

# SIXTY-SEVENTH ANNUAL REPORT

OF THE

# Department of Health

OF THE

# STATE OF NEW JERSEY

1944



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Trenton, New Jersey

1945

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Department of Health of the State of New Jersey

JAMES M. CARLISLE, M.D., *President*..... Westfield  
LOUIS P. BOOZ, C.E., *Vice-President*..... Perth Amboy  
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JOHN V. BISHOP..... Columbus  
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ROBERT P. FISCHELIS, Phar. D..... Trenton  
MISS MARGARET L. MACNAUGHTON..... Jersey City  
FRANK J. OSBORNE..... East Orange  
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E. W. SMILLIE, V.M.D..... Princeton

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

EDMUND R. OUTCALT, *Deputy Secretary*

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

STATE OF NEW JERSEY,

DEPARTMENT OF HEALTH,

TRENTON, N. J., August 16, 1944.

*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, 1944.

JAMES M. CARLISLE, M.D.,

*President,*

*State Department of Health.*

STATE OF NEW JERSEY,

DEPARTMENT OF HEALTH,

TRENTON, N. J., August 16, 1944.

*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, 1944. The reports of the Bureau Chiefs will give comprehensive accounts of the activities of the eleven Bureaus and other sub-divisions of the Department during the year.

Respectfully submitted,

J. LYNN MAHAFFEY, M.D.,

*Director of Health.*

## Report of the Director of Health

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By J. LYNN MAHAFFEY, M.D.

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The Department continued during 1943-1944 to apply its resources toward the promotion and preservation of the public health, and exerted its efforts principally in the fields which have a definite relation to the prosecution of the war. It has endeavored to profit by the experience gained as a result of mass physical examinations of men and women who have been examined for service in the armed forces, and is expanding those activities which aim at the prevention of physical handicaps which present public health problems. Particular stress has been placed upon the health of workers in war industries, vigilance has been exercised to keep communicable diseases from transmission into military reservations, special problems have been encountered in maintaining healthful standards of food and water, and it has been necessary to attack situations which have brought about insanitary conditions in the State. The incidence of some communicable diseases has increased somewhat during the present fiscal year, probably due to the abnormal movement of population, but no disease has become dangerously prevalent in epidemic proportions.

The activities of the State Department of Health have greatly expanded during the past few years and several specialized programs in preventable disease control have developed to a stage where they have become individual units in the Department. At the Department's meeting of February 8, 1944, it was on motion voted to create a Bureau of Preventable Disease Control, in which would be concentrated and co-ordinated all work in relation to the control of preventable diseases conducted by the State Department of Health. It was decided that the projected Bureau need not be activated at present, because of personnel shortages and other wartime difficulties, but that a framework for the Bureau's activities should be provided, into which could be fitted such plans as might be agreed upon at the time of activation and implementation. An advisory committee for the Preventable Disease Control Program has been appointed for the purpose of studying the subject.

## RESTRICTION OF DISEASE

Several of the reportable diseases showed an increase during the calendar year 1943. Influenza, measles (epidemic cerebrospinal), and pneumonia case reports showed increases over the preceding year. On the other hand, diphtheria case reports established a new low annual figure of 155 during 1943. Poliomyelitis (acute anterior) was less prevalent than in any year since 1940. Typhoid fever cases in 1943 also reached the lowest annual figure ever recorded in this State. Reported cases of whooping cough also showed a decrease. Statistics on these and other reportable diseases may be found in the report of the Bureau of Local Health Administration.

In the year ending June 30, 1944, 53 cases of canine rabies were reported, as against 111 in the previous fiscal year. One case of human rabies was reported, resulting in the death of the infected individual.

## TUBERCULOSIS CONTROL PROGRAM

The newly established Tuberculosis Control Program has acquired during the past fiscal year a central office of administration, its own photofluorographic unit and a developing room. With these facilities, it has been possible to proceed with the mass X-ray examinations of industrial workers with increased efficiency. Both management and labor have recognized the value of the mass X-ray examinations, with the result that so many requests for surveys have been received that difficulty is being experienced in complying with the applications because of limited personnel and equipment.

## VENEREAL DISEASE

A new plan for providing penicillin and hospitalization for cases of early syphilis and gonorrhoea has given new impetus to the venereal disease control program. The release of limited supplies of penicillin for the treatment of syphilis and gonorrhoea in civilians has prompted formation of a plan whereby this Department offers to supply penicillin and to pay for the hospitalization of certain types of cases among the medically indigent. Further details of the aforesaid plan may be found in the report of the Bureau of Venereal Disease Control. It is believed that the rapidity and efficiency with which such cases may be treated with the new drug will have far-reaching effects in the control of the venereal diseases.

The Department has continued its program of co-operation with the military authorities and Selective Service on many matters pertaining to venereal disease control. Problems connected with the discharge of men from the services are already being anticipated, and plans are being made for their solution.

The regular program of case finding and case holding, clinic operation and education has been continued during the fiscal year.

## NEW DENTAL HEALTH ACTIVITIES

New impetus has been given to interest in dental health activities in this State by the realization that dental defects have proved to be alarmingly prevalent among the thousands of men examined for military service. This fact, and the necessity for preserving the health of the home front, have enabled the Department's Bureau of Dental Health to secure gratifying co-operation from many State and local health, welfare and educational agencies. Thus, it has been possible to add several new activities to the Bureau's program, a list of which may be found at the end of the report of the Bureau of Dental Health. Of particular interest is the completion of plans for a new mobile dental clinic, which it is hoped will make the Bureau's program in rural areas increasingly effective.

As the result of a recent survey of dental conditions among school children in several areas of the State, it was learned that school children of six communities in South Jersey have better teeth than children in twenty-six North Jersey communities. This is attributed to the fact that the fluorine content of certain public water supplies in South Jersey is between 1 and 2.4 parts per million, whereas in the North Jersey areas, the public water supplies contain relatively little or no fluorine.

## BUREAU OF INDUSTRIAL HEALTH

On March 14, 1944, the Bureau of Industrial Health was established by the State Board of Health to succeed the former Industrial Hygiene Service. A significant indication of the growing acceptance which the services of this Bureau are meeting can be found in the fact that during the past fiscal year, forty-eight per cent of plant visits by its personnel were made at the request of the industrial interests themselves. The program of services offered by this Bureau has been broadened and strengthened, and is proving increasingly effective in contributing toward the health and well-being of industrial workers throughout the State during this wartime period when unusual demands are made upon the individual.

## NATIONAL AWARD MADE TO NEGRO HEALTH PROGRAM

In March, 1944, the United States Public Health Service through Roscoe C. Brown, M.D., Senior Health Education Specialist, National Negro Health Movement, awarded the All-American Trophy for the best 1943 Health Week and Year-Round Program in the Nation to the Negro Health Program of this Department.

## FOOD, DRUGS AND COSMETICS

Wartime conditions have increased difficulties in maintaining high standards for foods, drugs and cosmetics. Shortages of skilled workers, raw materials and equipment, brought about by the war, have contributed to these difficulties. The personnel of the Department's Bureau of Food and Drugs has made every effort to cope with the situation, and it is felt that their vigilance has contributed in a substantial measure towards the maintenance of the health of both the military and the civilian population of New Jersey.

An interesting account of particular problems arising in this field during the past fiscal year may be found in the report of the Bureau of Food and Drugs.

## MATERNAL AND CHILD HEALTH

The maternal and infant mortality rates in New Jersey remain low, despite the increased birth rate and the decrease in available medical and nursing personnel. The maternal mortality rate, in fact, during the calendar year 1943, was the lowest ever recorded in this State.

During the past fiscal year, the Bureau of Maternal and Child Health has continued its administration of the Emergency Maternity and Infant Care Program for the obstetrical care of wives and pediatric care of infants of men in the armed forces. Nearly half a million dollars has been appropriated, and authorized cases for maternity care have increased to one thousand a month. Authorized care for sick infants under this program has averaged about one hundred cases a month. The E. M. I. C. Program has become one of the major wartime projects under the supervision of the Department.

## VITAL RECORDS

The demand for birth certificates decreased somewhat during the calendar year 1943, employment in war plants having attained its peak. On the other hand, there was an increase of more than 100% in the issuance of certificates as proof for dependency allotments, and for claims against the Government due to the death of men in the armed forces.

## CONCLUSION

The Department has carried out its responsibilities during the year in spite of handicaps produced by the loss of technically trained personnel and scattered, congested working quarters. Federal subsidies have increased during recent years from \$300,000 to over \$1,500,000 per annum and the personnel from 200 to nearly 600 full-time and part-time employees. The

expansion of the office and laboratory space has not been adequate to accommodate such growth properly. The offices of the various bureaus are scattered throughout the city of Trenton and the laboratories are housed in three office buildings which are widely separated. Proper co-ordination of activity and the elimination of lost motion are almost impossible under such conditions and the need for a single building is obvious.

The State Department of Health extends its appreciation for the co-operation and assistance received from the various agencies with which it has been associated during 1943-1944. From the U. S. Public Health Service at the national level down through the boards of health of the municipalities and the unofficial agencies interested in the public health, the spirit of service during this period of emergency has demonstrated very clearly that this Democracy is alert to its problems in health conservation and is ready to solve them as they appear.

## Report of Bureau of Administration

For the Year Ending June 30, 1944

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By EDMUND R. OUTCALT, *Chief*

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The State Department of Health at its meeting held on July 13, 1943, elected James R. Carlisle, M.D., as President, and at its meeting of September 14, 1943, elected Louis P. Booz, C.E., as Vice-President, for the fiscal year ending June 30, 1944.

Mr. Frank J. Osborne of East Orange was appointed to membership on the Board by the Governor and confirmed by the Senate on April 12, 1943, for the four-year term expiring June 30, 1947. The following were reappointed by the Governor on March 15, 1943, to membership on the Board for the same term: Walter G. Alexander, M.D., of Orange, confirmed by the Senate on March 29, 1943; Robert P. Fischelis, Phar. D., of Trenton, confirmed by the Senate on August 12, 1943.

At the Department's meeting of July 13, 1943, Leverett D. Bristol, B.S., M.D., Dr. P.H., of Montclair, New Jersey, was elected Director of Health for the four-year period ending June 30, 1947. At the Department's meeting of September 14, 1943, it was reported that Dr. Bristol had not accepted the office. Accordingly, another election for Director of Health was held. As a result, J. Lynn Mahaffey, M.D., of Haddonfield, New Jersey, was unanimously elected Director of Health of the State of New Jersey for the four-year period ending June 30, 1947.

At the meeting of September 14, 1943, the following committees were appointed by the President to serve during the year:

*Budget Committee:* Dr. Fischelis, Chairman; Dr. Smillie; Miss MacNaughton; Mr. Daniels.

*Legislative Committee:* Dr. Alexander, Chairman; Mr. Booz; Mr. Bishop; Dr. Collier; Dr. Schweikhardt.

*Organization and Salaries of Personnel:* Miss MacNaughton, Chairman; Mr. Daniels; Dr. Smillie; Mr. Booz; Dr. Fischelis.

*Dental Committee:* Dr. Schweikhardt, Chairman; Dr. Baker; Mr. Bishop; Dr. Collier.

*Tuberculosis Committee:* Dr. Collier, Chairman; Mr. Osborne; Dr. Alexander; Dr. Baker.

*Nursing Committee:* Dr. Alexander, Chairman; Dr. Baker, Miss MacNaughton.

*Milk Committee:* Mr. Bishop, Chairman; Mr. Booz; Mr. Daniels; Dr. Smillie; Mr. Osborne.

*Industrial Hygiene Committee:* Dr. Smillie, Chairman; Mr. Daniels; Mr. Osborne; Mr. Booz.

*War Activities Committee:* Dr. Fischelis, Chairman; Dr. Collier; Mr. Daniels; Dr. Schweikhardt.

The following Board members were appointed to serve as Advisory Members to certain activities of the Department as follows:

*Education and Publicity:* Dr. Schweikhardt.

*Bureau of Engineering:* Mr. Daniels, Mr. Booz.

*Bureau of Food and Drugs:* Drugs, Dr. Fischelis; Milk, Mr. Bishop.

*Bureau of Local Health Administration:* Mr. Osborne.

*Bureau of Maternal and Child Health:* Miss MacNaughton and Dr. Baker.

*Negro Health Program:* Dr. Alexander.

*Rabies Control Unit:* Dr. Smillie.

*Sanitary Shellfish Control:* Mr. Booz.

At the Department's meeting of October 11, 1943, Dr. Fischelis was appointed Advisory Member to the Bureau of Chemistry. At the same meeting it was on motion voted to replace the Industrial Hygiene Committee named at the September meeting by an Advisory Member. It was agreed that Dr. Carlisle should serve in that capacity.

At the meeting of December 14, 1943, the President appointed the following Advisory Committee for the proposed Preventable Disease Control Program: Dr. Collier, Dr. Alexander, Dr. Baker and Mr. Osborne.

## BOARD OF EXAMINERS AND EXAMINATIONS

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

At the meeting of February 8, 1944, Patrick J. Monaghan, Newark; James J. Hagan, Jersey City; Samuel L. Salasin, M.D., Atlantic City; together with John E. Bacon, C. K. Blanchard and L. M. Lounsbury, D.V.M., of the State Department of Health were appointed as members of the Board of Examiners of Health Officers and Inspectors for the ensuing year. The Board re-organized by the election of Samuel L. Salasin, M.D., as President and John E. Bacon as Secretary.

During the year there were filed with the Department 103 applications for examination as Health Officer or as Inspector of the various classes.

Licenses were issued to those receiving a general average of 70% or more, as follows: Health Officer, 21; Sanitary Inspector, First Class, 10; Sanitary Inspector, Second Class, 8; Sanitary Inspector, Third Class, 2; Plumbing Inspector, 25; Veterinary Meat Inspector, 3; Food and Drug Inspector, Lay Meat Inspector and Milk Inspector, none.

## ANNUAL CONFERENCE

The 34th Annual Conference of State and Local Health Officials of New Jersey was held in the State House, Trenton, on February 25, 1944. The program of the Conference follows:

*Morning Session, 10:30 A. M.*

Problems in Licensing Boarding Homes for Children.

Julius Levy, M.D., and Miss Mary Sullivan, State Department of Health.

Andrew J. Krog, Plainfield; Alphonsus L. Mohan, Fort Lee.

Discussion.

Newer Aspects of Venereal Disease Control.

Glenn S. Usher, M.D., Chief, Bureau of Venereal Disease Control.



*Afternoon Session, 2:00 P. M.*

J. Lynn Mahaffey, M.D., Director of Health, presiding

How Combined Health Districts Can Be,  
and Now Are, Set Up in New Jersey.

Panel led by

City-Suburban Type.

Suburban Group.

Regional Health Commission.

Regional Health Commission.

Regional Health Commission  
(doing V. D. Control only).

County Health Committee Type.  
Future Possibilities.

The Public Health Program in New Jersey.

Progress of the E. M. I. C. Plan.

Skit: E. M. I. C. could mean "Every Mail Includes Comedy"

Loreto Manning, Mildred Nevil, Winifred Mallette

Recent Advances in Chemotherapy, Including Penicillin and Other Antiotics.

James M. Carlisle, M.D., President, N. J. State Department of Health.

Chest X-rays may be obtained at the demonstration downstairs in the Assembly Lounge. Dr. A. Joseph Hughes, Medical Assistant, in charge.

*Evening Session, 7:30 P. M.*

Motion Pictures.

Barriers to the Importation of Tropical Diseases into the United States.

Alfred Russell, M.D., Senior Surgeon,  
U. S. Public Health Service, Liaison  
Officer, Second Service Command.

The Expanding Horizons of Public Health.

Reginald M. Atwater, M.D., Executive  
Secretary, American Public Health Association.

Cecil K. Blanchard, Asst. Epidemiologist.  
Joseph F. Emmons, Health Officer, Long  
Branch Unit.

Edwin F. Stewart, M.D., Health Officer,  
Fairhaven, Little Silver, etc.

Cornelius M. Bowen, Health Officer, R. H.  
Commission No. 1, Bergen County.

H. R. H. Nicholas, District Health Officer.  
Harry F. Leeds, District Health Officer.

Dennis J. Sullivan, Chairman, Committee  
on Larger Health Districts.

E. R. Coffey, M.D., Medical Director,  
District No. 1, U. S. Public Health  
Service.

Carl E. Weigle, M.D., Bureau of Maternal  
and Child Health.

## ANIMAL EXPERIMENTATION

During the fiscal year 1943-44, two permits for experimentation on animals were granted, in accordance with the provisions of section 4:22-16 of the Revised Statutes, as follows:

Permit dated September 14, 1943, to Margaret Hague Maternity Hospital, Jersey City, to use living animals in certain of its researches as to the toxemias of pregnancy.

Permit dated May 9, 1944, to Monmouth Junior College, Long Branch, to conduct scientific experiments in certain of its classes in physiology and biology, on pithed and anesthetized rats, guinea pigs and frogs, in support of assignments in the circulatory, muscular, nervous and excretory systems.

## LEGISLATION

The following legislation of interest to health officials was enacted by the Legislature during the year 1944:

S-41, *Chap. 14, Barton*. To make persons who smoke in any bus or trolley car disorderly persons with a maximum fine of \$10.

S-56, *Chap. 70, Eastwood*. To enable the State Department of Health to receive and use Federal funds for the purpose of maintaining a hospital for infectious venereal diseases.

S-63, *Chap. 88, Armstrong*. To include silicosis and asbestosis as occupational diseases under the Workmen's Compensation Act.

S-101, *Chap. 26, Mathis*. To include isonipecaine under the Uniform Narcotic Drug Act.

S-110, *Chap. 53, Summerill*. To make persons who spit in public buses disorderly persons; provides a fine of not more than \$10.

S-118, *Chap. 224, Pyme*. To permit Boards of Chosen Freeholders to appropriate money for the maintenance and equipment of dental clinics for the treatment of indigent persons of school age.

A-161, *Chap. 214, Lasher*. To permit the Passaic Valley Sewerage Commission to enter into leases with municipalities or sewage districts under terms which take into consideration the amount of flow and discharge of sewage involved.

A-176, *Chap. 121, Minard*. To prescribe the conditions under which agencies concerned with water supply in New Jersey may co-operate with similar agencies in New York and Pennsylvania in the diversion of water from the Delaware river basin.

The following bills were introduced in the Legislature, but had not become laws at the time this report was submitted:

S-42, *Barton*. To make dermatitis venenata an occupational disease under the Workmen's Compensation Act.

S-44, *Barton*. To provide an elective and permissive system of compensation for silicosis and asbestosis under the Workmen's Compensation Act.

S-58, *Summerill*. To give local boards of health authority to regulate the heat in certain residences occupied by two families in the same manner now granted with reference to larger apartment houses.

S-67, *Pierson*. To establish a program within the State for the study and treatment of cancer.

S-68, *Pierson*. To permit marriage by proxy where one person is in military or naval service and outside continental United States.

S-108, *Summerill*. To permit the State Department of Health to adopt regulations and standards established by the Federal Security Administration with reference to the Food and Drug Act.

S-109, *Summerill*. To fix penalties for first and subsequent violations of food and drug law.

S-189, *Eastwood*. To require private nursing homes and hospitals to declare financial ability and necessary qualifications before being licensed by State Department of Institutions and Agencies.

S-199, *Summerill*. To authorize the State Department of Health and local boards of health to require an examination to be made in suspected cases and known contacts with cases of communicable diseases.

S-247, *Summerill*. To forbid persons or corporations from maintaining polluted water supplies for domestic or potable use; regulates disposal of refuse; fixes penalties.

S-254, *Summerill*. To give certain concurrent powers to the State and local boards in efforts to control venereal diseases.

A-117, *Fleming*. To create the office of Medical Examiner in third-class counties.

A-268, *Fleming*. To require municipal police to canvass all unlicensed dogs within municipality and to report to municipal clerk and local and State health departments; to eliminate necessity for municipalities to forward monthly information to State Department of Health covering data on dogs licensed.

A-279, *Howell*. To include silicosis, asbestosis and dermatitis as compensable occupational diseases under the Workmen's Compensation Act.

A-296, *Artaserse*. To regulate the manufacture and sale of bedding and upholstery.

## APPROPRIATIONS

During the fiscal year ending June 30, 1944, there was appropriated through State and Federal sources to the New Jersey State Health Department the sum of \$2,156,126.24.

The State Legislature appropriated \$651,041.42 and the following sums were received from the Federal government:

Social Security Act, Title V (U. S. Children's Bureau) .....	\$108,309.67
Emergency Maternity and Infant Care Program (U. S. Children's Bureau) .....	976,869.05
Social Security Act, Title VI (U. S. P. H. S.) .....	243,263.58
Venereal Disease Control Act (U. S. P. H. S.) .....	176,642.52
<b>Total Federal Funds .....</b>	<b>\$1,505,084.82</b>

In addition to the foregoing appropriations, \$79,060.46 was received from dog registration fees, \$19,745.71 of which was used for rabies control. In accordance with the provisions of Chap. 151, P. L. 1941, the sum of \$27,724.02 was transferred to the General Fund of the State from the revenue received from this source.

STATEMENT OF REVENUE OF THE DEPARTMENT OF HEALTH OF THE STATE OF NEW JERSEY  
FOR THE YEAR ENDING JUNE 30, 1944

Source	Amount
Analyses of Water Samples .....	\$754.00
Audiometer Rental .....	190.00
Laboratory Receipts .....	74.22
Licenses—Cold Storage .....	470.00
" Goat Milk .....	110.00
" Ice Cream .....	5,515.00
" Milk Plant .....	16,575.00
" Narcotics .....	260.00
" Sewage and Water Plant Operators .....	4,392.60
Penalties, Violations Food and Drug Laws .....	9,183.83
" Dog Control Act .....	450.00
Searches of Vital Certificates .....	39,489.82
<b>Total Revenue Transmitted to the State Treasury .....</b>	<b>\$77,464.47</b>

STATEMENT OF EXPENDITURES OF THE DEPARTMENT OF HEALTH OF THE  
STATE OF NEW JERSEY FOR THE YEAR ENDING JUNE 30, 1944

DEPARTMENT OF HEALTH

CENTRAL ADMINISTRATION BUREAUS

	Adminis- tration	Bacteri- ology	Chemistry	Dental Health	Engineer- ing and Sanitation	Food and Drugs	Infect Health	Negro Health	Vital Statistics	Totals
Salaries .....	\$28,238.19	\$36,458.80	\$22,197.67	\$28,991.68	\$39,767.12	\$54,170.65	\$41,067.31	\$7,579.92	\$43,398.01	\$301,869.35
War adjustment (Bonus) .....	597.23	1,238.10	692.39	174.73	1,187.76	1,949.15	978.15	273.60	1,430.32	8,421.43
Laboratory supplies .....	16,899.49	26.82	2,238.73			541.59				19,679.81
Laboratory receipts .....										26.82
Anti-pneumonia sera .....						18.00				282.68
Biological assays .....										18.00
Diphtheria & smallpox vaccine .....							3,390.23			3,390.23
Whooping cough immunization .....							5,948.12			5,948.12
Typhoid vaccine .....							15.88			15.88
Stationery & office supplies .....	2,532.02			1,206.81		498.74	118.41			3,149.17
Auto maintenance .....	217.90			744.08		187.85	632.51			2,245.07
Engineering supplies .....					52.18		15.00			744.08
Dental health education material .....	20.24	13.50	35.95	916.74						916.74
Other materials and supplies .....										136.87
Inspectors' supplies .....										136.87
Travel .....	1,901.67	96.54	98.63	441.96	2,328.85	9,387.09	1,145.36	1,143.58	27.27	16,570.95
Insurance .....	238.80			67.33	42.65	784.66	42.50			1,175.94
Printing .....	3,245.22	1,542.17	145.24		856.19	474.92	493.69	99.63	2,582.34	9,430.40
Binding .....										724.51
Rental of tabulating machines .....										708.00
Rents (offices) .....				640.00	420.00	383.51	588.00	480.00		1,296.00
Rents (garages) .....					178.42	166.15	214.50			1,079.01
Court expenses .....	61.00									61.00
Maintenance of dental trailer .....					49.79					49.79
Other miscellaneous expenses .....	16,059.90	1,063.20	77.80	10,568.11		2,265.34		35.00	17.87	28,000.00
(incl. purchase of new trailer)				64.01						64.01
Maintenance of boats & plants .....										
Laboratory equipment .....		459.50								459.50
<b>Totals .....</b>	<b>\$53,112.17</b>	<b>\$57,798.12</b>	<b>\$25,486.41</b>	<b>\$41,864.56</b>	<b>\$46,833.85</b>	<b>\$70,732.18</b>	<b>\$54,975.61</b>	<b>\$9,611.73</b>	<b>\$48,888.32</b>	<b>\$409,302.95</b>

STATEMENT OF EXPENDITURES OF THE DEPARTMENT OF HEALTH  
OF THE STATE OF NEW JERSEY FOR THE YEAR ENDING

JUNE 30, 1944

STATE FUNDS

APPROPRIATIONS FOR SPECIFIC PURPOSES

	Veneral Disease Control	Maternal and Child Health	Industrial Health	Totals
Salaries .....	\$15,157.17	\$91,928.06	\$7,442.32	\$114,527.55
War adjustment .....	490.39	5,063.36	231.17	5,784.92
Laboratory supplies, drugs and biolog- icals .....	4,894.64			4,894.64
Stationery and office supplies .....	286.75	1,255.51	244.42	1,786.68
Travel .....	1,023.32	12,566.88	2,677.48	16,267.68
Printing .....	1,035.29	457.16	981.91	2,474.36
Miscellaneous expenses .....	321.76	332.29		654.05
Rent (office) .....			1,560.00	1,560.00
Laboratory equipment and installation .....			2,024.15	2,024.15
Baby station supplies and silver nitrate .....		566.46		566.46
<b>Totals .....</b>	<b>\$23,209.32</b>	<b>\$112,169.72</b>	<b>\$15,161.45</b>	<b>\$150,540.49</b>

TOTAL EXPENDITURES FROM STATE FUNDS

Central administration bureaus .....	\$409,302.95
Appropriations for specific purposes .....	150,540.49
<b>Total .....</b>	<b>\$559,843.44</b>

STATEMENT OF EXPENDITURES OF THE DEPARTMENT OF HEALTH  
OF THE STATE OF NEW JERSEY FOR THE YEAR ENDING

June 30, 1944

## FEDERAL FUNDS

Project	Salaries	Travel	Materials, Supplies and Services	Total Expendi- tures
<i>Title VI, Social Security Act</i>				
Bureau of Administration .....	\$14,202.70	\$779.73	\$8,481.50	\$23,463.93
Bureau of Bacteriology .....	25,455.66	.....	242.51	25,698.17
Bureau of Chemistry .....	12,827.48	.....	1,398.48	14,225.96
Bureau of Dental Health .....	10,622.06	660.61	2,986.05	14,268.72
Bureau of Engineering and Sanitation .....	19,688.21	1,081.46	2,125.37	22,895.04
Bureau of Food and Drugs .....	14,822.29	4,524.89	3,180.40	22,527.58
Bureau of Local Health Administration .....	10,253.68	1,693.99	4,264.58	16,212.25
Atlantic, Cape May State Health District .....	2,763.62	29.76	227.53	3,020.91
Bergen, Passaic State Health District ..	3,174.00	295.37	163.86	3,633.23
Burlington State Health District .....	7,823.53	1,794.62	459.17	10,077.32
Camden, Salem, Gloucester, Cumberland State Health District .....	5,757.73	1,028.23	463.63	7,249.59
Monmouth, Ocean and Part of Middlesex State Health District .....	3,174.00	367.58	107.40	3,648.98
Somerset, Hunterdon, Middlesex, Camp Kilmer State Health District .....	4,027.97	892.49	408.46	5,328.92
Sussex, Warren, Morris State Health District .....	5,036.88	986.97	839.45	6,863.30
Fort Dix Regional Health District ...	4,784.25	634.59	410.07	5,828.91
Gloucester City Area .....	1,880.51	107.28	.....	1,987.79
Bureau of Vital Statistics .....	7,634.73	57.24	2,035.74	9,727.71
Bureau of Industrial Health .....	.....	631.07	2,953.15	3,584.22
In Service Field Orientation .....	.....	.....	1,000.00	1,000.00
Tuberculosis Control Unit .....	588.00	350.33	6,360.55	7,298.88
Training .....	.....	.....	2,000.00	2,000.00
<i>Total Expenditures—Title VI, Social Security Act</i> .....	\$154,517.30	\$15,916.21	\$40,107.90	\$210,541.41

STATEMENT OF EXPENDITURES OF THE DEPARTMENT OF HEALTH  
OF THE STATE OF NEW JERSEY FOR THE YEAR ENDING

JUNE 30, 1944—Continued

## FEDERAL FUNDS

Project	Salaries	Travel	Materials, Supplies and Services	Total Expendi- tures
<i>Veneral Disease Control Act</i>				
Bureau of Administration .....	\$42.25	.....	.....	\$42.25
Bureau of Bacteriology .....	3,932.64	.....	\$5,999.87	9,932.51
Bureau of Veneral Disease Control ..	75,824.09	\$8,166.47	66,832.49	150,823.05
Training of Personnel .....	.....	.....	75.00	75.00
In-Service Field Orientation .....	.....	207.86	200.00	407.86
<i>Total Expenditures—Veneral Disease Control Act</i> .....	\$79,798.98	\$8,374.33	\$73,107.36	\$161,280.67
<i>Title V, Social Security Act</i>				
<i>Total Expenditures—Maternal and Child Health</i> .....	\$77,448.65	\$8,485.12	\$478,233.71	\$564,167.48
<i>Total Federal Funds Expended</i> ...	\$311,764.93	\$32,775.66	\$591,448.97	\$935,989.56
<b>COMBINED EXPENDITURES—STATE AND FEDERAL FUNDS</b>				
<i>Salaries (and War Adjustment)—</i>				
State .....	.....	.....	\$430,603.25	.....
Federal: Title VI—Social Security Act .....	\$154,517.30	.....	.....	.....
Veneral Disease Control Act .....	79,798.98	.....	.....	.....
Title V—Social Security Act (Maternal and Child Health) .....	77,448.65	.....	.....	.....
.....	.....	.....	311,764.93	.....
.....	.....	.....	.....	\$742,368.18
<i>Other Expenses—</i>				
State .....	.....	.....	\$129,240.19	.....
Federal: Title VI—Social Security Act .....	\$56,024.11	.....	.....	.....
Veneral Disease Control Act .....	81,481.69	.....	.....	.....
Title V—Social Security Act (Maternal and Child Health) .....	486,718.83	.....	.....	.....
.....	.....	.....	624,224.63	.....
.....	.....	.....	.....	753,464.82
<i>Total Expended—State and Federal Funds</i> .....	.....	.....	.....	\$1,495,833.00
<i>Expended for Rabies Control from Dog Registration Fees</i> .....	.....	.....	.....	19,745.71

## Health Education Service

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EDWIN C. LANIGAN, *Publicity Assistant*

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Specific phases of public health education were somewhat curtailed during the fiscal year ending June 30, 1944. Restriction of automobile travel and discontinuance temporarily of the services of an exhibit manager necessarily resulted in fewer State-supervised motion picture showings to school and club audiences. However, despite man-power shortages an arrangement was made for the servicing and mailing of health and hygiene films by the State Museum, a stopgap which has worked out quite satisfactorily.

Interest of municipal health officials, institutional staff members and private organizations in health education was reflected in the participation of some 50 men and women as guest speakers on Departmental programs over Stations WTTM, Trenton, and WAAT, Newark.

Loaning its radio time to the Essex County Dental Society for 13 weeks, the dental officials expressed satisfaction for this co-operative move on the part of the State Health Department.

*Public Health News*, the accredited bulletin of the Department, was issued six times during the fiscal year, in accordance with a legislative mandate that the Director shall communicate periodically with the municipal health officials as to the state of the health of the people. New Jersey's 294 newspapers were most generous in accepting news releases sponsored by the Service, which also supervised the Department's annual exhibit at the New Jersey State Fair in September, 1943. "Office, Field and Lab," a house organ, was prepared by the Service, with Departmental employees scattered at distant military outposts maintaining contact with the Department home-front.

## Report of the Bureau of Local Health Administration

For the Year Ending June 30, 1944

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By WILLIAM H. MACDONALD, *Chief*

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Reports of cases of the 36 reportable diseases received from local boards of health during the year reached a total of 162,868 with 4,725 deaths. In 1942, the number was 69,900 with 3,933 deaths. Over 139,000 of the cases reported in 1943 were chickenpox, measles, German measles and mumps.

Diphtheria case reports established a new low annual figure of 155. The lowest previous figure was 163 in 1942. Twelve deaths were recorded, seven more than in 1942.

Influenza case reports numbered 1,329 against 439 in 1942. Deaths from this disease were 344, the highest figure since 1937.

Measles was highly prevalent during the year with 45,074 cases reported. In only one year (1941) since this disease has been reportable has a greater number been reached. Twenty-four deaths were recorded, 18 of which were in children less than five years old.

Meningitis (epidemic cerebrospinal) reports reached the highest figure ever recorded in the State. There were 892 cases reported, 229 of which were reported by military posts. Deaths numbered 126.

Pneumonia was somewhat more prevalent than in the previous five years. Case reports numbered 5,422 with 2,167 deaths against 4,429 cases and 1,726 deaths in 1942. Three hundred and fifty-three of the deaths occurred in children below one year of age.

Poliomyelitis, acute anterior, was less prevalent than in any year since 1940. Only 85 cases with 10 deaths were recorded.

Tuberculosis case reports totaled 3,868, slightly lower than the 1942 figure. The number of deaths recorded was 1,913 against 1,855 in 1942.

Typhoid fever case reports dropped from 69 in 1942 to 57 in 1943. The latter is the lowest annual figure ever recorded in this State. The number of deaths was 5, the same as in 1942.

Whooping cough showed 7,459 cases and 38 deaths recorded. Twenty-seven of the deaths were in infants under one year of age and 11 in children between one and five years.

## ANTHRAX

Eight cases of this disease were reported in 1943. All these cases were in persons employed in industrial plants where raw hides or wool were processed. None of the cases was fatal.

## MALARIA

During 1943, there were reported 20 cases of malaria. Sixteen of these cases were in military personnel who were infected outside of New Jersey. The remaining four cases were in civilians, three of whom were not infected in New Jersey. No data as to the probable place of infection for the fourth civilian case was secured.

## ROCKY MOUNTAIN SPOTTED FEVER

In 1943, reports of 16 cases of Rocky Mountain spotted fever were received. Two of the cases died. In the preceding year there were 14 cases with 2 deaths. The 1943 cases were distributed by counties as follows: Atlantic 1, Camden 4, Cape May 2, Essex 2, Gloucester 1, Monmouth 4, Ocean 1, and Union 1.

Vaccine for protective inoculations, obtained as usual from the United States Public Health Service, was furnished to physicians upon request.

## TULAREMIA

Only two cases of this disease were reported in 1943, 1 in Salem County and 1 in Cape May County. Both cases followed the handling of local wild rabbits.

## TRICHINOSIS

Thirty cases with 2 deaths from this disease were recorded in 1943. In practically all instances, case histories showed that raw or undercooked pork or pork-products had been eaten prior to illness.

## UNDULANT FEVER

The number of reported cases of undulant fever increased markedly from 47 in 1942 to 71 in 1943. Cases were reported in every county except Cape May. The highest number in any county was 10 in Morris.

Case histories were obtained either by a representative of the Bureau or by a local health official. These histories showed that 35 of the patients were regular users of raw milk; 16 used both raw and pasteurized milk; 6 used

pasteurized milk regularly but occasionally used milk of unknown kind; 11 are said to have used pasteurized milk exclusively and in 3 cases no definite information as to the use of milk was obtained. It appears, therefore, that at least 71% of the cases used raw milk. Fourteen of the cases presented occupational opportunities for infection, the patients being farmers or dairymen (11), butcher (1), veterinarian (1), and employee of a hog farm (1).

## INVESTIGATIONS OF COMMUNICABLE DISEASES

For the Year Ending June 30, 1944

During the fiscal year ending June 30, 1944, employees of the Bureau investigated 431 cases of reportable diseases, exclusive of tuberculosis. These cases were divided by diseases as follows:

Anthrax .....	1	Poliomyelitis .....	20
Chickenpox .....	26	Rocky Mt. spotted fever .....	21
Diphtheria .....	12	Rabies (human) .....	1
Dysentery .....	33	Scarlet fever .....	107
Malaria .....	9	Streptococic sore throat .....	1
Measles .....	24	Trichinosis .....	4
Mumps .....	1	Tularemia .....	1
Meningitis, epidemic cerebrospinal ..	75	Typhoid fever .....	40
Paratyphoid fever .....	3	Undulant fever .....	52

In addition to the cases listed above, investigations were made of 6 outbreaks of gastro-enteritis, mentioned below:

<i>Municipality</i>	<i>No. of Cases</i>	<i>Vector or Suspected Vector of Infection</i>
Frankford Township .....	23	Potato salad
Perth Amboy City .....	42	Egg salad sandwiches
Princeton Borough .....	230	Roast beef
Franklin Borough .....	5	Cream pie
Highlands Borough .....	4	Cream-filled pastry

Five other outbreaks of gastro-enteritis were reported to the Bureau by local health officials, as shown below:

<i>Municipality</i>	<i>No. of Cases</i>	<i>Vector or Suspected Vector of Infection</i>
Atlantic City .....	10	Hard-shell crabs
Atlantic City .....	250	Meat hash
Long Branch City .....	101	Egg salad sandwiches
Orange City .....	14	Chopped ham salad
Englewood City .....	19	Chicken aspic

## DAIRY PREMISES

During the fiscal year cases of communicable diseases were reported on 18 dairy premises. The diseases reported were scarlet fever 24 cases, tuberculosis 3, and typhoid fever 1. The daily amount of milk production on the

18 dairies was 6,285 quarts. In all instances it was possible to institute adequate precautionary measures to protect the milk from infection so that it was not necessary to interrupt the sale of the product.

#### TYPHOID CARRIERS

At the close of the fiscal year 84 persons were recorded in the files of the Department as carriers of typhoid bacilli. Seven were withdrawn from the list during the year; three by death, two by removal from the State, and two after a series of negative specimens following surgical treatment and in accord with the policy adopted by the State Board of Health on May 11, 1943. Three persons were added to the list of carriers. Two were discovered as a result of investigation of cases of typhoid fever and the other person moved to this State from another State.

#### TOXOID AND VACCINE

Diphtheria toxoid (alum precipitated), diphtheria toxoid (Ramon) and smallpox vaccine were distributed as usual through 60 stations about the State.

Reports received during the year show the toxoid distributed free by the Department was administered to 19,243 children and that 27,350 persons were vaccinated against smallpox with the State's material.

#### OTHER BIOLOGICS

Funds were made available after July 1, 1943, by act of Legislature for the purchase and distribution of whooping cough vaccine and typhoid bacterin. As promptly as practical a supply of both diphtheria toxoid-pertussis vaccine, combined, and whooping cough vaccine was placed in the distributing stations through which other biologics were made available. The amounts of these materials sent to stations during the remainder of the fiscal year were 4,100 packages of the combined material and 1,800 packages of the whooping cough vaccine. Reports received showed 7,176 children were given the combined material during the year and 1,058 children the whooping cough vaccine.

Typhoid vaccine equivalent to 5,957 5 c. c. packages was distributed during the year. This material was procured through credit for outdated pneumonia serum on hand. A large part of this material was used in labor camps and institutions.

Pneumonia serum for the treatment of patients financially unable to pay for the material was furnished during the year although requests for the ma-

terial were relatively few. The firm from which serum was purchased decided at the beginning of the fiscal year that no exchange of outdated material could be made. Accordingly, no serum was stocked during the year at any stations, dependence being placed upon special delivery mail or special messenger for delivery of serum in each case arising. Serum for 27 cases was furnished including Type I, 8 cases; Type II, 2 cases; Type III, 7 cases; Type IV, 1 case; Type VII, 2 cases; Type VIII, 3 cases; Type XVII, 1 case; Type XXIII, 1 case; Type XXVI, 1 case; Type XXXIII, 1 case. Typing serum was also furnished to approved laboratories in the State.

#### AID IN VENEREAL DISEASE CONTROL

The District Health Officers were successful in having continued 20 groups of local boards of health chiefly in small boroughs and townships to pool funds for the operation of local venereal disease clinics with aid from the State Health Department. One hundred forty-two boards of health were included in these groups for the operation of 20 clinics. The local expenditures for this purpose by these groups for the calendar year of 1943 were about \$8,500.

At the district office at Mt. Holly, at Mays Landing and at Dover, four public health nurses assigned the Bureau of Local Health Administration gave the major part of their time to venereal disease control activities. Cases were investigated at clinics, patients delinquent in treatment were followed up as well as known contacts and probable or known sources of infection. During the year these four public health nurses made 972 visits upon patients delinquent in venereal disease treatment and 641 visits upon persons reported as contacts or probable sources of infection.

#### TUBERCULOSIS AND INDUCTION BOARDS

During the year military induction boards continued to report to this Department the names and addresses of persons examined at such stations and deferred from military service with evidence suggestive of tuberculosis. Each such person was referred in turn to local agencies through district health officers or directly for follow-up to urge the individual to secure more complete examination to determine the presence or absence of tuberculosis, either in an active or arrested stage.

Request was made that the finding in such later examination be reported to this Department on special forms provided for the purpose. In addition to clerical work and office work involved, employees in district health offices made 371 visits to such deferred persons usually after local agencies had been unsuccessful in having the individual undergo the examination requested.



Since the names of draftees deferred from military service with signs of tuberculosis were first made available to this Department up to June 30, 1944, a total of 5,568 persons considered as suspected tuberculosis cases has been listed. The results of the follow-up of these cases during the entire period and the final classification of the case wherever possible are given in the following table. This reveals that 1,117 of the suspected cases were classified after more complete examination as active cases of tuberculosis.

CLASSIFICATION BASED UPON FOLLOW-UP EXAMINATIONS OF 5,568 PERSONS RECORDED AS DEFERRED FROM MILITARY SERVICE WITH EVIDENCE SUGGESTIVE OF TUBERCULOSIS

1. Active tuberculosis			
(a) Pulmonary	1110		
(b) Non-pulmonary	7		
		1117	
2. Arrested tuberculosis			
(a) Pulmonary	2369		
(b) Non-pulmonary	52		
		2421	
			3538
3. Pathology other than tuberculosis	294		
4. No apparent pathology	409		
5. In military service when followed up	89		
6. Residing out of New Jersey and so referred	533		
7. Deceased during investigation	17		
8. Not located in follow-up	208		
		1550	
9. Under investigation:			
(a) Previously reported by local boards of health as tuberculosis	62		
(b) Not previously reported by local Boards of Health as tuberculosis	418		
		480	
			5568
			=====

TUBERCULOSIS IN INDUSTRIAL PLANTS

Names and addresses of workers found to show evidence suggestive of tuberculosis in X-ray screening examination of employees in industrial plants by the mobile unit sponsored by the Department were referred to the Bureau of Local Health Administration for follow-up. In this work there was continued the general plan previously followed of referring such persons to their family physician, and to local agencies through district health offices or directly in instances in which the name of a family physician was not available or report of follow-up examination by the family physician was not received.

During the year ending June 30, 1944, there were referred to the Bureau the names of 484 persons found to show evidence suggestive of tuberculosis in the X-ray screening examination of 31,831 employees at 16 industrial plants in 10 counties. The status of the follow-up of these 484 persons as of June 30, 1944, was as follows:

CLASSIFICATION BASED UPON FOLLOW-UP EXAMINATIONS OF 484 PERSONS REFERRED AS SHOWING EVIDENCE SUGGESTIVE OF TUBERCULOSIS IN X-RAY SCREENING EXAMINATIONS IN INDUSTRY DURING THE YEAR ENDING JUNE 30, 1944

1. Number cases tuberculosis, active	31
2. Number cases tuberculosis, arrested	145
3. Pathology other than tuberculosis	53
4. No apparent pathology	65
5. Not located in follow-up	9
6. Deceased or residents of other States	14
7. Still under investigation	167
	----- 484

In addition to following up suspected cases discovered in the industrial surveys made during the year ending June 30, 1944, work was also continued on the follow-up of suspected cases discovered in such surveys previously conducted. In order to show a complete picture of the result of this work since its inception there is attached a table containing a summary up to June 30, 1944. (See page 34.)

In addition to suspected tuberculosis cases referred to this Bureau by induction stations and by the Department's mobile unit working in industries, the unit also made X-ray screening examinations of 1,413 persons not in any particular industrial group and from which 54 persons were referred as tuberculous suspects.

Up to June 30, 1944, the follow-up of these persons resulted in classifying 3 as cases of active tuberculosis and 6 as cases of arrested tuberculosis. Two were classified as "Pathology other than Tuberculosis" and 43 were still under investigation.

FORT DIX REGIONAL HEALTH UNIT

Change was made during the year in the administrative plan of the health unit operating about Fort Dix. Dr. A. L. Chapman of the United States Public Health Service, who had been directing the field work of the unit, was withdrawn from New Jersey and Mr. Ralph Fisher was appointed as District Health Officer in the Burlington County area. The regional office at Wrightstown was discontinued and the unit merged with the personnel operating from the district office at Mt. Holly.

CLASSIFICATION BASED UPON FOLLOW-UP EXAMINATIONS OF 1,197 PERSONS REFERRED AS SHOWING EVIDENCE SUGGESTIVE OF TUBERCULOSIS IN X-RAY SCREENING EXAMINATIONS IN INDUSTRY SINCE THIS WORK WAS BEGUN BY THE STATE HEALTH DEPARTMENT TO JUNE 30, 1944

County	Number Plants	Number Persons X-rayed	Number Referred for Follow-up	Classification of Persons from Rehorts of Later Examinations						* Excluded from Classification	Under Investigation
				Active TB	Arrested TB	Pathology Other Than TB		No Pathology	Not Located		
						6	3				
Bergen	2	3,697	36	4	13	6	6	0	0	7	
Burlington	3	2,270	52	3	15	1	1	2	0	8	
Camden	1	29,703	377	39	124	29	20	26	0	131	
Cumberland	2	12,380	17	1	4	0	0	0	0	12	
Essex	5	15,544	265	16	78	16	19	3	0	127	
Hudson	2	3,017	45	10	16	5	7	1	0	6	
Hunterdon	1	1,156	11	2	5	1	2	0	0	1	
Middlesex	3	4,798	75	5	25	17	12	5	0	0	
Monmouth	1	10,767	153	10	48	5	25	3	0	15	
Morris	1	958	10	2	8	3	3	0	0	52	
Salem	2	2,674	26	4	8	3	3	3	1	1	
Somerset	3	4,740	91	4	37	23	14	1	2	10	
Union	2	4,075	55	5	12	11	11	0	0	13	
Warren	1	756	4	0	0	1	0	0	0	0	
Totals	29	86,535	1,197	101	387	125	123	42	33	386	

\* Includes deceased, removal from New Jersey before later examination, etc.

## CAMP KILMER

The district office at Highland Park was continued and the force increased to consist of a clerk and two sanitary inspectors, in addition to the district health officer. A sanitarian assigned by the United States Public Health Service also was included in the personnel from this office.

## INSPECTION OF FOOD-VENDING ESTABLISHMENTS

In the areas about Fort Dix and Camp Kilmer frequent inspection is made by employees assigned by the Bureau of places offering food or drink for sale to the public. Inspections of such places are also made to a limited degree in small towns and in rural areas. During the year a total of 8,003 inspections of this type were made. As a check on dishwashing methods, swabs from utensils in a few eating places in the Fort Dix and Camp Kilmer areas were collected on alternate weeks and submitted to the laboratory of the Department for determination of total bacteria.

## CAMP INSPECTIONS

Summer recreational camps are not required to obtain licenses in New Jersey at the present time, nor to register with the State Department of Health. However, a list of 274 camps has been compiled and inspections are made annually or oftener at such camps to check on compliance with the public health laws regulating sanitation. Consultation service is also provided for camp proprietors who wish advice on improving and safeguarding their camps.

During the 1943 camping season many camps were closed due to the war. Inspection was made of 150 camps for children found operating that summer. Of this number, 65 were issued certificates of approval for sanitary safeguards of a high standard of excellence. Some of the camps not awarded certificates were good camps in most respects but failed to reach the standard fixed as a basis of approval.

Violations and other insanitary conditions usually are corrected when called to the attention of camp authorities, but the proprietors of one commercialized camp were cited to appear at a hearing at Trenton before compliance with regulations was secured.

## MIGRATORY LABOR

Temporary housing of seasonal agricultural labor on farms and in connection with food processing plants continues to be an extensive problem from the standpoint of sanitation. In Monmouth County, in accordance with ar-

agreement previously worked out, joint inspection with representatives of local boards of health was made at farm labor camps before the potato season. Recommendations were made at the time of such inspections for improvement in conditions. Conferences were held with leaders of farm groups and representatives of the State Agricultural Extension Service. Conferences were also held with several food processors maintaining camps and with representatives of the War Food Administration. The State Police visited many of the farm labor camps and submitted to this Department copies of routine reports of observations at such camps. Inspection was made at such camps to the extent practical by persons assigned by the Bureau. Improvement was noted in conditions at several of the larger camps maintained by food processors; however, at smaller farm camps inspected the degree of improvement was limited.

#### PRIVATE WATER SUPPLIES

Laboratory tests of water collected from private wells and springs, and from some lakes and streams used as bathing places, were reported upon by this Bureau. About half these samples were collected by district health officers or inspectors (349 of 731 samples). Of these 731 samples, 370, or 50.5%, were found to be safe for drinking and household use; 267, or 36.5%, were unsafe, and 68, or 9.3%, were of doubtful safety. The remaining 26 samples were from streams, lakes or pools used for bathing purposes. A considerable number of the unsafe samples were check samples from supplies found to be polluted and on which work had been done, unsuccessfully, to improve the supply. Of the 178 polluted supplies on which local boards of health were asked to report steps taken to safeguard the public, 97 satisfactory replies were received.

#### TRAINING COURSES

Training courses in public health were held by Rutgers University and the State Department of Health, as for many years past. They consisted of the usual summer courses, held two days a week for six weeks, and winter courses, usually held Wednesday evenings and Saturday afternoons at New Brunswick.

Only three winter courses were held this year, owing to wartime restrictions. Starting in October, a basic course for sanitarians gave 20 clock-hours' training to 24 employees of local boards of health. In February, a different type of course was offered, consisting of a series of six two-hour lectures on tropical diseases. This was held in Newark, for transportation convenience, and was attended by 250 physicians, laboratory workers and public health

officials. The lectures were delivered by Arthur W. Grace, M.D., of the Long Island College of Medicine, a physician experienced both in tropical medicine and in teaching. This course of lectures was most favorably received and notes on the lectures were later published and distributed to members of the medical and public health professions in New Jersey.

A companion course in the parasitology of these diseases, conducted at New Brunswick by Dr. Thurlow Nelson and Dr. Lester Stauber of Rutgers University, was attended by 49 of those who enrolled for Dr. Grace's lectures. Many who could not be accommodated in the parasitology course for lack of room and microscopes, were promised a similar course in the Autumn of 1944.

The summer courses in Public Health Administration provided 141 clock-hours of lectures, laboratory work, field trips and demonstrations for 26 students. Seven of these completed the two-summer curriculum in August, 1943, and received the Rutgers Certificate in Public Health Administration.

#### LOCAL BOARDS OF HEALTH

Information obtained from annual reports of local boards of health for the calendar year 1943 shows that these boards had available for their use in that year \$2,879,300.36, which is equivalent to 69 cents per capita for the State as a whole. The amount expended during the year was \$2,763,063.19. Some boards receive and expend funds for hospital maintenance and a few also spend money for garbage and rubbish removal. The amount reported as expended for these purposes in 1943, included in the total expenditure of \$2,763,063.19, was \$122,577.39.

#### OTHER WORK

Services rendered and work performed by the Bureau during the fiscal year included other activities not specifically referred to above. Some of these may be summarized as follows:

Number of conferences with local health officials on questions pertaining to public health .....	4,658
Number of conferences with persons other than local health officials .....	7,579
Number of meetings of local boards of health attended .....	87
Number of other meetings attended .....	406
Number of lectures given in summer courses for health officials .....	55
Number of lectures given in special courses for health officials .....	20
Number of other talks or lectures given, or papers read .....	56
Number of persons given immunizing treatments or aid given in such treatments	306
Number of specimens collected from individuals, either by employees of the Bureau or with their aid, to be examined for pathogenic bacteria .....	549
Number of other specimens and samples collected for laboratory examination .....	1,073
Number of instances aid given in diagnosis of suspected communicable disease case	10

Appended to this report are morbidity and mortality tables showing for the State and for each county, the number of reported cases and deaths and other data for each reportable disease for the year 1943. Such case and death rates as are shown were calculated by using population estimates for 1943 furnished by the United States Bureau of the Census.

REPORTED CASES AND DEATHS, CASE AND DEATH RATES FOR CERTAIN REPORTABLE DISEASES FOR 1943

DISEASE	Cases	Cases Per 100,000 Pop.	Deaths	Deaths Per 100,000 Pop.	Per Cent Fatality
Chickenpox	21,810	532.99	1	0.02	0.004
Diphtheria	155	3.78	12	0.29	7.74
Influenza	1,329	32.48	244	6.10	25.58
Pneumonia	5,422	152.50	2,167	52.35	32.96
Meningitis, E. Cerebrospinal	892	21.90	126	3.08	14.12
Measles	45,074	1,101.51	24	0.58	0.05
German Measles	51,220	1,281.71	3	0.07	0.005
Polio-myelitis, Acute Anterior	85	2.07	10	0.24	11.76
Scarlet Fever	4,080	99.70	12	0.29	0.29
Rocky Mountain Spotted Fever	16	0.39	2	0.05	12.50
Tuberculosis	3,868	94.52	1,613	46.75	49.45
Typhoid Fever	57	1.39	5	0.12	8.77
Whooping Cough	7,459	182.28	88	0.83	0.51

CASES AND DEATHS FROM OTHER REPORTABLE DISEASES FOR 1943

DISEASE	Cases	Deaths	DISEASE	Cases	Deaths
Anthrax	8	1	Rabies	0	0
Dysentery, Amoebic	41	4	Smallpox	0	0
Bacillary	8	1	Tetanus	14	4
Unspecified	10	3	Trachoma	8	2
Encephalitis, Lethargic	17	26	Trichinosis	30	2
Malaria	20	2	Tularemia	0	0
Ophthalmia Neonatorum	7	..	Typhus Fever	0	0
Mumps	20,967	8	Undulant Fever	71	0
Paratyphoid Fever	19	4			

REPORTED CASES OF COMMUNICABLE DISEASES BY COUNTIES FOR 1943

COUNTIES	Anthrax	Chickenpox	Diphtheria	Dysentery	Encephalitis, Lethargic	Influenza	Malaria	Measles	German Measles	Meningitis, Epidemic Cerebrospinal	Mumps	Ophthalmia Neonatorum	Paratyphoid Fever	Trauenoma	Acute Anterior Polyomyelitis
Atlantic	0	307	0	2	0	100	0	1,878	762	36	52	0	0	65	1
Burlington	0	2,920	13	0	0	50	0	7,012	10,142	17	172	0	0	485	1
Carroll	0	0	0	0	0	0	0	1,542	138	47	3,111	0	0	60	0
Canaan	0	0	0	0	0	51	0	2,987	212	54	380	1	0	250	1
Cape May	0	35	0	0	0	0	0	186	11	2	26	1	0	6	0
Cumberland	0	49	3	0	0	51	1	514	91	3	101	0	0	0	0
Essex	0	7,727	0	0	0	290	0	10,502	22,702	189	7,874	2	0	2,058	21
Gloucester	0	188	0	0	0	8	0	902	107	7	246	0	0	32	1
Hudson	0	0	0	0	0	1	0	3,282	1,351	129	925	0	0	430	9
Hunterdon	0	1,303	58	0	0	152	0	282	30	1	11	0	0	28	0
Mercer	0	0	8	1	0	0	0	2,139	277	14	894	2	0	230	1
Middlesex	0	538	8	0	0	0	0	1,637	584	27	42	0	1	98	6
Monmouth	0	1,123	3	0	0	7	0	619	401	32	290	1	1	84	2
Morris	0	934	2	0	0	1	0	1,091	1,574	15	1,139	0	0	100	2
Ocean	0	122	0	0	0	38	0	456	113	5	0	0	0	60	1
Passaic	1	1,108	18	0	0	0	0	2,518	3,889	18	368	0	0	136	0
Salem	0	22	8	0	0	1	0	1,637	584	27	42	0	0	20	0
Somerset	0	242	0	0	0	0	0	619	401	32	290	1	1	100	2
Sussex	0	0	0	0	0	0	0	28	122	21	129	0	0	42	1
Union	0	0	0	0	0	0	0	5,544	6,253	33	4,015	0	2	274	14
Warren	0	65	0	0	0	0	0	38	71	0	8	0	0	28	1
State institutions	0	69	0	23	0	0	0	10	89	1	25	0	0	68	0
Military posts	0	107	1	1	1	1	12	869	1,838	229	619	0	1	148	0
State total	8	21,810	355	57	17	1,896	20	46,074	51,220	592	20,807	7	10	5,422	82

## DEPARTMENT OF HEALTH

REPORTED CASES OF COMMUNICABLE DISEASES BY COUNTIES FOR 1948—(Continued)

COUNTIES	Rabies	Rocky Mountain Spotted Fever	Scarlet Fever	Streptococcal Sore Throat	Smallpox	Tetanus	Trichinosis	Tuberculosis	Typhalaria	Typhoid Fever	Typhus Fever	Undulant Fever	Whooping Cough
Atlantic	0	1	84	12	0	0	0	110	0	2	0	1	180
Bergen	0	0	463	12	0	1	13	242	0	2	0	2	1,064
Burlington	0	0	68	1	0	0	0	68	0	3	0	1	1,047
Cape May	0	2	210	0	0	0	0	210	0	4	0	0	487
Cumberland	0	0	4	2	0	1	0	22	1	0	0	0	32
Gloucester	0	0	65	0	0	0	0	36	0	3	0	0	66
Hudson	0	2	613	95	0	2	10	895	0	8	0	0	70
Hunterdon	0	1	440	7	0	0	0	39	0	1	0	1	2,747
Hunterdon	0	0	440	7	0	1	0	740	0	2	0	1	317
Mercer	0	0	22	0	0	0	0	31	0	1	0	3	33
Middlesex	0	0	826	7	0	1	0	219	0	4	0	3	201
Monmouth	0	0	95	0	0	0	0	177	0	7	0	4	70
Morris	0	0	142	2	0	2	1	158	0	6	0	2	254
Ocean	0	1	32	1	0	0	0	16	0	3	0	10	113
Passaic	0	0	203	2	0	0	0	20	0	0	0	2	70
Passaic	0	0	203	2	0	0	2	270	0	0	0	0	494
Somerset	0	0	66	4	0	0	0	20	1	0	0	0	28
Sussex	0	0	13	4	0	0	0	30	0	0	0	0	156
Union	0	1	400	4	0	0	0	256	0	4	0	0	74
Warren	0	0	35	0	0	1	0	13	0	1	0	3	21
State institutions	0	0	9	0	0	0	0	150	0	0	0	0	0
Military posts	0	0	454	0	0	0	1	27	0	0	0	0	0
State total	0	16	4,090	122	0	14	30	3,868	2	37	0	71	7,460

## LOCAL HEALTH ADMINISTRATION

RECORDED DEATHS FROM COMMUNICABLE DISEASES BY COUNTIES FOR 1948

COUNTIES	Anthrax	Chickenspox	Diphtheria	Dysentery	Encephalitis, Lethargic	Influenza	Malaria	Measles	German Measles	Meningitis, Epidemic Cerebrospinal	Mumps	Ophthalmia, Neonatorum	Paratyphoid Fever	Pneumonia	Acute Anterior Poliomyelitis
Atlantic	0	0	0	1	0	13	0	1	1	0	0	0	0	94	0
Bergen	0	0	0	0	0	20	1	1	0	4	1	0	0	100	0
Burlington	0	0	0	0	0	14	0	3	0	8	1	0	1	40	1
Cape May	0	0	4	1	0	46	1	4	0	15	0	0	0	147	3
Cape May	0	0	0	0	0	0	0	0	0	0	0	0	0	23	0
Cumberland	0	0	1	1	0	37	0	2	0	2	0	0	0	39	0
Gloucester	0	0	0	0	0	6	0	0	0	8	0	0	0	36	0
Hudson	0	0	2	2	3	22	0	7	0	13	0	0	0	41	0
Hunterdon	0	0	0	0	0	4	0	0	0	0	0	0	0	26	0
Mercer	0	0	0	0	1	16	0	1	0	5	0	0	0	11	1
Middlesex	0	0	0	0	1	17	0	0	0	0	0	0	1	106	3
Monmouth	0	1	0	0	2	14	0	0	0	10	0	0	0	106	1
Morris	0	0	0	0	1	8	0	1	0	0	0	0	0	24	0
Ocean	0	0	0	0	0	0	0	0	0	0	0	0	0	23	0
Passaic	0	0	0	0	0	0	0	0	0	0	0	0	0	159	0
Salem	0	0	1	0	3	22	0	1	0	1	0	0	0	24	0
Somerset	0	0	0	0	0	13	0	0	0	4	0	0	0	10	0
Sussex	0	0	0	0	0	8	0	0	0	0	0	0	0	10	0
Union	0	0	0	2	3	21	0	0	0	0	0	0	0	103	1
Warren	0	0	0	0	0	6	0	0	0	2	0	0	0	25	0
Warren	0	0	0	0	0	0	0	0	0	0	0	0	0	25	0
State total	1	1	12	8	20	344	2	24	8	136	3	0	4	2,107	10

DEPARTMENT OF HEALTH

RECORDED DEATHS FROM COMMUNICABLE DISEASES BY COUNTIES FOR 1943—(Continued)

COUNTIES	RECORDED DEATHS FROM COMMUNICABLE DISEASES BY COUNTIES FOR 1943—(Continued)												
	Whooping Cough	Influent Fever	Typhus Fever	Typhoid Fever	Tularemia	Tuberculosis	Trichinosis	Tetanus	Smallpox	Streptococic Sore Throat	Scarlet Fever	Rocky Mountain Spotted Fever	Rabies
Atlantic	0	0	0	0	0	0	0	0	0	0	0	0	0
Bergen	0	0	0	0	0	0	0	0	0	0	0	0	0
Burlington	0	0	0	0	0	0	0	0	0	0	0	0	0
Camden	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0
Gloucester	0	0	0	0	0	0	0	0	0	0	0	0	0
Hudson	0	0	0	0	0	0	0	0	0	0	0	0	0
Hunterdon	0	0	0	0	0	0	0	0	0	0	0	0	0
Mersex	0	0	0	0	0	0	0	0	0	0	0	0	0
Middlesex	0	0	0	0	0	0	0	0	0	0	0	0	0
Monmouth	0	0	0	0	0	0	0	0	0	0	0	0	0
Morris	0	0	0	0	0	0	0	0	0	0	0	0	0
Ocean	0	0	0	0	0	0	0	0	0	0	0	0	0
Passaic	0	0	0	0	0	0	0	0	0	0	0	0	0
Salem	0	0	0	0	0	0	0	0	0	0	0	0	0
Somerset	0	0	0	0	0	0	0	0	0	0	0	0	0
Sussex	0	0	0	0	0	0	0	0	0	0	0	0	0
Union	0	0	0	0	0	0	0	0	0	0	0	0	0
Warren	0	0	0	0	0	0	0	0	0	0	0	0	0
State total	85	100	147	11	20	490	85	11	110	60	48	25	1,013

Deaths occurring in state institutions are charged to the place of residence of the decedent. Deaths occurring at military posts are charged to the county in which the post is located.

LOCAL HEALTH ADMINISTRATION

REPORTED CASES OF DIPHTHERIA IN NEW JERSEY

For the Calendar Year 1943, by Age Groups and Months

AGE GROUPS	NUMBER OF CASES												
	Total	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Under 1 year	4	0	0	0	0	0	0	0	0	0	0	0	0
1 year	16	2	3	2	2	1	2	0	0	1	0	1	2
2 years	13	2	1	1	0	0	1	1	0	1	1	1	4
3 years	4	0	1	0	1	0	2	0	0	0	0	0	0
4 years	6	0	1	2	1	0	0	1	0	0	0	0	1
Under 5 years	43	4	6	3	4	1	5	2	0	2	1	2	8
5 to 9 years	48	7	5	3	7	3	4	2	2	2	6	2	5
10 to 14 years	28	4	0	5	1	1	2	1	0	5	0	1	2
15 to 19 years	13	6	0	1	3	1	3	0	0	2	0	1	2
20 to 24 years	2	0	0	1	0	1	0	0	0	0	0	0	0
25 to 34 years	8	1	0	1	0	2	1	0	1	0	1	1	0
35 to 44 years	7	2	0	1	0	0	1	1	0	2	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	155	24	11	20	22	9	16	6	3	13	8	7	16

REPORTED CASES AND DEATHS FROM DIPHTHERIA IN NEW JERSEY

For the Calendar Year 1943, by Age Groups and Sex

AGE GROUPS	Male		Female		Total	
	Cases	Deaths	Cases	Deaths	Cases	Deaths
Under 1 year	2	0	2	1	4	1
1 year	10	2	6	0	16	2
2 years	7	1	6	0	13	1
3 years	1	0	3	1	4	1
4 years	4	1	2	0	6	1
Under 5 years	24	4	19	2	43	6
5 to 9 years	31	1	17	1	48	2
10 to 14 years	9	1	19	1	28	2
15 to 19 years	8	0	10	0	18	0
20 to 24 years	0	0	2	1	2	1
25 to 34 years	4	1	4	0	8	1
35 to 44 years	3	0	4	0	7	0
45 to 54 years	0	0	0	0	0	0
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	79	7	76	5	155	12

REPORTED CASES OF EPIDEMIC CEREBROSPINAL MENINGITIS IN NEW JERSEY

For the Calendar Year 1943, by Age Groups and Months

AGE GROUPS	NUMBER OF CASES												
	Total	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Under 1 year	30	1	3	2	2	8	1	2	1	1	2	2	5
1 year	24	0	1	6	2	4	0	0	0	4	0	2	4
2 years	25	1	2	1	2	5	1	0	0	1	4	0	3
3 years	25	2	2	2	2	2	2	0	0	2	1	4	3
4 years	25	4	2	4	4	1	0	2	1	0	1	3	3
Under 5 years	124	8	11	15	18	20	4	4	2	6	9	8	19
5 to 9 years	71	1	11	8	13	13	7	4	2	4	3	1	2
10 to 14 years	77	5	4	12	13	6	8	4	2	4	5	4	11
15 to 19 years	160	10	18	30	21	25	17	7	5	3	8	4	14
20 to 24 years	161	14	22	39	22	27	9	4	4	3	2	6	10
25 to 34 years	130	8	15	20	18	24	16	6	3	6	5	6	12
35 to 44 years	84	1	9	12	5	14	8	3	1	2	3	1	6
45 to 54 years	35	1	2	5	5	6	5	1	2	3	1	1	1
55 to 64 years	31	4	2	7	3	5	0	1	1	1	1	3	3
65 years and over	10	0	0	3	0	2	2	0	0	0	1	0	1
Age not stated	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	892	52	92	151	119	142	75	86	23	30	40	43	89

REPORTED CASES AND DEATHS FROM EPIDEMIC CEREBROSPINAL MENINGITIS IN NEW JERSEY

For the Calendar Year 1945, by Age Groups and Sex

AGE GROUPS	Male		Female		Total	
	Cases	Deaths	Cases	Deaths	Cases	Deaths
Under 1 year	15	5	12	3	30	11
1 year	16	2	8	1	24	3
2 years	10	0	10	2	20	2
3 years	13	0	12	0	25	1
4 years	13	0	12	0	25	0
Under 5 years	70	11	54	6	124	17
5 to 9 years	43	5	28	0	71	5
10 to 14 years	43	5	34	1	77	6
15 to 19 years	128	16	32	2	160	18
20 to 24 years	126	5	35	4	161	9
25 to 34 years	104	11	35	8	139	19
35 to 44 years	34	12	30	9	64	21
45 to 54 years	26	8	9	2	35	10
55 to 64 years	17	14	4	4	31	18
65 years and over	7	2	3	3	10	5
Age not stated	0	0	0	0	0	0
Total	618	89	274	37	892	126

REPORTED CASES OF PNEUMONIA IN NEW JERSEY

For the Calendar Year 1943, by Age Groups and Months

AGE GROUPS	Total	NUMBER OF CASES											
		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1 year	386	69	46	42	35	21	28	12	11	8	15	28	71
2 years	211	35	20	26	23	10	11	10	5	5	10	18	38
3 years	127	20	12	13	11	8	7	2	2	11	6	22	2
4 years	105	14	7	6	4	8	4	4	3	5	11	24	8
Under 5 years	89	7	9	9	11	3	2	4	1	3	7	12	21
Under 5 years	918	145	94	96	97	49	57	37	23	21	48	75	176
5 to 9 years	315	23	24	22	45	20	19	13	6	12	27	40	64
10 to 14 years	209	32	16	18	20	12	10	9	15	17	18	32	2
15 to 19 years	227	31	26	29	25	16	9	17	6	14	12	9	33
20 to 24 years	222	39	12	13	14	8	8	6	3	11	13	43	3
25 to 34 years	524	72	53	54	60	35	23	17	12	20	35	32	91
35 to 44 years	604	75	66	77	73	46	21	15	22	22	42	36	109
45 to 54 years	666	67	63	93	74	51	26	3	26	25	50	135	15
55 to 64 years	640	69	59	85	62	43	26	19	19	11	46	37	162
65 years and over	1067	131	109	97	0	70	52	26	33	46	58	66	294
Age not stated	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	5422	675	543	606	602	377	251	171	162	189	321	376	1149

REPORTED CASES AND DEATHS FROM PNEUMONIA IN NEW JERSEY

For the Calendar Year 1943, by Age Groups and Sex

AGE GROUPS	Male		Female		Total	
	Cases	Deaths	Cases	Deaths	Cases	Deaths
Under 1 year	232	200	154	144	386	353
1 year	120	29	91	18	211	47
2 years	68	4	59	12	127	16
3 years	54	7	51	5	105	12
4 years	50	5	39	2	89	7
Under 5 years	524	254	394	181	918	436
5 to 9 years	174	5	141	2	315	10
10 to 14 years	126	9	83	5	209	14
15 to 19 years	129	14	90	9	227	23
20 to 24 years	132	19	90	9	222	28
25 to 34 years	287	42	227	32	524	74
35 to 44 years	375	91	229	42	604	133
45 to 54 years	454	183	242	75	666	258
55 to 64 years	466	248	231	97	640	345
65 years and over	554	393	383	248	1067	647
Age not stated	0	0	0	0	0	0
Total	3124	1261	2288	906	5422	2167

REPORTED CASES OF ACUTE ANTERIOR POLIOMYELITIS IN NEW JERSEY

For the Calendar Year 1943, by Age Groups and Months

AGE GROUPS	Total	NUMBER OF CASES											
		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Under 1 year	3	0	0	0	0	0	0	0	0	0	0	0	0
1 year	5	1	1	0	0	0	0	0	0	2	1	0	0
2 years	3	0	0	0	0	0	0	0	0	1	1	1	0
3 years	2	0	0	1	0	0	0	0	0	0	1	1	0
4 years	5	0	0	0	0	0	0	0	1	2	1	1	0
Under 5 years	19	1	1	1	0	0	0	1	6	7	2	0	0
5 to 9 years	32	0	0	1	0	0	2	0	7	14	7	1	0
10 to 14 years	20	0	0	0	0	1	0	2	5	5	5	1	0
15 to 19 years	4	0	0	0	0	0	0	0	1	3	0	0	0
20 to 24 years	5	0	0	0	0	0	0	1	1	2	1	0	0
25 to 34 years	4	0	0	0	0	1	0	0	0	2	1	0	0
35 to 44 years	0	0	0	0	0	0	0	0	0	0	0	0	0
45 to 54 years	1	0	0	0	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	85	1	1	2	1	1	3	4	20	33	16	2	1

REPORTED CASES AND DEATHS FROM ACUTE ANTERIOR POLIOMYELITIS IN NEW JERSEY

For the Calendar Year 1943, by Age Groups and Sex

AGE GROUPS	Male		Female		Total	
	Cases	Deaths	Cases	Deaths	Cases	Deaths
Under 1 year	3	1	0	0	3	1
1 year	4	0	1	0	5	0
2 years	0	0	3	0	3	0
3 years	1	0	1	0	2	0
4 years	4	0	1	0	5	0
Under 5 years	12	1	7	0	19	1
5 to 9 years	19	2	13	0	32	2
10 to 14 years	13	0	7	1	20	1
15 to 19 years	1	0	3	0	4	1
20 to 24 years	2	1	3	1	5	2
25 to 34 years	2	0	2	1	4	1
35 to 44 years	0	0	0	0	0	0
45 to 54 years	1	1	0	1	1	2
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	50	5	35	5	85	10

REPORTED CASES OF SCARLET FEVER IN NEW JERSEY

For the Calendar Year 1943, by Age Groups and Months

AGE GROUPS	Total	NUMBER OF CASES											
		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Under 1 year	18	6	8	2	0	1	0	0	0	0	0	0	1
1 year	58	21	13	4	4	2	1	1	1	4	4	6	6
2 years	149	21	13	24	26	10	11	4	1	6	7	13	13
3 years	227	32	18	38	34	16	11	4	4	4	10	27	28
4 years	247	36	33	32	28	24	16	6	2	6	18	21	29
Under 5 years	700	195	83	105	94	54	37	16	8	17	39	65	77
5 to 9 years	1547	171	199	233	181	170	89	31	23	35	97	135	165
10 to 14 years	753	64	97	143	98	102	22	11	9	19	43	56	82
15 to 19 years	411	18	46	94	105	92	13	1	5	2	7	11	17
20 to 24 years	547	30	45	115	90	31	9	1	2	1	9	7	14
25 to 34 years	234	19	23	44	32	23	9	6	6	3	4	9	21
35 to 44 years	61	6	6	16	10	13	1	0	1	3	0	3	5
45 to 54 years	17	1	2	2	2	3	1	0	0	1	0	3	2
55 to 64 years	6	2	0	0	1	2	0	0	0	0	0	1	0
65 years and over	1	0	1	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	4080	406	502	735	644	492	188	66	54	83	199	310	381

## REPORTED CASES AND DEATHS FROM SCARLET FEVER IN NEW JERSEY

For the Calendar Year 1943, by Age Groups and Sex

AGE GROUPS	Male		Female		Total	
	Cases	Deaths	Cases	Deaths	Cases	Deaths
Under 1 year	14	1	4	0	18	1
1 year	31	0	28	0	59	0
2 years	90	0	59	1	149	1
3 years	123	1	104	0	227	1
4 years	130	0	117	0	247	0
Under 5 years	388	2	312	1	700	3
5 to 9 years	759	3	788	0	1547	3
10 to 14 years	369	0	284	1	733	1
15 to 19 years	288	1	125	1	411	2
20 to 24 years	282	0	65	0	347	0
25 to 34 years	155	1	79	1	234	2
35 to 44 years	33	1	31	0	64	1
45 to 54 years	8	0	9	0	17	0
55 to 64 years	2	0	4	0	6	0
65 years and over	1	0	0	0	1	0
Age not stated	0	0	0	0	0	0
Total	2285	8	1795	4	4080	12

## REPORTED CASES OF TUBERCULOSIS IN NEW JERSEY

For the Calendar Year 1943, by Age Groups and Months

AGE GROUPS	NUMBER OF CASES												
	Total	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Under 1 year	12	1	2	0	1	1	0	0	2	0	2	1	2
1 year	17	2	1	1	2	4	2	2	1	0	1	1	0
2 years	15	1	2	5	2	0	2	1	0	0	1	0	0
3 years	9	1	2	1	3	0	0	0	1	1	0	0	0
4 years	8	2	0	1	1	1	0	0	1	0	0	2	0
Under 5 years	61	7	8	8	9	6	4	3	5	1	4	4	2
5 to 9 years	59	1	7	4	3	2	7	6	3	3	6	4	4
10 to 14 years	60	5	2	6	7	9	9	3	2	4	5	8	4
15 to 19 years	257	15	22	23	32	80	19	19	18	22	15	18	21
20 to 24 years	448	28	35	42	45	37	34	48	34	39	35	38	33
25 to 34 years	973	79	76	86	88	80	100	86	83	80	75	66	74
35 to 44 years	722	52	87	81	61	68	63	77	55	48	52	40	45
45 to 54 years	573	27	41	58	50	62	38	47	40	54	29	60	60
55 to 64 years	437	21	27	41	53	57	44	31	30	32	33	31	37
65 years and over	261	24	12	29	34	28	29	16	18	18	18	11	26
Age not stated	17	0	2	0	2	1	0	3	1	3	1	3	1
Total	3868	259	319	379	384	375	387	345	290	295	249	309	309

## REPORTED CASES AND DEATHS FROM TUBERCULOSIS IN NEW JERSEY

For the Calendar Year 1943, by Age Groups and Sex

AGE GROUPS	Male		Female		Total	
	Cases	Deaths	Cases	Deaths	Cases	Deaths
Under 1 year	10	7	2	2	12	9
1 year	9	6	8	2	17	8
2 years	8	8	7	2	15	10
3 years	8	4	2	1	9	5
4 years	6	0	2	1	8	1
Under 5 years	39	25	22	8	61	33
5 to 9 years	30	0	20	1	50	1
10 to 14 years	31	6	38	7	69	13
15 to 19 years	129	40	128	53	257	93
20 to 24 years	226	53	222	84	448	137
25 to 34 years	385	174	388	151	773	325
35 to 44 years	315	237	207	110	522	337
45 to 54 years	442	301	131	90	573	391
55 to 64 years	344	238	93	61	437	299
65 years and over	182	176	79	73	261	249
Age not stated	14	0	3	0	17	0
Total	2387	1240	1381	673	3868	1913

## REPORTED CASES OF TYPHOID FEVER IN NEW JERSEY

For the Calendar Year 1943, by Age Groups and Months

AGE GROUPS	Total	NUMBER OF CASES											
		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	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	4	0	0	0	1	0	0	0	1	0	0	1	1
4 years	0	0	0	0	0	0	0	0	0	0	0	0	0
Under 5 years	4	0	0	0	0	0	0	0	0	0	0	0	0
5 to 9 years	11	2	1	0	1	0	2	1	2	1	0	1	1
10 to 14 years	13	1	0	1	0	1	0	1	6	0	1	2	0
15 to 19 years	2	1	0	0	0	0	0	0	0	0	0	1	0
20 to 24 years	4	0	0	0	0	0	0	1	1	1	1	0	0
25 to 34 years	12	0	1	0	0	1	3	1	3	1	1	1	0
35 to 44 years	5	0	0	0	1	0	0	1	0	2	1	0	0
45 to 54 years	3	0	0	0	0	0	0	1	0	1	0	1	0
55 to 64 years	3	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	57	4	2	1	3	2	5	6	13	6	6	7	2

## REPORTED CASES AND DEATHS FROM TYPHOID FEVER IN NEW JERSEY

For the Calendar Year 1943, 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	2	0	2	0	4	0
4 years	0	0	0	0	0	0
Under 5 years	2	0	2	0	4	0
5 to 9 years	7	0	4	0	11	0
10 to 14 years	10	1	3	0	13	1
15 to 19 years	1	0	1	0	2	0
20 to 24 years	2	0	2	0	4	0
25 to 34 years	7	2	5	0	12	2
35 to 44 years	2	1	3	0	5	1
45 to 54 years	0	0	0	0	0	0
55 to 64 years	1	0	2	0	3	0
65 years and over	0	0	0	0	0	0
Age not stated	0	0	0	0	0	0
Total	32	4	25	1	57	5

## REPORTED CASES OF WHOOPING COUGH IN NEW JERSEY

For the Calendar Year 1943, by Age Groups and Months

AGE GROUPS	Total	NUMBER OF CASES											
		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Under 1 year	564	44	37	48	53	48	55	59	70	52	35	37	26
1 year	546	45	36	57	57	47	71	72	58	37	27	29	16
2 years	650	59	52	65	60	60	69	73	72	59	26	40	26
3 years	770	68	64	74	73	54	87	86	69	61	51	54	29
4 years	793	69	68	93	74	65	82	92	70	64	49	48	20
Under 5 years	3325	285	257	335	317	298	355	382	339	273	188	209	117
5 to 9 years	3410	327	371	502	247	282	340	384	219	199	138	263	106
10 to 14 years	575	66	49	93	68	39	69	43	35	24	20	27	20
15 to 19 years	59	5	6	10	2	7	8	4	6	4	2	5	0
20 to 24 years	17	2	0	2	2	1	3	4	1	0	0	2	0
25 to 34 years	32	2	4	3	4	3	3	2	3	3	4	0	1
35 to 44 years	22	1	4	4	1	0	3	5	4	1	0	0	0
45 to 54 years	6	1	1	0	1	0	0	0	0	0	2	1	0
55 to 64 years	5	0	1	1	0	0	0	0	1	1	0	0	0
65 years and over	8	1	4	0	0	1	0	0	2	0	0	0	0
Age not stated	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	7459	690	696	951	742	622	781	826	601	505	354	447	244



## DEPARTMENT OF HEALTH

## REPORTED CASES AND DEATHS FROM WHOOPING COUGH IN NEW JERSEY

For the Calendar Year 1943, by Age Groups and Sex

AGE GROUPS	Male		Female		Total	
	Cases	Deaths	Cases	Deaths	Cases	Deaths
Under 1 year .....	291	11	273	16	564	27
1 year .....	277	3	269	5	546	8
2 years .....	320	1	330	1	650	2
3 years .....	393	0	377	1	770	1
4 years .....	402	0	368	0	770	0
Under 5 years .....	1683	15	1642	23	3325	38
5 to 9 years .....	1612	0	1708	0	3410	0
10 to 14 years .....	265	0	210	0	575	0
15 to 19 years .....	29	0	30	0	59	0
20 to 24 years .....	4	0	13	0	17	0
25 to 34 years .....	7	0	25	0	32	0
35 to 44 years .....	3	0	19	0	22	0
45 to 54 years .....	2	0	4	0	6	0
55 to 64 years .....	2	0	3	0	5	0
65 years and over .....	5	0	3	0	8	0
Age not stated .....	0	0	0	0	0	0
Total .....	3642	15	3517	23	7459	38

## Report of the Negro Health Program

For the Year Ending June 30, 1944

By J. EARLE STUART, M.D., M.S.P.H., *Consultant*

The differential morbidity and mortality rates, plus the disproportionate reduction of same as shown by obvious biometric facts, and the continuance of economic causal factors, are definite reasons for this program's effort to improve the health status of this minority group.

The housing problem, intensified by neighborhood restrictions, migration of workers to centers of industry, and building curtailment, continues a basic causal factor of this problem.

We are continuing to focus the existing facilities of the voluntary and official health and welfare agencies of the State, counties and municipalities on the areas and needs that are evident. Though the five points of this program are health education, case-finding, biometric studies, epidemiologic investigations, and post-graduate opportunities, specific activities this year included health education of the masses, case-finding demonstrations, and nursing services.

## I. HEALTH EDUCATION OF THE MASSES

## Health Meetings:

Health units in localities, together with ministers, school personnel, and local organizations continued to sponsor health educational meetings throughout the State. Subjects centered around tuberculosis control, venereal disease control, child health, cancer and nutrition.

22 physicians of the New Jersey State Medical Association, together with the Consultant of the Program, gave the talks at these meetings, which were held in churches, schools, Y. M. and Y. W. C. A.'s, and Community Centers.

67 health meetings were held throughout the State.

10,207 people were in attendance.

Distribution and publication of health educational material:

2 pamphlets—"Care and Training of the Child from One to Six," and "Your Best Defense"—were published by this Program.

Others distributed and their number are as follows:

"My Big Brother Knows" .....	2,417
"Why X-ray" .....	2,377
"How I Was Saved" .....	750
"Your Best Defense" .....	3,580
"Quiz" .....	475
"You're Going to Have Your Picture Taken" .....	265
"Care and Training of the Child from One to Six" .....	3,974
"From Boy to Man" .....	921
"To Womanhood" .....	779
"Vital to National Defense" .....	2,730
"Gonorrhoea, The Crippler!" .....	2,730
"Facts About Syphilis" .....	1,025
"Syphilis—Its Cause—Its Cure—Its Spread" .....	1,176
"Cancer Facts for Women" .....	681
"What to Know and What to Do About Cancer" .....	982
"Let's Talk About Cancer" .....	750
"Detectives Wanted" .....	203
Others (misc.) .....	3,291
Total .....	29,106

Posters originated by this program:

"Your Best Defense" .....	104
"Defend Your Family with a Blood Test" .....	150
Others (misc.) .....	200
Total distributed .....	454

Films used:

3 on tuberculosis	
4 on venereal diseases	
3 on nutrition	
1 on cancer	
1 on first-aid	
Total number showings .....	16
Radio Broadcasts—total number .....	13
WTTM, WAAT, WSNJ, WFPG, WBAB.	

A health educational exhibit was arranged for the New Jersey Federation of Colored Women's Clubs at the Bordentown Industrial School.

Conferences were held with parent-teacher associations, tuberculosis and health leagues, local health departments, a representative of the United States Public Health Service and the New Jersey State Medical Association. Contacts were made with the Federated Council of Churches, Council of Social Agencies of Plainfield, New Jersey, Organization of Teachers of Colored Children, and local ministerial alliances.

Special Awards:

This Program received the All-American Trophy from the United States Public Health Service for our contribution to the National Negro Health Week movement. This national celebration is observed throughout the State under the leadership of this Program.

The New Jersey Organization of Teachers of Colored Children presented the Annual Award to this Program for outstanding services for the improvement of health conditions among this minority group in New Jersey.

## II. CASE-FINDING DEMONSTRATIONS

Free chest X-ray surveys were offered to the general adult population of many towns of New Jersey as distinguished from other surveys conducted in institutions and industries. The examinations were paid for by this Department while local health departments paid for the necessary printing for publicity. Follow-up work on tuberculous cases was done by the local tuberculosis leagues. Individual reports were sent to family physicians designated by the persons at the surveys. The National X-ray Surveys Company provided 35 mm. photo-fluorograms.

The towns and the total number of persons examined in each, are as follows:

Newark .....	703
Burlington .....	165
Bordentown .....	77
Moorestown .....	189
Swedesboro .....	125
Woodbury .....	367
Glassboro .....	397
Salem .....	157
Atlantic City .....	1,162
Morristown .....	106
Madison .....	143
Camden .....	786
Lawnside .....	187

Total number people examined ..... 4,564

## Survey findings:

## Suspects:

Possibly active .....	65	
Healed tuberculosis .....	50	
Calcified glands .....	11	
Ghon's nodes .....	53	
Calcified hilar nodes .....	243	
Other .....	26	
Total .....		448

## Non-tuberculous pathology:

Scoliosis .....	10	
Bronchiectasis .....	11	
Adhesions .....	5	
Bulge right diaphragm .....	2	
Aortic sclerosis .....	4	
Cardio-vascular silhouette .....	13	
Mediastinal mass .....	24	
Healed fractures .....	2	
Emphysema .....	3	
Foreign body .....	3	
Fractured ribs .....	1	
Cystic lung disease .....	1	
Pneumoconiosis .....	2	
Other .....	14	
Total .....		95

Negatives ..... 3,825

Four Well Baby Demonstration Clinics were held in Burlington County as a means of educating the parents and encouraging them to attend the regular clinics in their respective localities. Alum precipitated diphtheria toxoid was given in first and second doses (a month apart).

Place	No. babies examined	No. immunized
Burlington City .....	102	38
Bordentown .....	35	29
Mount Holly .....	52	36
Palmyra and E. Riverton .....	59	46
Totals .....	248	149

## III. NURSING SERVICES

The three nurses of our Program were engaged mostly in health educational work. Visits were made to churches, Y. M. and Y. W. C. A.'s, and Community Centers and schools for the establishment of health programs in their yearly schedule. Publicity work for chest X-ray surveys was under their immediate supervision, with co-operation from lay groups in the localities. Home visits are made in rural areas to encourage attendance at baby clinics and regular venereal disease and chest clinics, when necessary. In this way the nurses co-operate with the existing health and welfare agencies.

Total number of home visits made ..... 4,646

One of our nurses is loaned (part-time) to do school nursing and maternal and child health work in the Lawnside and East Berlin area. She is in complete charge of the Baby-Keep-Well Station in Lawnside which has an average case-load of 150 babies and pre-school children in that vicinity.

Another of our nurses assisted in the clinic for migrant farm laborers in the Cranbury and Hightstown area during July and August. Much of the follow-up work on the farms was done by her. Continuous attendance at the clinic was urged. Blood tests were made and treatment given for gonorrhea and syphilis when necessary.

## IV. SUMMARY

Number of counties participating .....	15
Number of cities participating .....	32
Total number health meetings .....	67
Total attendance .....	10,207
Number pieces of literature distributed .....	29,106
Posters distributed .....	454
Total number home visits by nurses .....	4,646
Total number persons examined by X-ray .....	4,564
Total number babies immunized (diphtheria) .....	149

## Report of the Tuberculosis Control Program

For the Year Ending June 30, 1944

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By A. JOSEPH HUGHES, M.D., *Medical Supervisor*

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The Tuberculosis Control Program has continued to expand through the co-operation of the Bureaus of Industrial Health and Local Health Administration. The Bureau of Industrial Health has an opportunity to explain the mass X-ray examinations while contacting industry in its regular activities. The Bureau of Local Health Administration has been directing the follow-up program through practicing physicians, local health authorities and the tuberculosis leagues. The Tuberculosis Control Program has actually accomplished the mass X-ray examinations. This Program has also co-operated with the Negro Health Program in conducting two surveys.

In the past year the Program has acquired its own 4x5 photofluorographic unit, whereas the 35 mm. unit on loan from the United States Public Health Service has been withdrawn. Twenty surveys were conducted during the year, eighteen in industry and two among persons other than industrial workers. This brings the total number of surveys conducted to June 30, 1944 to thirty-one. Eighty-six thousand small films and thirteen hundred standard 14x17 plates have been taken, and the unit has operated in fourteen out of the twenty-one counties in the State.

A central office and dark room have been established in the past year. Heretofore the developing was done by using whatever local facilities were available and the Program lacked a central administration office.

The industrial case-finding program continues as a co-operative effort on the part of the medical profession, labor, management, local health authorities and the State and county tuberculosis leagues.

All persons in industry cannot at present be X-rayed with the limited facilities available. It is anticipated that this Program will expand its facilities and interest management in taking, as a part of its own health programs, not

only pre-employment X-rays but periodic X-rays as well. As X-ray facilities increase it is planned to expand the case-finding activities to include not only industrial workers but other groups also.

This Division also plans to participate in the expansion of the already existing clinics in order to realize the maximum benefit from its mass surveys. In brief, it is the desire of the Tuberculosis Control Unit to make X-ray chest examinations so readily available that everyone in this State will be X-rayed at least once a year.

Industry has been quick to recognize the value of this service, both as a means of increasing industrial worker efficiency and as a means of contributing in large measure to the eradication of the disease. In fact, both management and labor have responded so whole-heartedly that there are now on schedule in industry alone well over one hundred thousand persons. Obviously, this is many more than can be serviced with but one survey unit, and on numerous occasions it has been impossible to meet commitments.

In order to make the most of this opportunity of finding many new cases of early tuberculosis, when so much can be done to rehabilitate the individual, additional funds must be made available for equipment, personnel, office space and X-ray supplies.

## Report of the Bureau of Venereal Disease Control

For the Year Ending June 30, 1944

By GLENN S. USHER, M.D., *Chief*

The release of limited supplies of penicillin for the treatment of syphilis and gonorrhea in civilians has given impetus to the venereal disease control program. On June 1, as soon as a supply was assured, a letter explaining the plan of the Bureau for the use of the limited supply available was sent to the superintendents of 80 general hospitals in the State and to every practicing physician. The plan, in brief, offers to supply penicillin and pay for the hospitalization of certain types of cases among the medically indigent. In syphilis, the use of penicillin is restricted to primary and secondary cases, because insufficient experimental work has been done to justify the recommendation of the drug for general use in other types of cases. Hospitalization is provided for eight days, during which time the recommended treatment is 20,000 units of penicillin every three hours. The cost and scarcity of penicillin dictates the restriction that cases of gonorrhea be treated first with a sulpha drug. In the sulpha-resistant cases, penicillin is provided and the hospital charges for 24 hours are paid, during which time the drug is to be administered in 20,000-unit dosage at three-hour intervals. The physician may make the arrangements for hospitalization in any hospital he chooses which will accept the case.

Before the release of penicillin late in this fiscal year, efforts were continued to secure suitable facilities for the establishment of a central rapid treatment center, through funds available under the Federal Lanham Act. Further effort has been discontinued. The admission of patients with gonorrhea and syphilis in all hospitals is the present goal which has been made practical by the ease of administration, therapeutic efficiency, and lack of toxic effects of penicillin.

### MILITARY PROGRAM

The Bureau participated in the "national roundup" of all men previously rejected for military service with a diagnosis of syphilis. Medical history forms were sent to their physicians, the information secured was studied by

a physician of the Bureau and recommendations of medical availability were made to the local Selective Service Boards. The study of 3,500 of these medical records indicated that practicing physicians generally fail to realize the importance of spinal fluid tests before the patient is released from treatment. A special effort has been made to emphasize this procedure in the light of the Army's experience in finding about 10% positive spinal fluids among supposedly latent cases of syphilis.

Examinations during the year at the two armed forces induction stations in this State (at Newark and Camden) revealed 5,649 persons with positive blood tests or symptoms or history of syphilis. Of these, 2,181 were inducted. In addition, 691 individuals with cases of gonorrhoea were discovered, of whom 312 were inducted. Treatment of the men accepted for military service then became the responsibility of the military authorities. There were, however, 3,467 cases of syphilis and 379 cases of gonorrhoea rejected for military service, and these, therefore, became the responsibility of the civilian health officials. All were followed up by letter, and those who failed to place themselves under medical care were investigated by public health nurses. Even many of the men accepted for service under the new regulation to induct and treat men with uncomplicated venereal disease, required follow-up if they were in an infectious stage during the furlough period allowed between examination at the Induction Station and final induction at a Reception Center.

Previously the public health nurses assigned by the Bureau to each of the Induction Centers had been withdrawn when the Army began to accept infected men for military service. However, the large percentage of persons rejected, and the opportunity for securing contact information by interview with the men accepted, as well as those rejected, made the reassignment of nurses to the Induction Stations seem profitable. Accordingly, a nurse was again assigned to the Newark Induction Station on February 1st and to the Camden Station on June 1st.

Military establishments in the State have continued to report contact information from all men who developed a venereal disease while in the service. During the year 2,265 such contact reports have been received and prompt investigation made. Whenever a tavern has been named as a meeting place, this information has been referred to the Alcoholic Beverage Commissioner. Suspected houses of prostitution have been referred to the State Police or to the local health officer for referral to local police. Representatives of the Bureau have assisted in the investigation and prosecution of persons and places suspected to be spreading infection to the armed forces.

In Newark, where the largest number of military contacts were reported, a venereal disease committee has been formed, consisting of representatives from the Health Department, police, courts, Welfare Department, and other

interested agencies. The appointment of a full-time venereal disease control officer also has been effected.

Dischargees will probably soon occupy the attention of the Bureau. A few treatment records are now being received from the Separation Center at Fort Dix, for men discharged after treatment in the military service. Some reports are also coming through for men who have a positive S. T. S. at the time of their military discharge, but who have no history of syphilis. It is planned to follow up these cases in the same manner as the selectees have been, to make sure that adequate treatment is received. The service of public health nurses of the staff will be used in interpreting diagnosis and treatment needs to the discharged soldier, a service which has proved invaluable in the follow-up of selectees who have had positive tests for syphilis since Selective Service became effective in 1940.

#### CASE-FINDING AND CASE-HOLDING

Public health nurses of the Department continued to assist local health officials, particularly in the contact tracing and case-holding aspects of the venereal disease control program. These nurses are stationed in Trenton, Camden, Hackensack, Paterson, Passaic, Weehawken, Dover, Plainfield, Atlantic City, Mt. Holly, Pitman, Bridgeton, Salem, and Mays Landing. The nurse was withdrawn from Bayonne because results did not seem to warrant her continuance there. A public health nurse was assigned for a short demonstration period to the largest clinic in the State, in Newark. A nurse was assigned to Monmouth County; a second nurse to Cumberland County, with headquarters in Vineland, to supplement the work of the nurse in Bridgeton; and arrangements made for a nurse to serve the eastern part of Bergen County, with an office in Englewood.

Under the new State plan for providing penicillin and hospitalization for cases of early syphilis and gonorrhoea, a nurse will interview each patient for contacts. Full advantage will be taken of the opportunities for case-finding which penicillin treatment brings. A growing awareness among physicians of the importance of contact tracing has resulted in their use of the services of our public health nurses to interview private patients.

#### TREATMENT

A trend from clinic to private physician care, probably due generally to improved economic conditions, is noted. The approximate average case-load of the clinics in New Jersey, for the year ending June 30, 1942, was 9,000; for the year 1943, 7,500; and for the present year 6,000. The number of clinics co-operating with the Department this year was 75.

## DIAGNOSTIC PROCEDURES

Use of the gonococcus culture service, both the direct service and the mail service, has been stressed. Ninety stations throughout the State now have the culture outfits on hand for the convenience of physicians. The Newark Induction Station is using the direct service provided by the State laboratory in Newark, for routine cultures of all women examined for military service, and for those men who have clinical evidence or a history of gonorrhea within three months. Number of specimens received for gonococcus culture:

	<i>Mail Specimens</i>	<i>All Specimens</i>
January-June 1943 .....	1,463	3,571
July-December 1943 .....	2,694	5,143
January-June 1944 .....	4,196	7,199
	<u>8,353</u>	<u>15,913</u>

The number of serologic tests for syphilis has decreased from the all-high record of more than a million tests last year. Army laboratories, on February 1st, took over blood tests for Selective Service, which last year accounted for 355,000 of the million tests. The number of tests reported this year by 95 laboratories in the State was 715,511.

Recognized inter-laboratory checks were carried on in the 31 laboratories in the State in which the majority of the serologic tests for syphilis are done. Serums used were checked by the U. S. Public Health Service Research Laboratory at Staten Island, and a complete report of the findings of each of the participating laboratories was sent to all. A standard Mazzini antigen is sent to all laboratories which request it. Twenty-three different laboratories are using this standard antigen.

## THE PREMARITAL AND PRENATAL LAWS

The laws requiring blood tests of pregnant women and persons who apply for a marriage license continue to be a useful case-finding device, as shown by the tables which follow. Effort is made to insure adequate treatment for all infected persons discovered through the operation of these laws.

## PREMARITAL BLOOD TESTS REPORTED BY APPROVED LABORATORIES IN NEW JERSEY

	<i>Total Number of Tests</i>	<i>Number Positive</i>	<i>Percent Positive</i>	<i>Number of Persons Married</i>
1938—(July-Dec.) .....	30,801	426	1.38	28,912
1939—(Full Year) .....	68,021	928	1.36	63,790
1940—(Full Year) .....	87,622	1,120	1.28	82,118
1941—(Full Year) .....	100,947	1,384	1.37	93,076
1942—(Full Year) .....	100,391	1,510	1.50	100,906
1943—(Full Year) .....	77,172	1,313	1.7	82,090*
1944—(Jan.-June) .....	34,554	589	1.7	36,498*

\*Many of these persons had blood tests in military laboratories of this or other states.

In the follow-up of cases discovered through prenatal examinations, a reluctance on the part of physicians to collect blood specimens from babies has been observed. A plan has been instituted for Essex and Hudson Counties whereby an experienced technician at the laboratory of the Orange Memorial Hospital, at Babies Hospital in Newark, and Medical Center and Margaret Hague Hospital in Jersey City, will collect the specimen by appointment for any physician who wishes to refer a baby.

## PRENATAL BLOOD TESTS REPORTED BY APPROVED LABORATORIES IN NEW JERSEY

	<i>Total Number</i>	<i>Number of Positive Results*</i>	<i>Percent Positive</i>
1939—(Full Year) .....	42,863	640	1.49
1940—(Full Year) .....	52,940	735	1.39
1941—(Full Year) .....	62,852	874	1.39
1942—(Full Year) .....	78,774	1,263	1.60
1943—(Full Year) .....	58,376	794	1.36
1944—(Jan.-June) .....	34,631	460	1.33

\*Positive tests contain probably 15% duplication. Number of different persons not known from all laboratories.

## INDUSTRIAL PROGRAM

Efforts to interest individual industries in mass blood-testing of employees, and including the blood test as a part of the pre-employment examination have been continued by the Bureau of Industrial Hygiene and by this Bureau, as opportunity offered. In addition, a representative has met with the New Jersey Association of Industrial Physicians, with two organizations of personnel managers, and with representatives of labor unions. As blood specimens were received at the State laboratory, which were known to be employment or pre-employment tests, the positive cases have been followed up by letter and by personal visit, if indicated. There were 1,831 persons in New Jersey followed up during the year through this procedure, out of a total of 3,698 positive blood specimens which could be identified as industrial tests. The other tests were from persons residing in other States and were referred to the proper State health department.

Special clinics were held during the summer at Cranbury and Hightstown for the examination and treatment of migrant farm laborers. Migrants in the Freehold area were examined and treated at the regular clinic. Drugs, clinic supplies and educational material were supplied to the Farm Security Administration to provide diagnostic and treatment service at their labor camps near Bridgeton, Swedesboro and Burlington.

## EDUCATION

"VeeDee," a news letter for health officers and clinics, was instituted this year. Six issues were prepared and distributed and have proved an effective means of keeping workers in touch with the State program.

As has always been the policy, pamphlets for the lay public, and for professional persons, have been distributed freely.

Through membership on the Social Hygiene Committee of the New Jersey Tuberculosis League and on the Advisory Committee on Social Hygiene Education to the State Department of Public Instruction, the Bureau works in close co-operation with these agencies. The Industrial Hygiene Bureau and the Negro Health Project have assisted in the distribution of educational material. Through local Selective Service Boards and the Induction Stations, pamphlets have been distributed to men called for military service.

CASES OF VENEREAL DISEASE REPORTED IN NEW JERSEY,  
JANUARY 1-DECEMBER 31, 1943

(Cases reported from military camps are not included)

County	Gonorrhoea		Syphilis		Chancroid		Total	Popu- lation (1940)	Rate per M.
	M.	F.	M.	F.	M.	F.			
Atlantic	49	20	239	212	3	0	523	124,066	4.2
Bergen	68	10	318	138	0	0	534	409,646	1.3
Burlington	18	9	128	53	1	0	209	97,013	2.2
Camden	88	42	365	249	1	0	745	255,727	2.9
Cape May	20	5	51	31	0	0	107	28,919	3.7
Cumberland	51	13	211	111	1	0	387	73,184	5.3
Essex	626	335	1,803	1,110	48	7	3,829	837,340	4.6
Gloucester	19	7	117	43	1	0	187	72,219	2.6
Hudson	44	32	631	262	2	0	971	652,040	1.5
Hunterdon	8	3	23	38	0	1	73	36,766	2.0
Mercer	83	88	512	296	1	0	980	197,318	5.0
Middlesex	38	76	283	192	0	1	590	217,077	2.7
Monmouth	50	25	318	188	1	0	582	161,238	3.6
Morris	23	11	84	66	2	0	186	125,732	1.5
Ocean	1	2	37	16	0	0	56	37,706	1.5
Passaic	67	25	342	192	1	1	628	309,353	2.0
Salem	34	3	102	44	1	0	184	42,274	4.4
Somerset	20	7	55	31	0	0	113	74,390	1.5
Sussex	6	2	11	8	0	0	27	29,632	.9
Union	84	25	358	209	3	0	679	328,344	2.1
Warren	2	2	24	8	0	0	36	50,181	.7
Total	1,399	742	6,012	3,497	66	10	11,724	4,160,165	2.8

## Report of the Bureau of Dental Health

For the Year Ending June 30, 1944

By J. M. WISAN, D.D.S., M.S.P.H., Chief

With the nation deeply engrossed in a war economy, health administrators realized that no opportunity should be lost to maintain the physical fitness of personnel on the home front. Because dental defects had proved so prevalent among selectees, many health, welfare and educational agencies, both State and local, joined with the Bureau of Dental Health in its efforts to improve dental conditions in New Jersey. The willingness of these groups to act not only as an advisory group, but also in administrative phases, broadened the scope and increased the usefulness of the Department's dental program. Moreover, the New Jersey State Dental Health Committee and its component local committees gave to the program unification of effort without impairing flexibility in meeting local needs and facilities.

The summary of activities given here will with even superficial scrutiny reveal widespread participation—again stressing the philosophy of the Bureau of Dental Health, namely, that the responsibility for improving dental conditions does not fall only on the shoulders of one group or one department, but on all health, welfare and educational personnel.

The activities of the Bureau of Dental Health may be divided into four categories:

- I. Providing consultive services for local and State dental programs
- II. Collecting, publishing and distributing authentic dental health educational material
- III. Conducting investigatory, demonstration and educational programs
- IV. Establishing and maintaining dental treatment programs for low income children in rural and suburban areas



## ACTIVITIES

I. PROVIDING CONSULTIVE SERVICES FOR LOCAL AND STATE  
DENTAL PROGRAMS

## A. Chief of Bureau:

156 Consultive conferences with health departments, school personnel, dentists and dental societies, voluntary agencies and official agencies.

62 Dental health committee meetings.

74 Supervisory visits to demonstration and rural dental programs.

University of Michigan, at its first Institute on Dental Economics, selected the New Jersey dental program as the State dental program to be surveyed and evaluated for the student body.

The Massachusetts State Department of Health and the Massachusetts State Dental Society invited the Chief of the Bureau of Dental Health to attend two public health institutes to explain the lay committee activity connected with the New Jersey program.

Appointed member of national Low Income Committee of the American Dental Association Council on Dental Health, which accepted many of the New Jersey policies and procedures as a part of its recommendations for all States.

## B. Dental Health Education Advisor:

44 Conferences } Teachers, nurses, parent-teacher associations,  
11 Talks } educational institutes.

Prepared education material.

Made surveys of New York City dental clinics.

## C. Dental Supervisors (2):

Organized new programs.

Supervised dental treatment programs:

108 Conferences with dentists, school personnel and voluntary agencies.

50 Inspections of school children treated by dentists.

24 Dental Health Committee meetings.

Attended meetings of dental societies.

II. COLLECTING, PUBLISHING AND DISTRIBUTING AUTHENTIC DENTAL  
HEALTH EDUCATION MATERIAL

Leaflets	No. Distributed
Routine .....	1,564
For Parents of Preschool Age Children .....	3,007
Going Through School With Healthy Teeth .....	1,095
Expectant Mother .....	339
High School .....	381
Dental Health Bibliography (Provided by N. J. State Dental Society) .....	51
Useful Baby Molars .....	2,757
Questions for School Children .....	1,168
Problems for Parents .....	410
Suggestions for Use of Parents Leaflet .....	41
Questions About Your Teeth Answered (with Essex County Dental Society) ..	409
Questions About Your Teeth Answered (with Hudson County Dental Society) ..	104

## Leaflets

	No. Distributed
Cancer of the Mouth .....	50
For Your Dental Health Card .....	100
Visual Education in Dentistry (published by <i>Dental Digest</i> ) .....	150
Your Child's Teeth (published by American Dental Association) .....	300
Tommy's First Visit to the Dentist (published by American Dental Assn.) ..	500
Facts About Teeth (published by National Dental Hygiene Association) .....	530
Total number leaflets distributed .....	12,956

## Posters

	No. Distributed
Happily Entering School With Healthy Teeth .....	105
Neglect of Teeth Is Personal Sabotage .....	25
Dental Care Will Help You .....	23
You Should See Your Dentist .....	214
What Is Preventive Dentistry .....	20
Total number posters distributed .....	387

## Seals

	No. Distributed
Dental Care seals .....	4,800

## Films

Let's Talk About Teeth	} Films loaned to State Museum which has accepted responsibility for distributing films.
How Teeth Grow	
Told By A Tooth	
Care of the Teeth	
Value of a Smile	
The Smiles Have It	
About Faces	
*The Student Flier	
*Our Teeth	
*Toothfully Yours (slide film)	
*The Mortons Make Some Changes (slide film)	

## Exhibits

Can You Eat Properly	} Number of showings .....	8
Expectant Mother		
Prompt Dental Care for 6 Year Child		

## Forms

	No. Distributed
Charts and record forms .....	50,615

## Booklets

	No. Distributed
Dental Health (with New Jersey State Dental Society) .....	3,203
*Source Unit on Dental Health for Schools of New Jersey .....	10,200
Total number booklets distributed .....	13,403

\* Material published during this period.

### III. CONDUCTING INVESTIGATORY, DEMONSTRATION AND EDUCATIONAL PROGRAMS

- A. Pre-school children dental surveys were conducted in collaboration with the Summer Round-Up of the New Jersey Congress of Parents and Teachers.
- B. High school dental surveys were conducted in collaboration with the Victory Corps Program.
- C. Studies were conducted among school children to learn the value of topical applications and of fluorine content of public drinking supplies in reducing the incidence of dental caries.
- D. Survey forms, approved by the American Association of Public Health Dentists, have been instituted in our programs, and are helping us obtain valuable data concerning dental needs of children. Particularly has this form proved valuable because it will enable us to make fairly accurate comparisons among communities of New Jersey, and to compare New Jersey with other States. The New Jersey State Department of Public Instruction has agreed to collaborate with us, not only in recommending this form to all school clinics in New Jersey, but also in providing them for communities requesting copies.
- E. 65 Dental health talks and discussions.
- F. Accredited dental health education course (15 lectures)—Seton Hall College.
- G. Source Unit on Dental Health for Schools of New Jersey prepared.
- H. Utilizing forms prepared by its staff, the Bureau of Dental Health has obtained the following data:

- (1) Average DMF\* Rate for New Jersey Children by Ages 6 to 17—  
26 New Jersey Communities—1944.

#### MOUTH MIRROR AND EXPLORER EXAMINATION IN SCHOOL ROOM

Age	Number Examined	DMF Per Child
6	488	.64
7	599	1.5
8	608	2.4
9	566	3.
10	561	3.6
11	572	4.3
12	611	5.4
13	566	6.5
14	490	8.3
15	376	9.4
16	320	10.8
17	365	11.9

\* DMF = total number teeth affected by caries

D = decayed permanent teeth requiring filling.  
 M = decayed permanent teeth requiring extraction, or permanent teeth previously extracted.  
 F = permanent teeth previously filled (now in sound condition).

- (2) Comparison of DMF in Fluorine and Non-fluorine Areas.

Age	DMF PER CHILD BY AGES		
	26 N. J. Communities Non-fluorine	Moved in Fluorine Community After 4th Birthday	Lived in Fluorine Community Before and After 4th Birthday
6	.64	.08	.4
7	1.5	2.1	.9
8	2.4	1.8	1.4
9	3.	2.9	1.6
10	3.6	2.9	2.1
11	4.3	4.1	3.1
12	5.4	5.7	3.2
13	6.5	6.7	4.3
14	8.3	6.5	4.5
15	9.4	7.2	4.4
16	10.8	6.2	4.2

- (3) Number of Minutes of Dentists' Time Required to Provide All Necessary Extractions, Fillings, Prophylaxis and Treatment, Initial Cases and as Maintenance Cases According to Age.

Age	Maintenance Treatment		
	Initial Treatment	2nd Year After Previous Completion	3rd Year After 2 Previous Annual Completions
	Minutes	Minutes	Minutes
6	86	80	75
7	115	74	84
8	111	66	76
9	134	59	76
10	134	53	94
11	109	85	62
12	100	79	78
13	128	85	78
14	142	61	83
15	167	88	..
Average	116	70	78

#### COST PER CHILD—PERCENTAGE COMPLETED DIFFERENT PROGRAMS 1941-1943

	Average Annual Cost per Child	Average Annual Percentage of Completions
Clinic—urban	\$8.68	80%
Clinic—rural	8.05	72%
Private office	7.67	50%
Trailer	8.20	44%

(Cost given here does not include central office expenses.)

## IV. ESTABLISHING AND MAINTAINING DENTAL TREATMENT PROGRAMS

The following table furnishes a resume of the accomplishments of the dental treatment program. The growth of this program may be attributed to the collaboration of the official Dental Society of the State and the activities of many health, welfare and educational groups.

RESUME OF DENTAL TREATMENT PROGRAMS  
Year Ending June 30, 1934

PROGRAM	Number of Communities Included	Number of Dentists Employed	Number of Dentists Operated	Number of Different Patients	Total Number of Visits	Operations				Total Operations	Number of Different Children Completed
						Teeth Perm.	Teeth Extincted	Teeth Filled	Other Operations		
Atlantic County**	8	2	170	68	283	31	183	145	42	341	45
Bergen County*	11	5	269	95	463	41	178	508	132	810	25
Burlington County*	11	5	247	189	477	72	879	455	135	1641	116
Camden County**	1	2	177	149	413	111	171	206	118	600	107
Gloucester County**	1	2	185	135	320	45	220	111	81	418	61
Camden County**	10	3	253	133	308	43	220	233	98	618	67
Hunterdon County***	38	1	577	460	1133	35	401	832	564	1862	308
Middlesex County***	5	4	311	370	788	40	312	423	345	1121	42
Monmouth County***	14	9	779	885	1464	139	671	1091	367	2648	279
North Jersey***	12	7	524	430	954	48	293	475	162	1033	133
North Jersey***	1	1	324	370	389	13	203	163	1169	3032	375
Ocean County**	1	1	43	41	46	7	19	80	7	113	5
Orange*	1	2	70	70	76	5	13	41	4	63	2
Passaic County*	1	1	69	32	111	6	25	199	24	254	24
Paterson* County**	1	1	1062	498	2199	100	183	2259	461	2668	438
Union County**	21	1	349	240	420	16	124	536	109	700	337
Warren County**	12	4	594	47	139	38	75	123	31	207	23
Totals 1933-34	100	52	4578	3013	13132	932	4564	11368	4030	21010	2772
Totals 1932-33	100	25	4748	2840	10890	870	3246	9506	3303	10124	1001

\* New program.  
\*\* 2nd year in operation.  
\*\*\* 3rd year in operation.  
\*\*\*\* 4th year in operation.

## DEPARTMENT OF HEALTH

## NEW ACTIVITIES

1. Plans completed for new mobile dental clinic so that the Department would be in a position to compare the efficacy of a dental clinic built on a truck chassis with the trailer type which cannot be moved with its own power.
2. New educational units for elementary and high schools, and an outline for parent education groups were prepared. The elementary school unit was printed during the present fiscal year.
3. Department of Institutions and Agencies requested the Bureau of Dental Health to treat its dependent children in rural areas. The approval of the State Dental Society has been requested for this purpose.
4. The Bureau of Dental Health investigated the need of dental programs in parochial schools.
5. The Bureau of Dental Health extended its dental treatment program to include suburban areas as well as rural localities.

## Report of the Bureau of Industrial Health

For the Year Ending June 30, 1944

By W. G. HAZARD, *Acting Chief*

The fiscal year ending June 30, 1944, was marked by notable advances in the field of industrial health. The activities of this Bureau which used to be known as the Industrial Hygiene Service were broadened and strengthened. For the first time it operated under a State appropriation—amounting to somewhat over \$41,000. Supplementing this was a Federal grant of about \$4,000, which does not include the salaries of four Federal employees who were loaned to the Bureau. The number of employees under State Civil Service was increased to five. A considerable portion of the appropriation was spent for equipping an industrial hygiene laboratory. As a result of this progress more valuable service was rendered to industry.

## COVERAGE OF STATE'S INDUSTRY

The following table shows the type of industries visited:

<i>Industry Group</i>	<i>Number of Plants Visited</i>	<i>Number of Employees</i>
Chemical, petroleum and allied products .....	41	26,727
Food and kindred products .....	12	12,101
Iron and steel, excluding machinery .....	28	37,510
Machinery, excluding electrical .....	21	30,335
Machinery, electrical .....	22	34,068
Nonferrous metals .....	14	14,086
Paper, printing, publishing and allied industries..	14	5,518
Rubber products .....	6	2,814
Stone, clay and glass products .....	14	8,166
Textile-mill and other fibre products, and apparel	23	13,713
Timber, furniture, lumber products .....	7	1,385
Transportation (airplanes, ships, vehicles) .....	13	152,752
Miscellaneous .....	16	6,669
Military establishments (industrial in operation)	5	24,630
All industry groups .....	236	370,474

Of the 236 different plants visited, 56% employed less than 500 workers. It has been frequently demonstrated that it is the smaller plants that need industrial hygiene service more than the larger ones.

Follow-up visits totaling 79 were made to the 236 plants listed in the table, giving a total of 315 plant visits. During these 315 visits, 382 investigations of the following types were made: environmental engineering (50%), medical (37%), and nursing (13%). Evidence that the work of the Bureau is becoming increasingly recognized and approved lies in the fact that of the 315 plant visits made by staff members, 150 or 48% were made on request, while 165 or 52% were self-initiated. This is an improvement over the preceding year when only 20-25% of the plant visits were requested, the remainder being self-initiated. Since this Bureau is a service organization, without regulatory power, requests for consultation make up the most effective means for carrying on industrial health activities.

#### ENVIRONMENTAL ENGINEERING SERVICES

Visits totaling 166 were made during which environmental engineering problems relating to the control of toxic dusts, fumes, vapors, gases, the improvement of lighting, ventilation or other workroom conditions were examined. Over 55% of these consultations were requested, the remainder being self-initiated. Some 320 field determinations of temperature, humidity, air flow, carbon monoxide, mercury vapor, and the like were made during these visits, and 140 laboratory analyses were made on specimens brought back to the laboratory of the Bureau. These included air samples of silica and asbestos dusts, manganese, lead, hydrocarbons, aldehydes, acid mists, DDT, zinc, hydrogen cyanide, and other materials. Several public health nuisances were investigated. Recommendations for the improvement of working conditions were made where needed. Compliance amounted to about 50%.

#### MEDICAL SERVICES

Surveys totaling 143 in number were made of quarters, equipment, personnel and policies of plant medical departments. About 30% of these surveys were as the result of requests. Vigorous recommendations were made where needed during these investigations for the improvement of the medical programs, with especial attention to the quality of medical service rendered by the plant, explanation of its purpose to workers, and the maintenance of medical records in a confidential manner between physician and employee.

#### NURSING SERVICES

Plant visits during which nursing consultation was given numbered 49, 28 of them being on request. Emphasis was laid on the importance of standing orders for each plant nurse not under the full-time supervision of a plant physician. Assistance was given to community nursing organizations in inaugurating their industrial nursing activities. A roster of industrial nurses in the State was compiled.

#### GENERAL

The promotion of industrial health depends on the concerted efforts of a diverse group of organizations. During the year our Bureau co-operated closely with the U. S. Public Health Service, Army, Maritime Commission, War Production Board, War Food Administration and other official agencies. Support and requests for service were received from state labor organizations. This Bureau worked closely on specific problems with other Bureaus in the Department that were also concerned, notably the Bureaus of Local Health Administration, Venereal Disease Control, and Tuberculosis Control.

Instruction was given in five courses in industrial hygiene engineering that were sponsored by Rutgers University under its Engineering, Science, Management War Training program. This activity was one of the most important of the year in promoting industrial health interest, for these courses, with a total enrollment of 125, were so far as is known the first in industrial hygiene to be given in New Jersey.

Increased efforts were made to bring to the attention of all those interested in industrial health knowledge of facilities that are available through this Bureau. This phase of our work is necessary because the Bureau is new, and not yet well known. A mailing list was compiled covering those industries which by the nature of their operations have need of industrial health programs. Other educational activities were as follows:

*Leaflets* on dermatitis, standing orders for nurses, nursing practices, and on the services of the Bureau were prepared.

*Exhibits* were presented to four groups.

*Papers* were prepared for publication in four civic and scientific journals.

*Lectures* or talks were given to 16 groups, and radio interviews were participated in twice.

## DEPARTMENT OF HEALTH

## CHANGE OF NAME

On March 14, 1944, the State Board of Health changed the status of the Industrial Hygiene Service from an activity to a bureau. At the same time the word "hygiene" was changed to "health," so that the name became Bureau of Industrial Health. It was felt that the latter title more fully described the broad health functions of the Bureau. This vision on the part of the Board and the Director of Health received favorable editorial comment in several national scientific journals, and it has set the pace that other State bureaus with similar activities will without doubt eventually follow.

## TUBERCULOSIS CONTROL

Photofluorographic chest X-rays for the detection of pulmonary tuberculosis were made in many industrial plants during the year by the mobile units of the Bureau of Tuberculosis Control. Details of these surveys are omitted from this report because they are included in the report of the above Bureau. The function of the Bureau of Industrial Health in this program has been to interest management and worker groups in having the X-ray surveys made, to complete preliminary arrangements, and then to refer the project to the Bureau of Tuberculosis Control for actual X-raying and follow-up of suspicious cases. In carrying out this function, representatives of the Bureau of Industrial Health made 33 special plant visits not included in the figures already given. There is now a far greater demand for this X-ray service than can be met with available equipment in the Department.

## Report of the Rabies Control Program

For the Year Ending June 30, 1944

By DR. J. S. MCDANIEL, *Veterinarian-in-Charge*

The Rabies Control Unit, now in its third year of operation, collected \$79,061.00 in dog registration tag fees from July 1, 1943 to June 30, 1944, as required by chapter 151, P. L. 1941, the Dog Control Law. This sum covered dog licenses issued to 316,244 owners.

## THE INCIDENCE OF RABIES IN NEW JERSEY

According to reports received in the Rabies Control Unit for the fiscal year ending June 30, 1944, 53 cases of canine rabies and 1 case of human rabies were reported as follows:

## RABID DOGS FROM JULY 1, 1943, TO JULY 1, 1944

Bergen .....	13 (12 canine, 1 human)
Essex .....	2
Hudson .....	25
Hunterdon .....	2
Monmouth .....	1
Passaic .....	8
Union .....	2
Warren .....	1
Total .....	54

## QUARANTINE

As a result of an outbreak of rabies in Westchester County and in the Bronx, New York, North Jersey municipalities, inasmuch as they are readily accessible from these areas, were advised of the potential danger that rabies might spread within their jurisdiction and were respectfully requested to invoke a quarantine as stipulated in R. S. 26:4-84. It was pointed out that the utilization of this legal device would serve to protect the public from the danger threatened and would also aid local officials in eliminating stray and unwanted animals in their municipalities. The Rabies Control Unit received excellent co-operation, and, out of 28 municipalities contacted, approximately 75% followed the advice of the Rabies Control Unit.

VIOLATORS FINED FOR NON-COMPLIANCE WITH PROVISIONS OF THE  
RABIES CONTROL ACT

Court cases were instituted against violators of provisions of the Rabies Control Act as follows:

Bayonne, Hudson County .....	114
North Arlington, Bergen County .....	6
Helmetta, Middlesex County .....	1
Lawrence Township, Cumberland County .....	26
Monroe Township, Middlesex County .....	23
Washington Township, Morris County .....	6
Belleville, Essex County .....	20
Englewood Cliffs, Bergen County .....	14
Millstone Township, Monmouth County .....	10
Total .....	220

A total of \$454.00 was collected in fines.

DOG POUNDS IN THE STATE OF NEW JERSEY

R. S. 4:19-15.16 provides for the seizure and impounding of all dogs, the owners of which have not complied with the provisions of the act, as well as all stray dogs, by legally constituted authorities in each municipality.

Since the public is required by State statute to license all dogs over seven months of age, it has a right to expect that all animals be given reasonable care while impounded. "Reasonable care," it would seem, should include humane handling, wholesome food in sufficient quantity at regular intervals, water, and clean and well-ventilated quarters so constructed that each animal impounded may be out of contact with all other animals in the pound, thus eliminating the possibility of exposure to disease and parasites. The act further requires that when dogs are destroyed it be done in as humane a way as possible. The most popular means now employed is that of the gas chamber into which lethal gas is introduced, properly cooled, and the animal is therefore killed without pain.

Any animals not called for by their owners after seven days are immediately destroyed; animals suspected of being rabid are held under observation until sufficient clinical symptoms develop. The provisions of the act are thus met, which result in advancing materially the fundamental purpose of the act, *i.e.*, the elimination of rabies within the confines of the State of New Jersey.

SURVEY NOW BEING MADE

The Rabies Control Unit is now busily engaged in a survey and "scoring" of each pound within the State, preparatory to improving the conditions under which animals seized are handled. While a preliminary study of the first inspection indicates there are many pounds in need of reconstruction to comply with a common-sense view of this matter, a fair proportion already meet the rules and regulations promulgated by the New Jersey State Department of Health with the co-operation and assistance of the State Department of Agriculture.

The City of Passaic, for instance, now maintains what might be considered an ideal pound. This building is inexpensive, but of substantial construction, well-ventilated, contains individual pens for impounded dogs, and a full-time warden gives the animals all the care that any reasonable person could expect. It must be realized that there are many small municipalities where it would not be expedient to construct a pound meeting all the specifications now imposed. It is the thought of the Rabies Control Unit that a consolidation of several such communities into a district, each municipality paying its pro rata share, will eventually solve this part of the problem.

# Report of the Bureau of Engineering

For the Year Ending June 30, 1944

By H. P. CROFT, Chief Engineer

NUMBER OF SEWAGE, MAUSOLEUM, AND WATER PROJECTS EXAMINED AND APPROVED  
FROM JULY 1, 1943 TO JUNE 30, 1944

<i>Character of Projects</i>	<i>Number of Projects</i>	<i>Number of Applying Municipalities, Commissions or Companies</i>	<i>Number of Plans</i>	<i>Engineers' Estimates of Cost</i>
<i>Sewage:</i>				
Sewer extensions .....	12	10	23	\$47,905.00
Alterations and additions to sewer systems, sewage and/or industrial waste treatment plants .....	14	14	32	340,950.00
New sewage and/or industrial waste treatment works, systems and appurtenances .....	6	5	23	633,175.00
<i>Mausoleums:</i>				
Proposed construction of a public mausoleum .....	1	1	9	600,000.00
<i>Water:</i>				
Alterations, improvements and additions to waterworks .....	35	32	101	524,177.72
New systems and supplies .....	5	5	5	4,741.00
Totals .....	73	67	193	\$2,150,098.72
Total of engineers' estimates of cost for the fiscal year ending June 30, 1943 .....				\$1,456,015.00

## INSPECTIONS MADE AND CERTAIN ACTIONS TAKEN FROM JULY 1, 1943 TO JUNE 30, 1944

Inspections, special water, including the compilation of an inventory of small water supplies .....	460
Inspections, special sewage .....	267
Inspections, railroad certification .....	54
Inspections, creamery and/or dairy, laundry and cannery wastes .....	11
Inspections, physical connections .....	66
Inspections, watershed .....	7
Complaints, water; conferences, hearings and meetings .....	47
Complaints, sewage; conferences, hearings and meetings .....	53



Two hundred and thirty-nine man-working days were spent on stream and/or river investigations; 7 man-working days were spent in attending court trials and serving court papers; 136 man-working days were spent in attending meetings, conferences, hearings, etc.; 225 man-working days were spent in the administration of sewage and water treatment and water supply operators pursuant to the provisions of R. S. 58:11-14 through R. S. 58:11-18, and chapter 206, P. L. 1938; 135 man-working days were spent on the Raritan River survey pursuant to the provisions of R. S. 58:12; 115 man-working days were spent on the Delaware River survey pursuant to the provisions of chapter 146, P. L. 1939; 6 man-working days were spent on sanitary surveys; 175 man-working days were spent in the investigation of rural school water supplies; 150 man-working days were spent on post-war planning; 40 man-working days were spent in the investigation of seashore outfalls; 60 man-working days were spent in the collection of surf samples.

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

Bellmawr, Borough of .....	2
Cedar Grove Township .....	4
East Brunswick Township (Anheuser-Busch, Inc., Old Bridge) .....	3
Middlesex, Borough of .....	10
New Brunswick, City of .....	17
Raritan, Town of .....	13
Raritan Township (Camp Kilmer) .....	9
Sayreville, Borough of (Titanium Pigment Division, National Lead Company) ..	14
Somerville, Borough of .....	17
South River, Borough of .....	3
Teaneck Township .....	9
Upper Deerfield Township (Deerfield Packing Corporation) .....	14
Wrightstown, Borough of .....	7

Sanitary inspections were made upon the following streams and/or rivers:

Cohansey River	Navesink River
Crooked Brook	Overpeck Creek
Delaware River	Passaic River
Foster's Run	Peckman River
Hackensack River	Pequannock River
Indian Run	Rahway River
Luppatacong Creek	Rancocas Creek
Metedeconk River	Raritan River
Mile Run	Stony Brook
Millstone River	Wolf Creek

Cases referred to the Attorney-General for prosecution pursuant to the provisions of R. S. 26:2-43, R. S. 58:10-1, R. S. 58:11-1 through R. S. 58:11-3, R. S. 58:11-14 through R. S. 58:11-18 and chapter 206, P. L. 1938, and R. S. 58:12-2..

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Notices issued to cease stream pollution pursuant to the provisions of R. S. 58:10-1 through R. S. 58:10-4, the Potable Water Act .....	5
Notices issued to prohibit the use of water unless treated and/or purified pursuant to the provisions of R. S. 58:11-1 through R. S. 58:11-3 .....	8
Notices issued pursuant to the provisions of R. S. 58:12-1 through R. S. 58:12-3, the State Sewerage Act .....	3
Notices issued to abate nuisances or sources of foulness pursuant to the provisions of R. S. 26:2-43 .....	2
Notices issued pursuant to the provisions of chapter 308, P. L. 1942, to abate or remove the unapproved physical connections between approved sources of public potable water supplies and unapproved water supplies .....	10
Orders of Necessity issued pursuant to the provisions of R. S. 40:1-16, subdivision "g" .....	4
Resolutions rescinding the terms of notices pursuant to R. S. 58:12-2 through R. S. 58:12-3 .....	3
Resolutions rescinding terms of notices pursuant to the provisions of R. S. 58:11-1 .....	7
Resolutions requesting Attorney-General to discontinue proceedings pursuant to the provisions of R. S. 58:11-1 and R. S. 58:12-2 through R. S. 58:12-3 .....	6
Resolutions requesting Attorney-General to institute proceedings for failure to comply with the terms of final decrees or writs of injunction, pursuant to the provisions of R. S. 26:2-43 .....	9
Resolutions rescinding permits authorizing the construction and operation of sewer extensions .....	1
Resolutions lowering classification of water supply license pursuant to the provisions of R. S. 58:11-14 through R. S. 58:11-18 .....	1
Resolutions granting permission to discontinue submission of analytical data.....	1
Resolutions granting permission to licensed sewage and water treatment plant and water supply operators to operate more than one utility .....	2
Resolutions confirming action of Director of Health in a letter to the Attorney-General requesting the adjournment of hearing .....	1
Resolutions acquiescing in the discharge of settled and chlorinated sewage into the waters of the State until such time as labor and material shall be available in the open market for the construction of sewage disposal facilities .....	2
Resolutions amending Rules and Regulations in accordance with the provisions of R. S. 58:11-14 through R. S. 58:11-18 and chapter 206, P. L. 1938 .....	2
Resolutions rescinding permits for the construction and use of water supplies and removing supplies from list of approved supplies .....	1
Resolutions amending permits for the construction and use of water from public potable water supplies .....	1
Resolutions approving location of proposed wells as sources of public potable water supplies .....	3
Resolutions approving sites for proposed sewage treatment plants .....	1
Resolutions approving methods of proposed sewage treatment .....	1
Resolutions modifying permits to the extent that disinfection of water shall be discontinued as long as water continues to meet the standards .....	1
Resolutions extending approvals of plans, specifications, etc., for partial sanitary sewer systems for a two-year period .....	1
Resolutions appointing special watershed inspectors .....	1
Resolutions disapproving plans, etc., for additions and alterations to sewage treatment plants, sewer systems, etc. ....	2

Resolutions denying permits to construct additions and alterations to sewage treatment plants, sewer systems, etc. ....	7
Resolutions denying permits for the construction and distribution of water from proposed additional sources of public potable water supplies .....	2

#### CHANGES IN ACTIVITIES

Due to a decrease in personnel and travel restrictions, the following activities have been discontinued: the collection and analyses of stream samples at stations established, jointly or separately, by the State Water Policy Commission and the State Department of Health; the collection and analyses of routine samples from certain water supplies important in war and defense activities; the routine inspection of all water treatment and/or purification plants; the routine inspection of all sewage treatment plants; and, the investigation of inland recreational waters and the collection and analyses of samples from such waters.

The following activities have been curtailed: the inspection of sewage treatment plants and outfall pipes at seashore municipalities; the collection and analyses of bay and surf samples; routine watershed inspections; inspections that relate to taste and/or odors in public water supplies; inspections that relate to stream pollution, alleged to adversely affect comfort or property; algae investigations; inspections of land areas adjacent to shellfish areas; and, legal actions based upon the provisions of the State Sewerage Act (R. S. 58:12-1 through R. S. 58:12-4).

Activities have continued, or have been intensified, upon the following lines of work: the safeness of public water supplies including those at the seasonal resorts in the lake sections of the State; the safeness of water supplies at rural schools; the supervision of cross-connection installations (chapter 308, P. L. 1942); the abatement of stream pollutions that (a) violate the provisions of the Potable Water Act (R. S. 58:10-1 through R. S. 58:10-4), or (b) produce conditions that may adversely affect the health of groups of inhabitants; the certification of water used by interstate carriers; the enforcement of the police powers that relate to water supplies, sewerage systems and stream pollution and are lodged in the Department for enforcement; the consummation of legal actions already begun, or, authorized by Board action; and, long range surveys begun before the war.

#### CHANGE IN BUREAU'S TITLE

At a meeting of the Department held on March 14, 1944, it was on motion voted "that the title of the present Bureau of Engineering be changed to the Bureau of Engineering and Sanitation, the duties and functions of the aforesaid Bureau of Engineering and Sanitation to remain for the present the same as those of the Bureau of Engineering."

## Report of the Bureau of Food and Drugs

For the Year Ending June 30, 1944

By WALTER W. SCOFIELD, *Chief*

The Bureau of Food and Drugs enforces laws passed by the Legislature to prevent the adulteration and misbranding of foods, drugs, devices and cosmetics, and also those laws passed to prevent the handling, preparation, storage and transportation of foods or drugs under unclean conditions.

Difficulties in maintaining high standards for foods, drugs and cosmetics are increased in times of war because of shortages of skilled labor and because of shortages of raw materials and equipment available to food handlers. The staff of the Bureau of Food and Drugs has been reduced as our men have entered the armed forces and it has been impossible to employ temporary replacements for certain positions. However, the employees who have remained have met every emergency by working overtime voluntarily under difficult restrictions governing traveling.

Certain of these war-time food, drug and cosmetic problems will be discussed in this report.

During the year samples of the basic foods, milk, butter, cream, ice cream and meat products have been collected by agents of this Department, as sold to the public.

An increase in the number of samples of milk which had been adulterated by the addition of water was noted. Legal actions were instituted in these cases for the collection of the penalties fixed by law.

With few exceptions, the samples of butter, cream and ice cream complied with the standards fixed for these products. Penalties were demanded where the samples differed from the legal standards.

Samples of hamburg steak and pork sausage have been collected. Again a large percentage of the samples were adulterated by the addition of excessive quantities of fat. As pointed out in the report of 1942-1943, the practice of grinding and selling beef containing between 20 per cent and 45 per cent of fat and selling sausage containing as high as 60 per cent of fat deprives the people of valuable protein needed to maintain strength and defrauds them by

the substitution of fat for lean meat. This practice also results in the waste of large quantities of fat needed in the prosecution of the war. A large number of warning notices have been sent to the persons or firms selling such adulterated meat products.

#### INVESTIGATION OF "READY-TO-EAT" HAMS

During the past year, agents of the Bureau, in co-operation with a bacteriologist from the Bureau of Bacteriology of this Department, have made a thorough investigation of the methods used in the processing of "ready-to-eat" or "ready-to-serve" hams as prepared in the meat packing establishments of this State. A complete report of this investigation appears in the issue of the "Public Health News" of this Department for April, 1944.

#### FROZEN FOODS

During the past year, several plants in New Jersey were equipped for the freezing and storage of frozen foods. In most of these newer cold storage warehouses, private rooms are rented by the warehousemen to individuals. It has been our opinion that the storage of foods in such warehouses in which rooms or compartments are maintained below a temperature of 45° F. come within the provisions of the Cold Storage Law of New Jersey and consequently these locker plants are required to obtain a license from this Department and to operate these establishments in compliance with the provisions of the law and regulations governing the cold storage of food. The Cold Storage Law of the State defines a "cold storage warehouse" as any place artificially cooled to or below a temperature of 45° F. in which articles are placed or held for 30 days or more. In some cases, these newer cold storage establishments have received large quantities of fresh vegetables for freezing and storage. In two instances which have come to our attention, large quantities of green vegetables have been prepared at points distant from the location of the cold storage warehouse and because of failure to prepare the vegetables for freezing by proper blanching, packaging and transportation to the warehouse, or because of inability to carry out all of the steps in the preparation and freezing of the vegetables rapidly, large quantities of vegetables have decomposed and have been found unfit for food. In two instances, large quantities of vegetables found in violation of the food law of the State have been destroyed under the supervision of agents of this Bureau and additional large quantities of vegetables have been placed under embargo by this Department pending final judgment in certain litigation between different interested parties regarding responsibility for the improper handling of the food.

Following the discovery of these two large lots of decomposed vegetables, it was deemed wise to send a letter of advice to the operators of cold storage warehouses in New Jersey advising them to refrain from accepting foods for quick freezing and/or storage unless such foods had been properly prepared for freezing and/or storage.

#### FOOD ADULTERATIONS INVOLVING FILTH AND DECOMPOSITION

During the past year, emphasis has been placed upon the inspection of stocks of foods to prevent the distribution and sale of foods contaminated with insects, insect fragments, rodent excreta or other foreign contamination. Large stocks of flour stored in bakeries or other food establishments were found contaminated with weevils and rodent excreta. During the year, 10,386 pounds of flour were condemned and destroyed because of excessive filth from such insects or rodents. Most of the contamination of flour resulted from improper storage conditions or lack of care in handling flour promptly.

A shortage of metal containers stimulated the dehydration of certain vegetables which could be placed upon the market in fiber containers. Samples of dehydrated foods were collected and in several cases these foods were found to be contaminated with insects and insect fragments. Where the dehydrated foods were made in New Jersey, action was taken to correct the methods of preparation to eliminate the possibility of contamination. Where the dehydrated foods were prepared in other States, information was submitted to the Federal Food and Drug Administration for investigation. The practice of allowing valuable foods to spoil during a war period because of improper methods of preparation, handling and storage is most reprehensible.

#### INSPECTION OF HOTEL AND RESTAURANT KITCHENS AND DRUG STORE LUNCHEONETTES

The employment of many people in war industries, particularly housewives, has caused more people than ever before to patronize public eating places. It is increasingly difficult to secure labor willing to perform the disagreeable tasks of washing dishes and cleaning cooking and kitchen equipment at wages below that paid in other industries.

The preparation and the service of food or drink in glasses, containers or kitchen equipment which have not been thoroughly washed and rinsed after use may result in the transfer of living micro-organisms capable of causing disease. Consequently, the Bureau has demanded that all eating, drinking and kitchen equipment be cleansed thoroughly before re-use.

In the inspection of kitchens of public eating places, particular attention has been paid to the protection of perishable foods by proper refrigeration, to the measures taken to prevent contamination of foods by insects and rodents, and to the proper disposal of garbage.

During the year, 1,871 inspections have been made of hotel and restaurant kitchens and drug store luncheonettes.

#### DAIRY FARM AND MILK PLANT INSPECTION

Responsibility for the production, handling and distribution of milk, cream and milk products, under Title 24, chapter 10, Revised Statutes of New Jersey, is placed in the Bureau of Food and Drugs, and carried out by means of a licensing system.

Local boards of health have authority to enforce the provisions of the law within their respective jurisdictions. Certain local boards are not adequately equipped with personnel necessary to carry on supervision of milk supplies. Work is co-ordinated with that of the State Department whenever possible. This Department has received excellent co-operation from these agencies in the inspection of dairy farms and milk plants.

Reasonable tolerance is always exercised by our representatives in the performance of their duties. When the violation proves to be a menace to public health, however, prosecutions are instituted and licenses revoked.

The national defense program, coupled with a severe drought, has resulted in extensive changes in the order of business in many milk plants, necessitating additional supplies of milk. Lack of funds and manpower have compelled the issuance of temporary emergency permits for the importation of milk or cream upon certification of its fitness by a recognized health agency. Later inspection of some of these supplies by our own representatives proved that they failed to meet the minimum requirements of our law and their permits were revoked.

Special investigations were made in milk pasteurizing plants following the receipt of laboratory reports indicating inadequate pasteurization. The causes for this were varied but fell into certain well-defined groups such as worn-out equipment, improperly-operated manual controls, or careless methods. In all cases, the cause was discovered and the condition corrected. This emphasizes the need of close supervision by our inspectors in the operation of all milk pasteurizing plants in order to secure the safety of milk and milk products for food.

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

State	Number of Inspections of Milk Plants	Number of Inspections of Dairies
Delaware .....	1 .....	18
Maryland .....	3 .....	59
Michigan .....	2 .....	32
New York .....	3 .....	19
New Jersey .....	1,907 .....	3,340
Ohio .....	2 .....	..
Pennsylvania .....	21 .....	141
Wisconsin .....	11 .....	58
	<hr/>	<hr/>
	1,950	3,667

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

State	Number of Inspections of Milk Plants	Number of Inspections of Dairies
Delaware .....	1 .....	24
Indiana .....	1 .....	94
Maryland .....	2 .....	25
Michigan .....	3 .....	58
New York .....	158 .....	3,650
Pennsylvania .....	83 .....	2,943
Wisconsin .....	5 .....	153
	<hr/>	<hr/>
	253	6,947

#### MILK MISBRANDING

During the year it became the practice of certain milk dealers to sell milk under special symbols. A section of the State law provides that this may be done providing a statement regarding the meaning of such symbols and the food value of the milk is filed with this Department. A number of such statements were filed with this Department during the year. It has also become a practice for certain dealers to label packages of milk with the minimum butterfat content of the milk. For example, the statement "Minimum Butterfat 4%" is used on bottle caps by certain dealers. While this idea of informing the purchasers of the fat content of the milk is an excellent idea and is encouraged by the Department, in a considerable number of cases the milk so labeled has been found to contain considerable less fat than the amount declared upon the cap or label. False and misleading information on pack-

ages of milk constitutes "misbranding" within the meaning of the law and many penalties have been collected for such violations during the year.

A number of samples of milk have been found to be misbranded in that the correct day of pasteurization of the milk did not appear upon the package. For instance, milk pasteurized on a particular day, such as Monday, may be offered for sale bearing the words "Pasteurized Tuesday." Such a practice constitutes "misbranding" under the law and it has been necessary to impose penalties in a number of cases. The consumer is entitled to know the truth regarding the day and place of pasteurization of milk and every effort will continue to be made to enforce this requirement of the law.

#### SLAUGHTERHOUSES

Because of the unusual demand for meat by the armed forces during the last year, there were periods when meat was very scarce for civilians. The unusual demand stimulated the slaughter of meat animals at the slaughterhouses in New Jersey to make up for the deficiency of meat coming from the mid-western part of the country. Because of the unusual activity in the abattoirs of this State, inspectors of the Bureau have made 784 inspections of the 139 licensed slaughter-houses of this State. The primary purpose of these inspections was to enforce the provisions of the State law governing sanitation of such establishments and also, during such visits to the slaughterhouses, to make thorough inspections of the meat as to its wholesomeness for food and of the effectiveness of the processes used in the preparation of meat products. In general, the slaughter-houses of the State have been found to be operated under clean conditions. In a few instances, it has been found necessary to serve notice upon such operators to abate violations. It is again pointed out that in many of the establishments, processes were employed which were not effective in rendering meat or meat products "ready-to-eat" as represented by the meat distributors. These findings led to a thorough investigation of the practices employed in the preparation of "ready-to-eat" hams.

Our agents report that during the year they examined the following quantities of meats, together with the quantity of meats which were condemned and destroyed as being unfit for food purposes:

	MEAT INSPECTIONS		Condemned	
	Passed for Food Carcasses	Pounds	Carcasses	Pounds
Beef .....	923	21,700	2	32
Pork .....	335	7,725	..	285
Horse .....	30	2,000	..	..
Lamb .....	83	....	..	..
Veal .....	167	....	..	..

Summary of articles of foods condemned and destroyed, which were found to be adulterated:

Article	Amount
Bread flour .....	10,321 pounds
Corn meal flour .....	65 pounds
Corn starch .....	150 pounds
Frozen asparagus .....	21,545 pounds
Imitation coconut grindings .....	25 pounds
Macaroni pellets .....	12,640 pounds
Nonalcoholic beverages .....	12,168 bottles
Powdered milk .....	50 pounds
Powdered sugar .....	75 pounds

#### SUMMARY OF EXAMINATIONS OF SAMPLES OF DRUGS AND CAUSTIC ALKALIES

Certain drugs and caustic alkalies were selected for collection and examination for the purpose of ascertaining whether or not these articles were prepared and sold in accordance with the official definitions and standards and also in accordance with the provisions of law which require the declaration of the active ingredients, of adequate directions for use and of adequate warnings against unsafe use.

The following table shows the total number of the different drugs and caustic alkalies collected in these surveys, together with the number of each which were found to comply with the provisions of the law, the number which differed from the official standard, and the number which were misbranded:

Product Collected	Number Collected	Number Misbranded	Number Adulterated	Number Properly Labeled and Standardized
Blue ointment .....	58	40	..	18
Brown mixture .....	64	44	3	17
Burrow's Solution .....	59	17	22	20
Calamine lotion .....	154	54	31	69
Diluted hydrochloric acid .....	54	27	27	..
Essence of peppermint .....	1	..	..	1
Household ammonia water .....	30	1	4	25
Isopropyl alcohol .....	2	2	..	..
Lye and other caustics .....	38	..	..	38
Mild tincture of iodine .....	61	8	28	25
Paregoric .....	59	40	2	17
Solution magnesium citrate .....	71	13	17	41
Stoke's Expectorant .....	82	61	..	21
Sulfathiazole ointment .....	2	2	..	..
Tincture of iron .....	46	43	3	..
Miscellaneous drugs .....	10	6	2	2

In addition to the work shown in the above compilation regarding drugs, inspectors of the Bureau visited 98 pharmacies throughout the State and requested barbitol tablets, which are prohibited from sale excepting upon prescription. Only one violation occurred.

In another investigation, our agents visited 106 pharmacies throughout the State and requested benzedrine sulphate tablets, which are prohibited from sale excepting upon prescription. In this investigation, only one sale was made.

In certain cases where flagrant violations of the law were found, prosecutions were instituted for the collection of the penalties fixed by the law.

In many cases of misbranding in which adequate directions for use and adequate warnings against possible dangers in use were omitted, warnings were sent to the persons or firms preparing and distributing the articles to correct these labelings.

## PENALTIES

During the year, \$10,147.75 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:

662 Milk Permits .....	@ \$25.00 .....	\$16,550.00
11 Goat Milk Permits .....	@ 10.00 .....	110.00
22 Ice Cream Plant Licenses .....	@ 100.00 .....	2,200.00
9 Ice Cream Plant Licenses .....	@ 50.00 .....	450.00
8 Ice Cream Plant Licenses .....	@ 25.00 .....	200.00
39 Ice Cream Plant Licenses .....	@ 10.00 .....	390.00
455 Ice Cream Plant Licenses .....	@ 5.00 .....	2,275.00
48 Cold Storage Licenses .....	@ 10.00 .....	480.00
1 Narcotic Drug License .....	@ 50.00 .....	50.00
42 Narcotic Drug Licenses .....	@ 5.00 .....	210.00
1,297		\$22,915.00
Refund of 1 Cold Storage License Fee .....		-10.00
		\$22,905.00

## SAMPLES OF MILK, CREAM, FOODS, DRUGS COLLECTED FOR ANALYSES

	Above Standard	Below Standard	Misbranded	Total
Milk and Cream .....	5,302	128	177	5,607
Foods .....	1,731	627	52	2,410
Drugs .....	297	137	352	781
Miscellaneous .....	7	9	3	19
	7,337	901	584	8,817

SANITARY INSPECTIONS MADE OF ESTABLISHMENTS WHERE FOODSTUFFS ARE  
PRODUCED, PREPARED, PACKED, STORED OR OTHERWISE HANDLED

	<i>Inspec- tions</i>
Alcoholic Beverage Plants .....	7
Apple Cider Plants .....	6
Bakeries .....	2,119
Candy Factories .....	19
Canning Factories .....	108
Cold Storage Warehouses .....	517
Dairies .....	3,667
Drug Manufacturing Plants .....	2
Drug Stores .....	2
Egg Breaking Establishments .....	139
Fish Smoking Establishments .....	5
Grain and Flour Warehouses .....	10
Ice Cream Manufacturing Plants .....	464
Meat Markets .....	21
Meat Packing Establishments .....	43
Milk Plants .....	1,950
Miscellaneous Food Establishments .....	11
Non-Alcoholic Beverage Establishments .....	286
Poultry Slaughterhouses .....	39
Restaurants and Hotel Kitchens .....	1,871
Shellfish Shipping Plants .....	1,321
Shellfish Shucking Plants .....	432
Shellfish Inspections (Miscellaneous) .....	64
Slaughterhouses .....	784
Syrup Bottling Plants .....	2
Wineries .....	2
	13,891

COLD STORAGE

Section 24:9-12 of the Revised Statutes (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, 1943 to June 30, 1944, 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>
1,220 boxes	cheese	3 months
290 boxes	cheese	1 month
564—30-lb. cans	egg yolks	1 month
425—30-lb. cans	egg yolks	2 months
1,639—30-lb. cans	whole eggs	15 days
8,714—30-lb. cans	frozen eggs	6 months
341 boxes	fresh meat	15 days
35 cartons	fresh fish	15 days

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 1943-1944

ARTICLE	July 1943	August 1943	September 1943	October 1943	November 1943	December 1943	January 1944	February 1944	March 1944	April 1944	May 1944	June 1944
Eggs, cases	327,593	259,023	294,960	212,174	104,770	85,423	115,092	102,862	277,131	271,518	500,275	553,585
Eggs, broken, lbs.	5,138,431	6,097,506	6,198,720	4,820,607	4,348,235	3,267,803	3,464,780	4,394,233	4,515,583	4,986,440	4,800,317	5,020,717
Cheese, lbs.	4,209,844	5,093,080	5,085,363	6,414,313	4,846,001	4,512,053	7,473,013	12,242,423	11,700,038	12,043,050	14,134,000	10,204,900
Butter, lbs.	37,638,337	22,609,598	22,639,835	19,673,058	18,831,670	11,891,587	9,701,835	9,208,973	9,447,051	9,537,000	8,291,383	11,227,124
Poultry, lbs.	4,654,570	6,244,089	6,773,127	9,722,244	13,600,717	13,331,083	12,090,307	8,954,740	9,467,503	8,537,000	8,291,383	8,168,203
Fresh meats, lbs.	20,986,705	23,482,321	24,867,577	24,206,282	27,217,382	23,450,329	20,608,891	41,682,043	31,103,342	34,941,570	30,243,811	35,313,008
Fresh fish, lbs.	4,575,750	7,385,300	5,017,232	6,841,340	6,110,741	4,887,612	3,980,988	2,880,139	3,905,029	3,704,425	6,234,408	6,585,098
Milk and milk products, lbs.	2,576,702	2,644,818	2,708,983	2,741,157	2,628,822	2,607,029	1,328,133	1,081,721	1,124,511	1,327,124	1,400,760	1,002,839
Edible fats and oils, lbs.	15,214,672	20,804,857	18,786,810	14,662,626	10,532,219	12,030,131	22,478,752	23,080,987	27,400,376	30,379,813	18,404,623	15,470,291
Game, lbs.	2,097	2,091	3,292	2,659	8,040	9,309	4,172	300	3,303	9,884	707	533
Miscellaneous articles, pkgs.	736,773	684,919	883,919	1,141,270	1,110,237	1,132,107	1,293,485	1,120,847	1,040,025	923,392	697,010	651,512

SANITARY SHELLFISH CONTROL

The Shellfish Division program was carried out completely despite war shortages and restriction of navigation. The Bureau was able to maintain three shellfish field laboratories, to keep a trained bacteriologist at each station, and to operate the necessary boats in inland waters. The program included sanitary surveys of growing waters, sampling and bacteriological examination of growing waters and shellfish, and frequent inspections of shippers and dealers.

Large volumes of hard clams, shucked oysters, shell oysters, shucked soft clams and shell soft clams were shipped, adding a valuable food to the nation's diet. Near the end of the year, mussels began to move into the markets in considerable quantity; control of sanitation of this product threw an additional load upon the personnel, but if the market is maintained, will increase the volume of shellfish produced in the State. Sanitary regulation of the large oyster shucking industry was strictly enforced, resulting in a product of high quality. Shucked oysters from these carefully controlled establishments are shipped all over the nation in one gallon cans packed in cracked ice. All kinds of shellfish in the shell are shipped to markets in nearby States and in New Jersey, which is a large consumer of sea food.

The possibility of pollution arising from increased personnel at Coast Guard stations was investigated. Areas adjacent to army camps, war plants and boat yards located in or near shellfish beds were closely watched. However, it was found that pollutions from such sources affected a comparatively small area of the growing waters, with the exception of Raritan Bay.

The greater part of Raritan Bay has been closed to the taking of shellfish due to the influx of enormous volumes of sewage-laden waters from the large metropolitan and industrial areas lying to the north; these waters can not be measurably improved until after the war.

The effect upon shellfish in Delaware Bay of pollution existing in the Delaware River in the Philadelphia-Camden area has been studied for several years. Sanitary surveys have been conducted from the lower part of the bay up to the Philadelphia-Camden bridge. In August, 1943, such a survey was again made which demonstrated the presence of deplorably polluted river waters in the metropolitan area. This pollution constitutes a serious menace to the large shellfish industry at Maurice River. Growing waters in Delaware Bay and Maurice River Cove must be closely watched and frequently examined. Steps are being taken by the Department to obviate this menace to this important food industry.



The use of the 61-foot shellfish control boat "Inspector" has been invaluable in making studies of the Delaware River. It is equipped with a laboratory in which complete bacteriological studies can be carried on, and chemical analyses conducted, on extended trips. This boat also was employed in investigation of coastal areas from Bay Head to Cape May, and during the year logged 1,258 miles in six months of commission.

During the fiscal year ending June 30, 1944, there were examined 1,669 samples of water, 295 samples of shucked oysters, 212 samples of shell oysters, 441 samples of hard clams, 74 samples of soft clams and 14 samples of mussels, making a total of 2,705 samples examined in the various laboratories.

There were also made 1,321 inspections of shellfish handling establishments; 432 inspections of shucking establishments and 64 miscellaneous inspections, totaling 1,817 inspections. Three hundred and twenty-seven establishments were granted shellfish shipping certificates by the Department.

## Report of the Bureau of Bacteriology

For the Year Ending June 30, 1944

By JOHN H. SPOONER, JR., *Senior Bacteriologist*

During the fiscal year ending June 30, 1944, the Bureau of Bacteriology was grieved by the loss of its esteemed chief, John V. Mulcahy, who had been chief since December, 1922, and had seen the laboratory expand tremendously in the number of employees, specimens examined, and services rendered to physicians, health departments and other bureaus throughout the State.

Mr. Mulcahy had been in poor health for nearly a year and suffered a pneumonia attack in November, 1943. He recovered partially and returned to work only to be hospitalized in April. He retired from State service on June 15, 1944, having been with the Health Department for 41 years. On August 3, 1944, he passed on, never recovering sufficiently to leave the hospital.

Mr. Mulcahy will be remembered for his kindly interest and sympathy toward all his personnel, his keen appreciation of all matters pertaining to health work, his fine sense of humor, his unquestioned integrity, and his keen interest in life and the life of his fellow men. It is only now that he is gone, that we fully realize how great is our loss.

The personnel of this Bureau has been reduced by those who have been called to the armed forces, but by the faithfulness and loyalty of the remaining employees, the work of the laboratory has been carried on efficiently.

TABLE I

TOTAL NUMBER OF SPECIMENS EXAMINED DURING FISCAL YEAR ENDING JUNE 30, 1944	
Diphtheria .....	4,610
Tuberculosis .....	8,039
Typhoid fever .....	2,204
Typhoid bacilli (feces and urine) .....	3,992
Gonorrhœa .....	10,159
Syphilis .....	248,277
Miscellaneous specimens .....	8,256
Total .....	285,537

The total number of examinations shown in table I falls below the examinations made in the last fiscal year. This decrease was undoubtedly due to the large number of physicians serving in the Army and Navy. The large increase in serodiagnostic tests for syphilis during the first years of the war reflects the work done for selective service, expanding war plant personnel and war marriages. This demand has reached its peak at present, but the large number of 248,277 examinations made when so many physicians are away and health officials are working with reduced personnel shows the importance attached to this work. The only tests showing an increase are the smears for gonorrhoea, a typical reflection of war. A comparison of the number of tests for syphilis from 1938 to 1944 is shown in Table II.

TABLE II

## SPECIMENS OF BLOOD EXAMINED FOR SYPHILIS FROM 1938 TO 1944

1938 .....	97,854
1939 .....	160,663
1940 .....	201,418
1941 .....	256,781
1942 .....	278,209
1943 .....	301,152
1944 .....	248,277

Of the total number of the 248,277 specimens of blood and spinal fluid examined at the laboratory, table III shows the number of tests made on applicants for marriage, required by the premarital law, and on expectant mothers, required by the prenatal law.

TABLE III

Number of pre-marital tests .....	31,443
Number of positive pre-marital tests .....	630
Number of pre-natal tests .....	33,798
Number of positive pre-natal tests .....	369
Number of Kline tests .....	36,765
Number of Kahn tests .....	11,231

Out of 31,443 premarital tests, 630 or a little over one per cent were positive. Of the 33,798 prenatal tests, 369 or a little over one per cent were positive. A considerable number of premarital certificates were issued to service men who had their blood tests made in Army, Navy or other service laboratories.

This Department recognizes premarital blood tests made in all United States service laboratories as well as those made in all State laboratories, and those made in New York City, Philadelphia and Baltimore.

Table IV gives a more comprehensive view of the number and types of specimens examined and classified as miscellaneous.

The laboratory expects much more work in this category in the future, especially in malaria and tropical diseases. With this in view a new malaria outfit is being prepared with instructions for submitting both thick and thin smears to the laboratory for examination. This new malaria outfit will be available as soon as the instruction sheets are obtained from the printer.

TABLE IV

## MISCELLANEOUS SPECIMENS EXAMINED, POSITIVE, NEGATIVE AND UNSATISFACTORY DURING FISCAL YEAR ENDING JUNE 30, 1944

	Positive	Negative	Unsatisfactory
Rabies .....	8	90	7
Bacterial infection (blood, body fluids, pus, feces, sputum, urine, etc.) .....	491	46	6
B. tuberculosis (body fluids, feces, pus, urine, etc.) .....	22	260	7
B. typhosus (water) .....	..	17	..
Para-typhoid fever .....	3	1,331	9
B. para-typhosus (feces, urine and water) ..	16	762	..
B. dysentery (feces, urine and water) .....	5	119	3
Dysentery (blood reaction for) .....	2	17	..
Gonococcus infection (eye smears) .....	2	48	1
Gonococcus infection (urine) .....	..	1	..
Hemolytic streptococci (throat cultures) ....	244	817	..
Malaria .....	1	51	1
Meningococci .....	1	56	..
Ophthalmia neonatorum .....	6	1	..
Ova and parasites .....	4	514	16
Pneumonia .....	8	11	..
Rocky Mountain spotted fever (blood reaction for) .....	5	79	..
Undulant fever (blood reaction for) .....	88	1,281	1
Blood (culture for type of organism) ...	..	2	..
Feces (culture for type of organism) ...	..	3	..
Urine (culture for type of organism) ...	..	1	..
B. abortus (agglutination test of cow's milk) ..	..	2	..
Treponema pallida .....	1	6	..
Trichinosis .....	..	1	..
Tularemia .....	1	46	..
Typhus fever (blood reaction for) .....	1	11	..
Vincent's angina .....	100	227	2
Special examination of eating utensils .....	277	769	4
Other unusual examinations .....	61	295	8
Total .....	1,347	6,844	65
Grand total .....			8,256

TABLE V

RABIES SPECIMENS, SPECIES OF ANIMALS, POSITIVE, NEGATIVE AND UNSATISFACTORY, EXAMINED DURING FISCAL YEAR ENDING JUNE 30, 1944

Dogs—Positive, 7; Negative, 70; Unsatisfactory, 7.
Cats—Negative, 9.
Weasels—Negative, 1.
Horses—Negative, 1.
Skunks—Negative, 1.
Squirrels—Negative, 3.
Rats—Negative, 1.
Foxes—Negative, 1.
Human—Positive, 1.
Cows—Negative, 2.
Rabbits—Negative, 1.

A picture of rabies, as reflected by the number of animals examined by the Bureau of Bacteriology over a period of years, can be obtained from table VI.

TABLE VI

YEARLY TOTALS OF ANIMALS EXAMINED FOR RABIES FROM 1935 TO 1944

	1935	1936	1937	1938	1939	1940	1941	1942	1943	1944
Positive .....	72	150	82	138	262	116	76	45	8	8
Negative .....	94	121	138	110	237	140	144	129	103	90
Unsatisfactory .....	12	12	12	17	26	15	7	17	15	7
Totals .....	178	283	232	265	525	271	227	191	126	105

New Jersey has so far been fortunate in escaping the rabies so prevalent in other States at the present time. We were extremely unfortunate however in having one human case which was proved by microscopic examination and animal inoculation.

TABLE VII

MUNICIPALITIES, ARRANGED BY COUNTIES, FROM WHICH RABID ANIMALS WERE RECEIVED DURING FISCAL YEAR ENDING JUNE 30, 1944

Bergen County—Hackensack, 1.
Hunterdon County—Clinton, 1; Lebanon, 1.
Monmouth County—Deal, 1.
Passaic County—Paterson, 2.
Union County—Summit, 1.
Easton, Pa.—1.

The following charts further tabulate the scope of the work of the Bureau:

TABLE VIII

SPECIMENS EXAMINED FOR DIPHTHERIA BACILLI DURING FISCAL YEAR ENDING JUNE 30, 1944, BY MONTHS

Month	Positive	Negative	Unsatisfactory	Total
July .....	3	460	20	483
August .....	1	236	7	244
September .....	1	410	13	424
October .....	..	369	10	379
November .....	..	273	15	288
December .....	2	263	4	269
January .....	10	373	17	400
February .....	12	396	11	419
March .....	10	550	7	567
April .....	4	352	6	362
May .....	15	375	17	407
June .....	16	340	12	368
Total .....	74	4,397	139	4,610

During the year 11 tests were made for the virulence of the diphtheria bacillus, positive 4, negative 7.

TABLE IX

SPECIMENS EXAMINED FOR TUBERCLE BACILLI DURING FISCAL YEAR ENDING JUNE 30, 1944, BY MONTHS

Month	Positive	Negative	Unsatisfactory	Total
July .....	103	534	10	647
August .....	72	466	20	558
September .....	77	477	5	559
October .....	70	536	10	616
November .....	65	520	17	602
December .....	62	539	15	616
January .....	69	600	4	673
February .....	90	637	8	735
March .....	65	673	12	750
April .....	106	621	20	747
May .....	81	677	19	777
June .....	96	651	12	759
Total .....	956	6,931	152	8,039

TABLE X

SPECIMENS EXAMINED FOR TYPHOID FEVER REACTION DURING FISCAL YEAR ENDING JUNE 30, 1944, BY MONTHS

Month	Positive	Negative	Unsatisfactory	Total
July	3	205	5	213
August	1	183	4	188
September	3	210	14	227
October	5	125	10	140
November	5	162	13	180
December	..	122	6	128
January	1	167	4	172
February	..	158	2	160
March	1	186	2	189
April	3	167	5	175
May	1	201	1	203
June	..	229	..	229
Total	23	2,115	66	2,204

TABLE XI

SPECIMENS OF FECES AND URINE EXAMINED FOR TYPHOID BACILLI DURING FISCAL YEAR ENDING JUNE 30, 1944, BY MONTHS

Month	Positive	Negative	Unsatisfactory	Total
July	5	366	16	387
August	1	252	13	266
September	7	272	15	294
October	5	261	5	271
November	10	252	7	269
December	7	160	2	169
January	3	236	9	248
February	5	221	7	233
March	1	305	5	311
April	41	572	9	622
May	51	477	20	548
June	20	335	19	374
Total	156	3,709	127	3,992

TABLE XII

SPECIMENS EXAMINED FOR GONOCOCCI (PUS SMEARS) DURING FISCAL YEAR ENDING JUNE 30, 1944, BY MONTHS

Month	Positive	Negative	Unsatisfactory	Total
July	69	643	23	735
August	86	625	23	734
September	92	745	42	879
October	78	814	22	914
November	87	716	21	824
December	62	719	15	796
January	67	752	16	835
February	77	786	30	893
March	71	859	28	958
April	86	701	22	809
May	88	781	30	899
June	104	757	22	883
Total	967	8,898	294	10,159

TABLE XIII

MISCELLANEOUS SPECIMENS EXAMINED DURING FISCAL YEAR ENDING JUNE 30, 1944, BY MONTHS

Month	Positive	Negative	Unsatisfactory	Total
July	164	640	5	809
August	116	540	5	661
September	114	568	6	688
October	119	606	7	732
November	77	535	5	617
December	66	404	2	472
January	82	454	5	541
February	133	543	6	682
March	146	693	2	841
April	147	533	4	684
May	113	696	11	820
June	70	632	7	709
Total	1,347	6,844	65	8,256

TABLE XIV

SPECIMENS OF BLOOD AND SPINAL FLUID EXAMINED FOR SYPHILIS (COMPLEMENT FIXATION TEST) DURING FISCAL YEAR ENDING JUNE 30, 1944, BY MONTHS

Month	Positive	Doubtful	Negative	Unsatisfactory	Total
July	1,335	674	21,565	1,401	24,975
August	1,545	577	18,412	1,149	21,683
September	1,418	446	19,356	761	21,981
October	1,673	451	19,551	628	22,303
November	1,543	450	17,009	606	19,608
December	1,099	401	13,430	732	15,662
January	1,442	405	16,570	671	19,088
February	1,504	383	16,341	604	18,832
March	1,447	484	17,073	493	19,497
April	1,118	379	15,721	457	17,675
May	1,361	521	18,138	493	20,513
June	1,489	619	23,609	743	26,460
Total	16,974	5,790	216,775	8,738	248,277

The following tables show the number of animal inoculations and results for the fiscal year:

TABLE XV

GUINEA PIG INOCULATIONS FOR TUBERCULOSIS

Material	Positive	Negative	Unsatisfactory
Sputum	7	47	8
Gastric juice	2	53	5
Urine	1	44	5
Chest fluid	3	22	3
Spinal fluid	..	6	..
Abscess	1	..	..
Foot	..	1	..
Elbow fluid	..	1	..
Blood	..	1	..
Abdominal fluid	..	..	1
Miscellaneous	1	3	..
Total	15	178	22

Total Inoculations. 215

When no evidence of rabies is found in the nerve cells of the brain on microscopic examinations and the animal has bitten a person or persons, Swiss mice are inoculated intradurally and kept under observation for three weeks. The following table shows the source of material inoculated into Swiss mice:

Material	MICE INOCULATIONS FOR RABIES		
	Positive	Negative	Unsatisfactory
Human brain*	1	..	..
Dog brain	..	48	..
Cat brain	..	7	..
Squirrel brain	..	3	..
Cow brain	..	1	..
Horse brain	..	1	..
Skunk brain	..	1	..
Weasel brain	..	1	..
Rabbit brain	..	1	..
Rat brain	..	1	..
Total	1	64	..

An average of three mice are inoculated on each specimen, which means 65 times 3, or 195 mice were inoculated for rabies.

Eleven animals were also inoculated for virulence test for diphtheria, as shown in table VIII. Positive, 4; negative, 7.

## MAILING CASES

Mailing cases must comply with the postal regulations for the transmission of specimens through the mails. War conditions and priorities and large demands for industrial examinations have made these outfits not only hard to obtain but also depleted our supplies. As these containers are returned with specimens they are reassembled and reused. In order to keep these outfits in active circulation, physicians should request only those needed for immediate use, and return all partially assembled and unused outfits promptly.

\* Negri bodies found microscopically also checked with animal inoculation.

TABLE XVI

MAILING CASES FOR THE COLLECTION AND TRANSMISSION OF SPECIMENS SUPPLIED TO  
PHYSICIANS AND REPOSITORIES THROUGHOUT THE STATE DURING  
FISCAL YEAR ENDING JUNE 30, 1944

Diphtheria (regular mailing cases) .....	6,038	
Swabs .....	500	
		6,538
Tuberculosis mailing cases .....		10,649
Typhoid fever mailing cases .....		1,429
Malaria mailing cases .....		81
Gonorrhoea mailing cases .....		11,055
Feces and urine mailing cases .....		4,311
Treponema pallida mailing cases .....		12
Syphilis mailing cases .....		272,445
Ophthalmia neonatorum mailing cases .....		78
Total .....		306,598

TABLE XVII

CULTURE MEDIA PREPARED DURING FISCAL YEAR ENDING JUNE 30, 1944

Endo agar .....	50,000 c.c.
Brilliant green agar .....	10,000 c.c.
Plain agar .....	170,000 c.c.
Tryptone agar .....	14,000 c.c.
Dextrose broth .....	2,000 c.c.
Double strength broth .....	610,000 c.c.
Single strength broth .....	680,000 c.c.
Infusion broth .....	8,000 c.c.
Brilliant green bile .....	280,000 c.c.
Dilution water .....	81,000 c.c.
Total .....	1,905,000 c.c.

## Report of the Bureau of Chemistry

For the Year Ending June 30, 1944

By JOHN E. BACON, Chief

The Bureau of Chemistry makes chemical and bacteriological examinations of samples of foods, drugs, water, sewage and trade wastes collected by the Department's representatives in the enforcement 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, Fish and Game Commission, Milk Control Board, State institutions and State Tax Department. Analyses are also made of various samples of foods and supplies purchased under specifications for institutional use, rural school waters submitted by local boards of education, drinking water, lakes and streams 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.

There were 18,538 samples of food, drugs, water, sewage and miscellaneous preparations examined during the past year, an increase of 2.5% over the number of samples examined during the fiscal year 1942-1943.

TABLES SHOWING NUMBER AND CHARACTER OF SAMPLES EXAMINED IN FOOD AND DRUG  
 LABORATORY DURING THE FISCAL YEAR ENDING JUNE 30, 1944

	<i>Above Standard</i>	<i>Below Standard</i>	<i>Total</i>
Milk .....	4,720	125	4,845
Milk, bacteriological .....	80	1	81
Milk (pasteurization test) .....	131	29	160
Milk, direct microscopic bacterial count .....	46	....	46
Cream .....	392	19	411
Ice cream and frozen products .....	316	52	368
Sour cream .....	149	21	170
Mayonnaise and salad dressing .....	49	....	49
Hamburg .....	254	191	445
Sausage .....	221	128	349
Soft drinks .....	559	45	604
Dehydrated soup mixes .....	78	72	150
Tomato products .....	75	101	176
Miscellaneous samples .....	216	4	220
<b>Total food samples .....</b>	<b>7,286</b>	<b>788</b>	<b>8,074</b>
Blue ointment .....	32	26	58
Brown's mixture .....	59	5	64
Burrow's solution .....	24	25	49
Calomine lotion .....	65	19	84
Citrate magnesia .....	62	6	68
Ferric chloride, tr. ....	29	4	33
Dilute hydrochloric acid .....	40	14	54
Iodine, mild tr. ....	26	21	47
Paregoric .....	58	1	59
Stokes' expectorant .....	82	1	83
Miscellaneous drugs .....	62	3	65
<b>Total drug samples .....</b>	<b>648</b>	<b>141</b>	<b>789</b>
Blood count and blood analyses .....	26	....	26
Urinalyses .....	28	....	28
<b>Total food and drug samples .....</b>	<b>7,988</b>	<b>929</b>	<b>8,917</b>

SAMPLES ANALYZED IN WATER AND SEWAGE LABORATORY FROM JULY 1, 1943 TO JUNE 30, 1944

Month	Samples Analyzed										Total Samples					
	Public Water Supplies	Pay Samples	Miscellaneous	Camp Supplies	Dairy Supplies	County and State Institution Supplies	Bottled Water Samples	School Supplies	Bathing Water Samples	Stream Samples		Sewage Samples	Trade Waste Samples	Sand Samples	Surf Samples	Experimental
<b>1943</b>																
July .....	842	6	82	93	1	13	9	2	29	73	15	14	1	...	1,180	
August .....	456	9	81	14	1	16	...	1	5	241	301	5	2	...	1,133	
September .....	337	16	53	3	7	9	...	115	4	84	17	16	1	...	662	
October .....	234	11	50	3	10	14	...	48	...	131	16	50	...	60	624	
November .....	156	7	37	...	3	19	5	103	1	8	96	15	...	...	450	
December .....	269	7	30	...	...	9	...	125	...	12	223	1	1	...	677	
<b>1944</b>																
January .....	245	6	16	...	3	33	4	94	1	...	10	7	3	...	422	
February .....	591	0	41	...	5	185	...	185	1	11	4	17	5	...	876	
March .....	624	10	32	...	9	13	...	63	1	7	31	28	4	...	813	
April .....	572	13	20	...	9	15	...	29	...	45	36	17	1	...	907	
May .....	262	17	54	...	9	10	...	57	3	21	49	15	4	...	204	
June .....	347	16	71	...	3	14	...	26	11	20	406	27	6	...	795	
<b>Totals .....</b>	<b>4,965</b>	<b>127</b>	<b>567</b>	<b>120</b>	<b>52</b>	<b>172</b>	<b>21</b>	<b>848</b>	<b>56</b>	<b>653</b>	<b>1,204</b>	<b>212</b>	<b>28</b>	<b>482</b>	<b>9,621</b>	

# Report of the Bureau of Maternal and Child Health

For the Calendar Year 1943

By JULIUS LEVY, M.D., *Consultant*

## MATERNAL MORTALITY

The maternal mortality rate for 1943 remains low in spite of the increase in births and the decrease in medical and nursing personnel because of war-time activities. Educational activities, the work of public health nurses, the investigation and study of puerperal deaths, and the co-operation of the Maternal Welfare Committee of the State Medical Society over a period of years have been factors in not only reducing the maternal mortality rate but in preventing its increase at this time. The rate of 1.8 per thousand live births for 1943 is the lowest ever reached in New Jersey, a slight decrease of .1 since 1942.

The greatest reduction in deaths from puerperal causes has occurred during the period between one and six months gestation.

### DEATHS FROM PUERPERAL CAUSES BY PERIOD OF GESTATION

	1 to 3 months	3 to six months	6 months and less than term	At term
1940 .....	16%	11%	23%	49%
1943 .....	6	7	21	62

Probably, because of the continued improvement in economic conditions, the nurse delivery service continued to decrease. There were 552 cases attended by 58 nurses. Sixteen V. N. A. nurses attended 37 cases and 42 private duty nurses attended 515 cases. Physicians called in five consultants in these cases during the year.



## INFANT MORTALITY

The infant mortality rate for 1943 is 34 per thousand live births. This is next to the lowest rate in the history of the State. The 1942 rate of 31 was the lowest ever attained. The slight increase in the infant mortality rate seems to be among the infants over one month of age.

Of the 21 counties in the State, Somerset County with an infant mortality rate of 23 has the lowest rate; while Mercer County with a rate of 54 has the highest.

Of the cities with more than 1,000 births per year, Clifton and East Orange had the lowest rates, 21; Trenton had the highest rate, 59.

## BABY-KEEP-WELL STATIONS

There were 188 Baby-Keep-Well Stations conducted under the supervision of the Bureau throughout the State. Physicians served in 101 of these stations. In 68 of the stations, the doctors who served were paid from Social Security funds. There were 33 stations served by doctors who were paid from local funds or without compensation.

The doctors in the 68 stations saw 1,989 new babies during the year. There were 9,419 examinations made by the doctors paid from Social Security funds.

## EXTENSION OF ACTIVITIES

There were 243 maternal and child health nurses under the supervision of the Bureau. There was only one new demonstration begun during the year, Bellmawr Park and Audubon Village in Camden County.

The following communities assumed a portion of the nurse's salary during the year:

<i>Atlantic County</i>	<i>Camden County</i>	Raritan Twp.	<i>Salem County</i>
Pleasantville	Lindenwold	Holland Twp.	Lower Penns Neck
Egg Harbor City	Haddon Twp.	W. Amwell Twp.	Mannington Twp.
Buena Vista Twp.	Clementon	Union Twp.	Elsinboro
<i>Bergen County</i>	Stratford	Franklin Twp.	Elmer
Hackensack	Pine Hill	Delaware Twp.	<i>Somerset County</i>
Lyndhurst	<i>Gloucester County</i>	Readington Twp.	Montgomery Twp.
Dumont	National Park	Greenwich Twp.	Raritan Twp.
N. Arlington	Franklin Twp.	Alexandria Twp.	<i>Sussex County</i>
Hasbrouck Hgts.	Elk Twp.	Kingwood Twp.	Sussex
Lodi	Washington Twp.	<i>Middlesex County</i>	Hamburg
East Paterson	Logan Twp.	Carteret	Sandyston
Falises Park	<i>Hunterdon County</i>	Metuchen	Walpack Twp.
<i>Burlington County</i>	Frenchtown	Monroe Twp.	<i>Union County</i>
Riverside	E. Amwell Twp.	South Amboy	Hillside

## EDUCATIONAL ACTIVITIES

Three classes were conducted during the year to prepare new field nurses to carry out the program of the Bureau. One special refresher course was conducted for some of the other nurses in the Bureau. A total of 39 nurses attended these classes.

Because of the curtailment of travel and the shortage of nurses, the in-service training was accelerated to three weeks instead of six.

No State-wide conferences or institutes were planned this year. To keep the nurses interested in group efforts and practices, a special "Bulletin for War-time Education" was issued to the supervised staff.

The State Department of Public Instruction was contacted and courses were offered at several points in the State. Some of the subjects were Principles of Public Health Nursing, School Health Problems, and Nutrition. A large group of the nurses responded.

The educational adviser and other members of the Bureau's staff have served on various committees during the year in the interest of the war effort and general educational activities.

## STATISTICAL SUMMARY OF NURSES' WORK

Of the 236 field nurses (243 when all vacancies filled), 150 were paid entirely by the communities in which they work, 19 were paid entirely by the State or from Social Security funds, and 67 were paid partly by the State and partly by the communities.

These nurses had under their supervision 15,357 expectant mothers; 44,281 babies; 66,927 children between one and six years of age; and 131,322 school children.

Visits made in the homes by the nurses .....	548,922
To expectant mothers .....	49,418
To babies .....	211,197
To children one to six years .....	164,174
To school children .....	76,777
Post-partum .....	47,356
Visits to Baby Keep-well Stations .....	60,960
By babies .....	44,656
By preschool children .....	16,304
Prenatal advice (expectant mothers) cases supervised .....	15,357
Total pregnancies terminated .....	11,757
Infant care, total babies supervised .....	44,281
New cases .....	25,281
Post-partum cases supervised .....	18,091
Preschool care (children one to six supervised) .....	66,927
New cases .....	22,927
Child Hygiene Leagues (number classes conducted) .....	726
Dental sessions assisted by nurses .....	1,591
Children under five years of age vaccinated .....	12,516
Children under five years of age immunized .....	11,724
School children supervised .....	131,322
Inspections (annual, general or assisting doctor) .....	917,492
Children immunized .....	3,496

## AUDIOMETER

The audiometer, rented to Boards of Education, was in constant use during the school year. There were 6,563 children given the initial test. There were 14,462 retests and 2,327 hearing defects found. The children with hearing defects were referred to their family physicians.

## MIDWIFERY

During the year 1943, there were 231 licensed, registered midwives in New Jersey, a decrease of 4 since 1942. All but 22 of the midwives were supervised by the State Department of Health; they were supervised by a local health department.

The licensed registered midwives delivered only 1,439 or 1.7 per cent of the total number of births in New Jersey.

Year	Total Births	Births Delivered by Midwives	Percentage of Births Delivered by Midwives
1918 .....	70,935	30,000	42.2
1928 .....	68,297	11,352	16.6
1938 .....	56,042	2,117	4.0
1941 .....	67,104	1,233	1.8
1943 .....	82,356	1,439	1.7

The midwives under State supervision referred for health supervision by the doctor or clinic 391 of their prenatal cases. The midwives reported 30 abnormal cases. Physicians were called in each instance.

Congenital deformities were referred directly to the Crippled Children's Commission.

There were 24 meetings held by county associations with a total attendance of 178. Local physicians gave lectures and demonstrations were given by the district supervisors.

## MATERNITY HOMES

There were 21 licensed maternity homes, only one was a new home. There were 23 maternity homes in 1942.

The number of cases delivered in these maternity homes was 1,133. There were no maternal deaths, 10 infant deaths and 11 stillbirths. Monthly inspections were made of all maternity homes and all abnormal cases were investigated.

## ILLEGITIMATE BIRTHS

There were 1,657 births out of wedlock among New Jersey residents including thirteen sets of twins.

This was two per cent of the total births, the same as for 1942 and slightly less than previous years. The percentage of mothers under 21 was 53%, the same as for a number of years.

Efforts are made through the nurses and social agencies to keep mother and infant together.

## EMERGENCY MATERNITY AND INFANT CARE PROGRAM

This program was established through the United States Children's Bureau for the obstetrical care of wives and pediatric care of infants of men in the 4th, 5th, 6th and 7th grades of military service. Nearly half a million dollars was appropriated and administered by the Bureau of Maternal and Child Health. Authorized cases for maternity care increased from 600 a month to over 1,000 a month and continued at this peak load into 1944. Authorized care for sick infants averaged about 100 a month.

## Report of the Bureau of Vital Statistics

Statistics for the Calendar Year 1943

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*By* WALTER R. SCOTT, *State Registrar and Chief*

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A Bureau of Vital Statistics has existed in New Jersey since 1879 and a statistical report has been published each year. The statistics compiled by the Bureau during this long period have been largely responsible for activities which caused a decline in the total death rate from 18.4 per 1,000 population in 1879 to 12.2 in 1943, and in the rate from respiratory tuberculosis from 251.0 to 43.7 per 100,000 population.

The Bureau has the custody of more than ten million records of births, marriages, and deaths which date back to 1848. The records for the period 1848 to 1887 were collected by the Secretary of State and turned over to the State Board of Health in 1888. Prior to 1888 the annual report of the Bureau of Vital Statistics of the State Board of Health was prepared from records loaned the Board by the Secretary of State.

During the past year the Bureau supervised the registration of births, marriages and deaths throughout the State and supplied to local registrars and others the forms necessary to obtain registration.

Monthly and annual statistical tables were compiled and published, and in addition a large amount of special statistical data was compiled for the use of public and private institutions and agencies interested in disease and accident prevention. Electrical tabulation machinery, which was installed in 1915, was used in the preparation of the data. The statistical work done by the Bureau has been invaluable to other Bureaus of the Department, particularly the Bureau of Maternal and Child Health in the reduction of infant and maternal mortality.

Certified copies of the birth, marriage and death records were issued individuals and interested agencies, which part of the work has been particularly important during the present emergency. During the fiscal year 1943-4, 59,359 searches of the records were made and copies of certificates found issued, for which \$39,489.82 was received in fees. Nineteen thousand eight hundred and seventy of the searches and certified copies were for purposes exempt from charge by law.

During the year, the Bureau received, examined, classified, indexed and permanently filed approximately 200,000 birth, marriage and death certifi-

cates, part of which records were for unreported births which occurred during previous years. The annual growth of the records requires approximately 200 cubic feet of storage space.

More than 80,000 premarital certificate forms were received and examined, a duty placed upon the Bureau at the adoption of the law requiring an examination for syphilis prior to the issuance of a marriage license.

Nine hundred and forty-eight original birth records were sealed and new certificates containing the names obtained by adoption made, as prescribed by chapter 215, Laws of 1940.

Funds for the employment of a field representative urgently needed to better supervise registration throughout the State were granted in the Social Security account, and a local registrar, who was first on the Civil Service list of eligibles, was appointed on March 1. Since the assistant State registrar was inducted into the Army on February 12th and a suitable replacement could not be located, it was found necessary to keep the field representative in the office the majority of the time.

While the revenue of the Bureau decreased, an increase of slightly more than one hundred per cent occurred in the issuance of certificates as proof for dependency allotments and for claims against the government due to the death of men in the armed forces.

The Bureau is greatly handicapped by a lack of trained personnel and adequate working quarters. The electrical tabulating machinery is operated in a small room which also houses the voluminous files of the Bureau of Engineering and two file clerks. Exacting statistical work cannot be done efficiently where other persons are present and personnel other than operators should not be subjected to the noise of the electrically operated equipment.

## GENERAL SUMMARY

	1920	1930	1940	1943
Birth registered, tabulated and indexed . . . .	76,431	68,282	59,328	82,356
Stillbirths registered, tabulated and indexed	3,221	2,647	1,543	1,978
Marriages registered, tabulated and indexed	31,327	28,499	41,059	41,045
Deaths registered, tabulated and indexed ..	40,820	43,190	45,206	49,781
Total records registered, tabulated and permanently filed .....	151,799	142,618	147,136	175,160
Searches made and/or certified copies issued for which fees were received .....	4,664	10,523	38,431	63,295
Certified copies issued and searches made in pension and other cases for which no fees were received .....	4,232	6,938	11,300	14,019
Fees returned to State Treasurer for searches and certified copies .....	\$4,051	\$9,601	\$31,614.52	\$63,295.96

## CHARTS AND TABLES—1943

- Table 1. Births, marriages, deaths and rates, 1879-1943.
- Table 1a. Births, marriages and deaths by months.
- Table 1b. Births, marriages, deaths and deaths under one year of age by counties, cities, boroughs and townships.
- Table 2. Deaths by age groups, with the percentage of each group of total deaths: 1943.
- Chart 1. Births and deaths per 1,000 population, 1880-1939.
- Table 3. Deaths of infants under five years of age and percentage of total deaths, 1904-1943.
- Table 4. Number of births, stillbirths, deaths under one month, deaths under one year and maternal deaths with rates per 1,000 live births, 1906-1943.
- Table 5. Deaths under one month, stillbirths and maternal deaths per 1,000 live births, by counties and certain cities.
- Table 7. Births, birth rates, deaths under one year and infant mortality rates, by counties and cities.
- Chart 2. Deaths from typhoid fever per 100,000 population, 1880-1939.
- Table 8. Comparison between typhoid fever death rates in New Jersey and the United States Registration Area, 1934-1943.
- Table 10. Typhoid fever rates by counties, 1934-1943.
- Chart 3. Deaths from measles per 100,000 population, 1880-1939.
- Chart 4. Deaths from scarlet fever per 100,000 population, 1880-1939.
- Chart 5. Deaths from whooping cough per 100,000 population, 1880-1939.
- Chart 6. Deaths from diphtheria per 100,000 population, 1880-1939.
- Chart 7. Deaths from respiratory tuberculosis per 100,000 population, 1880-1939.
- Table 12. Cancer and other malignant tumors by sex, age periods and organs affected.
- Table 12a. Cancer and other malignant tumors by part of body affected and color of decedent.
- Chart 8. Deaths from cancer and other malignant tumors per 100,000 population, 1880-1939.
- Table 13a. Violent or accidental deaths.
- Table 13b. Motor vehicle fatalities.
- Table 13c. Accidental deaths by type of injury.
- Table 13d. Accidental deaths by counties.
- Table 13e. Accidental deaths by months.
- Table 13f. Accidental deaths by ages.
- Table 14. Percentage of the various causes of total deaths and of 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 (adjusted for residence) from each cause, Detailed International List, in the counties of New Jersey and selected municipalities of 5,000 or more inhabitants in 1930.

Table 22. Deaths by causes, sex, color and age periods in the counties and cities having 50,000 or more inhabitants in 1940. (County figures include cities which follow):

<i>Atlantic County</i>	<i>Essex County</i>	<i>Hunterdon County</i>	<i>Passaic County</i>
Atlantic City	East Orange	<i>Mercer County</i>	Passaic City
<i>Bergen County</i>	Irvington	Trenton	Paterson
<i>Burlington County</i>	Newark	<i>Middlesex County</i>	<i>Salem County</i>
<i>Camden County</i>	<i>Gloucester County</i>	<i>Monmouth County</i>	<i>Somerset County</i>
Camden City	<i>Hudson County</i>	<i>Morris County</i>	<i>Sussex County</i>
<i>Cape May County</i>	Bayonne	<i>Ocean County</i>	<i>Union County</i>
<i>Cumberland County</i>	Hoboken		Elizabeth
	Jersey City		Warren County
	Union City		

*Population.*—The extensive migration of war workers and their families during the post census years and the absence of persons serving with the armed forces made it impractical to use the normal method of figuring the estimated population as of July 1, 1943. The estimated population, 4,235,233, which was used, was taken from the Federal Census Release Series P-45, No. 2, based on registration for war ration book number four adjusted to reflect migratory trends and military service personnel stationed at camps throughout the State.

The estimates used for figuring county death rates were taken from Federal Census Release No. 3, Series P-44, which estimates are for the civilian population only. The estimates were based on registration for war ration book number four.

Estimates of the population for municipalities were not published. Therefore, in these instances, the final census figures as of April 1, 1940, were used in computing rates.

*Births.*—The number of births for 1943 was 82,356 which was equivalent to a rate of 19.4 per 1,000 population. Total births reported showed an increase of 1,544 over the number for 1942. The 1942 total, 80,812, was 13,708 greater than the number for the previous year. Births, which decreased rapidly from 74,193 in 1925 to 54,841 in 1934, have shown an increase from 1936 on.

The number of illegitimate births reported for 1943 was 1,649, of which 782 were babies born to colored mothers. The figures for 1942 were 1,632 and 805 respectively.

*Marriages.*—The number of marriages reported for 1943 was 41,045, a decrease of 9,453 from the number for the previous year. The marriage rate was 9.7 compared with 11.9 for 1942 and 11.1 for 1941.

*Deaths.*—The number of resident deaths for 1943 was 49,781. The death rate for the year was 11.8; the rate for 1942 was 10.9. The rate for the decade ranged from 10.5 in 1935 to 11.0 in 1937.

*Stillbirths.*—The number of stillbirths reported for 1943 was 1,978. The number for the previous year was 2,006. The 1943 rate was 24.0 per 1,000 live births. The rate for the colored population was 41.6.

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	Marriage rate per 1,000 population	Number of deaths	Death rate per 1,000 population
1879	1,110,489	23,116	26.8	7,096	6.3	20,440	18.4
1880	1,133,731	23,660	20.8	7,963	7.0	18,967	16.7
1881	1,153,812	23,464	20.3	8,109	6.9	20,512	17.8
1882	1,196,493	23,098	19.3	8,387	7.0	27,953	21.6
1883	1,227,874	24,480	19.8	9,166	7.4	23,310	18.9
1884	1,250,256	25,263	20.0	9,968	7.1	21,716	17.2
1885	1,290,686	24,077	18.6	8,989	6.9	23,807	18.4
1886	1,322,050	25,497	19.2	12,351	9.3	22,734	17.1
1887	1,353,402	27,490	20.2	13,416	11.3	24,531	17.9
1888	1,384,784	28,074	20.2	16,023	11.5	27,173	19.6
1889	1,416,166	29,099	20.5	15,726	11.1	26,543	18.7
1890	1,448,589	30,103	20.7	15,564	10.7	28,530	19.6
1891	1,482,462	28,852	19.3	15,805	10.2	28,540	19.3
1892	1,536,356	30,627	19.9	16,082	10.4	32,838	21.2
1893	1,580,209	32,255	20.4	17,178	10.8	30,596	19.3
1894	1,624,063	33,662	20.7	16,245	10.0	30,004	18.4
1895	1,667,957	31,742	19.0	15,878	9.5	30,434	18.3
1896	1,711,851	33,307	19.2	17,370	10.2	30,767	17.9
1897	1,755,705	31,595	17.9	18,171	10.3	29,222	16.9
1898	1,799,578	32,515	18.0	18,213	7.3	27,237	15.1
1899	1,843,452	29,419	15.9	13,336	7.2	30,999	16.8
1900	1,889,184	32,270	17.0	14,611	7.7	31,474	16.6
1901	1,935,361	34,312	17.8	16,359	8.5	31,739	16.2
1902	2,021,539	35,116	17.3	18,150	8.9	31,319	15.4
1903	2,087,716	37,242	17.8	19,512	9.3	31,820	15.2
1904	2,158,893	38,751	17.9	18,919	8.7	35,293	16.3
1905	2,220,070	39,689	17.8	20,672	9.2	33,364	15.2
1906	2,286,247	42,677	18.6	21,589	9.4	35,870	15.6
1907	2,352,424	44,651	18.9	23,649	10.0	37,408	15.9
1908	2,418,601	47,405	19.6	26,155	10.8	35,397	14.7
1909	2,484,778	47,508	19.1	29,724	11.9	36,559	14.6
1910	2,550,445	53,942	21.1	27,912	10.9	39,494	15.4
1911	2,614,177	58,014	22.2	28,912	10.9	38,472	14.4
1912	2,677,906	60,823	22.4	28,821	10.0	37,772	14.1
1913	2,741,642	61,432	22.3	27,097	10.1	39,425	14.3
1914	2,805,374	65,403	23.3	28,528	10.1	39,967	14.2
1915	2,869,106	66,476	23.1	27,691	9.6	39,435	13.7
1916	2,932,838	70,211	23.9	31,189	10.4	41,378	14.1
1917	2,996,569	75,309	25.1	30,060	10.0	43,532	14.5
1918	3,060,301	74,549	24.3	23,989	7.8	40,832	13.3
1919	3,134,034	76,935	24.5	29,281	9.3	39,979	12.7
1920	3,199,092	81,327	25.3	31,327	9.7	40,820	12.7
1921	3,285,473	78,172	23.7	37,815	8.4	37,862	11.3
1922	3,371,859	74,479	22.0	27,114	8.0	40,086	11.3
1923	3,458,243	74,611	21.5	28,730	8.3	41,294	11.9
1924	3,544,627	76,530	21.5	27,601	7.8	40,531	11.4
1925	3,631,011	74,193	20.4	27,673	7.6	41,749	11.4
1926	3,717,395	72,388	19.4	28,424	7.6	44,306	11.9
1927	3,803,779	72,789	19.1	28,316	7.4	41,562	10.9
1928	3,890,163	70,076	18.0	29,120	7.4	44,555	11.4
1929	3,976,546	68,297	17.1	30,237	7.6	45,746	11.5
1930	4,062,930	67,282	16.9	29,490	7.0	45,100	10.7
1931	4,056,206	64,078	15.8	28,468	6.5	44,135	10.9
1932	4,068,100	61,215	15.0	22,840	5.6	42,826	10.5
1933	4,080,000	56,072	13.7	24,453	6.0	43,350	10.6
1934	4,091,800	54,841	13.4	25,591	7.1	45,647	10.5
1935	4,103,700	55,059	13.4	26,734	7.2	45,237	10.5
1936	4,115,600	54,145	13.2	32,771	8.0	44,659	10.9
1937	4,127,500	55,197	13.4	36,190	8.8	45,312	11.0
1938	4,139,400	56,902	13.7	31,006	7.5	44,046	10.6
1939	4,151,300	54,538	13.7	31,335	7.6	45,337	10.4
1940	4,163,100	59,823	14.8	41,059	9.9	45,206	10.9
1941	4,199,900	67,104	16.0	46,538	11.1	46,971	10.9
1942	4,226,425	80,812	19.1	50,498	11.9	46,270	10.9
1943	4,235,233	82,356	19.4	41,045	9.7	49,751	11.8

TABLE 1A.—BIRTHS, MARRIAGES AND DEATHS, 1943 Births and deaths corrected for residence

Month	Births	Marriages	Deaths
January	7,735	3,271	4,716
February	7,086	3,095	4,271
March	7,419	2,864	4,118
April	6,840	3,007	4,459
May	6,823	3,774	4,143
June	6,826	4,694	3,984
July	7,193	3,672	3,519
August	7,091	3,260	3,447
September	6,811	3,666	3,382
October	6,643	3,566	3,978
November	5,831	3,390	3,680
December	6,058	2,786	5,784
Total	82,356	41,045	49,781

TABLE 1B.—BIRTHS, MARRIAGES, DEATHS AND DEATHS UNDER ONE YEAR OF AGE BY COUNTIES, CITIES, BOROUGHS AND TOWNSHIPS, 1943 (Births and deaths corrected as to residence).

NAME OF PLACE	ATLANTIC COUNTY			
	Births	Marriages	Deaths	Deaths under one year
Alsecon City	30	19	35	2
Atlantic City	900	1143	1009	34
Brigantine City	2	3	9	...
Buena Vista Township	73	34	41	3
Corbin City	3	...	8	...
Egg Harbor City	79	54	59	4
Estelle Manor City	1	2	37	...
Folsom Borough	3	5	2	...
Galloway Township	46	8	36	...
Hamilton Township	44	19	67	1
Hammonctown	171	62	71	4
Linwood City	27	16	29	3
Longport Borough	5	2	5	...
Margate City	44	15	37	...
Mullica Township	17	16	147	...
Northfield City	5	5	18	...
Pleasantville Borough	189	121	147	6
Port Republic City	3	1	4	...
Somers Point City	24	11	32	...
Ventnor City	76	89	99	4
Weymouth Township	9	2	9	1
Total	1824	1638	1798	66

## BERGEN COUNTY

NAME OF PLACE	Births	Marriages	Deaths	Deaths under one year
Allendale Borough	38	13	26	1
Alpine Borough	12	5	0	1
Bendle Borough	308	96	96	3
Berginfield Borough	111	68	93	3
Bogota Borough	112	26	68	3
Cliffside Park Borough	309	101	159	11
Closter Borough	26	35	29	1
Cresskill Borough	48	14	25	1
Demarest Borough	31	5	11	1
Dumont Borough	198	71	85	8
East Paterson Borough	253	38	51	7
East Rutherford Borough	155	77	62	3
Edgewater Borough	29	114	44	4
Emerson Borough	26	9	13	1
Englewood City	356	218	228	12
Englewood Cliffs Borough	12	11	11	1
Fair Lawn Borough	322	48	109	12
Fairview Borough	159	118	77	2
Fort Lee Borough	156	167	74	4
Franklin Lakes Borough	23	1	12	1
Garfield City	569	212	210	14
Glen Rock Borough	32	28	38	3
Hackensack City	510	304	326	27
Harrington Park Borough	24	2	12	1
Ha-brouck Heights Borough	129	85	75	1
Haworth Borough	26	3	17	1
Hillsdale Borough	39	3	35	1
Hobokus Borough	31	20	17	1
Hobokus Township	58	38	34	3
Leonia Borough	93	50	63	1
Little Ferry Borough	79	37	41	2
Lodi Borough	293	98	99	9
Lyndhurst Township	371	152	154	9
Maywood Borough	198	32	45	1
Midland Park Borough	98	30	46	2
Montvale Borough	19	3	8	1
Moonachie Borough	14	11	11	1
New Milford Borough	87	33	38	3
North Arlington Borough	269	67	79	8
Northvale Borough	30	12	10	1
Norwood Borough	32	21	16	1
Oakland Borough	21	5	15	1
Old Tappan Borough	7	1	9	1
Oradell Borough	44	18	43	1
Palisades Interstate Park Borough	...	...	...	...
Palisades Park Borough	173	58	70	5
Paramus Borough	11	11	37	1
Park Ridge Borough	47	45	35	1
Ramsey Borough	64	28	36	2
Ridgefield Borough	101	46	48	1
Ridgefield Park Borough	294	87	130	6
Ridgewood Village	245	133	154	7
River Edge Borough	121	30	45	3
Riverdale Township	21	3	12	1
Rochelle Park Township	94	21	29	5
Rockleigh Borough	41	1	1	1
Rutherford Borough	253	131	218	5
Saddle River Borough	15	5	11	1
Saddle River Township	29	23	22	1
South Hackensack Township	32	9	9	1
Tenack Township	493	129	235	9
Tenafly Borough	131	42	75	7
Upper Saddle River Borough	7	3	3	1
Walidwick Borough	40	13	23	4
Wallington Borough	182	55	84	1
Washington Township	4	5	5	1
Westwood Borough	82	70	58	3
Woodcliff Lake Borough	21	4	11	1
Wood Ridge Borough	93	29	55	3
Wyckoff Township	76	18	39	1
Total	8294	3481	4193	237

## BURLINGTON COUNTY

NAME OF PLACE	Births	Marriages	Deaths	Deaths under one year
Bass River Township	6	8	8	...
Beverly City	72	43	24	6
Bordentown City	149	71	71	2
Bordentown Township	32	5	17	2
Burlington City	245	129	154	17
Burlington Township	79	10	29	2
Chester Township	108	56	48	1
Chesterfield Township	26	5	19	1
Cinnaminson Township	25	17	22	...
Delanco Township	39	14	37	3
Delran Township	43	9	20	...
Eastampton Township	7	8	2	...
Edgewater Park Township	21	10	13	2
Eresham Township	36	11	22	4
Freshboro Borough	14	1	7	1
Florence Township	149	42	79	4
Fort Dix	15	188	68	7
Hainesport Township	29	4	18	2
Lumberton Township	22	3	11	...
Mansfield Township	41	8	21	2
Medford Lakes Borough	40	14	31	2
Moorestown Township	157	73	92	3
Mount Holly Township	148	72	131	6
Mount Laurel Township	36	...	25	3
New Hanover Township	18	11	5	...
North Hanover Township	10	14	19	1
Palmyra Borough	105	42	59	2
Pemberton Borough	22	26	14	...
Pemberton Township	65	24	22	1
Riverside Township	134	61	82	13
Riverton Borough	88	32	32	...
Shamong Township	9	1	8	1
Southampton Township	38	13	22	...
Springfield Township	19	10	18	...
Tabernacle Township	5	4	8	...
Washington Township	5	2	4	...
Westampton Township	23	3	5	...
Willingham Township	8	2	7	...
Woodland Township	7	...	6	...
Wrightstown Borough	26	15	2	2
Total	2016	1025	1800	86

## CAMDEN COUNTY

NAME OF PLACE	Births	Marriages	Deaths	Deaths under one year
Andron Borough	235	36	107	7
Parrington Borough	38	7	23	...
Bellmawr Borough	144	11	43	...
Berlin Borough	41	28	17	...
Berlin Township	31	7	22	2
Brooklawn Borough	45	2	16	2
Camden City	2419	1182	1512	108
Chesilhurst Borough	5	5	8	1
Clementon Borough	54	17	39	1
Collingswood Borough	243	158	100	5
Delaware Township	66	14	62	1
Gibbsboro Borough	12	5	7	...
Gloucester City	273	120	199	14
Gloucester Township	112	32	72	3
Haddonfield Borough	188	94	138	4
Haddon Heights Borough	122	77	69	1
Haddon Township	132	50	83	1
HiNella Borough	2	...	2	...
Laurel Springs Borough	38	11	27	1
Lawnside Borough	31	8	23	3
Lindenwald Borough	82	28	49	3
Magnolia Borough	31	19	29	2
Merchamville Borough	260	77	81	4
Mount Ephraim Borough	93	32	23	3
Oaklyn Borough	126	27	50	4
Pennsauken Township	249	93	172	15

## CAMDEN COUNTY—Continued

NAME OF PLACE	Births	Marriages	Deaths	Deaths under one year
Five Hill Borough	40	2	38	4
Pine Valley Borough	...	...	...	2
Runnemede Borough	61	37	23	9
Somersale Borough	26	...	6	13
Stratford Borough	2	...	...	...
Tavistock Borough	21	3	13	3
Voorhees Township	63	22	30	4
Waterford Township	85	21	56	29
Winslow Township	47	7	29	...
Woodlyne Borough	...	...	...	...
<b>Total</b>	<b>5405</b>	<b>2233</b>	<b>3226</b>	<b>208</b>

## CAPE MAY COUNTY

NAME OF PLACE	Births	Marriages	Deaths	Deaths under one year
Avalon Borough	6	8	5	5
Cape May City	87	63	58	1
Cape May Point Borough	5	1	5	1
Dennis Township	30	8	28	1
Lower Township	25	11	18	1
Middle Township	56	21	67	2
North Cape May Borough	...	...	...	...
North Wildwood City	28	13	33	1
Ocean City	49	45	61	4
Sea Isle City	15	17	16	1
South Cape May Borough	...	...	...	...
Stone Harbor Borough	4	6	2	...
Upper Township	22	15	21	...
West Cape May Borough	22	1	12	...
West Wildwood City	1	1	1	...
Wildwood City	70	123	84	2
Wildwood Crest Borough	3	1	12	1
Woodbine Borough	32	11	9	...
<b>Total</b>	<b>453</b>	<b>351</b>	<b>433</b>	<b>18</b>

## CUMBERLAND COUNTY

NAME OF PLACE	Births	Marriages	Deaths	Deaths under one year
Bridgeton City	396	149	261	17
Commercial Township	51	26	42	2
Deerfield Township	54	7	19	3
Downe Township	20	6	23	...
Fairfield Township	52	15	24	6
Greenwich Township	24	11	11	...
Hopewell Township	43	7	22	7
Lands Township	239	90	147	11
Lawrence Township	39	8	27	1
Maurice River Township	40	8	31	4
Millville City	279	115	224	14
Shiloh Borough	9	4	9	1
Stow Creek Township	13	1	11	1
Upper Deerfield Township	50	18	29	2
Vineland Borough	154	68	90	4
<b>Total</b>	<b>1513</b>	<b>533</b>	<b>961</b>	<b>67</b>

## ESSEX COUNTY

NAME OF PLACE	Births	Marriages	Deaths	Deaths under one year
Belleville Town	626	233	236	24
Bloomfield Town	885	327	447	26
Caldwell Borough	120	61	84	2
Caldwell Township	23	5	14	2
Cedar Grove Township	64	9	28	...
East Orange City	13:08	535	941	28
Essex Falls Borough	20	19	11	...
Glen Ridge Borough	79	33	84	3
Irrington Town	1083	519	571	24
Livingston Township	57	33	38	6
Maplewood Township	322	170	237	8
Millburn Township	179	89	97	1
Montclair Town	113	406	524	24
Newark City	8615	5440	5599	278
North Caldwell Borough	1	1	9	...
Nutley Town	482	212	245	7
Orange City	773	487	445	32
Roseland Borough	42	10	12	...
South Orange Village	177	143	131	4
Verona Borough	216	79	78	6
West Caldwell Borough	76	4	29	1
West Orange Town	490	128	279	9
<b>Total</b>	<b>16468</b>	<b>8943</b>	<b>10174</b>	<b>485</b>

## GLOUCESTER COUNTY

NAME OF PLACE	Births	Marriages	Deaths	Deaths under one year
Clayton Borough	48	22	32	3
Deptford Township	83	25	47	4
East Greenwich Township	31	7	26	4
Elk Township	32	9	16	2
Franklin Township	83	25	43	...
Glassboro Borough	94	58	65	5
Greenwich Township	44	19	19	1
Harrison Township	37	14	38	3
Logan Township	36	4	10	...
Mantua Township	85	14	45	6
Monroe Township	85	28	52	5
National Park Borough	57	20	27	2
Newfield Borough	14	13	15	2
Paulsboro Borough	158	51	63	2
Pitman Borough	115	44	94	5
South Harrison Township	13	7	7	1
Swedesboro Borough	64	25	39	...
Washington Township	31	14	24	2
Wenonah Borough	23	6	16	1
West Deptford Township	73	37	40	3
Westville Borough	112	36	56	5
Woodbury City	200	81	111	11
Woodbury Heights Borough	26	2	12	...
Woolwich Township	17	2	6	...
<b>Total</b>	<b>1562</b>	<b>577</b>	<b>905</b>	<b>67</b>

## HUDSON COUNTY

NAME OF PLACE	Births	Marriages	Deaths	Deaths under one year
Bayonne City	1479	746	765	43
East Newark Borough	44	17	35	3
Guttenberg Town	86	99	77	1
Harrison Town	265	169	145	3
Hoboken City	888	1080	681	31
Jersey City	5889	3163	3747	207
Kearny Town	714	272	467	32
North Bergen Township	722	232	439	21
Secaucus Borough	116	85	85	5
Union City	957	623	759	31
Weehawken Township	204	183	190	5
West New York Town	738	326	339	19
<b>Total</b>	<b>12162</b>	<b>7156</b>	<b>7740</b>	<b>366</b>



## HUNTERDON COUNTY

NAME OF PLACE	Births	Marriages	Deaths	Deaths under one year
Alexandria Township	21	6	10	...
Bethlehem Township	6	7	7	...
Bloomsbury Borough	16	4	14	...
Califon Borough	12	4	10	...
Clinton Town	15	8	27	1
Clinton Township	24	8	37	1
Delaware Township	16	13	25	...
East Amwell Township	22	8	23	1
Flemington Borough	70	31	54	2
Franklin Township	17	5	21	...
Frenchtown Borough	14	8	14	...
Glen Gardner Borough	13	2	12	1
Hampton Borough	18	5	24	...
High Bridge Borough	29	24	15	...
Holland Township	14	3	11	1
Kingwood Township	14	13	13	1
Lambertville City	79	54	72	5
Lebanon Borough	15	8	16	...
Lebanon Township	19	1	10	...
Milford Borough	23	1	39	...
Raritan Township	31	2	39	3
Readington Township	49	21	35	1
Stockton Borough	13	2	5	...
Lebanon Township	19	6	15	1
Union Township	12	2	14	1
West Amwell Township	14	3	11	2
Total	607	229	524	21

## MERCER COUNTY

NAME OF PLACE	Births	Marriages	Deaths	Deaths under one year
East Windsor Township	13	1	15	3
Ewing Township	202	34	100	6
Hamilton Township	692	237	331	37
Hightstown Borough	71	38	49	7
Hopewell Borough	40	15	23	...
Hopewell Township	76	12	42	...
Lawrence Township	140	29	57	5
Pennington Borough	20	13	17	...
Princeton Borough	142	123	85	...
Princeton Township	94	6	29	4
Trenton City	2171	1600	1542	129
Washington Township	26	3	14	1
West Windsor Township	39	17	19	...
Total	3726	2137	2323	201

## MIDDLESEX COUNTY

NAME OF PLACE	Births	Marriages	Deaths	Deaths under one year
Camp Kilmer	...	239	9	...
Carters	222	114	108	7
Cranbury Township	50	14	21	...
Dunellen Borough	133	87	69	2
East Brunswick Township	48	20	27	1
Elizabeth Borough	7	9	7	...
Highland Park Borough	131	82	94	4
Jamesburg Borough	53	32	32	2
Madison Township	103	22	44	2
Metuchen Borough	131	72	75	0
Middlesex Borough	52	13	33	2
Milltown Borough	73	30	45	...
Monroe Township	33	5	21	...
New Brunswick City	749	504	423	28
North Brunswick Township	108	29	49	6
Perth Amboy City	511	420	451	31

## MIDDLESEX COUNTY—Continued

NAME OF PLACE	Births	Marriages	Deaths	Deaths under one year
Piscataway Township	128	16	64	4
Plainboro Township	15	9	7	1
Raritan Township	173	46	116	4
Sayreville Borough	41	186	41	2
South Amboy City	173	78	114	7
South Brunswick Township	60	10	26	4
South Plainfield Borough	133	40	40	4
South River Borough	214	119	108	6
Spotswood Borough	37	3	18	2
Woodbridge Township	727	186	276	19
Total	4566	2209	2348	147

## MONMOUTH COUNTY

NAME OF PLACE	Births	Marriages	Deaths	Deaths under one year
Allenhurst Borough	16	5	9	...
Allentown Borough	23	29	20	1
Asbury Park City	294	366	279	9
Atlantic Township	15	4	16	...
Atlantic Highlands Borough	43	36	43	...
Avon Borough	28	22	17	1
Belmar Borough	94	44	82	7
Bradley Beach Borough	65	46	62	5
Brielle Borough	14	8	11	...
Deal Borough	14	11	20	...
Eatontown Borough	78	38	22	1
Englishtown Borough	27	5	18	3
Fair Haven Borough	47	5	27	...
Farmingdale Borough	9	3	11	...
Fort Hancock	6	44	5	...
Fort Monmouth	23	418	15	...
Freehold Borough	113	82	90	4
Freehold Township	107	1	36	3
Highlands Borough	68	30	22	1
Holmdel Township	12	5	14	...
Howell Township	59	21	43	2
Interlaken Borough	12	3	6	...
Jersey Homesteads Borough	11	1	1	...
Kew-Forest Borough	89	40	33	4
Keyport Borough	118	90	70	4
Little Silver Borough	40	11	20	2
Long Branch City	411	203	239	15
Manalapan Township	55	16	31	1
Manasquan Borough	43	62	63	4
Marlboro Township	28	8	27	1
Matawan Borough	111	32	43	1
Matawan Township	1	23	9	...
Middletown Township	177	47	103	12
Millstone Township	24	2	9	1
Monmouth Beach Borough	16	1	3	...
Neptune Township	240	62	202	7
Neptune City Borough	50	33	19	...
Ocean Township	96	18	65	3
Oceanport Borough	45	42	19	...
Raritan Township	21	27	27	2
Red Bank Borough	279	296	176	7
Rumson Borough	56	32	48	1
Sea Bright Borough	22	7	24	3
Sea Girt Borough	22	15	7	...
Shrewsbury Borough	25	15	7	1
Shrewsbury Township	45	10	10	1
South Belmar Borough	16	7	12	1
Spring Lake Borough	32	10	26	2
Spring Lake Heights Borough	16	7	21	...
Union Beach Borough	45	5	33	2
Upper Freehold Township	31	7	25	3
Wall Township	94	23	46	2
West Long Branch Borough	46	10	22	1
Total	3522	2327	2408	119

## MORRIS COUNTY - 1943

NAME OF PLACE	Births	Marriages	Deaths	Deaths under one year
Boonton Town	152	65	91	6
Boonton Township	15	1	6	1
Butler Borough	86	37	37	2
Chatham Borough	116	29	57	2
Chatham Township	27	3	17	...
Chester Borough	11	5	14	...
Chester Township	1	8	6	...
Denville Township	90	29	43	1
Dover Town	230	134	154	9
East Hanover Township	14	9	14	...
Florham Park Borough	21	2	21	...
Hanover Township	66	19	33	1
Harding Township	29	6	13	1
Jefferson Township	28	7	18	2
Kinnelon Borough	11	...	2	...
Lincoln Park Borough	...	12	22	2
Madison Borough	187	62	89	2
Mendham Borough	24	15	14	...
Mendham Township	19	...	16	...
Mine Hill Township	25	4	7	...
Montville Township	88	14	47	2
Morris Plains Borough	48	38	25	1
Morristown Town	312	146	205	9
Morris Township	102	72	72	7
Mountain Lakes Borough	29	19	29	...
Mount Arlington Borough	15	1	10	...
Mount Olive Township	45	11	32	1
Nelsong Borough	56	33	27	3
Parsonage-Troy Hills Township	103	52	52	2
Pasaic Township	16	16	56	...
Peterson Township	72	16	32	1
Randolph Township	95	14	25	3
Rivendale Borough	26	5	14	2
Rockaway Borough	80	32	40	2
Rockaway Township	75	14	35	...
Roxbury Township	106	22	30	2
Washington Township	31	16	30	...
Wharton Borough	75	36	53	3
Total	2931	926	1465	70

## OCEAN COUNTY - 1943

NAME OF PLACE	Births	Marriages	Deaths	Deaths under one year
Barnegat City Borough	2	...	1	...
Bas Head Borough	10	7	12	...
Beach Haven Borough	16	6	11	...
Beachwood Borough	21	3	16	...
Berkeley Township	9	6	8	1
Brick Township	35	14	31	1
Dover Township	31	69	80	2
Eagleswood Township	7	1	17	1
Harvey Cedars Borough	1	...	2	...
Island Heights Borough	5	3	4	...
Jackson Township	...	...	...	...
Lacey Township	33	2	27	1
Lakehurst Borough	6	50	12	...
Lakewood Township	47	8	24	2
Lakewood Township	173	77	152	0
Lavallette Borough	1	2	4	...
Little Egg Harbor Township	3	...	4	...
Long Beach Township	3	...	9	...
Manchester Township	20	1	10	3
Mantoloking Borough	...	...	...	...
Ocean Township	9	1	7	...
Ocean Gate Borough	3	3	5	...
Pine Beach Borough	1	...	3	...
Plumsted Township	38	1	32	3
Point Pleasant Borough	70	7	33	2
Point Pleasant Beach Borough	16	43	32	...

## OCEAN COUNTY—Continued - 1943

NAME OF PLACE	Births	Marriages	Deaths	Deaths under one year
Seaside Heights Borough	12	9	11	...
Seaside Park Borough	9	1	9	...
Ship Bottom-Beach Arlington Borough	1	3	5	...
South Toms River Borough	4	1	10	1
Stafford Township	22	4	22	...
Surf City Borough	1	...	1	...
Tuckerton Borough	18	9	19	...
Union Township	18	7	17	3
Total	712	377	630	30

## PASSAIC COUNTY

NAME OF PLACE	Births	Marriages	Deaths	Deaths under one year
Bloomington Borough	79	13	33	8
Clifton City	1053	216	464	22
Haledon Borough	192	27	95	3
Hawthorne Borough	222	77	133	7
Little Falls Township	110	48	52	3
North Haledon Borough	68	16	29	4
Passaic City	1069	728	623	25
Paterson City	2321	1481	1829	98
Pompton Lakes Borough	86	50	29	3
Prospect Park Borough	111	52	55	3
Ringwood Borough	97	13	18	5
Totowa Borough	22	22	3	2
Wanaque Borough	74	28	40	4
Wayne Township	189	40	70	7
West Milford Township	41	15	33	3
West Paterson Borough	57	17	24	1
Total	5682	2907	3551	212

## SALEM COUNTY

NAME OF PLACE	Births	Marriages	Deaths	Deaths under one year
Alloway Township	37	10	23	2
Elmer Borough	27	17	21	...
Elsinboro Township	17	...	8	...
Lower Alloways Creek Township	25	6	14	1
Lower Penns Neck Township	131	14	38	2
Mannington Township	53	...	17	1
Oldmans Township	36	...	12	...
Penns Grove Borough	200	67	93	8
Pilesgrove Township	24	3	18	...
Pittsgrove Township	48	6	29	5
Quinton Township	32	...	6	...
Salem City	229	70	14	1
Upper Penns Neck Township	81	9	137	19
Upper Pittsgrove Township	45	8	80	3
Woodstown Borough	42	23	30	1
Total	1007	245	507	47

## SOMERSET COUNTY

NAME OF PLACE	Births	Marriages	Deaths	Deaths under one year
Bedminster Township	14	7	18	3
Bernards Township	61	15	34	1
Bernardsville Borough	63	31	29	1
Bound Brook Borough	217	105	99	4
Branchburg Township	23	17	20	1
Bridgewater Township	132	15	62	7
Far Hills Borough	15	8	15	1
Franklin Township	140	23	60	2
Green Brook Township	11	1	11	1
Hillsborough Township	52	15	30	1
Manville Borough	145	57	40	1
Millstone Borough	8	1	2	1
Montgomery Township	39	12	19	2
North Plainfield Borough	206	70	128	2
Peapack-Gladstone Borough	22	9	14	1
Raritan Borough	191	35	40	2
Rocky Hill Borough	16	2	8	1
Somerville Borough	209	96	109	8
South Bound Brook Borough	54	15	21	1
Warren Township	51	8	22	1
Watchung Borough	23	14	19	1
Total	1392	551	788	37

## SUSSEX COUNTY

NAME OF PLACE	Births	Marriages	Deaths	Deaths under one year
Andover Borough	13	3	7	1
Andover Township	23	3	8	2
Branchville Borough	13	14	10	1
Hyram Township	5	1	6	1
Frankford Township	25	2	20	1
Franklin Borough	87	30	33	3
Fredon Township	6	2	5	1
Green Township	13	7	9	1
Hamburg Borough	22	19	15	1
Hampton Township	11	1	4	1
Hardyston Township	36	2	13	2
Hopatcong Borough	14	4	8	1
Lafayette Township	17	4	15	1
Montague Township	8	3	8	1
Newton Town	57	8	75	2
Ogdensburg Borough	24	5	14	1
Sandyston Township	7	8	8	1
Sparta Township	30	11	29	1
Stanhope Borough	22	19	16	1
Stillwater Township	8	7	14	1
Sussex Borough	41	20	38	3
Vernon Township	19	7	15	1
Walpack Township	5	1	3	1
Wantage Township	40	6	22	1
Total	603	227	393	20

## UNION COUNTY

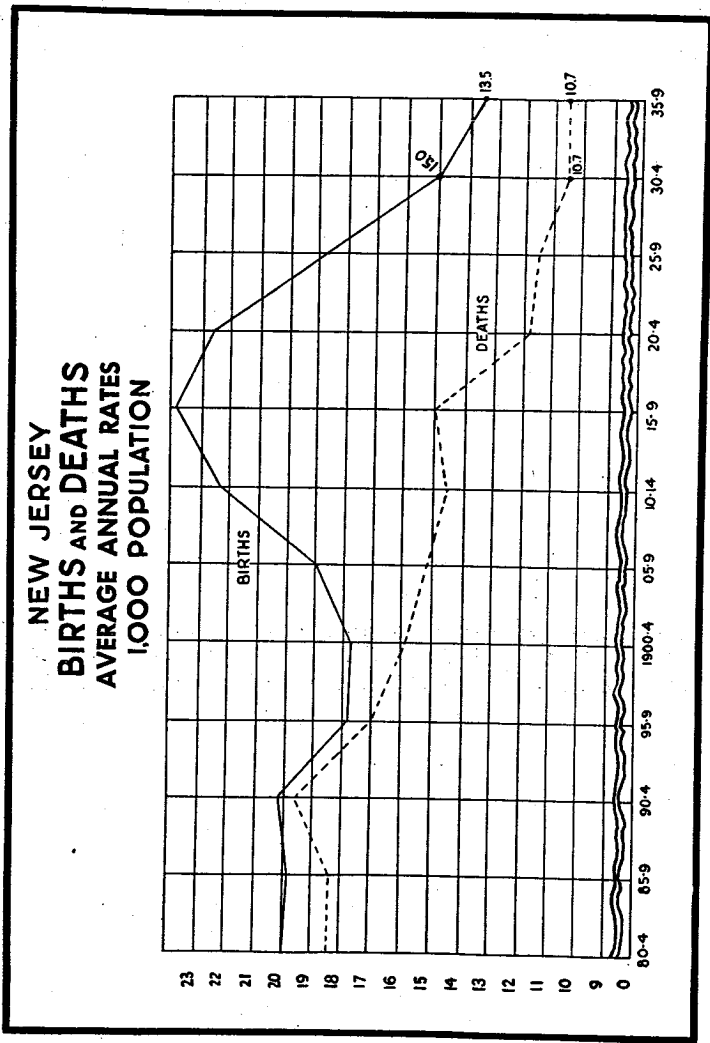
NAME OF PLACE	Births	Marriages	Deaths	Deaths under one year
Clark Township	69	8	26	2
Cranford Township	299	124	147	9
Elizabeth City	2155	1049	1218	77
Fanwood Borough	56	12	13	1
Garwood Borough	114	25	28	2
Hillside Township	317	112	138	10
Kenilworth Borough	77	15	18	1
Linden City	604	151	118	18
Mountainside Borough	33	11	8	1
New Providence Borough	46	20	39	1
New Providence Township	38	6	18	1
Plainfield City	791	323	468	35
Rahway City	379	160	220	12
Roselle Borough	318	145	141	9
Roselle Park Borough	160	42	98	1
Scotch Plains Township	155	32	53	7
Springfield Township	83	42	35	1
Summit City	322	129	158	13
Union Township	566	239	231	14
Westfield Town	362	158	194	9
Winfield Township	46	1	3	1
Total	7020	2704	3469	222

## WARREN COUNTY

NAME OF PLACE	Births	Marriages	Deaths	Deaths under one year
Allamuchy Township	13	17	4	1
Alpha Borough	51	17	24	4
Belvidere Town	50	22	35	1
Blairtown Township	25	14	23	1
Franklin Township	34	8	16	1
Frelinghuysen Township	9	6	8	1
Greenwich Township	25	20	12	1
Hackettstown Town	78	30	54	1
Hardwick Township	4	2	2	1
Harmony Township	28	8	17	1
Hope Township	8	2	9	1
Independence Township	20	11	16	1
Knowlton Township	14	4	18	1
Liberty Township	4	1	6	1
Liberty Township	15	4	11	1
Lopatcong Township	2	1	17	1
Mansfield Township	20	7	11	1
Oxford Township	30	16	30	1
Pahaquarry Township	...	...	...	...
Phillipsburg Town	398	146	245	15
Pohatcong Township	36	6	7	1
Washington Borough	78	47	71	2
Washington Township	20	3	23	1
White Township	22	3	9	1
Total	979	369	652	28
State Total	82356	41045	49781	2722

TABLE 2.—DEATHS BY AGE PERIODS AND PERCENTAGES OF EACH OF TOTAL DEATHS, 1948

	AGE PERIODS													90 and over	Unknown		
	Total	Under 1 year	1 year	2 years	3 years	1 year	3 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
Deaths .....	49,781	2,782	109	108	84	85	3,208	298	007	1,804	2,172	4,443	8,323	11,047	11,300	6,010	010
Percentage of total..	100.0	5.6	0.4	0.2	0.2	0.2	6.5	0.6	1.4	2.0	4.4	8.9	16.7	22.2	22.8	12.1	0.2



*Infant Mortality.*—The infant mortality rate for 1943 was 33.8 per 1,000 babies born alive. The rate for 1942 was 31.4 and the average annual rate for the five-year period 1938-1942 was 36.0. 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 62.5. The colored races have shown high mortality rates ever since vital records were first collected and analyzed.

*Maternal Mortality.*—The rate of 1.8 for 1943 was 5.3% lower than the rate for 1942 and was the lowest since such rates were first computed in 1906. The average annual rate for the five-year period 1938-1942 was 2.7 per 1,000 live births. The colored maternal mortality rate for 1943 was 3.9.

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
1935	43,267	2,539	5.9	3,291	7.6
1936	44,659	2,383	5.3	3,039	6.8
1937	45,312	2,170	4.8	2,870	6.3
1938	44,045	2,228	5.1	2,810	6.4
1939	43,837	2,180	5.0	2,677	6.1
1940	45,206	2,094	4.6	2,506	5.6
1941	45,971	2,392	5.2	2,809	6.1
1942	46,270	2,535	5.5	2,958	6.4
1943	49,781	2,782	5.6	3,258	6.5

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

Year	Births Reported	Deaths 1 Year of Age	Rates per 1,000 Births	Deaths Under 1 Month of Age	Rates per 1,000 Live Births	Stillbirths	Rates per 1,000 Live Births	Maternal Deaths	Rates per 1,000 Live Births
1908	43,671	7,775	182.1	2,545	59	2,899	66	322	7.5
1907	44,951	7,823	174.2	2,522	56	2,630	59	289	6.5
1906	47,405	7,658	161.2	2,652	56	2,659	56	329	6.9
1905	47,508	8,832	185.8	2,801	59	2,757	58	377	7.9
1904	53,942	7,952	131.4	2,887	49	2,754	47	447	7.3
1903	60,078	7,542	125.7	2,838	47	2,663	45	415	6.9
1902	61,483	7,542	122.7	2,805	45	2,599	49	400	7.4
1901	65,408	7,481	115.6	2,802	43	2,504	46	316	4.8
1900	66,476	7,077	106.4	2,802	42	2,410	36	305	4.6
1899	70,501	7,585	104.7	3,275	46	2,805	40	388	5.4
1917	73,501	8,872	121.3	3,275	44	3,221	43	315	4.3
1918	74,549	8,872	119.3	3,275	43	3,183	42	411	5.5
1919	70,935	6,111	86.1	2,696	38	3,027	42	417	5.9
1920	70,431	6,072	87.2	2,696	38	3,027	42	472	6.7
1921	76,431	6,072	79.9	2,696	38	3,027	42	472	6.1
1922	74,476	5,863	78.9	2,696	38	3,027	42	472	6.1
1923	74,611	5,863	79.0	2,696	38	3,027	42	472	6.1
1924	76,580	5,863	76.6	2,696	38	3,027	42	472	6.1
1925	76,580	5,863	76.6	2,696	38	3,027	42	472	6.1
1926	76,580	5,863	76.6	2,696	38	3,027	42	472	6.1
1927	76,580	5,863	76.6	2,696	38	3,027	42	472	6.1
1928	76,580	5,863	76.6	2,696	38	3,027	42	472	6.1
1929	68,287	4,116	60.2	2,696	38	3,027	42	472	6.1
1930	68,287	3,870	56.6	2,696	38	3,027	42	472	6.1
1931	68,287	3,870	56.6	2,696	38	3,027	42	472	6.1
1932	68,287	3,870	56.6	2,696	38	3,027	42	472	6.1
1933	68,287	3,870	56.6	2,696	38	3,027	42	472	6.1
1934	68,287	3,870	56.6	2,696	38	3,027	42	472	6.1
1935	68,287	3,870	56.6	2,696	38	3,027	42	472	6.1
1936	68,287	3,870	56.6	2,696	38	3,027	42	472	6.1
1937	68,287	3,870	56.6	2,696	38	3,027	42	472	6.1
1938	68,287	3,870	56.6	2,696	38	3,027	42	472	6.1
1939	68,287	3,870	56.6	2,696	38	3,027	42	472	6.1
1940	68,287	3,870	56.6	2,696	38	3,027	42	472	6.1
1941	68,287	3,870	56.6	2,696	38	3,027	42	472	6.1
1942	68,287	3,870	56.6	2,696	38	3,027	42	472	6.1
1943	68,287	3,870	56.6	2,696	38	3,027	42	472	6.1
1944	68,287	3,870	56.6	2,696	38	3,027	42	472	6.1
1945	68,287	3,870	56.6	2,696	38	3,027	42	472	6.1

TABLE 5.—DEATHS UNDER ONE MONTH, STILLBIRTHS AND MATERNAL MORTALITY PER THOUSAND LIVE BIRTHS—1943

	Rate per 1,000 Live Births		
	Deaths Under One Month	Stillbirths	Maternal Deaths
New Jersey .....	23	24	1.8
Atlantic County .....	25	25	2.7
Atlantic City .....	28	23	1.1
Bergen County .....	20	20	1.3
Burlington County .....	27	25	0.5
Camden County .....	21	24	2.8
Camden City .....	25	31	4.1
Cape May County .....	22	22	2.2
Cumberland County .....	25	19	2.6
Essex County .....	21	24	1.7
East Orange .....	15	15	1.5
Irvington .....	21	17	0.9
Newark .....	21	29	1.7
Gloucester County .....	26	26	3.8
Hudson County .....	24	23	1.8
Bayonne .....	20	18	1.4
Hoboken .....	32	20	3.4
Jersey City .....	25	23	1.4
Union City .....	25	27	2.1
Hunterdon County .....	13	25	..
Mercer County .....	38	29	2.4
Trenton .....	40	35	3.2
Middlesex .....	24	25	1.3
Monmouth County .....	23	28	1.1
Morris County .....	19	18	1.1
Ocean County .....	32	37	2.8
Passaic County .....	25	28	1.6
Passaic City .....	19	26	1.9
Paterson .....	28	35	1.7
Salem County .....	26	32	2.0
Somerset County .....	14	26	0.6
Sussex County .....	18	15	1.7
Union County .....	23	25	2.6
Elizabeth .....	25	27	3.7
Warren County .....	14	13	3.1

TABLE 7.—BIRTHS, DEATHS UNDER ONE YEAR AND INFANT MORTALITY RATES  
(EXCLUSIVE OF STILLBIRTHS)—1943

	<i>Births (Exclusive of Stillbirths)</i>	<i>Deaths Under One Year</i>	<i>Infant Mortality Rates</i>
New Jersey .....	82,356	2,782	34
Atlantic County .....	1,824	66	36
Atlantic City .....	900	34	38
Hammonton .....	171	4	23
Pleasantville .....	189	6	32
Bergen County .....	8,294	237	29
Bergenfield .....	208	3	14
Cliffside Park .....	309	11	36
Englewood .....	356	12	34
Fairview .....	169	2	12
Fort Lee .....	155	4	26
Garfield .....	569	14	25
Hackensack .....	510	27	53
Lodi .....	291	11	38
Lyndhurst Township .....	371	9	24
North Arlington .....	269	8	30
Ridgefield Park .....	204	6	29
Ridgewood .....	235	7	30
Rutherford .....	253	5	20
Teaneck Township .....	463	9	19
Wallington .....	182	..	..
Burlington County .....	2,016	86	43
Burlington .....	245	17	69
Camden County .....	5,405	203	38
Audubon .....	235	7	30
Camden .....	2,419	108	45
Collingswood .....	243	5	21
Gloucester City .....	273	14	51
Haddonfield .....	168	4	24
Pennsauken Township .....	249	15	60
Cape May County .....	455	18	40
Cumberland County .....	1,513	67	44
Bridgeton .....	396	17	43
Millville .....	297	14	47
Vineland .....	154	4	25
Essex County .....	16,468	485	29
Belleville .....	626	24	38
Bloomfield .....	885	26	29
East Orange .....	1,308	28	21

	<i>Births (Exclusive of Stillbirths)</i>	<i>Deaths Under One Year</i>	<i>Infant Mortality Rates</i>
Irvington .....	1,053	24	23
Maplewood Township .....	322	8	25
Millburn Township .....	179	1	6
Montclair .....	713	24	34
Newark .....	8,615	278	32
Nutley .....	482	7	15
Orange .....	773	32	41
South Orange .....	177	4	23
West Orange .....	490	9	18
Gloucester County .....	1,562	67	43
Woodbury .....	200	11	55
Hudson County .....	12,162	399	33
Bayonne .....	1,479	43	29
Guttenberg .....	86	1	12
Harrison .....	265	3	11
Hoboken .....	888	31	35
Jersey City .....	5,889	207	35
Kearny .....	774	32	41
North Bergen Township .....	722	21	29
Secaucus .....	116	3	26
Union City .....	957	31	32
Weehawken Township .....	204	5	25
West New York .....	738	19	26
Hunterdon County .....	607	21	35
Mercer County .....	3,726	201	54
Princeton .....	142	4	28
Trenton .....	2,171	129	59
Middlesex County .....	4,566	147	32
Carteret .....	222	7	32
Highland Park .....	151	4	26
New Brunswick .....	749	28	37
Perth Amboy .....	811	31	38
Sayreville .....	156	2	13
South Amboy .....	173	7	40
South River .....	214	6	28
Woodbridge Township .....	727	19	26
Monmouth County .....	3,522	119	34
Asbury Park .....	294	9	31
Long Branch .....	411	15	36
Neptune Township .....	240	7	29
Red Bank .....	279	7	25

	<i>Births (Exclusive of Stillbirths)</i>	<i>Deaths Under One Year</i>	<i>Infant Mortality Rates</i>
Morris County .....	2,631	70	27
Dover .....	239	9	38
Madison .....	187	2	11
Morristown .....	312	9	29
Ocean County .....	712	30	42
Passaic County .....	5,692	212	37
Clifton .....	1,053	22	21
Hawthorne .....	222	7	32
Passaic .....	1,060	35	33
Paterson .....	2,321	98	42
Salem County .....	1,007	47	47
Salem City .....	229	19	83
Somerset County .....	1,592	37	23
Bound Brook .....	217	4	18
North Plainfield .....	206	2	10
Somerville .....	200	8	40
Sussex County .....	603	20	33
Union County .....	7,020	222	32
Cranford Township .....	299	9	30
Elizabeth .....	2,185	77	35
Hillside Township .....	317	10	32
Linden .....	604	18	30
Plainfield .....	791	35	44
Rahway .....	379	12	32
Roselle .....	318	9	28
Roselle Park .....	160	1	6
Summit .....	322	13	40
Union Township .....	566	14	25
Westfield .....	362	9	25
Warren County .....	979	28	29
Phillipsburg .....	399	15	38

NOTE: Birth rates formerly supplied in this table were not computed due to inability to arrive at reasonably accurate estimates of population. The fathers of many of the babies were men in the armed forces who were not included in Federal estimates of population. The war was also responsible for an unusual movement of civilian population into and throughout the State.

*Typhoid Fever.*—The number of deaths was 5 and the death rate only 0.1 per 100,000 population. Both the number of deaths and the rate were the same as for 1942. The New Jersey rate was very low compared with the United States rate of 0.5. The number of deaths from typhoid fever and other diseases of the International List of Causes of Death by counties and cities, may be obtained by referring to Table 20. Table 22 shows the more important causes by sex, color and age groups.

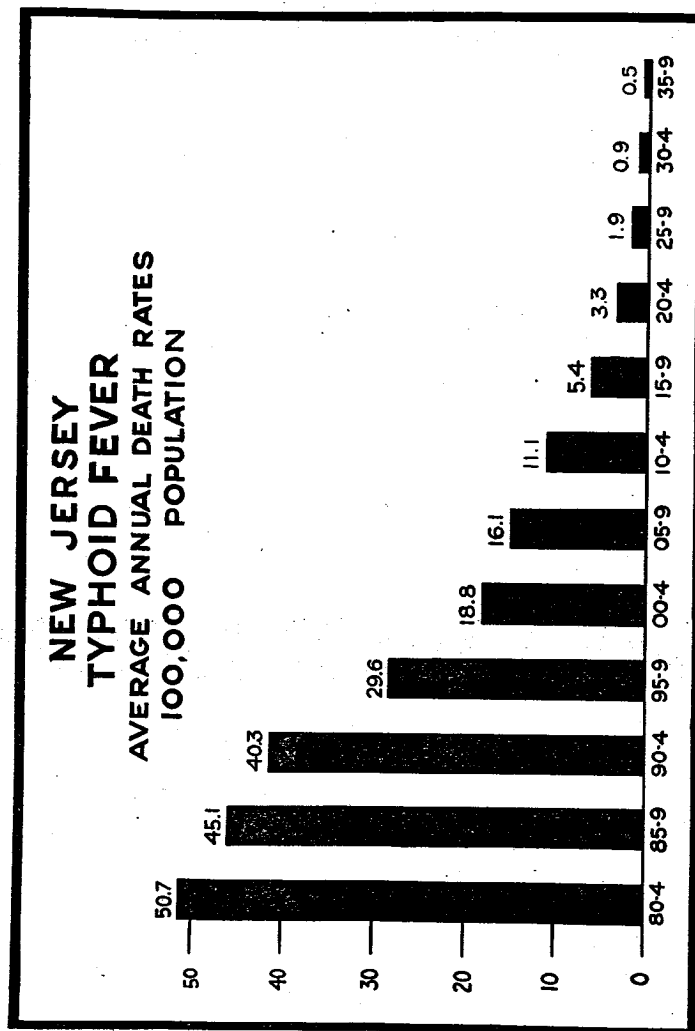




TABLE 8—COMPARATIVE DEATH RATES FROM TYPHOID FEVER PER 100,000 POPULATION, IN THE REGISTRATION AREA OF U. S. AND IN N. J. FOR 10 YEARS

	1934	1935	1936	1937	1938	1939	1940	1941	1942	1943
Registration area of the United States .....	3.3	2.7	2.4	2.1	1.8	1.5	1.0	0.8	0.5	0.3
New Jersey .....	0.7	0.5	0.6	0.3	0.4	0.4	0.3	0.2	0.1	0.1

TABLE 10—DEATHS FROM TYPHOID FEVER, PER 100,000 POPULATION, BY COUNTIES, FOR 10 YEARS

	1934	1935	1936	1937	1938	1939	1940	1941	1942	1943
Atlantic .....	1.5	5.8	4.3	1.4	1.4	2.4	5.8	...	1.6	...
Bergen .....	1.0	0.9	1.4	0.4	0.4	...	0.2	0.5	...	...
Burlington .....	...	1.0	2.0	1.0	1.0	...	...	...	...	...
Camden .....	0.3	1.1	0.3	0.7	...	1.2	...	0.4	...	0.4
Cape May .....	3.2	6.2	3.0	...	...	...	...	...	...	...
Cumberland .....	...	...	...	...	1.4	...	...	...	...	1.4
Essex .....	0.4	0.1	0.1	0.5	0.5	0.6	0.1	0.1	...	...
Gloucester .....	1.0	...	1.2	1.2	...	1.4	...	...	...	...
Hudson .....	0.1	...	0.2	0.1	0.6	...	0.3	...	0.2	...
Hunterdon .....	...	...	...	...	...	...	2.7	...	...	...
Mercer .....	0.5	...	1.0	...	0.5	...	1.0	...	...	...
Middlesex .....	...	...	...	...	0.4	...	0.9	0.5	...	0.4
Monmouth .....	7.7	1.2	0.6	3.6	...	...	0.6	0.6	0.6	0.6
Morris .....	1.7	...	...	...	...	...	...	...	...	...
Ocean .....	...	...	...	2.6	...	...	...	...	...	...
Passaic .....	0.6	0.3	0.3	...	0.3	0.3	...	0.3	0.3	...
Salmon .....	...	...	5.2	...	2.4	...	...	...	...	...
Somerset .....	1.4	1.4	2.3	1.3	...	...	...	...	...	1.5
Sussex .....	...	...	...	3.4	...	...	...	...	...	...
Union .....	...	...	0.2	2.8	...	...	0.5	0.3	...	...
Warren .....	...	...	...	...	...	...	...	...	...	...
New Jersey .....	0.7	0.5	0.6	0.3	0.4	0.4	0.3	0.2	0.1	0.1

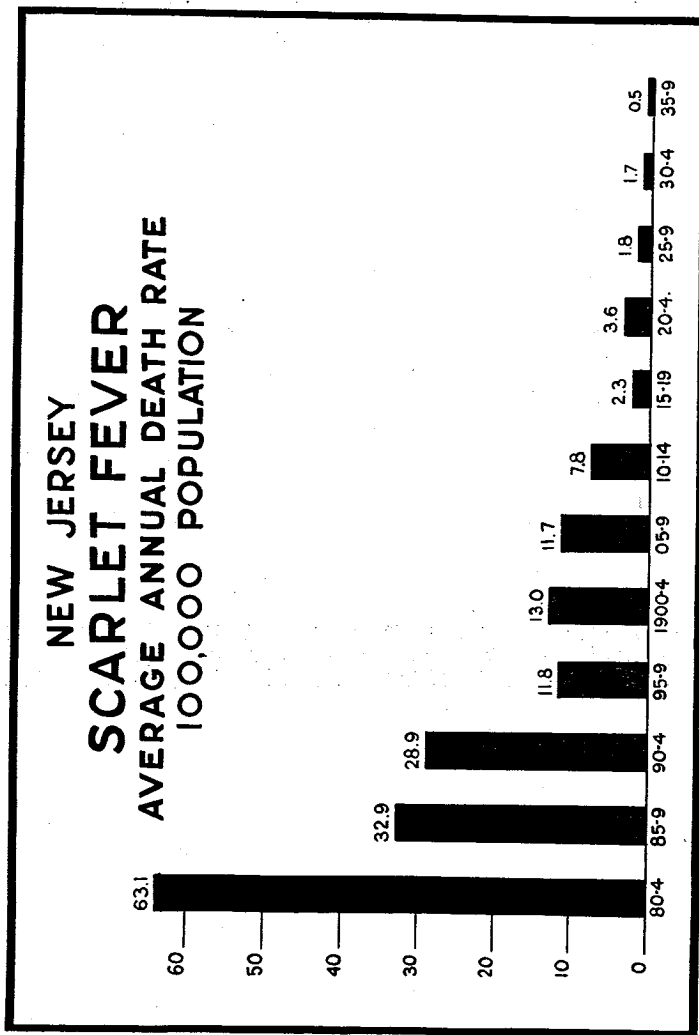
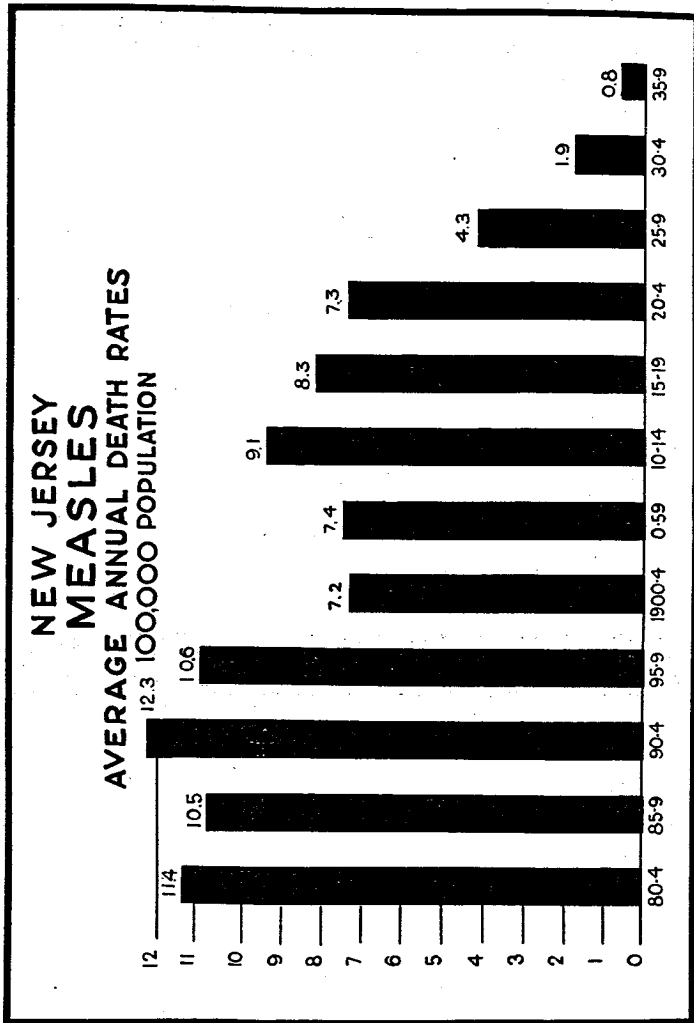
*Smallpox.*—No deaths from smallpox have occurred in New Jersey since 1925, when as in 1924 the disease was prevalent in epidemic form in certain sections of the State.

*Measles.*—Twenty-four deaths occurred from this disease, equivalent to a rate of 0.6 per 100,000 population. In 1942 7 deaths were reported, equivalent to a rate of 0.2.

*Scarlet Fever.*—The number of deaths from scarlet fever was 12, equivalent to a rate of 0.3 per 100,000 population. The number for the previous year was 8 and the rate was 0.2.

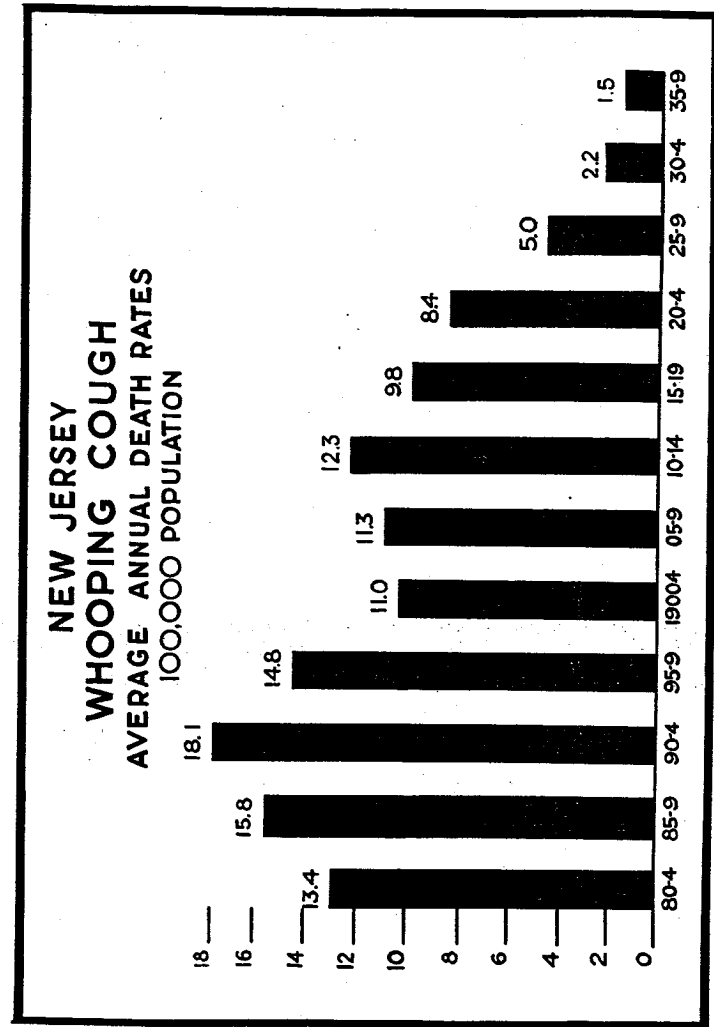
*Malaria.*—As the following figures show, deaths during recent years from this disease were practically negligible in the State:

1879 .....	268	1896 .....	119	1913 .....	11	1930 .....	5
1880 .....	293	1897 .....	132	1914 .....	10	1931 .....	0
1881 .....	431	1898 .....	82	1915 .....	17	1932 .....	3
1882 .....	379	1899 .....	96	1916 .....	10	1933 .....	1
1883 .....	290	1900 .....	84	1917 .....	5	1934 .....	0
1884 .....	230	1901 .....	50	1918 .....	13	1935 .....	6
1885 .....	209	1902 .....	36	1919 .....	2	1936 .....	3
1886 .....	243	1903 .....	40	1920 .....	5	1937 .....	0
1887 .....	217	1904 .....	47	1921 .....	10	1938 .....	1
1888 .....	264	1905 .....	21	1922 .....	3	1939 .....	1
1889 .....	203	1906 .....	33	1923 .....	2	1940 .....	0
1890 .....	195	1907 .....	29	1924 .....	6	1941 .....	0
1891 .....	180	1908 .....	30	1925 .....	3	1942 .....	3
1892 .....	198	1909 .....	25	1926 .....	2	1943 .....	2
1893 .....	148	1910 .....	25	1927 .....	2	...	...
1894 .....	162	1911 .....	25	1928 .....	3	...	...
1895 .....	144	1912 .....	29	1929 .....	5	...	...



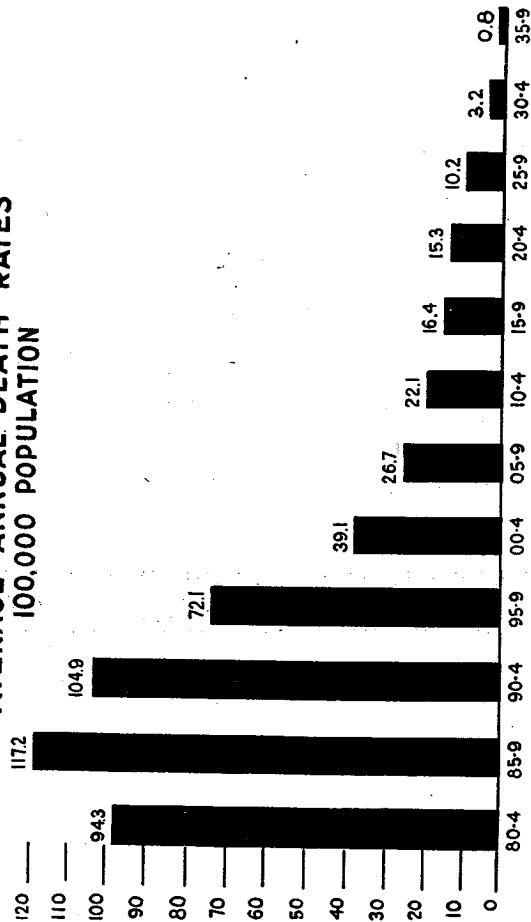
*Whooping Cough.*—This disease caused 38 deaths during 1943; for 1942 the number was 45 and for 1941, 35. The 1943 death rate was 0.9 per 100,000 population.

*Diphtheria.*—During 1943 only 12 persons died from diphtheria and laryngeal croup, equivalent to a rate of 0.3 per 100,000 population. The death rate from diphtheria for 1888 was 148 per 100,000 population. During the decade beginning with 1900, the rate declined from 48 to 25. The following ten-year period showed a decline to 18. The rate for 1943 was decidedly favorable when compared with the 1943 rate for the United States, which was 0.9.



# NEW JERSEY DIPHTHERIA

## AVERAGE ANNUAL DEATH RATES 100,000 POPULATION



*Tuberculosis.*—The number of deaths from all forms of tuberculosis during 1943 was 1,913 of which 1,789 were deaths from tuberculosis of the respiratory system. The death rates per 100,000 population were 45.2 and 42.2, respectively. The rates for 1942 were 43.9 and 40.9.

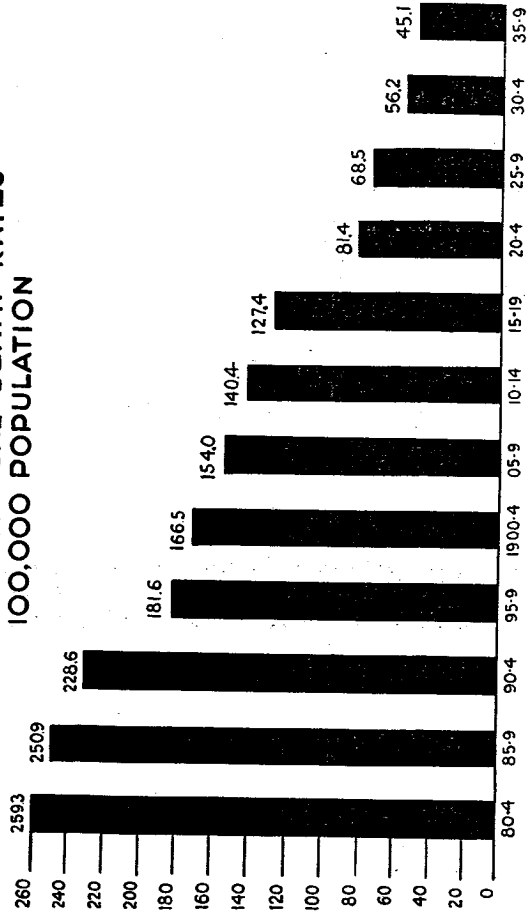
*White.*—The number of deaths of white persons from all forms of tuberculosis was 1,483. This was equivalent to a rate of 37.1 per 100,000 white population. Similar figures for 1942 were 1,423 and 35.6.

*Colored.*—The number of deaths from all forms of tuberculosis was 430 and the rate 184.6 per 100,000 of colored population. Similar figures for 1942 were 432 and 185.8.

Rates for tuberculosis of the respiratory system and other forms of tuberculosis, by color, may be obtained by reference to Table 15.

*Cancer.*—The number of deaths from cancer and other malignant growths for 1943 was 6,474 and the death rate was 152.9 per 100,000 population compared with 151.4 for the previous year. The mortality from the disease, with few exceptions, has steadily increased since the time records were first kept in New Jersey. This may be due, in some measure, to the increasing age of the population and also to more accurate diagnosis of the disease by physicians.

**NEW JERSEY  
RESPIRATORY TUBERCULOSIS  
AVERAGE ANNUAL DEATH RATES  
100,000 POPULATION**



**NEW JERSEY  
CANCER  
AVERAGE ANNUAL DEATH RATES  
100,000 POPULATION**

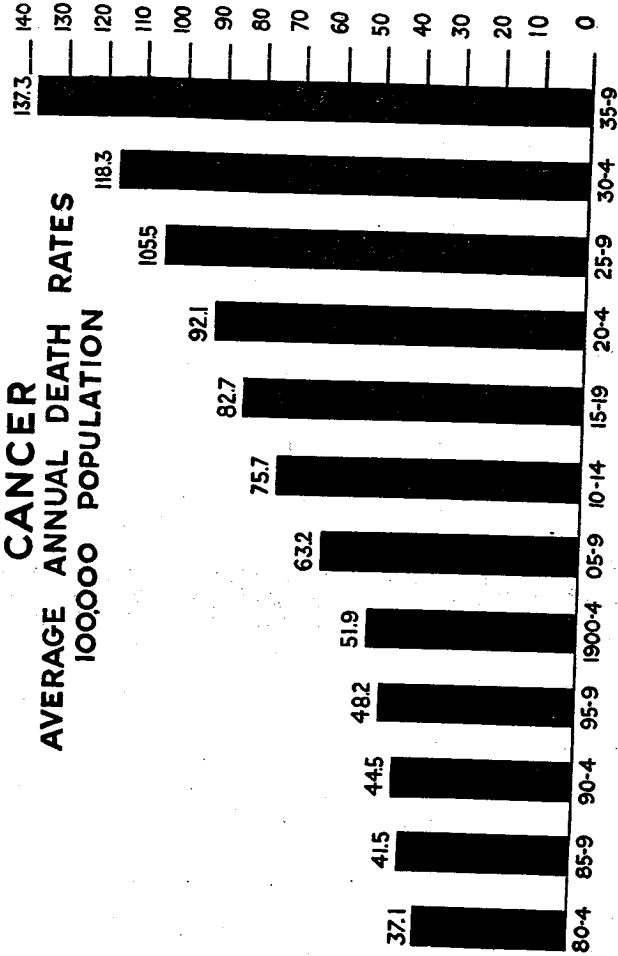




TABLE 18A.—DEATHS FROM CANCER AND OTHER MALIGNANT TUMORS BY PART OF BODY AFFECTED AND COLOR OF DECEASED—NEW JERSEY, 1943

	Total		White		Colored	
	M	F	M	F	M	F
Cancer of the buccal cavity and						
Lip	185	45	180	42	5	3
Tongue	13	6	56	6	2	...
Mouth	59	8	22	8	1	1
Jaw bone	24	9	23	8	1	1
Unspecified parts of the buccal	2	1	2	1	...	2
Pharynx	64	20	62	18	2	2
Cancer of the digestive organs and						
Esophagus	1731	1473	1660	1420	71	44
Stomach	123	89	114	82	9	1
Duodenum	64	38	51	32	13	3
Rectum and anus	4	8	4	8	...	...
Intestines (except duodenum and	242	192	237	185	5	7
Rectum)	64	49	407	487	17	12
Liver and gall bladder	37	29	30	25	7	4
Pancreas	130	80	117	87	3	2
Mesentery and peritoneum	21	19	21	17	...	2
Other and unspecified sites	21	28	21	28	...	...
Cancer of the respiratory system	430	100	418	96	12	4
Larynx	62	8	62	8	...	...
Trachea	1	1	1	1	...	...
Bronchus	101	7	99	7	2	...
Lung	243	71	253	68	10	3
Other and unspecified sites	10	10	10	10	...	...
Cancer of the uterus	537	491	537	491	46	46
Cervix	192	179	192	179	16	16
Other and unspecified sites	345	312	345	312	30	30
Cancer of other female genital organs	101	188	101	188	...	...
Ovary	168	105	168	105	...	...
Fallopian tube and parametrium	1	1	1	1	...	...
Vagina	8	8	8	8	...	...
Vulva	14	14	14	14	...	...
Other and unspecified sites	...	...	...	...	...	...
Cancer of the brain and other parts						
of the nervous system (including						
glioma, except when specified as benign)	51	36	30	35	1	1
Glioma	6	13	6	12	...	...
Other and unspecified cancers of the	45	23	44	23	1	...
brain and central nervous system	103	149	176	141	18	8
Cancer of other and unspecified organs	2	3	2	3	...	...
Adrenal gland	27	24	24	24	3	3
Bone (except jaw bone and	0	11	0	11	...	...
Thyroid gland)	3	6	3	6	...	...
Nasal cavity and accessory sinuses	152	104	130	98	13	8
Other and unspecified organs	...	...	...	...	...	...
Grand Totals	3151	8523	3028	8187	123	336

*Encephalitis Lethargica or Sleeping Sickness.*—Twenty-six deaths were assigned to this classification for the year 1943. In 1922, which was the year that the deaths were first separately classified, there were 45 deaths. Twenty-four deaths were recorded in 1942.

*Nephritis.*—Deaths due to acute and chronic nephritis totaled 3,088, compared with 2,950 for the previous year.

*Suicide.*—While deaths by this means increased considerably during the period 1926 to 1932, a reversal of trend started in 1933 and continued through 1936. Deaths for 1943 showed a decrease of 45 from the number for 1942. Of the various means employed, poisonous gases held first place with hanging or strangulation and firearms in second and third places, respectively. The number of deaths by suicide in ten years follows:

1934	667	1939	563
1935	593	1940	664
1936	574	1941	598
1937	588	1942	537
1938	682	1943	492

TABLE 13A.—VIOLENT OR ACCIDENTAL DEATHS IN NEW JERSEY, 1943  
(International Classification Numbers 163-195)

SUICIDE BY SOLID OR LIQUID POISONS	107
Arsenic and compounds	4
Barbituric acid and derivatives	19
Cresol compounds	10
Mercury and compounds	4
Nux vomica and strychnine	2
Carbolic acid and phenol	1
Other solid or liquid poisons	17
SUICIDE BY POISONOUS GASES	156
Illuminating gas	25
Motor vehicle exhaust gas	25
Other carbon monoxide gas	106
Other poisonous gases	1
SUICIDE BY OTHER MEANS	126
Hanging or strangulation	22
Drowning	81
Firearms and explosives	22
Cutting or piercing instruments	30
Jumping from high places	7
Crushing	5
Other or unspecified means	37
Infanticide (homicide by infants under 1 year of age)	31
Homicide by firearms	25
Homicide by cutting or piercing instruments	106
Homicide by other means	1
Railway accidents (except collisions with motor vehicles)	1
MOTOR VEHICLE ACCIDENTS	35
Collisions between automobiles and trams	665
Collisions between automobiles and streetcars	9
Automobile accidents (except collisions with trains or streetcars)	4
Motorcycle accidents (except collisions with automobiles)	59
STREETCAR AND OTHER ROAD-TRANSPORT ACCIDENTS	49
Streetcar accidents (except collisions with trains or motor vehicles)	3
Other and unspecified road-transport accidents	7
Water-transport accidents	3
Air-transport accidents	1
Accidents in mines and quarries	50
AGRICULTURAL AND FORESTRY ACCIDENTS	50
Accidents involving agricultural machinery and vehicles	6
Injury by animals in agriculture	49
Other agricultural accidents	1
Accidents involving forestry machinery and vehicles	1
Other forestry accidents	1
Food poisoning	1
ACCIDENTAL ABSORPTION OF POISONOUS GAS	107
Illuminating gas	4
Motor vehicle exhaust gas	19
Other carbon monoxide gas	10
Other poisonous gases	4
ACUTE ACCIDENTAL POISONING BY SOLIDS AND LIQUIDS	2
Arsenic and compounds	1
Barbituric acid and derivatives	6
Cresol compounds	15
Mercury and compounds	100
Nux Vomica and strychnine	101
Carbolic acid and phenol	46
Lye and potash	195
Tobacco and derivatives	39
Narcotics	6
Methanol and other alcohols	15
Other and unspecified substances	100
Conflagration	101
Accidental buris (except due to conflagration)	101
Accidental mechanical suffocation	46
Accidental drowning	195
Accidental injury by firearms	39
Accidental injury by cutting or piercing instruments	6
ACCIDENTAL INJURY BY FALL OR CRUSHING	871
Fall	14
Crushing	857
Cataclasm (all deaths attributed to a cataclasm regardless of their nature)	1
Injury by animals (not specified as venomous or occurring in the course of agricultural and forestry operations)	1
Hunger or thirst	1
Excessive cold	13
Excessive heat	26
Lightning	1
Accidents due to electric currents (except lightning)	19
Poisoning by venomous animals (not specified as occurring in the course of agricultural and forestry operations)	1
OTHER ACCIDENTS	138
Sequelae of preventive immunization, inoculation or vaccination	1
Other accidents due to medical or surgical intervention	1
Lack of care of the newborn	1
Obstruction, suffocation or puncture by ingested objects	33
Other and unspecified accidents	138

TABLE 13b.—MOTOR VEHICLE FATALITIES IN NEW JERSEY  
BY TYPE OF ACCIDENT—1943

Total	709
Collision with	
Railroad train	36
Street car	3
Horse drawn vehicle	3
Motorcycle	6
Pedestrian	392
Bicycle	13
Other motor vehicle	105
Fixed object	74
Non-collision	72
Type not stated	5

TABLE 13c.—ACCIDENTAL DEATHS IN NEW JERSEY  
BY IMMEDIATE CAUSE OF DEATH AND PLACE OF OCCURRENCE—1943

(International Classification Numbers 169-195)

	Total	Home	Accident in			Other	Not Stated
			Farm	Place	Public Place		
Total	2,795	1,075	19	354	1,225	2	120
Poisonous gas	173	156	3	9	5	..	..
Burns	214	138	1	45	25	..	5
Mechanical suffocation	56	48	..	7	1	..	..
Drowning	238	14	1	25	198	..	..
Cutting or piercing	20	5	3	5	3	..	4
Fall	938	625	8	97	175	..	33
Crushing, landslides	983	21	..	141	789	..	32
Electric currents	20	2	..	17	1	..	..
Other and unspecified injuries	153	66	3	8	28	2	46

These totals vary, in some instances, from figures in the other tabulations of accidental deaths. The deaths are classified by the immediate causes irrespective of the nature of the accidents.



TABLE 13d.—DEATHS IN NEW JERSEY FROM CERTAIN TYPES OF ACCIDENTS  
BY PLACE OF DEATH—1943

(International Classification Numbers 169-195)

	Total Accidental Deaths	Motor Vehicle	Falls	Burns	Drowning
Total .....	2,795	709	871	207	195
Atlantic County .....	102	19	44	8	5
Bergen County .....	146	51	51	10	7
Burlington County .....	102	40	14	7	16
Camden County .....	178	49	59	8	9
Cape May County .....	28	2	4	2	6
Cumberland County .....	71	29	15	10	9
Essex County .....	469	116	187	39	17
Gloucester County .....	59	21	7	6	6
Hudson County .....	416	75	134	29	31
Hunterdon County .....	18	3	2	..	..
Mercer County .....	153	38	64	8	14
Middlesex County .....	168	48	35	15	18
Monmouth County .....	157	38	53	8	13
Morris County .....	80	13	23	8	6
Ocean County .....	72	15	12	2	15
Passaic County .....	190	47	81	12	7
Salem County .....	40	11	5	7	5
Somerset County .....	65	16	15	4	3
Sussex County .....	36	8	4	5	2
Union County .....	209	61	50	16	5
Warren County .....	36	9	12	3	1

TABLE 13e.—ACCIDENTAL DEATHS IN NEW JERSEY BY MONTH OF DEATH—1943  
(International Classification Numbers 169-195)

	Total Accidental Deaths	Motor Vehicle	Falls	Burns	Drowning
Total .....	2,795	709	871	207	195
January .....	262	77	90	25	10
February .....	200	42	64	27	7
March .....	230	59	82	22	9
April .....	221	49	70	22	15
May .....	236	53	73	14	13
June .....	274	38	82	16	50
July .....	227	60	64	14	37
August .....	212	55	52	2	20
September .....	202	62	71	7	13
October .....	238	74	75	8	9
November .....	210	59	65	22	3
December .....	283	81	83	28	9

TABLE 13f.—ACCIDENTAL DEATHS IN NEW JERSEY BY AGE OF DECEASED—1943

(International Classification Numbers 169-195)

	Total Accidental Deaths	Motor Vehicle	Falls	Burns	Drowning
All ages .....	2,795	709	871	207	195
Under 5 years .....	187	28	12	28	23
5 to 9 .....	97	37	4	17	22
10 to 14 .....	77	19	11	3	27
15 to 19 .....	113	37	6	4	26
20 to 24 .....	139	58	7	4	12
25 to 64 .....	1,270	398	243	99	76
65 and over .....	912	132	588	52	9

TABLE 14—PERCENTAGE OF THE VARIOUS CAUSES OF TOTAL DEATHS AND EACH SEX OF TOTAL, IN NEW JERSEY—1943

Abridged International List Number	CAUSE OF DEATH	Percentage of Total	Males—Percentage of Total		Females—Percentage of Total
			Males—Percentage of Total	Females—Percentage of Total	
	ALL CAUSES	100.0	54	46	
1	Typhoid and paratyphoid fevers	0.0	78	22	
2	Plague	0.0	67	33	
3	Scarlet fever	0.1	29	31	
4	Whooping cough	0.0	38	42	
5	Diphtheria	0.0	65	35	
6	Tuberculosis of the respiratory system	3.6	65	35	
7	All other forms of tuberculosis	0.2	59	41	
8	Malaria	0.0	100	0	
9	Syphilis	0.5	72	28	
10	Influenza	0.7	50	50	
11	Smallpox	0.0	54	46	
12	Measles	0.0	50	50	
13	Typhus fever	0.6	62	38	
14	Other infectious or parasitic diseases	0.0	49	51	
15	Cancer and other malignant tumors	13.0	27	73	
16	Nonmalignant tumors or tumors of unspecified nature	0.5	40	60	
17	Chronic rheumatism and gout	0.1	31	69	
18	Diabetes mellitus	3.2	86	14	
19	Chronic or acute alcoholism	0.2	46	54	
20	Avitaminoses, other general diseases, diseases of the blood, and chronic poisonings	1.2	59	41	
21	Meningitis (nonmeningococcal) and diseases of the spinal cord	0.3	45	55	
22	Intracranial lesions of vascular origin	8.6	35	45	
23	Other diseases of the nervous system and sense organs	0.7	56	44	
24	Diseases of the heart	34.9	52	48	
25	Other diseases of the circulatory system	2.5	60	40	
26	Pneumonia and bronchopneumonia	4.4	38	42	
27	Other diseases of the respiratory system	0.7	63	37	
28	Diarrhea and enteritis	0.5	33	47	
29	Appendicitis	0.5	61	39	
30	Diseases of the liver and biliary passages	1.7	55	45	
31	Other diseases of the digestive system	1.9	63	37	
32	Nephritis	6.2	50	50	
33	Other diseases of the urinary and genital systems	0.9	75	25	
34	Puerperal infection	0.1	100	0	
35	Other diseases of pregnancy, childbirth, and the puerperium	0.2	100	0	
36	Diseases of the skin, cellular tissue, bones, and organs of movement	0.2	51	49	
37	Congenital malformations and debility, premature birth, and diseases peculiar to the first year of life	3.9	57	43	
38	Senility, old age	0.8	47	53	
39	Suicide	1.0	64	46	
40	Homicide	0.2	74	26	
41	Automobile accidents (all motor-driven road vehicles)	1.3	81	19	
42	Other violent or accidental deaths (suicide, homicide, and automobile accidents excepted)	4.0	62	38	
43	Causes of death ill-defined, unknown, or unspecified	0.1	54	46	

TABLE 15—DEATH RATES, TOTAL, WHITE AND COLORED, FROM IMPORTANT CAUSES, PER 100,000 TOTAL, WHITE AND COLORED POPULATION IN NEW JERSEY—1943

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
	ALL CAUSES	1216.5	1192.4	1833.3
1	Typhoid and paratyphoid fevers	0.2	0.1	2.2
2	Plague	0.0	0.0	0.0
3	Scarlet fever	0.3	0.3	0.3
4	Whooping cough	0.9	0.7	4.4
5	Diphtheria	0.3	0.3	0.9
6	Tuberculosis of the respiratory system	43.7	36.1	174.2
7	All other forms of tuberculosis	3.0	2.2	16.9
8	Malaria	0.0	0.0	0.0
9	Syphilis	10.9	7.6	67.1
10	Influenza	8.4	8.2	12.4
11	Smallpox	0.0	0.0	0.0
12	Measles	0.6	0.6	0.4
13	Typhus fever	7.6	6.8	29.9
14	Other infectious or parasitic diseases	138.2	160.7	115.1
15	Cancer and other malignant tumors	6.2	5.8	14.2
16	Nonmalignant tumors or tumors of unspecified nature	1.5	1.5	0.9
17	Chronic rheumatism and gout	38.8	39.3	30.2
18	Diabetes mellitus	1.9	1.9	2.2
19	Chronic or acute alcoholism	15.1	14.9	19.6
20	Avitaminoses, other general diseases, diseases of the blood, and chronic poisonings	3.8	3.5	8.4
21	Meningitis (nonmeningococcal) and diseases of the spinal cord	104.9	104.1	119.1
22	Intracranial lesions of vascular origin	8.4	8.3	10.5
23	Other diseases of the nervous system and sense organs	424.3	425.2	408.8
24	Diseases of the heart	30.3	30.3	31.1
25	Other diseases of the circulatory system	3.1	3.0	4.4
26	Bronchitis	53.0	49.0	120.9
27	Pneumonia and bronchopneumonia	7.9	7.7	11.6
28	Other diseases of the respiratory system	6.1	5.6	15.8
29	Diarrhea and enteritis	6.2	6.3	5.3
30	Appendicitis	20.3	20.7	13.3
31	Diseases of the liver and biliary passages	22.7	23.4	28.9
32	Other diseases of the digestive system	73.5	72.9	120.0
33	Nephritis	11.0	10.8	14.7
34	Other diseases of the urinary and genital systems	1.2	1.1	3.6
35	Puerperal infection	2.5	2.3	6.2
36	Other diseases of pregnancy, childbirth, and the puerperium	2.0	1.8	4.4
37	Diseases of the skin, cellular tissue, bones, and organs of movement	47.2	44.6	92.9
38	Congenital malformations and debility, premature birth, and diseases peculiar to the first year of life	7.5	7.4	9.8
39	Senility, old age	12.0	12.4	4.8
40	Suicide	2.4	1.4	19.8
41	Homicide	16.0	15.3	27.1
42	Automobile accidents (all motor-driven road vehicles)	48.4	47.3	68.4
43	Other violent or accidental deaths (suicide, homicide, and automobile accidents excepted)	1.2	1.0	5.3
44	Causes of death ill-defined, unknown, or unspecified			

TABLE 16—DEATHS (EXCLUSIVE OF STILLBIRTHS) BY CAUSES AND MONTHS OF DEATH, IN NEW JERSEY—1943

Abridged Interna- tional List Number	CAUSE OF DEATH	MONTH OF DEATH												
		January	February	March	April	May	June	July	August	September	October	November	December	
	<b>ALL CAUSES</b>	49781	47146	42711	44318	44369	41438	39854	38319	34447	39382	39778	36880	37794
1	Typhoid and paratyphoid fevers	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Scarlet fever	12	2	1	2	3	1	4	2	5	1	1	1	1
3	Diphtheria	10	2	3	3	3	6	4	2	6	1	3	2	1
4	Whooping cough	12	4	3	3	4	6	7	2	6	1	5	2	1
5	Measles	13	2	3	3	4	6	7	2	6	1	5	2	1
6	Tuberculosis of the respiratory system	1789	1388	1488	1857	1922	1922	1777	1332	1449	1172	1110	1077	1143
7	All other forms of tuberculosis	124	9	11	14	0	10	11	10	7	11	9	10	11
8	Syphilis	44	10	10	12	16	10	10	7	30	20	31	31	46
9	Smallpox	344	20	24	18	34	18	0	0	4	4	8	13	186
10	Influenza	24	1	6	3	4	4	5	1	1	1	1	1	1
11	Scarlet fever	31	22	32	10	20	37	23	22	17	23	30	24	22
12	Measles	6474	852	480	537	510	545	589	685	643	532	631	604	530
13	Other infectious or parasitic diseases	283	28	18	18	30	26	31	31	16	10	24	10	20
14	Cancer and other malignant tumors	1880	137	128	138	154	137	133	172	183	153	121	113	108
15	Nonmalignant tumors or tumors of unspecified nature	77	8	6	11	8	7	10	7	5	8	5	7	1
16	Chronic or acute alcoholism	0	0	0	0	0	0	0	0	0	0	0	0	0
17	Diabetes mellitus	0	0	0	0	0	0	0	0	0	0	0	0	0
18	Chronic or acute alcoholism	0	0	0	0	0	0	0	0	0	0	0	0	0
19	Avitaminoses, other general diseases, diseases of the blood, and chronic poisonings	0	0	0	0	0	0	0	0	0	0	0	0	0
20	Other diseases of the nervous system and sense organs	0	0	0	0	0	0	0	0	0	0	0	0	0
21	the spinal cord (meningocele) and diseases of the meninges	135	18	17	12	17	10	15	6	17	7	15	7	15
22	Intracranial lesions of vascular origin	4254	385	303	401	305	324	320	272	304	305	376	328	433
23	Other diseases of the nervous system and sense organs	344	31	33	33	35	25	41	30	24	13	20	19	40
24	Diseases of the heart	1726	116	168	156	143	150	143	143	112	106	134	128	204
25	Other diseases of the circulatory system	1246	129	109	114	99	111	91	111	111	90	101	91	101
26	Bronchitis	127	16	17	14	9	6	3	7	2	8	10	10	24
27	Pneumonia and bronchopneumonia	2167	233	212	231	166	229	166	115	100	115	127	471	
28	Other diseases of the respiratory system	324	37	31	39	31	25	28	74	75	85	120	127	
29	Diphtheria and enteritis	251	10	10	10	10	10	10	23	22	23	23	23	
30	Appendicitis	551	10	10	10	10	10	10	27	27	27	27	27	
31	Diseases of the liver and biliary passages	820	74	77	77	73	73	63	29	21	14	14	21	
32	Other diseases of the digestive system	970	82	88	90	80	91	73	87	77	62	59	70	
33	Disorders of the urinary and genital systems	3088	286	288	285	248	242	242	215	202	221	222	339	
34	Other diseases of the urinary and genital systems	420	35	32	35	41	39	47	33	33	41	41	58	
35	Puerperal infection	40	0	1	0	4	0	5	0	0	0	0	2	
36	Other diseases of pregnancy, childbirth, and the puerperium	102	13	6	7	9	5	10	4	0	7	0	9	
37	Diseases of the skin, cellular tissue, bones, and joints	81	6	8	6	9	4	8	8	8	14	7	4	
38	Congenital malformations and deformities, including birth, and diseases peculiar to the first year of life	160	160	173	163	168	186	186	186	169	142	174	170	
39	Senility, old age	369	24	28	29	30	23	24	21	10	13	14	13	
40	Senility, old age	46	30	42	45	52	60	43	41	44	34	35	31	
41	Homicide	0	0	0	0	0	0	0	0	0	0	0	0	
42	Automobile accidents (all motor-driven road vehicles)	633	64	87	59	48	40	37	51	53	60	68	71	
43	Accidental or accidental deaths (suicide, homicide, and other accidents excepted)	1082	107	100	104	107	221	146	147	148	156	139	189	
44	Causes of death ill-defined, unknown, or unspecified	80	4	5	5	4	4	4	4	4	0	0	0	





















TABLE 20—DEATHS FROM EACH CAUSE, DETAILED INTERNATIONAL LIST, IN THE (COUNTY FIGURES INCLUDE)

COUNTIES OF NEW JERSEY AND SELECTED MUNICIPALITIES AND TOWNSHIPS PLACES WHICH FOLLOW: 1943—Continued

Table with 20 columns representing counties/municipalities and 104 rows representing causes of death. The table lists death counts for various causes such as cancer, diabetes, heart diseases, and other conditions across different New Jersey locations.



TABLE 20—DEATHS FROM EACH CAUSE, DETAILED INTERNATIONAL LIST, IN THE (COUNTY FIGURES INCLUDE)

	Monmouth County	Asbury Park	Long Branch	Neptune Twp.	Red Bank	Morris County	Dover	Madison	Morristown	Ocean County	Passaic County	Clifton
54. Cancer of the brain and other parts of the central nervous system	3					4	1		1		8	
55. Cancer of other and unspecified organs	18	3	4	1	2	16		3	4	6	23	3
56. Nonmalignant tumors (including dermoid cysts)						3	1		1	2	19	3
57. Tumors of unspecified nature	1					4		1	1		6	
58. Acute rheumatic fever	5	1	1			3			1		9	
59. Chronic rheumatism and other rheumatic diseases	2					1			1	1	5	
60. Gout												
61. Diabetes mellitus	60	11	3	6	5	47	4	1	5	18	140	18
62. Diseases of the pituitary gland											1	
63. Diseases of the thyroid and parathyroid glands	4					1					10	5
64. Diseases of the thymus gland	1					1				1	6	
65. Diseases of the adrenal glands (not specified as tuberculous) and other	2					1					3	
66. Other general diseases											1	
67. Scurvy											1	1
68. Beriberi											1	1
69. Pellagra											1	1
70. Rickets											1	1
71. Avitaminoses											1	1
72. Hemorrhagic conditions	2		1	1		2			1	3	9	1
73. Anemias (except aplenic anemia)	4	1	1			2	2		1	3	9	1
74. Leukemias and aleukemias	8			2		5	1				22	1
75. Diseases of the spleen	2	1									1	
76. Other diseases of the blood and blood-forming organs	1					4	2		1	1	1	
77. Alcoholism	4	1				1	1			1	1	1
78. Lead poisoning											1	
79. Chronic poisoning by other mineral or organic substances											1	
80. Encephalitis (nonepidemic)	1					2			1	1	2	1
81. Meningitis (not due to meningococcus)	3					2					1	
82. Diseases of the spinal cord (except locomotor ataxia and disseminated sclerosis)	2		1			2					3	
83. Intracranial lesions of vascular origin	312	24	19	23	11	132	11	8	17	62	323	35
84. Mental diseases and deficiency (except general paralysis of the insane)	1										5	
85. Epilepsy	1					3	1			2	7	
86. Convulsions (under 5 years of age)											6	3
87. Other diseases of the nervous system	9	1		1		4	1	1	2		8	
88. Diseases of the organs of vision											1	
89. Diseases of the ear and mastoid process						2	1	1			2	1
90. Pericarditis (except acute rheumatic)	1					2					1	
91. Acute endocarditis (except rheumatic)					1	1					6	1
92. Chronic affections of the valves and endocardium	5				1	2	1				1	
93. Diseases of the myocardium	67	9	3	15	7	44	6	7	3	16	96	15
94. Diseases of the coronary arteries and angina pectoris	457	50	56	35	49	289	38	10	39	88	620	75
95. Other diseases of the heart	230	28	14	17	12	152	9	13	16	89	370	57
96. Aneurysm (except of heart and aorta)	138	25	12	11	9	10	3		3	16	71	11
97. Arteriosclerosis (except coronary or renal sclerosis)	2	1				1					7	1
98. Gangrene	50	3	3	6	3	66	7	4	18	15	115	9
99. Other diseases of the arteries											1	3
100. Diseases of the veins	2					2					2	2
101. Diseases of the lymphatic system											3	
102. High blood pressure (idiopathic)	2					4			1		8	
103. Other diseases of the circulatory system											1	
104. Diseases of the nasal fossae and accessory sinuses	1				1							

COUNTIES OF NEW JERSEY AND SELECTED MUNICIPALITIES AND TOWNSHIPS (PLACES WHICH FOLLOW): 1943—Continued

	Hawthorne	Piscataway	Paterson	Salem County	Salem City	Somerset County	Bound Brook	North Plainfield	Somerville	Sussex County	Union County	Cranford Twp.	Elizabeth	Hillside Twp.	Linden	Plainfield	Rahway	Roselle	Roselle Park	Summit	Union Twp.	Westfield	Warren County	Phillipsburg	
1	3	3			1	1	1	1		2	13		1	1		2	4	1	1					1	
2	3	11	4	1	7	1	1			2	17	1	5	1	2	2	1	3			2	3	4		
3	5	10	3		1	1	1			2	17	1	3	1	5	1	1				1	1	2	1	
4	1	1	1		1	1	1			2	16	1	1	1	1	1	1				1	1	2	1	
5	1	5	2		1	1	1			2	7	1	1	1	1	1	1				1	1	2	2	
6	2	3	4	1						1	4		3									1	2	1	
7	6	19	71	15	4	23	3	2	1	14	98	8	33	1	8	18	4	2		9	5	4	22	14	
8	1	3	1		2			1	1	6			1	1	3		1						1		
9	1	4	1							3						1							2		
10	1	1									1		1										1		
11											1												1		
12											1												1		
13	13	40	190	46	11	79	11	12	9	37	311	16	99	11	15	60	22	12	9	16	15	19	56	15	
14	2	3	1		3	1		1	1	1	3	2											2	1	
15		1	4	2		3		1	1	3	2											1		1	
16		2	3			2				2	15	1	8		1	1	1	1	1	1	1	1	1		
17		1				1					4	1	1				1					1			
18		1				1		1			1	1	1	3	1	2	2	1	1				1		
19	4	15	47	12	3	22	1	5	2	6	101	7	23	3	2	13	11	8	4	8	5	11	23	13	
20	31	73	340	71	18	141	16	31	21	69	557	19	200	22	30	57	36	26	20	30	50	25	116	80	
21	7	71	188	54	15	55	5	9	7	50	319	14	104	15	9	48	31	11	15	17	20	15	64	18	
22	3	12	41	7	1	29	1	5	6	11	104	5	78	7	13	26	4	1	3	2	3	5	23	7	
23			5							6			2										1		
24	4	22	65	16	6	13		2	5	8	76	5	30	6	2	9	9	1	2	2	3	3	10	3	
25		1	2			2		1		2			1		1	1						1			
26											2		1		1	1									
27			6	1						2	7		2	1		2						1		1	





TABLE 20-DEATHS FROM EACH CAUSE, DETAILED INTERNATIONAL LIST, IN THE (COUNTY FIGURES INCLUDE

Table with columns for County (Essex, Middlesex, etc.) and rows for various causes of death (105. Diseases of the larynx, 106. Bronchitis, etc.)

COUNTIES OF NEW JERSEY AND SELECTED MUNICIPALITIES AND TOWNSHIPS PLACES WHICH FOLLOW): 1943-Continued

Table with columns for County/Municipality (Woodbury, Hudson County, Bayonne, etc.) and rows for various causes of death (105. Diseases of the larynx, 106. Bronchitis, etc.)



TABLE 20—DEATHS FROM EACH CAUSE, DETAILED INTERNATIONAL LIST, IN THE (COUNTY FIGURES INCLUDE

COUNTIES OF NEW JERSEY AND SELECTED MUNICIPALITIES AND TOWNSHIPS PLACES WHICH FOLLOW): 1948—Continued

Table with 20 columns (Cause of Death, State Total, Atlantic County, Atlantic City, Hammon, Pleasantville, Bergen County, Bergenfield, Cliffside Park, Englewood, Fairview, Fort Lee, Garfield) and 20 rows (Cause of Death categories 150-200). Includes a totals row at the bottom.

Table with 20 columns (Municipalities/Townships: Backenact, Loch, Lyndhurst Twp., North Arlington, Ridgefield Park, Ridgefield, Rutherford, Tenneck Twp., Wallington, Burlington County, Burlington, Camden County, Camden, Audubon, Collingswood, Gloucester City, Pennsauken Twp., Haddonfield, Cape May County, Cumberland County, Prigleton, Millville, Vinland) and 20 rows (Cause of Death categories 150-200). Includes a totals row at the bottom.

TABLE 20-DEATHS FROM EACH CAUSE, DETAILED INTERNATIONAL LIST, IN THE (COUNTY FIGURES INCLUDE)

Table with columns for Essex County, Belknap, Bloomfield, East Orange, Irvington, Maplewood Twp., Millburn Twp., Montclair, Newark, Nutley, Orange, South Orange, West Orange, Gloucester County and rows for various causes of death (150-200).

Totals 101741 2361 447 941 571 237 97 524 5599 245 445 131 279 905

COUNTIES OF NEW JERSEY AND SELECTED MUNICIPALITIES AND TOWNSHIPS PLACES WHICH FOLLOW: 1943-Continued

Table with columns for Woodbury, Hudson County, Bayonne, Guttenberg, Harrison, Hoboken, Jersey City, Kearny, North Bergen Twp., Secaucus, Union City, Weehawken Twp., West New York, Hunterdon County, Mercer County, Princeton, Trenton, Middlesex County, Carteret, Highland Park, New Brunswick, Perth Amboy, Sayreville, South Amboy, South River, Woodbridge Twp. and rows for various causes of death (150-200).

111 7740 765 77 145 681 3747 467 430 96 7694 1804 869 534 2328 85 1542 2348 106 94 423 451 72 114 102 276





TABULATION OF DEATHS IN ATLANTIC CITY FOR 1948, ACCORDING TO THE ABRIDGED INTERNATIONAL LIST OF CAUSES OF DEATH

Abridged International List Number	CAUSE OF DEATH	All Deaths		White		Colored		Age Periods											90 and Over	Unknown	
		Male	Female	Male	Female	Male	Female	Under 1 year	5 to 9	10 to 14	15 to 19	20 to 29	30 to 39	40 to 44	45 to 49	50 to 59	60 to 69	70 to 79			80 to 89
1000	ALL CAUSES	390	324	115	120	84	98	2	5	19	20	54	55	61	174	251	209	89	14		
1	Typhoid and paratyphoid fevers	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
2	Typhoid	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
3	Paratyphoid	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
4	Scarlet fever	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
5	Diphtheria	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
6	Whooping cough	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
7	Measles	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
8	Other forms of the respiratory system	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
9	Malaria	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
10	Syphilis	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
11	Smallpox	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
12	Measles	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
13	Typhus fever	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
14	Other infectious or parasitic diseases	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
15	Necrosis and other malignant tumors	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
16	Benign neoplasms or tumors of unspecified nature	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
17	Chronic rheumatism and gout	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
18	Diabetes mellitus	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
19	Alcoholism or acute alcoholism	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
20	Arteriosclerosis	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
21	Diseases of the blood, and chronic poisoning	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
22	Meningitis (nonmeningococcal) and diseases of the spinal cord	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
23	Intracranial lesions of vascular origin	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		

23	Other diseases of the nervous system and sense organs of the heart	6	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
24	Disease of the heart	319	137	105	46	22	22	1	1	1	1	1	1	1	1	1	1	1	1
25	Other diseases of the circulatory system	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
26	Bronchitis	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
27	Pneumonia and bronchopneumonia	62	25	14	11	12	10	1	1	1	1	1	1	1	1	1	1	1	1
28	Other diseases of the respiratory system	2	4	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
29	Diphtheria and enteritis	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
30	Appendicitis	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
31	Diseases of the liver and biliary passages	18	8	6	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
32	Other diseases of the digestive system	20	7	7	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1
33	Other diseases of the genitourinary system	126	50	44	23	21	1	1	1	1	1	1	1	1	1	1	1	1	1
34	Other diseases of the urinary and genital systems	6	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
35	Puerperal infection	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
36	Other diseases of pregnancy, childbirth, and puerperium	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
37	Diseases of the skin, cellular tissue, bones, and cartilages	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
38	Organs of movement	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
39	Congenital malformations and debility, premature birth, and diseases peculiar to the first year of life	25	12	9	2	2	24	1	1	1	1	1	1	1	1	1	1	1	1
40	Senility or old age	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
41	Homicide	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
42	Automobile accidents (all motor-driven road vehicles)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
43	Other violent or accidental deaths (suicide, homicide, and automobile accidents excepted)	30	15	16	6	1	1	1	1	1	1	1	1	1	1	1	1	1	1
44	Causes or death ill-defined, unknown, or unspecified	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

Population (1940 Census), 64,084.

Total Resident Deaths, 1,009.

Rate per 1,000 Population, 15.7.

## DEPARTMENT OF HEALTH

TABULATION OF DEATHS IN BERGEN COUNTY FOR 1946, ACCORDING TO THE ABRIDGED INTERNATIONAL LIST OF CAUSES OF DEATH

Abridged International List Number	CAUSE OF DEATH	All Deaths		White		Colored		Age Periods														
				Male		Female		Male		Female												
		Male	Female	Male	Female	Male	Female	Under 1 Year	Under 5 Years	5 to 9	10 to 14	15 to 19	20 to 29	30 to 39	40 to 44	45 to 49	50 to 59	60 to 69	70 to 79	80 to 89	90 and Over	Unknown
1	ALL CAUSES	4118	2023	1860	80	00	237	270	19	14	22	90	170	337	292	653	946	1030	548	71		
2	Typhoid and paratyphoid fevers	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3	Erysipelas	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
4	Diphtheria	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5	Whooping cough	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6	Diphtheria	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
7	Influenza	124	74	35	8	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8	Tuberculosis of the respiratory system	6	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
9	All other forms of tuberculosis	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
10	Syphilis	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
11	Smallpox	20	19	7	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
12	Scarlet fever	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
13	Typhus fever	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
14	Other infectious or parasitic diseases	50	15	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
15	Cancer and other malignant tumors	580	268	302	0	0	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1
16	Nonmalignant tumors or tumors of unspecified	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
17	Chronic rheumatism and gout	20	0	16	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
18	Diabetes mellitus and gest.	141	46	87	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
19	Chronic or acute alcoholism	4	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
20	Arteriosclerosis, other general diseases, diseases of unknown origin	50	22	33	2	5	7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
21	Meningitis (meningococcus), and diseases of the spinal cord	18	5	8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
22	Intracranial lesions of vascular origin	377	160	207	6	4	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1

## BUREAU OF VITAL STATISTICS

23	Other diseases of the nervous system and sense organs of the brain	12	13	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
24	Other diseases of the brain	810	709	17	16	2	4	2	8	2	10	43	22	60	200	894	482	240	25				
25	Other diseases of the circulatory system	1038	47	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
26	Bronchitis	10	7	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
27	Pneumonia and bronchopneumonia	160	99	55	3	8	26	32	4	1	1	1	1	1	1	1	1	1	1	1	1	1	
28	Other diseases of the respiratory system	28	16	12	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
29	Other diseases of the respiratory system	21	0	9	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
30	Appendicitis	77	39	36	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
31	Diseases of the liver and biliary passages	90	54	39	5	1	2	5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
32	Other diseases of the digestive system	201	94	114	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
33	Other diseases of the urinary and genital systems	33	25	7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
34	Other diseases of the urinary and genital systems	3	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
35	Puerperal infection	8	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
36	Other diseases of pregnancy, childbirth, and puerperium	8	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
37	Diseases of period in cellular tissue, bones, and cartilage	8	4	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
38	Other diseases of period in cellular tissue, bones, and cartilage	8	4	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
39	Congenital malformations and debility, premature birth, and diseases peculiar to the first year of life	177	96	66	12	5	171	176	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
40	Senility, old age	177	96	66	12	5	171	176	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
41	Suicide	54	34	19	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
42	Homicide	5	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
43	Automobile accidents (all motor-driven road vehicles)	53	37	15	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
44	Other violent or accidental deaths (outside homicide and automobile accidents excepted)	124	60	62	2	7	9	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
45	Causes of death ill-defined, unknown, or unspecified	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2

Estimated Population, 420,088.

Total Resident Deaths, 4,198.

Rate per 1,000 Population, 10.0.



TABULATION OF DEATHS IN BURLINGTON COUNTY FOR 1943, ACCORDING TO THE ABRIDGED INTERNATIONAL LIST OF CAUSES OF DEATH

Abridged International List Number	CAUSE OF DEATH	All Deaths		White		Colored		Age Periods														
		Male	Female	Male	Female	Male	Female	Under 1 year	Under 5 years	5 to 9	10 to 14	15 to 19	20 to 29	30 to 39	40 to 44	45 to 49	50 to 59	60 to 69	70 to 79	80 to 89	90 and Over	Unknown
1	ALL CAUSES	1300	743	488	71	35	86	104	33	0	16	67	56	38	50	170	275	283	100	47	.....	.....
2	Typhoid and paratyphoid fevers	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
3	Typhus fever	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
4	Scarlet fever	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
5	Diphtheria	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
6	Whooping cough	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
7	Tuberculosis of the respiratory system	62	15	15	9	5	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
8	All other forms of tuberculosis	5	3	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
9	Syphilis	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
10	Influenza	12	2	0	1	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
11	Smallpox	14	6	0	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
12	Measles	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
13	Whooping cough	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
14	Other fevers, of unspecified nature	3	2	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
15	Other fevers, of specific diseases	14	11	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
16	Cancer and other malignant tumors	170	90	74	4	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
17	Nonmalignant tumors or tumors of unspecified nature	4	1	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
18	Gonorrhea, syphilis and gout	4	3	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
19	Diphtheria mellitus	23	2	27	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
20	Chronic or acute alcoholism	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
21	Arteriosclerosis, other general diseases, diseases of the heart, blood, and chronic poisonings	17	8	10	1	4	5	2	1	2	2	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
22	Menstrual (menorrhagia) and diseases of the uterine and accessory organs	1	4	0	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
23	Intracranial lesions of vascular origin	110	57	47	2	4	1	1	1	1	1	4	2	1	5	13	27	38	10	1	.....	.....
24	Other diseases of the nervous system and sense organs	10	23	15	11	10	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
25	Other diseases of the heart	415	269	145	11	20	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
26	Other diseases of the circulatory system	36	10	15	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
27	Bronchitis	2	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
28	Pneumonia and bronchopneumonia	40	22	15	3	11	13	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
29	Other diseases of the respiratory system	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
30	Pharynx and esophagus	1	4	2	1	2	0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
31	Appendicitis	10	5	3	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
32	Diseases of the liver and biliary passages	15	8	5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
33	Other diseases of the digestive system	21	13	8	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
34	Nephritis	163	40	48	3	3	1	1	1	1	1	2	3	2	2	10	18	32	25	2	.....	.....
35	Other diseases of the urinary and genital systems	10	7	2	1	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
36	Puerperal infection	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
37	Diseases of pregnancy, childbirth, and the puerperium	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
38	Diseases of the skin, cellular tissue, bones, and organs of movement	2	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
39	Congenital malformations and debility, prenatal and diseases peculiar to the first year of life	53	31	18	6	54	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
40	Senility, old age	0	2	5	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
41	Suicide	15	8	6	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
42	Homicide	5	1	3	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
43	Accidents (all motor-driven road vehicles)	34	22	2	9	1	1	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
44	Other violent or accidental deaths (suicide, homicide, and automobile accidents excepted)	56	33	15	6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
45	Causes of death ill-defined, unknown, or unspecified	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

Estimated Population, 80,920.

Total Resident Deaths, 1,300.

Rate per 1,000 Population, 14.5.

TABULATION OF DEATHS IN CAMDEN COUNTY FOR 1948, ACCORDING TO THE ABRIDGED INTERNATIONAL LIST OF CAUSES OF DEATH

Abridged International List Number	All Deaths	White		Colored		Age Periods															
		Male		Female		Male		Female		Male		Female		Male		Female		Male		Female	
		Male	Female	Male	Female	Under 1 year	1 to 4	5 to 9	10 to 14	15 to 19	20 to 29	30 to 39	40 to 44	45 to 49	50 to 59	60 to 69	70 to 79	80 to 89	90 and Over	Unknown	
ALL CAUSES	3286	1551	1834	182	140	203	241	21	14	82	77	132	100	101	554	726	738	338	50		
1 Typhoid and paratyphoid fevers	1			1																	
2 Diphtheria	2																				
3 Scarlet fever	4																				
4 Whooping cough	4																				
5 Tuberculosis of the respiratory system	112	58	53	11	15	2	1	1	1	8	10	17	8	8	27	18	0	1			
6 All other forms of tuberculosis	11	0	1	3	1	1	2	1	1	1	1	1	1	1	1	2	1	1			
7 Malaria	20	9	10	3	4	2	2	1	1	1	4	2	1	1	0	0	1	1			
8 Syphilis	40	18	22	3	8	4	8	1	1	1	1	4	2	2	11	6	5	7			
9 Smallpox	4	2	2																		
10 Measles	28	17	8	1	2	3	1	1	1	3	1	5	1	1	5	1	1	1			
11 Typhus fever	188	178	188	12	13	1	1	1	1	3	5	10	10	27	80	121	63	10			
12 Other infectious or parasitic diseases	10	2	3																		
13 Other forms of malignant tumors	117	50	70	2	5	1	1	1	1	3	1	1	1	2	5	2	1	1			
14 Nonmalignant tumors of unspecified nature	3																				
15 Chronic rheumatism and gout	117	50	70	2	5	1	1	1	1	3	1	1	1	2	5	2	1	1			
16 Diabetes mellitus	3																				
17 Diseases of the circulatory system	3																				
18 Atherosclerosis, other general diseases of the blood, and chronic poisonings	20	8	16	1	1	3	6	1	1	1	1	1	1	2	5	5	4	1			
19 Myocardial infarction	7	1	1			1	2			1	1	1	1	1	2	5	4	1			
20 Stroke (cerebrovascular disease of the spinal cord)	7	1	1			1	2			1	1	1	1	1	2	5	4	1			
21 Meningitis (nonmeningococcal) and diseases of the spinal cord	276	118	154	15	9	1	2	1	1	9	1	3	2	13	42	77	69	35			
22 Intracranial lesions of vascular origin																					

23 Other diseases of the nervous system and sense organs	14	10	4			1	1													
24 Disease of the heart	1074	570	425	52	27	1	1	2	3	1	1	1	1	1	3	4	2	172	15	
25 Coronary atherosclerosis of the circulatory system	13	8	2	1	2															
26 Bronchitis and bronchopneumonia	147	57	48	24	18	52	35	1	1	8	0	0	1	10	25	18	20	12	2	
27 Pneumonia and bronchopneumonia	28	13	12	2	1	2	4	1	1	1	1	1	1	1	5	8	2	2		
28 Other diseases of the respiratory system	13	8	7	1	2	11	12	1	1	1	1	1	1	1	1	1	1	1		
29 Tuberculosis of the respiratory system	48	24	21	2	1	1	4	1	1	1	1	1	1	1	1	1	1	1		
30 Appendicitis	54	24	21	5	4	2	5	1	1	1	1	1	1	1	1	1	1	1		
31 Diseases of the liver and biliary passages	299	133	121	26	17	1	1	1	1	1	1	1	1	1	1	1	1	1		
32 Other diseases of the digestive system	21	11	8	1	1	1	1													
33 Other diseases of the urinary and genital systems	4																			
34 Gonorrhea	4																			
35 Puerperal infection	11																			
36 Other diseases of pregnancy, childbirth, and puerperium	3																			
37 Diseases of the skin, cellulitis, lice, scabies, and other infestations	180	56	50	10	7	180	130													
38 Congenital malformations and debility, premature birth, and diseases peculiar to the first year of life	31	21	9	1	1															
39 Senility, old age	6	2	1	1	1															
40 Suicide	46	37	0	2	1															
41 Homicide	101	58	36	6	1	4	10	6	4	8	5	1	5	3	11	17	15	16	5	
42 Automobile accidents (all motor-driven road vehicles)	7	3	1	1	2															
43 Other violent or accidental deaths (suicide, homicide, and automobile accidents excepted)																				
44 Causes of death ill-defined, unknown, or unspecified																				

Estimated Population, 254,085.

Total Resident Deaths, 8,226.

Rate per 1,000 Population, 12.7.

TABULATION OF DEATHS IN CAMDEN CITY FOR 1943, ACCORDING TO THE ABRIDGED INTERNATIONAL LIST OF CAUSES OF DEATH

Abridged International List Number	CAUSE OF DEATH	All Deaths				White		Colored		Age Periods													
		Male		Female		Male		Female		Under 1 Year	Under 5 Years	5 to 9	10 to 14	15 to 19	20 to 29	30 to 39	40 to 44	45 to 49	50 to 59	60 to 69	70 to 79	80 to 89	90 and Over
		1332	710	570	124	108	126	8	11	14	40	78	85	86	200	840	827	132	20				
1	ALL CAUSES	1332	710	570	124	108	126	8	11	14	40	78	85	86	200	840	827	132	20	Unknown			
1	Typhoid and paratyphoid fevers	1			1																		
2	Dysentery																						
3	Scarlet fever																						
4	Whooping cough																						
5	Diphtheria																						
6	Whooping cough																						
7	All other forms of tuberculosis	69	28	20	9	12	1	4	13	9	7	1	11	1									
8	Malaria	7	3	2	1	1	2	1	1	1	3	2	2	6	4	3	8						
9	Syphilis	14	2	6	3	2	2	1	1	1	3	2	2	6	4	3	8						
10	Smallpox	24	8	32	2	2	2	4	1	1	1	3	2	2	6	4	3	8					
11	Measles	1																					
12	Typhus fever	1																					
13	Other infectious or parasitic diseases	12	5	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
14	Other infectious or parasitic diseases	170	87	71	9	2	2	2	1	1	3	2	1	10	40	38	40	9					
15	Chronic rheumatism and gout	5																					
16	Chronic rheumatism and gout	5																					
17	Chronic rheumatism and gout	46	14	27	2	3																	
18	Chronic rheumatism and gout	2																					
19	Chronic rheumatism and gout	2																					
20	Avitaminosis, other general diseases of the blood, and chronic poisonings	14	5	7	1	1	2	4	1														
21	Meningitis (meningococcal) and diseases of the meninges	5	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
22	Intracranial lesions of vascular origin	122	51	63	11	7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

23	Other diseases of the nervous system and sense organs	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
24	Diseases of the heart	493	216	177	24	20	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
25	Other diseases of the circulatory system	25	14	9	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
26	Other diseases of the circulatory system	76	29	27	14	9	16	18	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
27	Other diseases of the respiratory system	14	3	4	1	1	2	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
28	Diarrhea and enteritis	6	2	4	1	1	5	6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
29	Other diseases of the respiratory system	26	12	13	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
30	Appendicitis	23	12	9	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
31	Other diseases of the liver and biliary passages	130	51	68	20	12	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
32	Other diseases of the digestive system	11	4	5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
33	Nephritis	8	3	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
34	Other diseases of the urinary and genital systems	2																						
35	Other diseases of the urinary and genital systems	2																						
36	Other diseases of the urinary and genital systems	8	5	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
37	Diseases of the skin, cellular tissue, bones, and cartilage	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
38	Diseases of the skin, cellular tissue, bones, and cartilage	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
39	Other diseases of the skin, cellular tissue, bones, and cartilage	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
40	Senility, old age	68	27	7	6	68	68																	
41	Senility, old age	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
42	Senility, old age	13	9	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
43	Automobile accidents (all motor-driven road vehicles)	21	14	5	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
44	Other violent or accidental deaths (suicide, homicide, and automobile accidents excepted)	50	30	15	4	1	1	4	8	3	1	4	2	4	8	1	3	4	8	4	3			
45	Unspecified	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	

Population (1940 Census), 117,586. Total Resident Deaths, 1,512. Rate per 1,000 Population, 12.9.

TABULATION OF DEATHS IN CAPE MAY COUNTY FOR 1943, ACCORDING TO THE ABRIDGED INTERNATIONAL LIST OF CAUSES OF DEATH

Abridged International Last Number	CAUSE OF DEATH	All Deaths		Colored		Age Periods														
		White		Colored		Age Periods														
		Male	Female	Male	Female	Under 1 year	Under 5 years	5 to 9	10 to 14	15 to 19	20 to 29	30 to 39	40 to 44	45 to 49	50 to 59	60 to 69	70 to 79	80 to 89	90 and Over	Unknown
433	ALL CAUSES	226	162	28	17	20	1	2	4	12	8	6	76	97	110	78	13			
1	Typhoid and paratyphoid fevers																			
2	Plague																			
3	Scarlet fever																			
4	Whooping cough																			
5	Diphtheria																			
6	Whooping cough, diphtheria and other forms of the respiratory system	11	7	3	1	1	1	2	1	2	1	1	2	1	3					
7	All other forms of tuberculosis																			
8	Malaria																			
9	Syphilis																			
10	Chancroid																			
11	Scabies																			
12	Measles																			
13	Typhus fever																			
14	Other infections or parasitic diseases																			
15	Other infectious or parasitic diseases and other malignant tumors																			
16	Nomenclature of tumors of unspecified nature	45	17	23	3	2					1	1	10	14	12	5				
17	Chronic rheumatism and gout	2																		
18	Diabetes mellitus	15	4	8	1															
19	Alcoholism	1																		
20	Alcoholism, diseases of the blood, and chronic poisonings	3	1	1	1															
21	Meningitis (nonsuppurative) and diseases of the spinal cord																			
22	Intracranial lesions of vascular origin	40	18	10	1	2	1	1												

23	Other diseases of the nervous system and sense organs	1																		
24	Diseases of the heart	145	56	4	1															
25	Other diseases of the circulatory system	18	10	6	3															
26	Pneumonia and bronchopneumonia	22	9	10	5	1	2													
27	Other diseases of the respiratory system	1																		
28	Diarrhea and enteritis	2	1	1	1															
29	Appendicitis	7	1	2	2															
30	Diseases of the liver and biliary passages	0	1	1	1															
31	Diseases of the digestive system	40	24	10	2	4														
32	Nephritis	4	2	1	1															
33	Other diseases of the urinary and genital systems																			
34	Other diseases of pregnancy, childbirth, and the puerperium	1																		
35	Diseases of the skin, cellular tissues, bones, and connective tissue																			
36	Complications of pregnancy and delivery premature birth, and diseases peculiar to the first year of life	13	0	7	1	13														
37	Year of life	8	0	1	1	13														
38	Sex	9	0	7	2	1														
39	Age	9	0	7	2	1														
40	Sex, age																			
41	Sex, age, and diseases peculiar to the first year of life																			
42	Automobile accidents (all motor-driven road vehicles)	3	1	1	1															
43	Accidental deaths (suicide, homicide and undetermined)	18	11	4	1	2	1	1												
44	Causes of death ill-defined, unknown, or unspecified	1	1																	

Estimated Population, 22,072.

Total Resident Deaths, 483.

Rate per 1,000 Population, 17.4

TABULATION OF DEATHS IN CUMBERLAND COUNTY FOR 1946, ACCORDING TO THE ABRIDGED INTERNATIONAL LIST OF CAUSES OF DEATH

CAUSE OF DEATH Abridged International List Number	All Deaths		White		Colored		Age Periods														
	Male	Female	Male	Female	Male	Female	Under 5 years	5 to 9	10 to 14	15 to 19	20 to 29	30 to 39	40 to 44	45 to 49	50 to 59	60 to 69	70 to 79	80 to 89	90 and Over	Unknown	
																					488
1 Typhoid and paratyphoid fevers .....	1	1	1	1	1	1															
2 Typhoid fever .....	1	1	1	1	1	1															
3 Scarlet fever .....	1	1	1	1	1	1															
4 Whooping cough .....	4	2	2	2	4	4															
5 Diphtheria .....	2	0	2	0	2	2															
6 All other forms of the respiratory system .....	25	15	3	3	8	8															
7 All other forms of tuberculosis .....	11	10	2	2	11	11															
8 Malaria .....	1	1	1	1	1	1															
9 Syphilis .....	10	4	1	1	1	1															
10 Influenza .....	18	4	1	1	1	1															
11 Measles .....	10	4	1	1	1	1															
12 Mumps .....	1	1	1	1	1	1															
13 Typhus fever .....	5	2	2	1	1	1															
14 Other infectious or parasitic diseases .....	109	47	55	3	1	1															
15 Cancer and other malignant tumors .....	10	10	10	10	10	10															
16 In situ malignant tumors of unknown or unspecified nature .....	5	1	5	1	1	1															
17 Chronic rheumatism and gout .....	3	1	1	1	1	1															
18 Diabetes mellitus .....	39	13	17	1	1	1															
19 Other endocrine diseases .....	2	2	2	2	2	2															
20 Arteriosclerotic vascular diseases .....	1	1	1	1	1	1															
21 Diseases of the blood, and chronic poisonings .....	11	0	4	1	1	1															
22 Meningitis (nonmeningococcal) and diseases of the spinal cord .....	1	1	1	1	1	1															
23 Intracranial lesions of vascular origin .....	120	63	51	8	3	3															

23 Other diseases of the nervous system and sense organs .....	13	7	4	1	1	1															
24 Diseases of the heart .....	300	165	136	13	6	6															
25 Diseases of the circulatory system .....	24	12	10	3	1	1															
26 Bacteremia .....	6	2	2	2	2	2															
27 Pneumonia and bronchopneumonias .....	39	18	14	5	2	2															
28 Other diseases of the respiratory system .....	6	5	1	2	1	1															
29 Diarrhea and enteritis .....	5	1	1	2	1	1															
30 Appendicitis .....	12	10	2	1	1	1															
31 Diseases of the liver and biliary passages .....	13	7	4	1	1	1															
32 Other diseases of the digestive system .....	85	78	33	3	1	1															
33 Nephritis .....	12	11	1	1	1	1															
34 Other diseases of the urinary and genital systems .....	12	11	1	1	1	1															
35 Systemic infection .....	4	4	4	4	4	4															
36 Other diseases of pregnancy, childbirth, and the puerperium .....	4	4	4	4	4	4															
37 Diseases of the skin, cellular tissue, bones, and joints .....	4	4	4	4	4	4															
38 Congenital malformations and debility .....	40	10	17	4	3	3															
39 Senility, old age .....	10	6	4	1	1	1															
40 Year of life .....	2	0	1	2	1	1															
41 Hemiplegia .....	23	17	5	1	1	1															
42 Automobile accidents (all motor-driven road vehicles) .....	43	21	16	5	1	1															
43 Other violent or accidental deaths (outside of those specified in automobile accidents) .....	43	21	16	5	1	1															
44 Cause of death ill-defined, unknown, or unspecified .....																					

Estimated Population, 73,870.

Total Resident Deaths, 961.

Rate per 1,000 Population, 13.1.

TABULATION OF DEATHS IN ESSEX COUNTY FOR 1948, ACCORDING TO THE ABRIDGED INTERNATIONAL LIST OF CAUSES OF DEATH

All Deaths	White		Colored		Age Periods															
	All Deaths		Male	Female	Under 1 Year	Under 5 Years	5 to 9	10 to 14	15 to 19	20 to 29	30 to 39	40 to 44	45 to 49	50 to 59	60 to 69	70 to 79	80 to 89	90 and Over		
	Male	Female	Male	Female														Unknown		
ALL CAUSES	10774	4882	4213	5900	480	486	800	89	56	90	218	500	382	617	1763	2235	2238	1104	182	
1 Typhoid and paratyphoid fevers	2	2																		
2 Diphtheria	1	1																		
3 Whooping cough	1	1																		
4 Tuberculosis of the respiratory system	427	194	53	75	75	1	1	5	4	21	5	80	46	39	89	46	20	3		
5 All other forms of tuberculosis	82	10	5	6	9	1	5	4	4	5	5	5	5	3	7	10	9	0		
6 Syphilis	167	15	17	29	12	4	4	4	4	3	5	3	1	7	10	9	0	1		
7 Influenza	10	23	30	4	7	3	5	3	5	1	0	0	0	0	0	0	0	0	0	
8 Smallpox	2	1	1																	
9 Measles	79	28	22	13	8	9	9	2	5	5	7	18	5	5	10	4	6	1		
10 Cancer and other malignant diseases	1359	608	680	25	37	1	4	2	1	4	15	47	83	124	359	320	312	96	8	
11 Nonmalignant tumors or tumors of unspecified nature	63	11	32	1	0															
12 Cancer of the stomach and gut	17	4	7																	
13 Diabetes mellitus	397	9	27	6	19															
14 Chronic or acute alcoholism	14	6	4																	
15 Arteriosclerosis, other general diseases, diseases of the blood, and chronic poisonings	141	64	63	4	10	12	21	9	4	8	9	10	13	7	21	19	21	5		
16 Influenza (epidemic and sporadic) and diseases of the spinal cord (meningococci) and diseases of the meninges	97	11	12	1	3	5	1													
17 Intracranial lesions of vascular origin	770	311	304	82	30	2	5	1												

23 Other diseases of the nervous system and sense organs of the heart	3082	40	28	2	5	5	0	4	5	2	12	11	2	8	4	9	8	7	4
24 Other diseases of the heart	1915	1491	168	136	1	1	3	34	1	1	38	101	101	187	669	938	986	507	78
25 Other diseases of the respiratory system	21	13	9	1	0	8	3				2	0	1	3	23	15	72	0	1
26 Bronchitis	21	13	9	1	0	8	3				2	0	1	3	23	15	72	0	1
27 Pneumonia and bronchopneumonia	384	107	120	45	23	49	67	1	1	4	0	28	18	26	47	77	68	47	4
28 Other diseases of the respiratory system	64	32	23	7	2	2	2				1	5	2	7	16	16	8	4	3
29 Pertussis	69	18	22	3	1	21	22	2	3	4	3	1	2	1	3	2	1	3	
30 Appendicitis and enteritis	30	17	14	2	3	1	1				1	1	1	1	1	1	1	1	
31 Diseases of the liver and biliary passages	100	97	64	2	5	1	1				3	7	10	18	43	46	27	0	
32 Other diseases of the digestive system	216	127	70	10	0	4	9	1	1	4	12	13	17	27	91	103	106	102	25
33 Nephritis	627	273	203	32	29	1	2	4	4	4	12	13	17	27	91	103	106	102	25
34 Other diseases of the urinary and genital systems	97	67	15	6	7	1	1				5	2	2	0	6	10	40	15	1
35 Puerperal infection	11		8	3							3	2							
36 Other diseases of pregnancy, childbirth, and puerperium	18		16		2						1	4	9						
37 Diseases of the skin, cellular tissue, bones, and cartilages	223	9	8	3	8	4					1	2	3	1	1	4	8	1	
38 Congenital malformations and deformities, prematurity, and diseases peculiar to the fetus	223	9	8	3	8	4					1	2	3	1	1	4	8	1	
39 Stillbirth	352	168	110	95	30	94	892												
40 Sudden infant death	66	25	33	1	1														
41 Stillbirth, old age	53	74	39	1	1														
42 Hemiplegia	30	8	1		14	3	1				8	7	11	13	21	13	3		
43 Automobile accidents (all motor-driven road vehicles)	111	73	21	15	2						6	4	10	20	16	12	8		
44 Other violent or accidental deaths (suicide, homicide, and automobile accidents excepted)	381	103	133	38	17	20	42	9	9	13	13	34	8	20	48	54	57	60	0
45 Causes of death ill-defined, unknown, or unspecified	9	3	5	1	2	1					2	1			5	2			

Estimated Population, 824,848.

Total Resident Deaths, 10,174.

Rate per 1,000 Population, 12.3.

TABULATION OF DEATHS IN EAST ORANGE CITY FOR 1948, ACCORDING TO THE ABRIDGED INTERNATIONAL LIST OF CAUSES OF DEATH

Abridged International Last Number	CAUSE OF DEATH	All Deaths		Colored		Age Periods															
		White		Male		Female		Under 5 years	5 to 9	10 to 14	15 to 19	20 to 29	30 to 39	40 to 44	45 to 49	50 to 59	60 to 69	70 to 79	80 to 89	90 and Over	Unknown
		Male	Female	Male	Female	Male	Female														
	ALL CAUSES	941		409	459	307	38	81	6	2	6	17	32	25	42	127	226	247	137	24	
1	Typhoid and paratyphoid fevers																				
2	Typhus																				
3	Scarlet fever																				
4	Whooping cough																				
5	Diphtheria																				
6	All other diseases of the respiratory system	16	6	8	3	4		1	1	0	6	1	4	3							
7	All other diseases of tuberculosis	1																			
8	Malaria	9	1	5	5			1	1	1	3	1	2						2	1	
9	Syphilis	0																			
10	Influenza	4	2	3	5																
11	Measles	2																			
12	Scarlet fever	3	2	1																	
13	Typhus fever	14																			
14	Other infectious or parasitic diseases	154	30	98	4	2		1	4	12	31	41	39	17							
15	Cancer and other malignant tumors																				
16	Benign neoplasms or tumors of unspecified nature																				
17	Chronic rheumatism and gout	11	1	5																	
18	Diabetes mellitus	29	9	19	1																
19	Alcoholism or acute alcoholic diseases	20																			
20	Arteriosclerosis or chronic diseases of the blood, and chronic poisoning	10	2	6	2			1	1												
21	Meningitis (nonmeningococcal) and diseases of the spinal cord	1																			
22	Intracranial lesions of vascular origin	94	32	57	1	5															

23	Other diseases of the nervous system and sense organs of the head	7	4	2																		
24	Diseases of the heart	182	159	7	14			1	1	1	1	1	1	1	2	2	2	3	10	60	10	
25	Other diseases of the circulatory system	11	9	5	1																	
26	Bronchitis	30	20	13	2	4		1														
27	Pneumonia and bronchopneumonia	38	20	13	2	4		1														
28	Other diseases of the respiratory system	5	1	4																		
29	Diarrhea	5	4																			
30	Appendicitis	5	4																			
31	Diseases of the liver and biliary passages	11	7	4																		
32	Diseases of the genitourinary system	19	11	6	2																	
33	Other diseases of the digestive system	62	22	33	3	4																
34	Other diseases of the urinary and genital systems	9	7	2																		
35	Functional infection	1																				
36	Other diseases of pregnancy, childbirth, and the puerperium	1																				
37	Diseases of the skin, cellular tissue, bones, and organs of movement	2																				
38	Congenital malformations and debility, premature birth, and diseases peculiar to the first year of life	23	12	6	1	3	22	22														
39	Senility, old age	10	9	1	1																	
40	Suicide	10	9	1	1																	
41	Accidents (all motor-driven road vehicles)	8	7	1	2																	
42	Accidents (other than motor-driven road vehicles)	10	9	1	1																	
43	Other violent or accidental deaths (suicide, homicide, and automobile accidents excepted)	28	12	16	1	2		1	1	1	1	1	1	1	1	1	1	1	1	1		
44	Causes of death ill-defined, unknown, or unspecified	2			1																	

Population (1940 Census), 68,948.

Total Resident Deaths, 941.

Rate per 1,000 Population, 13.6.

TABULATION OF DEATHS IN IRVINGTON FOR 1948, ACCORDING TO THE ABRIDGED INTERNATIONAL LIST OF CAUSES OF DEATH

Abridged International List Number	CAUSE OF DEATH	All Deaths		White		Colored		Age Periods															
		Male	Female	Male	Female	Male	Female	Under 1 year	Under 5 years	5 to 9	10 to 14	15 to 19	20 to 29	30 to 39	40 to 44	45 to 49	50 to 59	60 to 69	70 to 79	80 to 89	90 and Over	Unknown	
		273	252	273	252	2	2	24	27	8	5	6	14	20	12	32	90	136	123	88	61	8	
1	ALL CAUSES	571	262	273	252	2	2	24	27	8	5	6	14	20	12	32	90	136	123	88	61	8	
2	Typhoid and paratyphoid fevers	1	1	1	1																		
3	Plague	2	2	2	2																		
4	Scarlet fever	1	1	1	1																		
5	Diphtheria	1	1	1	1																		
6	Whooping cough	1	1	1	1																		
7	Tuberculosis of the respiratory system	10	9	1	1																		
8	All other forms of tuberculosis	1	1	1	1																		
9	Syphilis	1	1	1	1																		
10	Sarcoma	3	3	3	3																		
11	Leukemia	4	4	4	4																		
12	Smallpox	1	1	1	1																		
13	Meningitis	1	1	1	1																		
14	Other infectious or parasitic diseases	1	1	1	1																		
15	Cancer and other malignant tumors	79	38	41	38																		
16	Nonmalignant tumors or tumors of unspecified nature	4	1	3	1																		
17	Gonorrhea, syphilis, and gonor- rhea	1	1	1	1																		
18	Diabetes mellitus and gout	20	4	16	4																		
19	Chronic or acute alcoholism	11	4	7	4																		
20	Arteriosclerosis, other general diseases, diseases of the heart, and other diseases of the circulatory system	11	4	7	4																		
21	Measles (communicable) and diseases of the spinal cord	3	1	2	1																		
22	Intracranial lesions of vascular origin	40	21	25	21																		
23	Other diseases of the nervous system and sense organs	22	11	11	10																		
24	Diseases of the heart	13	9	4	4																		
25	Other diseases of the circulatory system	5	3	2	2																		
26	Bronchitis	14	7	7	7																		
27	Asthma and bronchopneumonia	1	1	1	1																		
28	Other diseases of the respiratory system	1	1	1	1																		
29	Diarrhea and enteritis	2	2	2	2																		
30	Appendicitis	14	10	4	4																		
31	Diseases of the liver and biliary passages	12	8	4	4																		
32	Other diseases of the digestive system	38	19	22	19																		
33	Neuritis	1	1	1	1																		
34	Other diseases of the urinary and genital systems	1	1	1	1																		
35	Furuncul infection	1	1	1	1																		
36	Other diseases of pregnancy, childbirth, and the puerperium	1	1	1	1																		
37	Diseases of the skin, cellular tissue, bones, and organs of movement	1	1	1	1																		
38	Congenital malformations and debility pre- maturely acquired	20	12	11	11																		
39	Senility, old age	3	3	3	3																		
40	Stroke	7	3	4	3																		
41	Heart failure	1	1	1	1																		
42	Automobile accidents (all motor-driven road vehicles)	5	3	1	1																		
43	Other violent or accidental deaths (suicide, homicide, and automobile accidents excepted)	14	8	6	6																		
44	Other deaths (ill-defined, unknown, or unspecified)	1	1	1	1																		

Population (1940 Census), 56,928. Total Resident Deaths, 571. Rate per 1,000 Population, 10.3.



TABULATION OF DEATHS IN NEWARK FOR 1948, ACCORDING TO THE ABRIDGED INTERNATIONAL LIST OF CAUSES OF DEATH

Abridged International List Number	CAUSE OF DEATH	All Deaths		White		Colored		Age Periods														
		Male		Female		Male		Female		Under 5 years												
		Male	Female	Male	Female	Under 1 year	1 to 5 years	5 to 9	10 to 14	15 to 19	20 to 29	30 to 39	40 to 44	45 to 49	50 to 59	60 to 69	70 to 79	80 to 89	90 and Over			
	ALL CAUSES	5599	2753	2056	444	350	278	338	19	84	59	187	398	240	398	1081	1241	1121	508	62	Unknown	
1	Typhoid and paratyphoid fevers	2	2																			
2	Hague																					
3	Scarlet fever																					
4	Whooping cough																					
5	Diphtheria																					
6	Influenza of the respiratory system	310	144	64	62	60	1	1	4	15	61	58	35	20	67	85	113	1				
7	Allergic diseases (excl. eczema)	30	7	3	9	9			2	6	5	2										
8	Measles	69	31	11	18	9						7	7	5	27	18	3					
9	Malaria											4	2		4	5	5	0				
10	Influenza	3	13	14	3	3	5	1														
11	Smallpox																					
12	Dysentery																					
13	Typhus fever																					
14	Other infectious or parasitic diseases	49	10	11	12	7	3	0	2	2	5	12	4	1	4	1	3					
15	Cancer and other malignant tumors	673	339	291	15	23	1	1	1	1	1	6	10	21	73	102	171	141	33	4		
16	Nonmalignant tumors or tumors of unspecified origin																					
17	Chronic rheumatism and gout																					
18	Diabetes mellitus																					
19	Chronic or acute alcoholism																					
20	Chronic or acute drug addiction																					
21	Other diseases of the blood, and chronic poisonings	294	64	126	3	11	3	1	1	1	4	4	13	40	78	48	6					
22	Menigitis (nonmeningococcal) and diseases of the spinal cord																					
23	Intracranial lesions of vascular origin	77	40	29	2	6	8	14	2	3	4	0	4	8	4	13	7	10	2			
24	Other diseases of the nervous system and sense organs	13	6	6	1	2	2	2	1	1	2	4	7	11	21	62	107	100	48	4		
25	Diseases of the heart	41	21	15	1	4	4	4	1	2	2	7	7	2	5	3	4	4				
26	Other diseases of the circulatory system	2011	1083	738	121	95	4	2	3	8	22	31	12	61	123	409	518	532	254	28		
27	Bronchitis	127	75	44	4	4	2	2	1	1	2	4	0	1	1	10	23	40	20	5		
28	Pneumonia and bronchopneumonia	243	122	71	32	18	32	43	1	2	5	8	15	10	31	40	30	23	1			
29	Other diseases of the respiratory system	38	19	9	5	2	1	1	1	1	1	1	1	2	4	13	8	6	2			
30	Diarrhea and enteritis	37	21	12	3	1	5	1								2	2	1	1			
31	Appendicitis	37	21	12	3	1	5	1								2	2	1	1			
32	Diseases of the liver and biliary passages	98	35	38	2	3	1	0							8	12	31	15	4			
33	Nephritis	120	69	37	8	6	2	0							10	9	33	23	13	5		
34	Other diseases of the urinary and genital systems	280	150	123	18	10	1	2	2	8	6	11	10	20	33	72	73	30	3			
35	Puerperal infection	54	39	7	0	6	1	1							1	2	4	3	10	21	8	
36	Other infectious diseases of the perineum and the puerperium	0	0																			
37	Diseases of the skin, cellular tissue, bones, and organs of movement	15	6	5	1	3	1	2	1	1	1	1	1	1	1	1	1	1	1			
38	Congenital malformations and debility, prematurity, and diseases peculiar to the first year of life	101	60	59	20	10	180	101														
39	Senility, old age	35	15	17	2	1																
40	Suicide	46	26	18	1	1																
41	Automobile accidents (all motor-driven road vehicles)	27	46	15	12	1																
42	Other violent or accidental deaths (suicide, homicide, and automobile accidents excepted)	33	12	11	4	4	4	2	8	4	2	7	14	11	10	7						
43	Causes of death undetermined, unknown, or unspecified	235	123	68	31	18	9	20	4	6	11	7	20	7	17	39	38	34	24	2		
44	Unknown	4	1	2		1		1							1	1						

Population (1940 Census), 429,766.

Total Resident Deaths, 5,399.

Rate per 1,000 Population, 18.0.

TABULATION OF DEATHS IN CLOVEMETER COUNTY FOR 1946, ACCORDING TO THE ABRIDGED INTERNATIONAL LIST OF CAUSES OF DEATH

Abridged International List Number	CAUSE OF DEATH	All Deaths		White		Colored		Age Periods																						
				Male		Female																								
		506	427	383	46	49	67	78	0	5	11	15	20	25	30	35	40	44	45	50	55	60	65	70	75	80	85	90 and Over	UNKNOWN	
1	Typhoid and paratyphoid fevers																													
2	Typhus fever																													
3	Scarlet fever																													
4	Whooping cough																													
5	Diphtheria																													
6	Tuberculosis of the respiratory system																													
7	All other forms of tuberculosis																													
8	Malaria																													
9	Septicemia																													
10	Stomatitis																													
11	Measles																													
12	Scarlet fever																													
13	Other infectious or parasitic diseases																													
14	Other infectious or parasitic diseases																													
15	Other infectious or parasitic diseases																													
16	Nonmalignant tumors or tumors of unspecified nature																													
17	Chronic rheumatism and gout																													
18	Chronic or acute alcoholism																													
19	Chronic or acute alcoholism																													
20	Avitaminoses, other general diseases, diseases of the blood, and chronic poisonings																													
21	Septicemia (meningococcal) and diseases of meningitis (meningococcal) and diseases of intracranial lesions of vascular origin																													
22	Intracranial lesions of vascular origin																													

Abridged International List Number	CAUSE OF DEATH	All Deaths		White		Colored		Age Periods																						
				Male		Female																								
		10	141	111	6	11	2	2	1	1	1	1	2	2	6	7	10	10	10	10	10	10	10	10	10	10	10	10	10	
23	Other diseases of the nervous system and sense organs																													
24	Diseases of the heart																													
25	Diseases of the circulatory system																													
26	Bronchitis and bronchopneumonia																													
27	Pneumonia and bronchopneumonia																													
28	Other diseases of the respiratory system																													
29	Diarrhea and enteritis																													
30	Diseases of the liver and biliary passages																													
31	Diseases of the liver and biliary passages																													
32	Other diseases of the digestive system																													
33	Nephritis																													
34	Other diseases of the urinary and genital organs																													
35	Puerperal infection																													
36	Other diseases of pregnancy, childbirth, and the puerperium																													
37	Diseases of the skin, cellular tissue, bones, and joints																													
38	Conceit malformations and deformities																													
39	Year of life																													
40	Senility, old age																													
41	Homicide																													
42	Automobile accidents (all motor-driven vehicles)																													
43	Other violent or accidental deaths (suicide, homicide, and automobile accidents excepted)																													
44	Causes of death (suicide, homicide, unknown, or unspecified)																													

Estimated Population, 74,793. Total Resident Deaths, 906. Rate per 1,000 Population, 12.1.

TABULATION OF DEATHS IN HUDSON COUNTY FOR 1948, ACCORDING TO THE ABRIDGED INTERNATIONAL LIST OF CAUSES OF DEATH

Abridged International List Number	CAUSE OF DEATH	All Deaths		Cohort		Age Periods											90 and Over	Unknown	
		White		Colored		Age Periods													
		Male	Female	Male	Female	Under 1 year	Under 5 years	5 to 9	10 to 14	15 to 19	20 to 29	30 to 39	40 to 44	45 to 49	50 to 59	60 to 69			70 to 79
1	ALL CAUSES	7740	3889	148	119	309	474	44	41	77	211	353	307	405	1439	1708	1077	744	80
1	Typhoid and paratyphoid fever	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Diphtheria	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	Scarlet fever	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Whooping cough	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Measles	3	1	2	2	2	3	1	1	1	1	1	1	1	1	1	1	1	1
6	Scarlet fever	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Whooping cough	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Diphtheria	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	All other forms of tuberculosis	13	10	3	2	1	3	1	1	1	3	3	3	3	7	29	2	1	1
10	Malaria	62	80	13	8	2	1	1	1	2	2	6	5	6	23	10	5	3	3
11	Syphilis	32	14	18	1	1	1	1	1	1	1	1	1	1	7	4	8	3	3
12	Scabies	1	8	4	1	4	1	2	1	2	1	1	1	1	1	1	1	1	1
13	Typhus fever	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	Other infectious or parasitic diseases	37	23	13	1	1	2	3	2	5	4	2	3	4	17	8	2	2	7
15	Neoplasms and other malignant tumors	1042	529	463	12	8	1	3	2	2	11	38	45	82	231	269	238	73	7
16	Natural causes of death, unspecified nature	43	13	20	1	1	1	1	1	1	1	1	1	1	6	10	7	5	5
17	Chronic rheumatism and gout	4	1	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	Diabetes mellitus	250	70	174	6	6	2	1	1	3	4	8	38	94	70	11	1	1	1
19	Alcoholism	12	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	Alzheimer's and other general diseases of the brain	70	53	43	1	2	3	6	4	5	8	11	4	10	8	11	10	2	2
21	Meningitis (meningococcal) and diseases of the spinal cord	25	14	13	0	0	2	3	1	2	1	3	1	2	6	4	2	2	4
22	Intracranial lesions of vascular origin	916	393	359	6	6	1	1	1	2	1	10	13	30	129	169	180	70	4

23	Other diseases of the nervous system and sense organs	55	26	1	1	2	6	2	2	3	9	9	3	4	9	5	5	5	5
24	Diseases of the heart	2079	1022	42	49	1	1	5	8	8	37	82	64	181	569	709	793	401	38
25	Other diseases of the circulatory system	142	67	4	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	Pneumonia and bronchopneumonia	860	215	11	15	45	71	2	1	6	13	13	15	30	60	62	65	30	6
27	Other diseases of the respiratory system	44	27	10	1	20	81	1	2	1	3	1	1	1	1	1	1	1	1
28	Diarrhea and enteritis	40	26	19	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
29	Appendicitis	13	7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
30	Other diseases of the digestive system	45	27	17	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1
31	Other diseases of the urinary and genital systems	124	85	45	2	2	6	6	8	1	4	3	19	3	18	32	33	23	5
32	Nephritis	339	151	174	5	0	2	3	1	4	5	19	20	16	48	70	91	48	7
33	Other diseases of the urinary and genital systems	91	41	17	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1
34	Systemic infection	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35	Other diseases of pregnancy, childbirth, and the puerperium	15	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36	Diseases of the skin, cellular tissue, bones, and joints	17	5	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37	Concussional malformations and disability, premature birth, and diseases peculiar to the first year of life	288	102	12	3	281	288	0	0	0	0	0	0	0	0	0	0	0	0
38	Accidents (excluding deaths in motor vehicles)	67	45	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1
39	Year of life	44	9	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1
40	Subdural	17	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
41	Homicide	67	9	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1
42	Automobile accidents (all motor-driven road vehicles)	80	63	13	4	3	4	1	1	1	1	1	1	1	1	1	1	1	1
43	Other accidents (excluding deaths in motor vehicles)	307	109	97	0	2	6	20	11	9	21	24	24	24	37	55	41	23	7
44	Causes of death ill-defined, unknown, or unspecified	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Rate per 1,000 Population, 1940.

Total Resident Deaths, 7,740.

Estimated Population, 597,092.

TABULATION OF DEATHS IN BAYONNE FOR 1949, ACCORDING TO THE ABRIDGED INTERNATIONAL LIST OF CAUSES OF DEATH

Abridged International List Number	CAUSE OF DEATH	All Deaths		White		Colored		Age Periods											
		Male	Female	Male	Female	Male	Female	Under 5 years											
								Under 1 year	1 to 4 years	5 to 9	10 to 14	15 to 19	20 to 29	30 to 39	40 to 44	45 to 49	50 to 59	60 to 69	70 to 79
	ALL CAUSES	765	400	382	12	12	48	4	11	20	41	10	62	168	164	149	51	2	Unknown
1	Typhoid and paratyphoid fevers	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2	Sepsis	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3	Scarlet fever	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
4	Whooping cough	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5	Diphtheria	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6	Subacute forms of the respiratory system	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
7	Subacute forms of tuberculosis	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
8	Malaria	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
9	Syphilis	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
10	Influenza	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
11	Scarlet fever	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
12	Sepsis	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
13	Typhus fever	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
14	Other infections or parasitic diseases	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
15	Cancer and other malignant tumors	121	64	60	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
16	Natural causes of death or unspecified	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
17	Chronic rheumatism and gout	28	7	21	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
18	Diabetes mellitus	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
19	Chronic or acute alcoholism	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
20	Other diseases of general character	14	7	7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
21	Menstrual disorders and diseases of the blood and of the genital system	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
22	Intracranial lesions of vascular origin	33	24	39	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

23	Other diseases of the nervous system and sense organs of the head	5	1	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
24	Other diseases of the circulatory system	147	106	132	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
25	Bronchitis	15	8	8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
26	Pneumonia and bronchopneumonia	47	28	18	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
27	Other diseases of the respiratory system	8	3	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
28	Other diseases of the circulatory system	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
29	Appendicitis	14	0	14	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
30	Other diseases of the digestive system	15	12	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
31	Other diseases of the urinary and genital systems	30	20	10	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
32	Other diseases of the urinary and genital systems	5	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
33	Pretermal infection	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
34	Other diseases of pregnancy, childbirth, and puerperium	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
35	Diseases of the skin, cellular tissue, bones, and cartilage	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
36	Congenital malformations and debility, premature birth, and diseases peculiar to the first year of life	24	7	17	8	1	24	24	24	24	24	24	24	24	24	24	24	24	24
37	Senility and age	10	6	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
38	Suicide	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
39	Automobile accidents (all motor-driven road vehicles)	6	5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
40	Homicide	32	26	6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
41	Other violent or accidental deaths (suicide, homicide, and automobile accidents excepted)	32	26	6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
42	Causes of death ill-defined, unknown, or unspecified	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

Population (1940 Census), 76,198.

Total Resident Deaths, 768.

Rate per 1,000 Population, 9.7

TABULATION OF DEATHS IN HOBOKEN FOR 1943, ACCORDING TO THE ABRIDGED INTERNATIONAL LIST OF CAUSES OF DEATH

Abridged International List Number	CAUSE OF DEATH	All Deaths		White		Colored		Age Periods														
		Male	Female	Male	Female	Male	Female	Under 1 year	Under 5 years	5 to 9	10 to 14	15 to 19	20 to 29	30 to 39	40 to 44	45 to 49	50 to 59	60 to 69	70 to 79	80 to 89	90 and Over	Unknown
1	ALL CAUSES	403	209	0	1	31	35	4	6	9	19	27	19	40	128	178	157	55	4			
2	Typhoid and paratyphoid fevers																					
3	Typhus fever																					
4	Scarlet fever																					
5	Diphtheria																					
6	Whooping cough																					
7	Diphtheria, of the respiratory system																					
8	All other forms of tuberculosis																					
9	Malaria																					
10	Syphilis																					
11	Infantile paralysis																					
12	Measles																					
13	Typhus fever																					
14	Other infectious or parasitic diseases																					
15	Neuritis and other malignant tumors																					
16	Neuritis and other malignant tumors, nature unspecified																					
17	Chronic rheumatism and gout																					
18	Diabetes mellitus																					
19	Diabetes mellitus, nature unspecified																					
20	Arteriosclerosis, other circulatory diseases of the blood, and chronic poisonings																					
21	Meningitis (nonmeningococcal) and diseases of the spinal cord																					
22	Intracranial lesions of vascular origin																					

23	Other diseases of the nervous system and sense organs of the head	1	1																			
24	Other diseases of the heart	170	112	2																		
25	Other diseases of the circulatory system	6	4																			
26	Bronchitis	1	1																			
27	Pneumonia and bronchopneumonia	33	11																			
28	Other diseases of the respiratory system	2	1																			
29	Other diseases of the circulatory system	4	1																			
30	Appendicitis	11	8																			
31	Diseases of the liver and biliary passages	20	13																			
32	Other diseases of the digestive system	1	1																			
33	Other diseases of the urinary and genital systems	6	4																			
34	Other diseases of the urinary and genital systems	4	2																			
35	Puerperal infection	3																				
36	Other diseases of pregnancy, childbirth, and puerperium	1																				
37	Diseases of the skin, cellular tissue, bones, and organs of movement	28	17	0																		
38	Congenital malformations and debility, premature birth, and diseases peculiar to the first year of life	6	4	2																		
39	Senility, old age	1	1																			
40	Suicide	1	1																			
41	Homicide	6	1	1																		
42	Automobile accidents (all motor-driven road vehicles)	8	6	1																		
43	Other violent or accidental deaths (suicide, homicide, and automobile accidents excepted)	38	26	9	2	1	1	1	1	2	5	8	6	4	6	6	3	1				
44	Causes of death ill-defined, unknown, or unspecified																					

Population (1940 Census), 50,115.

Total Resident Deaths, 681.

Rate per 1,000 Population, 13.6.

TABULATION OF DEATHS IN JERSEY CITY FOR 1948, ACCORDING TO THE ABRIDGED INTERNATIONAL LIST OF CAUSES OF DEATH

Abridged International Last Number	CAUSE OF DEATH	All Deaths		White		Colored		Age Periods													
		Male	Female	Male	Female	Under 1 year	Under 5 years	5 to 9	10 to 14	15 to 19	20 to 24	30 to 39	40 to 44	45 to 49	50 to 59	60 to 69	70 to 79	80 to 89	90 and Over	Unknown	
																					3747
1	ALL CAUSES .....																				
2	Typhoid and paratyphoid fevers .....																				
3	Septic fever .....																				
4	Whooping cough .....																				
5	Diphtheria .....																				
6	Tuberculosis of the respiratory system .....	176	102	48	7	1	1	6	38	18	5	40	18	5	1						
7	Other forms of tuberculosis .....	8	6	1	1	1	2	1	2	2	2	4	14	5	3	2					
8	Measles .....	34	25	6	7	1	2	1	2	2	2	4	14	5	3	2					
9	Syphilis .....																				
10	Infuenza .....																				
11	Scarlet fever .....																				
12	Dysentery .....																				
13	Typhus fever .....																				
14	Other infectious or parasitic diseases .....	14	11	6	1	1	1	1	1	1	1	10	10	86	110	153	117	82	2		
15	Cancer and other malignant tumors .....	4083	257	232	11	8	1	1	1	1	1	1	1	4	6	4					
16	Nonmalignant tumors or tumors of unspecified origin .....	16	5	10	1																
17	Chronic rheumatism and gout .....	106	27	75	6																
18	Diabetes mellitus .....	33	31																		
19	Chronic or acute alcoholism .....	33	12	18	3	2	1	1	3	2	5	1	6	4	5	4	1				
20	Other chronic diseases, diseases of the blood, diseases of the respiratory system, and diseases of the spinal cord .....	14	8	9	1	2	1	1	1	1	1	2	10	12	6	2	2				
21	Meningitis (nonmeningococcal) and diseases of the spinal cord .....	288	117	169	0	6															
22	Intracranial lesions of vascular origin .....																				

23	Other diseases of the nervous system and sense organs .....	30	14	13	1	2	1	5	1	1	1	2	1	3	3	3	9			
24	Diseases of the heart .....	1487	750	626	39	45														
25	Other diseases of the circulatory system .....	71	40	35	2															
26	Bronchitis and bronchopneumonia .....	214	138	80	10	11	81	48	1	1	1	1	1	1	1	1	1	1	1	
27	Other diseases of the respiratory system .....	19	12	6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
28	Pneumonia and enteritis .....	58	8	5	1	15	15	2	1	1	1	1	1	1	1	1	1	1	1	
29	Appendicitis .....	62	52	8	1															
30	Diseases of the liver and biliary passages .....	68	34	27	1															
31	Other diseases of the digestive system .....	63	40	20	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	
32	Other diseases of the digestive system .....	148	57	80	5	6	1	1	1	1	1	1	1	1	1	1	1	1	1	
33	Other diseases of the urinary and genital systems .....	27	10	9	2															
34	Puerperal infection .....	4																		
35	Other diseases of pregnancy, childbirth, and puerperium .....	4																		
36	Diseases of the skin, cellular tissue, bones, and cartilages .....	6	3	8																
37	Diseases of the eye .....																			
38	Congenital malformations and debility, prematurity of life, and diseases peculiar to the first year of life .....	148	95	53	9	2	144	148												
39	Senility, old age .....	25	20	5	2	1														
40	Suicide .....	10	5	2	2	1														
41	Accidental deaths (all motor-driven road vehicles) .....	38	39	5	3															
42	Other violent or accidental deaths (suicide, homicide, and automobile accidents excepted) .....	140	88	45	6	1	6	13	6	7	10	9	7	14	25	22	11	1		
43	Causes of death ill-defined, unknown, or unspecified .....	2	2																	

Population (1940 Census), 301,175. Total Resident Deaths, 5,747. Rate per 1,000 Population, 12.4.

TABULATION OF DEATHS IN UNION CITY FOR 1948, ACCORDING TO THE ABRIDGED INTERNATIONAL LIST OF CAUSES OF DEATH

Abridged International List Number	CAUSE OF DEATH	All Deaths		White		Colored		Age Periods															
		Male	Female	Male	Female	Male	Female	Under 1 year	Under 5 years	5 to 9	10 to 14	15 to 19	20 to 29	30 to 39	40 to 44	45 to 49	50 to 59	60 to 69	70 to 79	80 to 89	90 and Over	Unknown	
																							759
1	ALL CAUSES	759	849	31	37	4	1	4	18	32	34	38	128	173	178	101	11						
2	Typhoid and paratyphoid fevers																						
3	Dysentery																						
4	Whooping cough																						
5	Diphtheria																						
6	Tuberculosis of the respiratory system	23	17	6	1	1	5	9	2	5	4	1											
7	All other forms of tuberculosis	2	1	1	1																		
8	Scarlet fever																						
9	Shingles	5	4	1																			
10	Influenza																						
11	Smallpox																						
12	Measles																						
13	Scarlet fever																						
14	Other infections or parasitic diseases	101	40	32	1	1	3	9	8	9	16	31	2										
15	Cancer and other malignant tumors																						
16	Nonmalignant tumors or tumors of unspecified nature																						
17	Chorea, rheumatism and gout	5	5																				
18	Diabetes mellitus and diabetes	14	10	3	1																		
19	Chronic or acute alcoholism	36	10	30																			
20	Asthma, other general diseases, diseases of the heart, and diseases of the circulatory system	2	2																				
21	Menigitis (nonmeningococcal) and diseases of the spinal cord	3	2	1																			
22	Intracranial lesions of vascular origin	70	34	36																			

23	Other diseases of the nervous system and sense organs of the heart	6	3	3																			
24	Other diseases of the circulatory system	310	179	131																			
25	Bronchitis and bronchopneumonia	11	2	9																			
26	Pneumonia	2	1	1																			
27	Other diseases of the respiratory system	36	22	13																			
28	Diarrhea and enteritis	8	3	5																			
29	Dysentery	2	1	1																			
30	Appendicitis	7	3	2																			
31	Diseases of the liver and biliary passages	12	6	6																			
32	Diseases of the digestive system	14	10	8																			
33	Nephritis	34	19	16																			
34	Other diseases of the urinary and genital systems	0	4	2																			
35	Puerperal infection	1	1	1																			
36	Other diseases of pregnancy, childbirth, and the puerperium	1	1	1																			
37	Diseases of the skin, cellular tissue, bones, and organs of movement	1	1	1																			
38	Congenital malformations and disability, prematurity, and diseases peculiar to the first year of life	23	14	9																			
39	Senility, old age	0	1	1																			
40	Suicide	6	1	2																			
41	Automobile accidents (all motor-driven road vehicles)	7	6	1																			
42	Other violent or accidental deaths (suicide, homicide, and automobile accidents excepted)	18	4	1																			
43	Death ill-defined, unknown, or unspecified																						
44	Unspecified																						

Population (1940 Census), 56,173. Total Resident Deaths, 799. Rate per 1,000 Population, 13.5.

DEPARTMENT OF HEALTH

TABULATION OF DEATHS IN HUNTERDON COUNTY FOR 1948, ACCORDING TO THE ABRIDGED INTERNATIONAL LIST OF CAUSES OF DEATH

Abridged International List Number	All Deaths	White		Colored		Age Periods																		
		Male		Female		Male		Female		Under 5 years		5 to 9	10 to 14	15 to 19	20 to 29	30 to 39	40 to 44	45 to 49	50 to 59	60 to 69	70 to 79	80 to 89	90 and Over	Unknown
		289	227	6	2	21	22	1	2	2	5	18	12	13	60	123	101	09	21	...				
1 Typhoid and paratyphoid fevers	624	289	227	6	2	21	22	1	2	2	5	18	12	13	60	123	101	09	21	...	...	...	...	...
2 Erysipelas	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 Scarlet fever	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 Whooping cough	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 Diphtheria	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 Tuberculosis of the respiratory system	11	9	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 All other forms of tuberculosis	8	7	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 Malaria	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 Syphilis	6	4	2	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 Influenza	4	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Measles	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 Mumps	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 Typhus fever	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 Other infectious or parasitic diseases	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 Cancer and other malignant tumors	69	32	37	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 Nonmalignant tumors or tumors of unspecified origin	10	7	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 Chronic rheumatism and gout	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 Diabetes mellitus	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19 Chronic or acute alcoholism	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 All causes of other general diseases, diseases of the circulatory system, poisoning, and diseases of the spinal cord	12	8	4	2	2	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 Meningitis (communicable)	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 Intracranial lesions of vascular origin	47	26	21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

24 Other diseases of the nervous system and sense organs of the head	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 Diseases of the heart	162	103	59	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26 Other diseases of the circulatory system	10	12	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27 Bronchitis and bronchopneumonia	21	12	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28 Other diseases of the respiratory system	6	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29 Tuberculosis of the alimentary tract	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30 Appendicitis	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31 Diseases of the liver and biliary passages	16	6	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
32 Other diseases of the digestive system	9	8	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33 Nephritis	37	16	21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
34 Diseases of the urinary and genital systems	11	9	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35 Puerperal infection	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36 Other diseases of pregnancy, childbirth, and the puerperium	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37 Diseases of the skin, cellular tissue, bones and cartilages	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
38 Congenital malformations and debility, premature birth, and diseases peculiar to the first year of life	0	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39 Suicide, all age	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40 Suicide, all sex	8	6	2	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
41 Homicide	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
42 Automobile accidents (all motor-driven road vehicles)	7	6	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
43 Other violent or accidental deaths (suicide, homicide, and automobile accidents excepted)	20	13	8	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44 Causes of death ill-defined, unknown, or unspecified	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Estimated Population, 84,246.

Total Resident Deaths, 524.

Rate per 1,000 Population, 15.8.



TABULATION OF DEATHS IN MEROER COUNTY FOR 1948, ACCORDING TO THE ABRIDGED INTERNATIONAL LIST OF CAUSES OF DEATH

Abridged International List Number	CAUSE OF DEATH	All Deaths		White		Colored		Age Periods															
		Male	Female	Male	Female	Male	Female	Under 1 year	Under 5 years	5 to 9	10 to 14	15 to 19	20 to 29	30 to 39	40 to 44	45 to 49	50 to 59	60 to 69	70 to 79	80 to 89	90 and Over	Unknown	
		1181	1500	98	201	222	15	27	00	104	78	127	307	477	480	271	38						
1	Typhoid and paratyphoid fevers	222	1181	98	201	222	15	27	00	104	78	127	307	477	480	271	38						
2	Scarlet fever	0	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3	Whooping cough	0	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
4	Diphtheria	0	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5	Tuberculosis of the respiratory system	114	70	83	9	2	1	2	4	14	15	5	10	35	14	10	1						
6	Other forms of tuberculosis	5	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
7	Malaria	26	14	3	5	6	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8	Syphilis	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
9	Smallpox	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
10	Indiana	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
11	Typhus fever	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
12	Other infectious or parasitic diseases	13	7	2	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
13	Cancer and other malignant tumors	982	121	146	8	7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
14	Nonmalignant tumors of unspecified	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
15	Chronic rheumatism and gout	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
16	Diphtheria mellitus	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
17	Chronic or acute alcoholism	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
18	Chronic or acute alcoholism	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
19	Chronic or acute alcoholism	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
20	Other diseases of the circulatory system	20	12	11	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
21	Menstrual (nonmenstrual) and diseases of the spinal cord	16	9	3	8	1	3	3	1	2	1	1	2	1	1	2	1	1	1	1	1	1	1
22	Intracranial lesions of vascular origin	103	76	103	6	8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

23	Other diseases of the nervous system and sense	14	0	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
24	Diseases of the heart	733	309	290	24	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
25	Other diseases of the circulatory system	80	37	30	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
26	Bronchitis	7	5	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
27	Emphysema and asthmalike conditions	113	54	48	6	5	30	34	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
28	Other forms of tuberculosis	20	12	12	2	1	22	22	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
29	Diarrhea and enteritis	0	6	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
30	Appendicitis	29	15	18	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
31	Diseases of the liver and biliary passages	45	23	10	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
32	Other diseases of the digestive system	130	98	42	16	6	3	6	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
33	Nephritis	20	14	5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
34	Other diseases of the urinary and genital systems	5	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
35	Puerperal infection	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
36	Other puerperium	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
37	Diseases of the skin, cellular tissue, bones, and organs of movement	9	3	5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
38	Congenital malformations and debility, premature birth, and diseases peculiar to the first years of life	126	68	41	5	0	120	123	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
39	Senility, old age	15	13	6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
40	Suicide	8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
41	Homicide	20	10	7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
42	Automobile accidents (all motor-driven road vehicles and other motor vehicles)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
43	Other violent or accidental deaths (suicide, homicide, and automobile accidents excepted)	91	58	28	3	2	8	7	1	8	2	4	7	4	4	12	12	10	18	2			
44	Causes of death ill-defined, unknown, or unspecified	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

Estimated Population, 196,424.

Total Resident Deaths, 4,928.

Rate per 1,000 Population, 11.8.

TABULATION OF DEATHS IN TRENTON FOR 1948, ACCORDING TO THE ABRIDGED INTERNATIONAL LIST OF CAUSES OF DEATH

Abridged International List Number	CAUSE OF DEATH	All Deaths		White		Colored		Age Periods																
		Male	Female	Male	Female	Male	Female	Under 1 year	Under 5 years	5 to 9	10 to 14	15 to 19	20 to 29	30 to 39	40 to 44	45 to 49	50 to 59	60 to 69	70 to 79	80 to 89	90 and Over	Unknown		
1	All causes	1242	612	64	67	1239	144	8	11	10	52	74	84	283	312	327	136	18						
2	Typhoid and paratyphoid fevers	1	1																					
3	Typhoid	1	1																					
4	Scarlet fever	3	2																					
5	Whooping cough	1	1																					
6	Diphtheria	1	1																					
7	Infectious mononucleosis	92	27	7	23	1	1	4	12	13	5	11	81	10	6									
8	All other forms of infectious mononucleosis	4	2																					
9	Malaria	22	11	3	4	4	4	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	
10	Syphilis	13	6	2	8	1	1																	
11	Smallpox	1	1																					
12	Measles	1	1																					
13	Typhus fever	9	5	1	3	4	4																	
14	Other infectious or parasitic diseases	174	78	88	4	4	4	1	11	7	14	44	44	44	44	44	44	44	44	44	44	44	44	
15	Other infectious or parasitic diseases, nature unspecified	15	6	7	2	1	1																	
16	Chronic rheumatism and gout	6	2	4																				
17	Diabetes mellitus	31	14	34	5	5	5	1	2	10	21	18	4											
18	Other diseases of the circulatory system	0	1	1																				
19	Coronary atherosclerosis	0	1	1																				
20	Arteriosclerosis, other general diseases of the blood, and chronic poisonings	14	4	7	3	8	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
21	Meningitis (nonmeningococcal) and diseases of the spinal cord	12	7	2	2	1	2	1	2	1	2	1	1	2	1	1	1	1	1	1	1	1	1	1
22	Intracranial lesions of vascular origin	122	40	69	5	5	5	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1

23	Other diseases of the nervous system and sense organs	48	20	13	10	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
24	Diseases of the heart	355	230	33	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
25	Other diseases of the circulatory system	4	1	28																				
26	Bronchitis	85	40	35	5	21	24	1	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	
27	Pneumonia and bronchopneumonia	10	8	5	1	13	13	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
28	Diarrhea and enteritis	14	5	9																				
29	Appendicitis	23	11	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
30	Diseases of the liver and biliary passages	33	16	14	5	5	5	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
31	Diseases of the digestive system	90	45	31	0	5	5	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
32	Neuritis (nonmeningococcal) and diseases of systems	14	10	4																				
33	Neuritis	3	3	2																				
34	Other diseases of the urinary and genital systems	4	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
35	Impurification of pregnancy, childbirth, and the puerperium	4	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
36	Diseases of the skin, cellular tissue, bones, and cartilages	6	3	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
37	Diseases of the skin, cellular tissue, bones, and cartilages, nature unspecified	6	3	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
38	Congenital malformations and debility, prematurity, and diseases peculiar to the first year of life	70	41	28	4	74	70																	
39	Senility, old age	10	5	2	1	1	1																	
40	Suicide	3	2																					
41	Accidents (all motor-driven road vehicles)	14	11	3																				
42	Accidents (all motor-driven road vehicles), nature unspecified	10	5	2																				
43	Other violent or accidental deaths (suicide, homicide, and automobile accidents excepted)	54	37	16	1	1	4	6	2	3	4	3	3	3	3	3	3	3	3	3	3	3	3	
44	Unspecified																							

Population (1940 Census), 124,607.

Total Resident Deaths, 1,542.

Rate per 1,000 Population, 12.4.

TABLE OF DEATHS IN MIDDLESEX COUNTY FOR 1948, ACCORDING TO THE ABRIDGED INTERNATIONAL LIST OF CAUSES OF DEATH

Abridged International List Number	CAUSE OF DEATH	All Deaths		Colored		Age Periods											90 and Over			
		White		Male	Female	Under 1 Year	5 to 9	10 to 14	15 to 19	20 to 29	30 to 39	40 to 44	45 to 49	50 to 59	60 to 69	70 to 79		80 to 89		
		Male	Female																	
2348	ALL CAUSES	1278	970	60	40	147	181	8	17	22	51	123	85	125	440	405	409	287	83	
1	Typhoid and paratyphoid fevers	2	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Scarlet fever	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	Whooping cough	2	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Diphtheria	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	All causes of the respiratory system	90	54	27	6	3	1	1	1	1	5	10	2	0	24	14	9	1	1	1
6	All causes of tuberculosis	10	4	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
7	Malaria	15	11	7	4	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8	Syphilis	17	10	7	10	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
9	Influenza	13	7	6	6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
10	Measles	13	7	6	6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
11	Typhus fever	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	Other infectious or parasitic diseases	329	178	140	5	6	1	1	2	1	2	3	2	1	11	1	1	1	1	1
13	Other infectious or parasitic diseases	11	5	5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
14	Cancer and other malignant tumors	56	17	39	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
15	Natural causes of tumors of unspecified nature	7	6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
16	Chronic rheumatism and gout	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	Diabetes mellitus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	Alcoholism	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	Accidents due to alcoholism	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	Avitaminosis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	Diseases of the blood, and chronic poisonings	33	14	19	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
22	Meningitis (nonmeningococcal) and diseases of the spinal cord	9	5	8	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
23	Intracranial lesions of vascular origin	228	113	105	4	6	1	1	1	1	2	7	2	1	9	47	51	66	33	6

24	Other diseases of the nervous system and sense organs	10	6	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
25	Diseases of the heart	785	420	265	13	9	1	1	1	1	1	1	1	1	1	1	1	1	1	1
26	Other diseases of the circulatory system	35	23	17	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
27	Bronchitis	106	56	46	6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
28	Pneumonia and bronchopneumonia	11	9	5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
29	Diarrhea and enteritis	10	9	5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
30	Appendicitis	58	4	27	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
31	Diseases of the liver and biliary passages	55	32	22	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
32	Diseases of the digestive system	128	62	66	2	4	2	5	2	8	1	2	3	4	17	11	15	3	4	4
33	Other diseases of the digestive system	20	15	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
34	Other diseases of the urinary and genital systems	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
35	Puerperal infection	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36	Other diseases of pregnancy, childbirth, and the puerperium	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37	Diseases of the skin, cellular tissue, bones and cartilages	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
38	Organs of movement	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39	Congenital malformations and debility, prematurity	140	56	47	5	2	108	110	1	1	1	1	1	1	1	1	1	1	1	1
40	Year of life and diseases peculiar to the first year of life	10	10	10	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
41	Senility, old age	25	17	8	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
42	Other diseases of the circulatory system	5	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
43	Automobile accidents (all motor-driven road vehicles)	41	34	5	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
44	Other violent or accidental deaths (suicide, homicide, and automobile accidents excepted)	117	74	40	8	4	14	1	0	2	0	15	4	6	10	12	10	11	0	0
45	Causes of death ill-defined, unknown, or unspecified	4	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

Estimated Population, 224,139.

Total Resident Deaths, 2,848.

Rate per 1,000 Population, 10.6.

TABULATION OF DEATHS IN MONMOUTH COUNTY FOR 1948, ACCORDING TO THE ABRIDGED INTERNATIONAL LIST OF CAUSES OF DEATH

Abridged International List Number	CAUSE OF DEATH	White		Colored		Age Periods											30 and Over	Unknown		
		Male		Female		Age Periods														
		Male	Female	Male	Female	Under 1 year	Under 5 years	5 to 9	10 to 14	15 to 19	20 to 29	30 to 39	40 to 44	45 to 49	50 to 59	60 to 69			70 to 79	80 to 89
2406	ALL CAUSES	1106	1008	146	149	119	182	8	18	18	41	84	80	114	300	542	594	859	60	
1	Typhoid and paratyphoid fevers	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2	Plague	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3	Typhoid fever	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
4	Widal fever	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5	Scarlet fever	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6	Diphtheria	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
7	Tuberculosis of the respiratory system	27	10	10	9	6	14	5	7	10	5	7	10	5	7	10	5	7	10	5
8	All other forms of tuberculosis	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
9	Scarlet fever	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
10	Syphilis	28	14	6	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
11	Indian malarial fever	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
12	Measles	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
13	Scarlet fever	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
14	Other infectious or parasitic diseases	24	12	4	2	5	8	2	2	5	8	2	2	5	8	2	2	5	8	2
15	Cancer and other malignant tumors	272	115	133	13	14	1	1	1	1	1	1	1	1	1	1	1	1	1	1
16	Nonmalignant tumors or tumors of unspecified nature	4	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
17	Chronic rheumatism and gonorrhea	5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
18	Diabetes mellitus	0	18	36	2	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1
19	Chronic or acute alcoholism	4	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
20	Avitaminosis, other general diseases, diseases of the circulatory system, and diseases of the respiratory system	29	11	14	1	3	2	4	1	3	6	1	1	1	7	3	2	2	2	2
21	Meningitis (meningococcal) and diseases of the spinal cord	6	5	2	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1
22	Intracranial lesions of vascular origin	212	72	111	6	20	1	2	1	1	1	1	1	1	1	1	1	1	1	1

23	Other diseases of the nervous system and sense organs	12	6	8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
24	Diseases of the heart	928	460	368	42	8	8	1	1	1	1	1	1	1	1	1	1	1	1	1
25	Other diseases of the circulatory system	50	29	20	3	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1
26	Bronchitis	0	8	4	10	7	7	2	1	1	1	1	1	1	1	1	1	1	1	1
27	Pneumonia and influenza	104	45	59	10	7	7	2	1	1	1	1	1	1	1	1	1	1	1	1
28	Diseases of the respiratory system	24	11	0	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1
29	Diarrhea and enteritis	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
30	Appendicitis	11	8	3	4	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1
31	Diseases of the liver and biliary passages	18	9	9	2	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1
32	Other diseases of the digestive system	81	39	42	2	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1
33	Nephritis	139	60	68	8	5	1	1	1	1	1	1	1	1	1	1	1	1	1	1
34	Other diseases of the urinary and genital systems	25	17	8	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1
35	Puerperal infection	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
36	Other diseases of the genital system, childhood, and the puerperium	3	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
37	Diseases of the skin, cellular tissue, bones, and organs of movement	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
38	Congenital malformations and disability in the first year of life	32	41	38	7	6	91	92	1	1	1	1	1	1	1	1	1	1	1	1
39	Senility, old age	36	18	17	2	1	3	3	1	1	1	1	1	1	1	1	1	1	1	1
40	Suicide	10	2	8	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
41	Homicide	6	2	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
42	Accidents (all motor-driven road vehicles)	32	19	7	6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
43	Other violent or accidental deaths (suicide, homicide, and automobile accidents excepted)	114	50	52	8	4	6	8	2	6	8	2	2	2	2	2	2	2	2	2
44	Unspecified	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

Estimated Population, 172,054. Total Resident Deaths, 2,408. Rate per 1,000 Population, 14.0.

TABULATION OF DEATHS IN MORRIS COUNTY FOR 1948, ACCORDING TO THE ABRIDGED INTERNATIONAL LIST OF CAUSES OF DEATH

Abridged International List Number	CAUSE OF DEATH	All Deaths		White		Colored		Age Periods														
		Male	Female	Male	Female	Male	Female	Under 1 year	Under 5 years	5 to 9	10 to 14	15 to 19	20 to 29	30 to 39	40 to 44	45 to 49	50 to 59	60 to 69	70 to 79	80 to 89	90 and Over	Unknown
	ALL CAUSES	1468	693	23	17	70	80	7	6	10	17	55	83	98	212	307	372	240	40			
1	Typhoid and paratyphoid fever	1	1																			
2	Typhus fever	1																				
3	Scarlet fever	1																				
4	Whooping cough	1																				
5	Diphtheria	1																				
6	Influenza of the respiratory system	41	27	11	2	1	2				3	12	5	9	0	8	1	1				
7	All other forms of tuberculosis	17	14	2	1																	
8	Malaria	15	8	4	2																	
9	Syphilis	8	0	3	1																	
10	Chancroid	1	1																			
11	Strep throat	1																				
12	Meningitis	1																				
13	Typhus fever	7	3	4																		
14	Other infections or parasitic diseases	197	80	106	1																	
15	Cancer and other malignant tumors	107	63	44	1																	
16	Cancer and other malignant tumors unspecified nature	7	3	2	2																	
17	Chronic rheumatism and gout	1																				
18	Diabetes mellitus	47	19	20																		
19	Other diseases of the circulatory system	1																				
20	All other diseases other general diseases	17	0	10																		
21	Measles (nonmeningococcal) and diseases of the spinal cord	4	2	2																		
22	Intra-cranial lesions of vascular origin	132	48	80	3																	

23	Other diseases of the nervous system and sense organs of the heart	11	5	6																			
24	Other diseases of the circulatory system	500	280	218	4																		
25	Bronchitis and bronchopneumonia	73	84	59	2																		
26	Pneumonia and bronchopneumonia	44	23	21	3																		
27	Other diseases of the respiratory system	8	5	2	1																		
28	Appendicitis	4	2	2																			
29	Diseases of the liver and biliary passages	5	3	2																			
30	Other diseases of the digestive system	25	11	14																			
31	Other diseases of the urinary and genital systems	34	23	11																			
32	Other diseases of pregnancy, childbirth, and puerperal infection	100	30	39	1																		
33	Other diseases of the skin, cellular tissues, bones, and organs of movement	18	10	2																			
34	Diseases of the skin, cellular tissues, bones, and organs of movement	1		1																			
35	Congenital malformations and debility, premature birth, and diseases peculiar to the first year of life	2																					
36	Senility, old age	54	30	21	2																		
37	Suicide	14	8	6																			
38	Accidents (all motor-driven road vehicles)	1	1	1																			
39	Other violent or accidental deaths (suicide, homicide, and automobile accidents excepted)	12	10	2																			
40	Other violent or accidental deaths (suicide, homicide, and automobile accidents excepted)	58	33	20	5																		
41	Death ill-defined, unknown, or unspecified	1																					

Estimated Population, 127,550. Total Resident Deaths, 1,468. Rate per 1,000 Population, 11.5.

TABULATION OF DEATHS IN OCEAN COUNTY FOR 1948, ACCORDING TO THE ABRIDGED INTERNATIONAL LIST OF CAUSES OF DEATH

Abridged International List Number	CAUSE OF DEATH	All Deaths		White		Colored		Age Periods										90 and Over				
		Male	Female	Male	Female	Male	Female	Under 1 year	Under 5 years	5 to 9	10 to 14	15 to 19	20 to 29	30 to 39	40 to 44	45 to 49	50 to 59		60 to 69	70 to 79	80 to 89	90 and Over
1	ALL CAUSES	630	349	283	15	13	30	31	3	8	2	28	19	10	23	83	136	176	88	37		
2	Typhoid and paratyphoid fevers	1	1	1																		
3	Diphtheria	1	1	1																		
4	Whooping cough	1	1	1																		
5	Scarlet fever	1	1	1																		
6	Diphtheria	1	1	1																		
7	Infections of the respiratory system	28	14	8	4	2	1	1				6	6	3	1	2	3	1				
8	All other	2	1	1																		
9	Malaria	1	1	1																		
10	Syphilis	0	0	0																		
11	Indiense	8	5	3																		
12	Measles	1	1	1																		
13	Typhus fever	1	1	1																		
14	Other infectious or parasitic diseases	15	3	2																		
15	Cancer and other malignant tumors	60	48	40	1	1	1	1														
16	Benign neoplasms of tumors of unspecified nature	2	2	2																		
17	Chronic rheumatism and gout	1	1	1																		
18	Diabetes mellitus	18	8	15																		
19	Alcoholism	1	1	1																		
20	Atyphus and other general diseases of the blood, and chronic poisonings	4	2	1	1	1	1	1														
21	Meningitis (nonmeningococcal) and diseases of the spinal cord	1	1	1																		
22	Intracranial lesions of vascular origin	62	28	31	2	4																

23	Other diseases of the nervous system and sense organs	3	1	2																	
24	Diseases of the heart	10	17	78	2	3															
25	Other diseases of the circulatory system	16	11	5																	
26	Ischemic heart disease	1	1	1																	
27	Pneumonia and bronchitis	1	13	10	1	2	2	2													
28	Other diseases of the respiratory system	3	1	1																	
29	Diarrhea and enteritis	1	1	1																	
30	Appendicitis	2	1	1																	
31	Other diseases of the liver and biliary passages	8	4	3	1	2															
32	Other diseases of the digestive system	11	5	4																	
33	Nephritis	12	24	18																	
34	Other diseases of the urinary and genital systems	42	24	18																	
35	Epilepsy	3	3	1																	
36	Other diseases of pregnancy, childbirth, and the puerperium	1	1	1																	
37	Diseases of the skin, cellular tissue, bones, and organs of movement	1	1	1																	
38	Causes of death due to instability, premature birth, and disease prior to the first year of life	24	14	10			24	24													
39	Senility, old age	1	1	1																	
40	Accidents	5	8	2																	
41	Fire	1	1	1																	
42	Automobile accidents (all motor-vehicles and vehicles)	16	10	8																	
43	Other violent or accidental deaths (suicide, homicide, and automobile accidents excepted)	33	28	10																	
44	Causes of death classified, unknown, or unspecified																				

Estimated Population, 87,068.

Total Resident Deaths, 630.

Rate per 1,000 Population, 77.0.

TABULATION OF DEATHS IN FABSAIO COUNTY FOR 1943, ACCORDING TO THE ABRIDGED INTERNATIONAL LIST OF CAUSES OF DEATH

Abridged International Last Number	CAUSE OF DEATH	All Deaths		White		Colored		Age Periods														
		Male	Female	Male	Female	Male	Female	Under 1 year	Under 5 years	5 to 9	10 to 14	15 to 19	20 to 29	30 to 39	40 to 44	45 to 49	50 to 59	60 to 69	70 to 79	80 to 89	90 and Over	Unknown
		1767	1672	62	60	212	289	18	19	24	84	138	118	106	625	787	818	432	83			
1	ALL CAUSES	3051	1767	1672	62	60	212	289	18	19	24	84	138	118	106	625	787	818	432	83		
1	Typhoid and paratyphoid fevers	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2	Scarlet fever	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3	Diphtheria	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
4	Whooping cough	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5	Measles	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6	Tuberculosis of the respiratory system	108	65	29	11	8	15	22	11	11	25	11	11	25	11	3	11	4	1			
7	Other forms of tuberculosis	10	6	3	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1			
8	Malaria	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
9	Syphilis	22	12	7	5	8	5	5	4	1	5	7	6	7	6	2	2	2	2			
10	Indianna	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
11	Smallpox	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
12	Scarlet fever	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
13	Typhus fever	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
14	Other infectious or parasitic diseases	25	18	4	4	4	8	8	4	8	8	4	8	8	4	8	8	4	8			
15	Cancer and other malignant tumors	439	219	239	2	2	1	8	18	16	84	110	106	118	87	5						
16	Nonmalignant tumors of unspecified	25	7	15	8	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
17	Chronic rheumatism and gout	146	85	105	1	1	3	1	5	4	20	63	80	9								
18	Diabetes mellitus	11	9	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
19	Diabetes or acute alcoholism	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
20	Chronic or acute alcoholism	64	80	81	1	2	5	8	1	2	2	8	5	4	14	12	6	4				
21	Avitaminosis, other general diseases, diseases of the eye, ear, nose, throat, and other organs of the head, and other diseases of the spinal cord	6	8	8	4	6	1	1	1	1	1	1	1	1	1	1	1	1	1			
22	Intracranial lesions of vascular origin	823	183	190	4	6	1	1	1	1	1	1	1	1	1	1	1	1	1			

23	Other diseases of the nervous system and sense organs	23	14	9	9	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
24	Diseases of the heart	1171	631	521	12	7	1	1	1	1	1	1	1	1	1	1	1	1	1			
25	Other diseases of the circulatory system	173	62	69	2	1	2	1	1	1	1	1	1	1	1	1	1	1	1			
26	Bronchitis	150	80	74	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
27	Other pneumonia and bronchopneumonia	21	14	16	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
28	Diarrhea and enteritis	31	14	16	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
29	Appendicitis	12	4	6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
30	Diseases of the liver and biliary passages	31	14	16	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
31	Other diseases of the digestive system	81	39	33	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
32	Nephritis	184	82	98	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
33	Other diseases of the urinary and genital systems	31	24	6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
34	Pneumonia	3	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
35	Other diseases of pregnancy, childbirth, and the puerperium	6	5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
36	Diseases of the skin, cellular tissue, bones, and joints	7	4	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
37	Diseases of the eye, ear, nose, and throat	131	61	62	5	8	128	100	1	1	1	1	1	1	1	1	1	1	1			
38	Congenital malformations and deformities	20	10	10	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
39	Senility, old age	4	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
40	Suicide	37	28	9	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
41	Accidents (all motor-driven road vehicles)	191	60	56	1	5	7	4	3	4	0	0	0	0	0	0	0	0	0			
42	Other violent or accidental deaths (suicide, homicide, and automobile accidents excepted)	5	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
43	Chases or deaths of unknown, unknown, or unspecified	5	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			

Estimated Population, 226,622. Total Resident Deaths, 8,851. Rate per 1,000 Population, 12.1.

TABULATION OF DEATHS IN PASADIC CITY FOR 1943, ACCORDING TO THE ABRIDGED INTERNATIONAL LIST OF CAUSES OF DEATH

Abridged International List Number	CAUSE OF DEATH	All Deaths		White		Colored		Age Periods														
		Male	Female	Male	Female	Male	Female	Under 1 Year	Under 5 years	5 to 9	10 to 14	15 to 19	20 to 29	30 to 39	40 to 44	45 to 49	50 to 59	60 to 69	70 to 79	80 to 89	90 and Over	Unknown
1	ALL CAUSES	625	319	284	13	9	35	42	5	8	4	17	27	23	34	137	140	117	62	14	14	
2	Typhoid and paratyphoid fevers	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3	Vague	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
4	Vague	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5	Vague	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6	Diphtheria	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
7	Tuberculosis of the respiratory system	20	20	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8	All other forms of tuberculosis	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
9	Syphilis	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
10	Indiense	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
11	Smallpox	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
12	Measles	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
13	Opium fever	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
14	Other diseases of communicable diseases	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
15	Cancer and other malignant tumors	30	31	30	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
16	Nonmalignant tumors or tumors of unspecified nature	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
17	Chronic rheumatism and gout	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
18	Diabetic mellitus	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
19	Chronic or acute alcoholism	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
20	Avitaminoses, other general diseases, diseases of the blood, and chronic poisonings	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
21	Meningitis (meningeococcal) and diseases of the spinal cord	14	10	2	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
22	Intracranial lesions of vascular origin	40	22	25	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2

23	Other diseases of the nervous system and sense organs of the heart	5	9	6	2	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2
24	Other diseases of the circulatory system	178	95	72	24	24	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2
25	Bronchitis	23	9	14	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
26	Pneumonia and bronchopneumonia	38	15	20	2	1	10	13	1	1	1	1	1	1	1	1	1	1	1	1	1	1
27	Other diseases of the respiratory system	4	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
28	Appendicitis	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
29	Diseases of the liver and biliary passages	14	9	5	4	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
30	Other diseases of the digestive system	32	19	13	4	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
31	Other diseases of the urinary and genital systems	33	20	13	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
32	Puerperal infection	7	5	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
33	Other diseases of pregnancy, childbirth, and the puerperium	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
34	Diseases of the cellular tissue, bones, and organs of movement	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
35	Congenital malformations and debility	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
36	Birth, and diseases peculiar to the first year of life	10	8	10	1	1	10	19	1	1	1	1	1	1	1	1	1	1	1	1	1	1
37	Senility, old age	7	2	5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
38	Homicide	40	27	13	3	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
39	Accidental deaths (suicide, homicide, and death ill-defined)	12	9	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
40	Other causes of accidental deaths (suicide, homicide, and death ill-defined)	7	7	7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
41	Causes of death ill-defined, unknown, or unspecified	23	0	14	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
42	Unknown	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

Population (1940 Census), 61,394.

Total Resident Deaths, 632.

Rate per 1,000 Population, 10.2.



TABULATION OF DEATHS IN PATERSON FOR 1943, ACCORDING TO THE ABRIDGED INTERNATIONAL LIST OF CAUSES OF DEATH

Abridged International List Number	CAUSE OF DEATH	All Deaths				White		Colored		Age Periods													
		Male		Female		Male		Female		Under 1 Year	Under 5 Years	5 to 9	10 to 14	15 to 19	20 to 29	30 to 39	40 to 44	45 to 49	50 to 59	60 to 69	70 to 79	80 to 89	90 and Over
		1820	884	538	45	88	118	10	5	10	5	10	5	10	5	10	65	01	108	287	421	413	235
1	ALL CAUSES	1820	884	538	45	88	118	10	5	10	5	10	5	10	65	01	108	287	421	413	235	20	Unknown
1	Typhoid and paratyphoid fevers	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2	Scarlet fever	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3	Diphtheria	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
4	Whooping cough	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5	Diphtheria	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6	Tuberculosis of the respiratory system	50	35	12	9	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
7	Meningitis	5	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8	All other forms of tuberculosis	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
9	Syphilis	16	6	4	4	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
10	Indurium	11	8	6	4	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
11	Smallpox	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
12	Measles	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
13	Scarlet fever	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
14	Other infectious or parasitic diseases	13	6	4	4	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
15	Cancer and other malignant tumors	221	95	122	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
16	Nonmalignant tumors or tumors of unspecified nature	11	2	7	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
17	Chorea	3	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
18	Diabetes mellitus	7	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
19	Chronic or acute alcoholism	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
20	Avitaminosis, other general diseases, diseases of the blood, and chronic poisonings	5	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
21	Meningoencephalitis and diseases of the spinal cord	30	15	18	2	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
22	Intracranial lesions of vascular origin	190	75	118	2	5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

23	Other diseases of the nervous system and sense organs	10	5	5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
24	Diseases of the heart	628	37	208	10	6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
25	Other diseases of the circulatory system	78	27	31	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
26	Pneumonia and bronchopneumonia	76	36	35	5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
27	Other diseases of the respiratory system	9	5	8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
28	Burriel and enteritis	6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
29	Appendicitis	6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
30	Diseases of the liver and biliary passages	35	21	11	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
31	Other diseases of the digestive system	40	20	22	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
32	Nephritis	80	35	44	4	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
33	Other diseases of the urinary and genital systems	13	11	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
34	Diseases of the puerperium, pregnancy, childbirth, and the puerperium	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
35	Diseases of the skin, cellular tissue, bones, and cartilage	4	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
36	Organic or inorganic	4	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
37	Birth, and diseases peculiar to the first year of life	56	24	28	4	2	54	55	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
38	Senility, old age	18	15	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
39	Intoxication	4	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
40	Automobile accidents (all motor-driven road vehicles)	20	14	6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
41	Other violent or accidental deaths (suicide, homicide, and automobile accidents excepted)	72	41	26	4	1	4	5	1	2	4	5	1	2	4	5	1	2	4	5	1	2	4
42	Cause of death ill-defined, unknown, or unspecified	4	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

Population (1940 Census), 139,038.

Total Resident Deaths, 1,822.

Rate per 1,000 Population, 13.1.

TABULATION OF DEATHS IN SALEM COUNTY FOR 1943, ACCORDING TO THE ABRIDGED INTERNATIONAL LIST OF CAUSES OF DEATH

Abridged International List Number	CAUSE OF DEATH	All Deaths		White		Colored		Age Periods															
		Male	Female	Male	Female	Male	Female	Under 1 year	Under 5 years	5 to 9	10 to 14	15 to 19	20 to 29	30 to 39	40 to 44	45 to 49	50 to 59	60 to 69	70 to 79	80 to 89	90 and Over	Unknown	
1	ALL CAUSES	507	170	44	39	47	58	2	2	2	2	8	13	23	10	23	82	102	90	70	18		
2	Typhoid and paratyphoid fevers	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
3	Scarlet fever	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
4	Whooping cough	5	1	2	3	3	5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
5	Diphtheria	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
6	Tuberculosis of the respiratory system	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
7	Other forms of tuberculosis	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
8	Malnutrition	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
9	Syphilis	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
10	Influenza	18	3	8	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
11	Smallpox	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
12	Measles	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
13	Typhus fever	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
14	Other infectious or parasitic diseases	59	30	24	2	8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
15	Cancer and other malignant tumors	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
16	Nonmalignant tumors or tumors of unspecified	15	5	5	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
17	Cerebrovascular disease and gout	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
18	Diabetes mellitus	15	5	5	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
19	Chronic or acute alcoholism	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
20	Arteriosclerosis, other general diseases, diseases	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	
21	Measles (nonmeningococcal) and diseases of	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
22	the spinal cord	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
23	Intracranial lesions of vascular origin	40	18	4	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

23	Other diseases of the nervous system and sense organs	6	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
24	Diseases of the heart	144	30	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
25	Other diseases of the circulatory system	18	4	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
26	Influenza and bronchitis	6	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
27	Pneumonia and bronchopneumonia	24	10	4	1	0	14	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
28	Other diseases of the respiratory system	7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
29	Diarrhea and enteritis	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
30	Appendicitis	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
31	Other diseases of the liver and biliary passages	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
32	Other diseases of the digestive system	9	5	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
33	Nephritis	37	17	6	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
34	Other diseases of the urinary and genital systems	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
35	Other diseases of the urinary and genital systems	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
36	Other diseases of the urinary and genital systems	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
37	the pericardium, pregnancy, childbirth, and	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
38	Diseases of the skin, cellular tissue, bones, and	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
39	organs of movement	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
40	Causes of unknown origin and disability, premature birth and diseases peculiar to the first	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
41	year of life	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
42	Sexual diseases	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
43	Accidents (all motor-driven road vehicles)	36	11	3	5	26	20	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
44	Other violent or accidental deaths (suicide, homicide and automobile accidents excepted)	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
45	Causes each ill-defined, unknown, or unspecified	27	10	7	5	1	5	1	2	3	3	1	2	3	3	1	1	2	3	5	1	1	

Estimated Population, 42,099.

Total Resident Deaths, 807.

Rate per 1,000 Population, 11.9.

TABULATION OF DEATHS IN SOMERSET COUNTY FOR 1948, ACCORDING TO THE ABRIDGED INTERNATIONAL LIST OF CAUSES OF DEATH

Abridged International Cause of Death	All Deaths		White		Colored		Age Periods													
	Last Number	International	Male	Female	Male	Female	Under 1 year	Under 5 years	5 to 9	10 to 14	15 to 19	20 to 29	30 to 39	40 to 44	45 to 49	50 to 59	60 to 69	70 to 79	80 to 89	90 and Over
1 ALL CAUSES	788	421	350	13	12	37	47	4	5	10	28	20	34	118	170	211	95	27		
2 Typhoid and paratyphoid fevers	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3 Typhoid	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
4 Scarlet fever	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
5 Whooping cough	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
6 Tuberculosis of the respiratory system	26	17	10	1	1	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
7 All other forms of tuberculosis	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8 Malaria	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
9 Syphilis	6	5	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
10 Smallpox	6	5	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
11 Measles	12	8	7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
12 Typhus fever	4	3	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
13 Other infectious or parasitic diseases	104	48	40	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
14 Non-malignant tumors or tumors of unspecified nature	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
15 Chronic rheumatism and gout	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
16 Diabetes mellitus	2	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
17 Other diseases of the circulatory system	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
18 Avitaminoses, other general diseases, diseases of the blood, and chronic poisonings	6	2	4	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
19 Meningitis (nonmeningococcal) and diseases of the spinal cord	6	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
20 Intracranial lesions of vascular origin	70	33	43	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

23 Other diseases of the nervous system and sense organs	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
24 Diseases of the heart	245	143	99	6	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
25 Other diseases of the circulatory system	45	6	6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
26 Bronchitis	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
27 Pneumonia and bronchopneumonia	43	24	18	1	1	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
28 Other diseases of the respiratory system	5	1	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
29 Difteria	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
30 Appendicitis	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
31 Diseases of the liver and biliary passages	10	4	7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
32 Other diseases of the digestive system	13	10	20	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
33 Nephritis	67	28	29	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
34 Other diseases of the urinary and genital systems	14	10	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
35 Puerperal infection	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
36 Other diseases of pregnancy, childbirth, and the puerperium	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
37 Diseases of the skin, cellular tissue, bones, and joints	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
38 Congenital malformations and debility present at birth, and diseases peculiar to the first year of life	23	13	0	1	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
39 Suicide, old age	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
40 Suicide	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
41 Homicide	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
42 Automobile accidents (all motor-driven road vehicles)	10	9	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
43 Accidents or accidental deaths (suicide, homicide, automobile accidents, gunshot wounds, or deaths from fire, lightning, or unspecified causes)	36	23	13	1	2	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
44 Unspecified	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

Estimated Population, 98,661.

Total Resident Deaths, 788.

Rate per 1,000 Population, 11.5.

TABULATION OF DEATHS IN SUSSEX COUNTY FOR 1948, ACCORDING TO THE ABRIDGED INTERNATIONAL LIST OF CAUSES OF DEATH

Abridged International List Number	CAUSE OF DEATH	All Deaths		White		Colored		Age Periods														
		Male	Female	Male	Female	Male	Female	Under 1 Year	Under 5 Years	5 to 9	10 to 14	15 to 19	20 to 29	30 to 39	40 to 44	45 to 49	50 to 59	60 to 69	70 to 79	80 to 89	90 and Over	Unknown
										308	100	1	1	20	28	5	2	4	10	12	13	
1	Typhoid and paratyphoid fevers	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2	Typhoid fever	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3	Scarlet fever	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
4	Whooping cough	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5	Diphtheria	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6	Acute epiglottitis	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
7	Influenza of the respiratory system	9	4	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
8	Acute forms of tuberculosis	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
9	Malaria	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
10	Infestation	8	5	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
11	Smallpox	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
12	Measles	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
13	Typhus fever	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
14	Other infectious or parasitic diseases	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
15	Cancer and other malignant tumors	14	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	Nonmalignant tumors or tumors of unspecified origin	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
17	Chronic rheumatism and gout	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
18	Diabetes mellitus	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
19	Chronic or acute alcoholism	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
20	Arteriosclerosis, other general diseases, diseases of the circulatory system, and diseases of the spinal cord	7	8	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
21	Meningitis (nonmeningococcal) and diseases of the spinal cord	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
22	Intracranial lesions of vascular origin	37	10	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21

23	Other diseases of the nervous system and sense organs of the heart	7	8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
24	Other diseases of the heart	198	74	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02	02
25	Other diseases of the circulatory system	12	4	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
26	Ischemic heart disease	8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
27	Other diseases of the respiratory system	10	9	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
28	Other diseases of the respiratory system	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
29	Diarrhea and enteritis	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
30	Appendicitis	8	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
31	Diseases of the liver and biliary passages	9	2	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
32	Diseases of the digestive system	6	4	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
33	Nephritis (nephrotoxic) and diseases of the urinary and genital systems	20	9	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
34	Other diseases of the urinary and genital systems	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
35	Pteropteral infection	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
36	Other diseases of pregnancy, childbirth, and the puerperium	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
37	Diseases of the skin, cellular tissue, bones, and organs of movement	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
38	Concussional injuries and disability, poisoning, and diseases peculiar to the first year of life	17	0	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
39	Senility, old age	8	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
40	Suicide	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
41	Accidents (all motor-driven road vehicles)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
42	Accidents (all motor-driven road vehicles)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
43	Other violent or accidental deaths (suicide, homicide, and automobile accidents excepted)	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
44	Causes of death ill-defined, unknown, or unspecified	28	15	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9

Estimated Population, 32,283.

Total Resident Deaths, 898.

Rate per 1,000 Population, 12.2.



TABULATION OF DEATHS IN ELIZABETH FOR 1948, ACCORDING TO THE ABRIDGED INTERNATIONAL LIST OF CAUSES OF DEATH

Abridged International List Number	CAUSE OF DEATH	All Deaths		Colored		Age Periods										90 and Over	Unknown			
		White		Male	Female	Under 1 year	Under 5 years	5 to 9	10 to 14	15 to 19	20 to 29	30 to 39	40 to 44	45 to 49	50 to 59			60 to 69	70 to 79	80 to 89
		Male	Female																	
1	ALL CAUSES	1218	601	409	205	77	80	6	5	12	44	53	50	76	226	200	255	03	18	
2	Typhoid and paratyphoid fevers	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
3	Diphtheria	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
4	Scarlet fever	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
5	Whooping cough	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
6	Diphtheria	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
7	Tuberculosis of the respiratory system	37	20	12	4	1	8	5	6	1	1	.....	.....	.....	.....	.....	.....	.....	.....	
8	Other forms of tuberculosis	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
9	Malaria	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
10	Syphilis	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
11	Influenza	6	5	5	1	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
12	Smallpox	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
13	Typhus fever	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
14	Other infectious or parasitic diseases	6	5	5	1	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
15	Cancer and other malignant tumors	163	78	81	5	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
16	Nonmalignant tumors or tumors of unspecified nature	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
17	Chronic rheumatism and gout	7	2	5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
18	Diabetes mellitus and goiter	33	1	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
19	Chronic or acute alcoholism	33	11	19	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
20	Avitaminoses, other general diseases, diseases of the blood, and chronic poisonings	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
21	Myocardial (ischemic) and diseases of the spinal cord	13	7	5	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
22	Intracranial lesions of vascular origin	3	2	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	

23	Other diseases of the nervous system and sense organs	11	7	4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
24	Diseases of the heart	408	247	162	5	4	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
25	Other diseases of the circulatory system	39	18	16	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
26	Pneumonia and bronchopneumonia	68	35	28	5	3	12	14	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
27	Other diseases of the respiratory system	11	7	5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
28	Diarrhea and enteritis	8	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
29	Appendicitis	17	7	9	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
30	Diseases of the liver and biliary passages	21	12	9	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
31	Other diseases of the digestive system	24	16	8	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
32	Nephritis	50	25	22	1	2	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
33	Other diseases of the urinary and genital systems	16	11	5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
34	Septic infection	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
35	Other diseases of pregnancy, childbirth, and the puerperium	5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
36	Diseases of the skin, cuticular tissue, bones, and organs of movement	2	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
37	Congenital malformations and debility, prematurity, and diseases peculiar to the first year of life	60	30	25	3	4	60	60	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
38	Senility, old age	10	4	6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
39	Stroke	10	5	4	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
40	Other accidents (all motor-driven road vehicles)	2	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
41	Other violent or accidental deaths (suicide, homicide, and automobile accidents excepted)	18	13	4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
42	Causes of death ill-defined, unknown, or unspecified	64	36	21	8	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
43	Unspecified	4	2	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

Population (1946 Census), 100,912. Total Resident Deaths, 1,218. Rate per 1,000 Population, 11.1.

TABULATION OF DEATHS IN WARREN COUNTY FOR 1943, ACCORDING TO THE ABRIDGED INTERNATIONAL LIST OF CAUSES OF DEATH

Abridged International List Number	CAUSE OF DEATH	All Deaths		White		Colored		Age Periods														
				Male		Female		Male		Female												
		Male	Female	Male	Female	Male	Female	Under 1 year	Under 5 years	5 to 9	10 to 14	15 to 19	20 to 29	30 to 39	40 to 44	45 to 49	50 to 59	60 to 69	70 to 79	80 to 89	90 and Over	Unknown
002	ALL CAUSES	372	277	2	1	28	37	4	8	8	0	13	16	22	101	143	163	124	17			
1	Typhoid and paratyphoid fevers																					
2	Plague																					
3	Serick fever																					
4	Whooping cough																					
5	Diphtheria																					
6	Scarlet fever																					
7	All other forms of respiratory system	16	12	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8	Malaria	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
9	Syphilis	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
10	Scabies	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	Skin diseases	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	Measles	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	Typhus fever	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	Other infectious or parasitic diseases	88	43	45	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
15	Cancer and other malignant tumors	24	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
16	All other malignant tumors of unspecified nature	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
17	Chronic rheumatism and gout	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	Diabetes mellitus	6	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
19	Chronic or acute alcoholism	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	All other diseases of the circulatory system	7	3	4	1	4	1	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1
21	Menstrual diseases (nonsanguineous) and diseases of the spinal cord	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
22	Intracranial lesions of vascular origin	56	27	20	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2

23	Other diseases of the nervous system and sense organs	8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
24	Diseases of the heart	10	10	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
25	Other diseases of the circulatory system	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
26	Other diseases of the respiratory system	17	8	8	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
27	Diarrhea and enteritis	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
28	Appendicitis	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
29	Diseases of the liver and biliary passages	6	2	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
30	Diseases of the digestive system	17	10	7	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
31	Nephritis (nonsanguineous) and diseases of the urinary and genital systems	55	35	20	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
32	Puerperal infection	8	6	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
33	Other diseases of pregnancy, childbirth, and puerperium	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
34	Diseases of the skin, cellular tissue, bones, and cartilages	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
35	Congenital malformations and debility, premature birth, and diseases peculiar to the first year of life	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
36	Senility, old age	10	8	7	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
37	Suicide	8	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
38	Homicide	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39	Automobile accidents (all motor-driven road vehicles)	10	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
40	Other violent or accidental deaths (suicide, homicide, and automobile accidents excepted)	30	7	7	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
41	Causes of death III-defined, unknown, or unspecified	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

Estimated Population, 46,847.

Total Resident Deaths, 652.

Rate per 1,000 Population, 13.4.

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