.6.

TABULATION OF DEATHS IN LINDEN CITY FOR 1934, ACCORDING TO THE ABRIDGED INTERNATIONAL LIST OF CAUSES OF DEATH

Abridged International List Number	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
	ALL CAUSES	182	97	85	13	18	2	1	1	1	23	4	11	16	16	31	22	26	23	9	1	...
1	Typhoid and paratyphoid fever	1		1										1								
2	Typhus fever																					
3	Smallpox																					
4	Measles																					
5	Scarlet fever																					
6	Whooping cough																					
7	Diphtheria																					
8	Influenza	2	1	1										2								
9	Plague																					
10	Tuberculosis of the respiratory system	13	8	5									2	4	4	1	1	1				
11	Other forms of tuberculosis																					
12	Syphilis	2	1	1		1					1					1						
13	Malaria																					
14	Other infectious and parasitic diseases	2	1	1									1			1						
15	Cancer and other malignant tumors	18	12	6	1									1	1	2	2	6	4	2		
16	Tumors, nonmalignant, or of which the nature is not specified	3	2	1									1			1			1			
17	Chronic rheumatism and gout	1	1											1								
18	Diabetes mellitus	2		2													1		1			
19	Alcoholism (acute or chronic)															1						
20	Other general diseases and chronic poisonings..	5	1	4									2	2								
21	Progressive locomotor ataxia and general paralysis of the insane	1	1		1										1							
22	Cerebral hemorrhage, cerebral embolism and thrombosis	12	2	10												1	2	3	2	4		

Rate per 1,000 population, 8.5.

TABULATION OF DEATHS IN PLAINFIELD CITY FOR 1934, ACCORDING TO THE ABRIDGED INTERNATIONAL LIST OF CAUSES OF DEATH

List Number Abridged International	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
	ALL CAUSES	412	194	218	49	25	1	...	1	4	31	4	5	16	19	36	63	96	87	45	10	...
1	Typhoid and paratyphoid fever																					
2	Typhus fever																					
3	Smallpox																					
4	Measles																					
5	Scarlet fever																					
6	Whooping cough																					
7	Diphtheria																					
8	Influenza	3	2	1												1		1	1			
9	Plague																					
10	Tuberculosis of the respiratory system	13	9	4	1								1	2	2	3	1	2	1		1	
11	Other forms of tuberculosis																					
12	Syphilis	5	5		2										1	2	1	1				
13	Malaria																					
14	Other infectious and parasitic diseases	2	2												1	1						
15	Cancer and other malignant tumors	59	30	29	2								1	1	2	1	15	16	15	8		
16	Tumors, nonmalignant, or of which the nature is not specified																					
17	Chronic rheumatism and gout																					
18	Diabetes mellitus	11	3	8												1	3	4	3			
19	Alcoholism (acute or chronic)	1	1												1							
20	Other general diseases and chronic poisonings	8	3	5										2		1	2		1	1	1	
21	Progressive locomotor ataxia and general paralysis of the insane																					
22	Cerebral hemorrhage, cerebral embolism and thrombosis	36	21	15	5								1			2	9	11	10	3		

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Rate per 1,000 population, 11.5.

TABULATION OF DEATHS IN RAHWAY CITY FOR 1934, ACCORDING TO THE ABRIDGED INTERNATIONAL LIST OF CAUSES OF DEATH

Abridged International List Number	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
	ALL CAUSES	156	90	66	7	9	3	...	...	1	13	1	4	12	10	13	23	20	38	20	4	...
1	Typhoid and paratyphoid fever																					
2	Typhus fever																					
3	Smallpox																					
4	Measles																					
5	Scarlet fever																					
6	Whooping cough																					
7	Diphtheria																					
8	Influenza	3		3															3			
9	Plague																					
10	Tuberculosis of the respiratory system	7	4	3	2									3	1	2		1				
11	Other forms of tuberculosis	1		1			1				1											
12	Syphilis																					
13	Malaria																					
14	Other infectious and parasitic diseases																					
15	Cancer and other malignant tumors	17	10	7						1	1					1	3	4	7	1		
16	Tumors, nonmalignant, or of which the nature is not specified																					
17	Chronic rheumatism and gout																					
18	Diabetes mellitus	2		2													1	1				
19	Alcoholism (acute or chronic)																					
20	Other general diseases and chronic poisonings..	2	1	1									1					1				
21	Progressive locomotor ataxia and general paralysis of the insane	2	2		1											1				1		
22	Cerebral hemorrhage, cerebral embolism and thrombosis	15	8	7	1											1	3		7	4		

Rate per 1,000 population, 9.2.

TABULATION OF DEATHS IN SUMMIT CITY FOR 1934, ACCORDING TO THE ABRIDGED INTERNATIONAL LIST OF CAUSES OF DEATH

Abridged International List Number	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
	ALL CAUSES	147	80	67	16	5	1	...	1	...	7	2	4	5	11	18	13	27	40	19	1	...
1	Typhoid and paratyphoid fever																					
2	Typhus fever																					
3	Smallpox																					
4	Measles																					
5	Scarlet fever																					
6	Whooping cough																					
7	Diphtheria																					
8	Influenza																					
9	Plague																					
10	Tuberculosis of the respiratory system	6	4	2	3									2	2	1	1					
11	Other forms of tuberculosis																					
12	Syphilis																					
13	Malaria																					
14	Other infectious and parasitic diseases	1	1		1																	
15	Cancer and other malignant tumors	18	6	12	1									1			3	6	4	1		
16	Tumors, nonmalignant, or of which the nature is not specified	2	1	1	1									1	1							
17	Chronic rheumatism and gout																					
18	Diabetes mellitus	3	2	1													2	1				
19	Alcoholism (acute or chronic)																					
20	Other general diseases and chronic poisonings	2	1	1									1							1		
21	Progressive locomotor ataxia and general paralysis of the insane																					
22	Cerebral hemorrhage, cerebral embolism and thrombosis	14	5	9	1												1	3	7	3		

Rate per 1,000 population, 9.6.

TABULATION OF DEATHS IN WESTFIELD TOWN IN 1934, ACCORDING TO THE ABRIDGED INTERNATIONAL LIST OF CAUSES OF DEATH

Abridged International List Number	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	20 to 29	10 to 19	30 to 39	40 to 49	50 to 59	60 to 69	70 to 79	80 to 89	90 and over	Unknown
	ALL CAUSES	138	70	68	11	7			1		8	2	4	4	3	10	22	29	28	24	4	
1	Typhoid and paratyphoid fever																					
2	Typhus fever																					
3	Smallpox																					
4	Measles																					
5	Scarlet fever																					
6	Whooping cough																					
7	Diphtheria																					
8	Influenza																					
9	Plague																					
10	Tuberculosis of the respiratory system	1		1	1								1									
11	Other forms of tuberculosis	1	1											1								
12	Syphilis																					
13	Malaria																					
14	Other infectious and parasitic diseases																					
15	Cancer and other malignant tumors	23	10	13									2				6	7	4	2		
16	Tumors, nonmalignant, or of which the nature is not specified	1		1																1		
17	Chronic rheumatism and gout	1		1	1															1		
18	Diabetes mellitus	7	3	4													2	2	2	1		
19	Alcoholism (acute or chronic)																					
20	Other general diseases and chronic poisonings	1		1													1					
21	Progressive locomotor ataxia and general paralysis of the insane																					
22	Cerebral hemorrhage, cerebral embolism and thrombosis	7	3	4	1												1	2	2	2		

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Rate per 1,000 population, 8.1.

TABULATION OF DEATHS IN WARREN COUNTY IN 1934, ACCORDING TO THE ABRIDGED INTERNATIONAL LIST OF CAUSES OF DEATH

Abridged International List Number	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
	ALL CAUSES	646	333	313	3	40	5	1	2	...	48	7	13	17	33	62	99	128	142	86	11	...
1	Typhoid and paratyphoid fever																					
2	Typhus fever																					
3	Smallpox																					
4	Measles	1	1						1		1											
5	Scarlet fever	3	1	2									2	1								
6	Whooping cough																					
7	Diphtheria																4	2				
8	Influenza	6	4	2																		
9	Plague																					
10	Tuberculosis of the respiratory system	19	10	9										4	2	6		4	3			
11	Other forms of tuberculosis	3		3									1		1			1				
12	Syphilis	2	1	1											1		1					
13	Malaria																					
14	Other infectious and parasitic diseases	1	1														1					
15	Cancer and other malignant tumors	76	26	50								1		1	1	10	18	18	19	8		
16	Tumors, nonmalignant, or of which the nature is not specified	3		3											1	1				1		
17	Chronic rheumatism and gout	2		2												1						
18	Diabetes mellitus	10	5	5									1			1	2	4	1	1		
19	Alcoholism (acute or chronic)	3	2	1																		
20	Other general diseases and chronic poisonings	6	2	4		1					1			1	1		1	1		1		
21	Progressive locomotor ataxia and general paralysis of the insane	2	1	1														2				
22	Cerebral hemorrhage, cerebral embolism and thrombosis	58	25	33												1	3	17	22	13	2	

23	Other diseases of the nervous system and of the organs of special sense	7	5	2	.....	.....	.....	.....	.....	.....	1	1	2	.....	.....	2	.....	1	.....
24	Diseases of the heart	185	100	85	2	.....	.....	.....	.....	.....	.....	1	4	5	18	32	41	52	28
25	Other diseases of the circulatory system	18	5	13	.....	.....	.....	.....	.....	.....	.....	1	1	1	1	1	7	6	1
26	Bronchitis	3	3	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	1	1	1	.....	.....
27	Pneumonias	44	27	17	.....	8	1	1	.....	10	2	2	1	3	5	7	5	7	1
28	Other diseases of the respiratory system (tuberculosis excepted) .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
29	Diarrhoea and enteritis	9	5	4	.....	8	.....	.....	.....	8	.....	.....	.....	.....	.....	1	.....	.....	.....
30	Appendicitis	10	6	4	.....	.....	1	.....	1	.....	.....	2	1	8	.....	.....	3	.....	.....
31	Diseases of the liver and biliary passages	11	8	3	.....	.....	.....	.....	.....	1	.....	.....	1	3	4	1	1	.....	.....
32	Other diseases of the digestive system	23	14	9	.....	1	.....	.....	1	.....	.....	2	6	7	3	1	3	.....	.....
33	Nephritis	57	27	30	1	.....	.....	.....	.....	.....	.....	1	4	6	12	18	15	1	.....
34	Other diseases of the genitourinary system	7	5	2	.....	.....	.....	.....	.....	.....	.....	.....	1	1	1	1	2	2	.....
35	Puerperal septicemia	2	.....	2	.....	.....	.....	.....	.....	.....	.....	1	1	.....	.....	.....	.....	.....	.....
36	Other diseases of pregnancy, childbirth and the puerperal state	1	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....
37	Diseases of the skin and cellular tissue, and of the bones and organs of locomotion	1	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....
38	Congenital debility and malformations, premature birth and other diseases of early infancy	22	13	9	.....	20	2	.....	22	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
39	Senility	2	.....	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	1
40	Suicide	10	9	1	.....	.....	.....	.....	.....	.....	.....	1	1	1	1	6	1	.....	.....
41	Homicide	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....
42	Violent and accidental deaths (suicide and homicide excepted)	37	25	12	.....	2	1	.....	3	2	6	2	4	3	6	3	4	3	1
43	Cause of death not specified or ill-defined	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....

Estimated population, 50,000.

Total resident deaths, 646.

Rate per 1,000 population, 12.9.

TABULATION OF DEATHS IN PHILLIPSBURG TOWN FOR 1934, ACCORDING TO THE ABRIDGED INTERNATIONAL LIST OF CAUSES OF DEATH

Abridged International List Number	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
	ALL CAUSES	201	110	91	1	11	3				14	2	5	8	6	29	38	33	46	16	4	...
1	Typhoid and paratyphoid fever																					
2	Typhus fever																					
3	Smallpox																					
4	Measles																					
5	Scarlet fever	1		1										1								
6	Whooping cough																					
7	Diphtheria																					
8	Influenza	1		1													1					
9	Plague																					
10	Tuberculosis of the respiratory system	7	4	3										3	1	2		1				
11	Other forms of tuberculosis	1		1											1							
12	Syphilis	1	1														1					
13	Malaria																					
14	Other infectious and parasitic diseases	1	1														1					
15	Cancer and other malignant tumors	22	10	12										1		3	7	4	6	1		
16	Tumors, nonmalignant, or of which the nature is not specified	1		1												1						
17	Chronic rheumatism and gout	1		1												1						
18	Diabetes mellitus	4	2	2									1			1	1	1				
19	Alcoholism (acute or chronic)															1						
20	Other general diseases and chronic poisonings..	1		1		1					1											
21	Progressive locomotor ataxia and general paralysis of the insane	1	1															1				
22	Cerebral hemorrhage, cerebral embolism and thrombosis	14	8	6												1	1	4	6	1	1	

Rate per 1,000 population, 10.2.

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