A HALF CENTURY'S PROGRESS AGAINST TUBERCULOSIS IN NEW YORK CITY 1900-1950

By
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NEW YORK TUBERCULOSIS AND HEALTH ASSOCIATION 1952

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A review of historical developments in the campaign against tuberculosis in New York City, including selected information dealing with health conditions beginning in 1804 and covering the era prior to the consolidation in 1898 of the five boroughs into the City of Greater New York. Secondly, a summary of the statistics relating to the prevalence of tuberculosis between 1900 and 1950 with reference section of the annual records of registration of tuberculosis cases and deaths.

NEW YORK TUBERCULOSIS AND HEALTH ASSOCIATION

1952

Physicians, nurses, social workers,

public and private officials who labor

daily in the vineyard succoring the sick,

and relieving the anxiety of the needy,

this compendium which attempts

to measure their life-saving

work is humbly offered.



FOREWORD

THE Statistical Division of the New York Tuberculosis and Health Association receives throughout the year numerous calls for statistics dealing with tuberculosis and other health conditions in New York City. These enquiries come from physicians, health and social workers, educators representatives of the press, students as well as from the general public. It is obvious that in a large community like New York sources of information of this type are scattered and not always known to many. The detailed data in the present monograph have therefore been assembled to assist all interested in precise information on the subject.

This reference handbook has been prepared to make readily available the important record of tuberculosis in New York City during the first half of the present century. There have been added selected reports dealing briefly with general health conditions now and prior to the Twentieth Century, also a few recent statistics concerning the United States, the larger cities and the various states. These comparative data we hope will help the reader to appreciate better the significance and the relative importance of New York City's health conditions between 1900 and 1950.

The authors wish to express their sincere thanks first of all for the cordial and helpful assistance given them by the Department of Health of the City of New York, particularly the officials of the Bureau of Tuberculosis and of the Bureau of Records and Statistics, likewise the Population Division of the United States Bureau of the Census in making available basic reports.

Within the Association we are indebted to Mr. Thomas H. Darling and Mr. Julius F. Koch for their skillful assistance in the preparation of charts and maps included in this handbook, likewise to Mrs. Claire Turtz for the expert care taken in the difficult reproduction of the many statistical tables. The authors have also had the benefit of the long experience in social and health work of Mrs. K. Z. Whipple, who reviewed the entire manuscript.

The constant encouragement and support of Dr. Herbert R. Edwards, former Director of the Bureau of Tuberculosis of the Department of Health of the City of New York and now the Executive Director of the New York Tuberculosis and Health Association, has contributed greatly to the completion of this task.

GODIAS J. DROLET

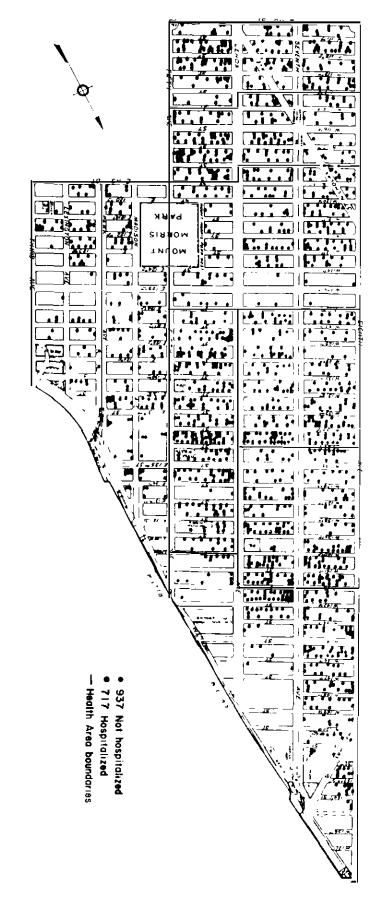
November, 1952

ANTHONY M. LOWELL



There are still "LUNG BLOCKS" riddled with tuberculosis in New York City.

TUBERCULOSIS CASES* - CENTRAL HARLEM



*1654 Known cases of tuberculasis registered with the Department of Health on June 1, 1951

"OLD NEW YORK", 1800-1900

OLD New York, it must be remembered, prior to 1898 included only the territory now described as the boroughs of Manhattan and of the Bronx. At the beginning of the previous century, namely in 1800, it had barely sixty-two thousand inhabitants. As a matter of fact, even in 1810 the population totalled 96,373 only; but by 1830 it had doubled, being then 202,589. Twenty years later, in 1850, the population was two and a half times as great, being well over a half a million (515,394).

From 1850 to 1870 New York's population multiplied again two and a half times; the city had then a million and a third (1,340,704) inhabitants. The next twenty years saw another million added; the Federal Census of 1890 accounted for 2,368,671 inhabitants.

Finally, at the close of the nineteenth century, New York City could beast of a population of three million and a half. But at that time there had been added onto the original territory the spacious boroughs of Brooklyn, Queens and Richmond.

A brief review of health conditions during the nineteenth century is needed if we are to appreciate the remarkably favorable conditions prevailing subsequently. As against a general death rate in New York of only 10 per thousand population nowadays, death rates two and three times as much were the rule formerly; during certain epidemics they rose almost to 50, particularly when cholera struck.

Sanitary knowledge in those days was exceedingly indefinite. Such diseases of childhood as diphtheria and scarlet fever were thought to be due "to climatic conditions, to fear, or to the will of God". Superstitious beliefs were prevalent, the germ theory of disease was unknown or those who did believe in germs held to the doctrine of spontaneous generation. While vaccination for smallpox was known, its popularity was hampered by defective and often contaminated application. Furthermore, the extremely rapid growth of population, especially in Manhattan, led to extreme over-crowding and an excessive spread of communicable diseases.

As quoted by Armstrong(1), from Stephen Smith's book, "The City that Was", it was said of conditions about 1860 that "New York gradually became the natural home of every variety of contagious disease, and the favorite resort of foreign pestilences. Smallpox, scarlet fever, measles, diphtheria were domestic pestilences with which the people were so familiar that they regarded them as necessary features of childhood. Malarial fevers...were regularly announced in the autumnal months as having appeared with their 'usual severity'. The 'White Plague' or consumption was the common inheritance of the poor and the rich alike.

"With the immigrant came typhus and typhoid fevers which resistlessly swept through the tenement houses decimating the poverty-stricken tenants. At intervals, the great oriental plague, Asiatic cholera. swooped down upon the city with fatal energy and gathered its enormous harvest of dead...Very few tenements had waterclosets in the houses; they had privies in the yard, which as a rule were insufficient for the accommodation of the numbers of people crowded into the houses; many were not connected with the sewers; they were seldom cleaned and often allowed to overflow...rendering the neighborhood offensive..."

Unique reports tabulated by Dowling of the City Inspector's repartment for the fifty years from 1804 to 1853, give a precise evaluation of mortality rates at the beginning of the nineteenth century. During the five-year period 1804-1808, when the city's population was slightly over 80,000, the general death rate was nearly 28 per thousand. Almost twenty-five percent of all the deaths was assigned to "consumption". The second leading cause of death in the terms of the day was "convulsions"; this was followed by cholera infantum, marasmus and atrophia. Some deaths were listed as due to odd causes. It is related for instance in 1805 that there had been 11 deaths due to "drinking cold water". In reports of a few years later only, there were listed deaths due "to furor of the womb"; others, as caused by rattlesnake bites; even "fright" was listed as cause of death. In the 1830's, many deaths were charged to "salivation". In those unsanitary days, it is not surprising likewise that many deaths were due to "worms".

An interesting and precise measurement of the mortality at that time was made by Mary Dalton(2), in 1934 from "The Returns of Death in the City of New York for the years, 1804, 1805, 1806, 1807 and 1808." Going carefully over the records she worked out that the expectancy of life at that time for those who had survived to age twenty was 29.8 years. The significance of that figure can be better understood when we see that nowadays the expectancy of life over and above that age for men is close to fifty years and for women exceeds even fifty-four years.

Child life in those days was exposed to extreme dangers; the infant mortality rate often reached from 240 to 250 per thousand births; in other words one child out of every four born was dead by the end of the first year.

Fifty years later, namely during the five-year period 1849-1853, the general death rate averaged even fifty percent higher, namely 39.7 per thousand population. Just at that time an epidemic of cholera along with smallpox and dysentery had smitten the population and caused an extreme loss of life. Even then, "consumption" still headed the death list, striking at a rate of 431 per hundred thousand population. Once more, the second leading cause of death was said to be due to "convulsions", followed this time by "cholera".

For the first time among the leading causes of death in 1850 mention of "heart disease" is made; but above it was "dropsy", whatevery may have been its causes. Deaths due to "apoplexy" also exceeded

Five-Year Period 1804-1808

Five-Year Period 1849-1853

	Annual Average			Annual A	verage
Cause of Death	Deaths	Rate*	Cause of Death	Deaths	Rate*
Consumption	438	550 °	Consumption	2322	431
Convulsions	188	236	Convulsions	1576	292
Cholera infantum	129	162	Cholera	1107	205
Marasmus, atrophia	124	156	Inflam. chest. lungs .	1077	200
Inflam. chest, lungs .	101	127	Marasmus, atrophia	1029	191
Croup	88	110	Dysentery	956	177
Dropsy	86	108	Cholera infantum	839	156
Casualties, violence .	79	99	Dropsy in head	801	149
Smallpox	79 74	93	Diarrhea	651	121
Typhus, typhoid	73	92	Apoplexy	552	102
Yellow fever	73 54	6g	Croup	476	88
Dysentery	43	54	Inflam. bowels, stomach	470	87
Worms	42	53	Smallpox	454	84
Whooping cough	36	45	Scarlet fever	454	84
Teething	36	45	Debility	432	80
Inflam. bowels	36 34	43	Inflam. brain		75
Sprue	26	33	Dropsy	321	60
Dropsy in head	23	29	Heart disease		48
Apoplexy	21	26	Measles		43
Palsy	19	24	Congest. lungs	219	41
Other causes	490	614	Other causes	6787	1258
All causes	2204	2767	All causes	21416	3972
Population 1806 = 79,653.			Population 1851 = 539.1	07.	
		_			

*Per 100,000. Based upon records of City Inspector's Department.

LEADING CAUSES OF DEATH, NEW YORK CITY (Manhattan, Bronx, Brooklyn, Queens, Richmond)

Five-Year Period 1900-1904

Five-Year Period 1945-1949

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	Anmial A	verage		Annual A	Average					
Cause of Death	Deaths	Rate*	Cause of Death	Deathst	Rate*					
Pneumonias	10222	279	Heart diseases	31034	399					
Tuberculosis	9396	256	Cancer	14560	187					
Diarrhea, enteritis	6204	169	Accidents	<u> 383</u> 6	49					
Nephritis, Bright's dis.	5634	154	Cerebral hemorrhage .	3665	47					
Heart diseases	4664	127	Dis. early infancy	3)1 02	1414					
Violence	4312	118	Diabetes	3398	孙					
Apoplexy	2521	69	Tuberculosis	3130	40					
Cancer	2504	68	Pneumonias	2889	37					
Diphtheria, croup	2120	58	Nephritis	2541	33 24					
Bronchitis	1768	48	Dis. liver.gallbladder	1842						
Senile debility	1029	28	Dis. arteries	1213	16					
Scarlet fever	830	23	Suicide	910	12					
Cirrhosis of liver	787	21	Ulcer, stomach, duodenum	663	9					
Typhoid fever	705	19	Syphilis	606	8					
Measles	676	18	Hernia, intest. obst	571	7					
Puerperal dis	673	18	Leukemias, aleukemias.	5 5 1	7					
Convulsions	644	18	Disease, prostate	418	5					
Influenza	509	14	Nonmalignant tumors .	346	1 4					
Cer. spi. mening	502	14	Homicide	3 ⁴ 5	4					
Alcoholism	474	13	Alcoholism	288	4					
Other causes	14952	411	Other causes	3629	47					
All causes	71126	1940	All causes	79837	1027					
				700						

Population 1902 = 3,665.825.

Population 1947 = 7,771,792.

*Per 100,000. †Classified according to 5th rev. Inter. List Causes of Death. Based upon reports, Bureau of Records and Statistics, Department of Health, City of New York.

those assigned to "heart disease".

We have to study the comparative mortality figures for the fiveyear period 1900-1904 to appreciate the changes that had occurred during the nineteenth century. During the five years just mentioned, the general death rate was now below 20, namely 19.4 per thousand population. For the first time we find tuberculosis stepping down to second place, being preceded by the pneumonias which were said to be responsible on an average annually for some 10,000 deaths, the mortality rate of the latter being 279 per hundred thousand population. We still find, however, as third leading cause of death, diarrhea and enteritis; then, nephritis and heart diseases.

Epidemics of a Former Day: Nineteenth Century Plagues

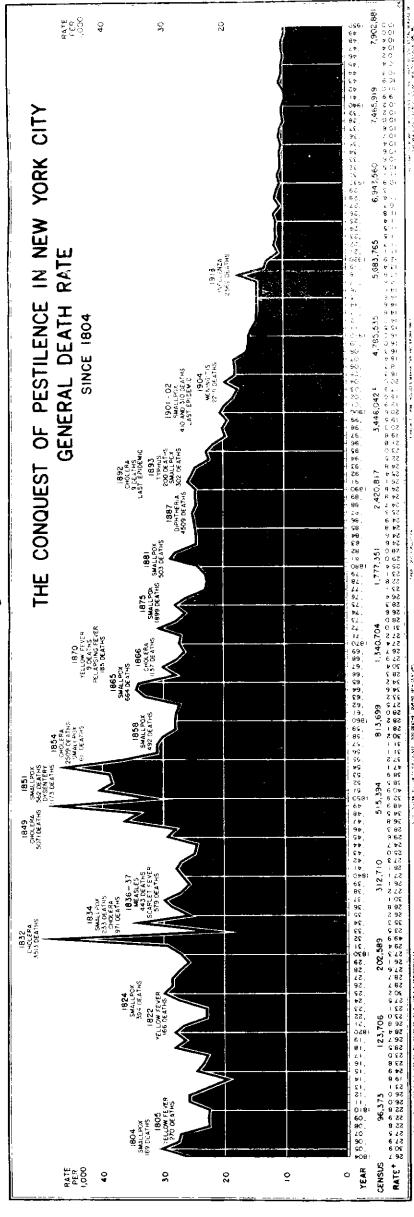
First it should be recalled that between 1800 and 1850 the general death rate, except in epidemic years, ranged usually between twenty and thirty per thousand population. Occasionally, with the lack of control of communicable diseases, the nature or cause of which was unknown in those days, the death rate would suddenly rise to even greater levels. Back in 1832 a cholera epidemic was responsible for 3,513 deaths and the death rate that year rose to 49.9 per thousand -- five times our present rate. Another cholera epidemic in 1849, with 5,071 deaths, sent the death rate again to 48.9 (see Fig. 1).

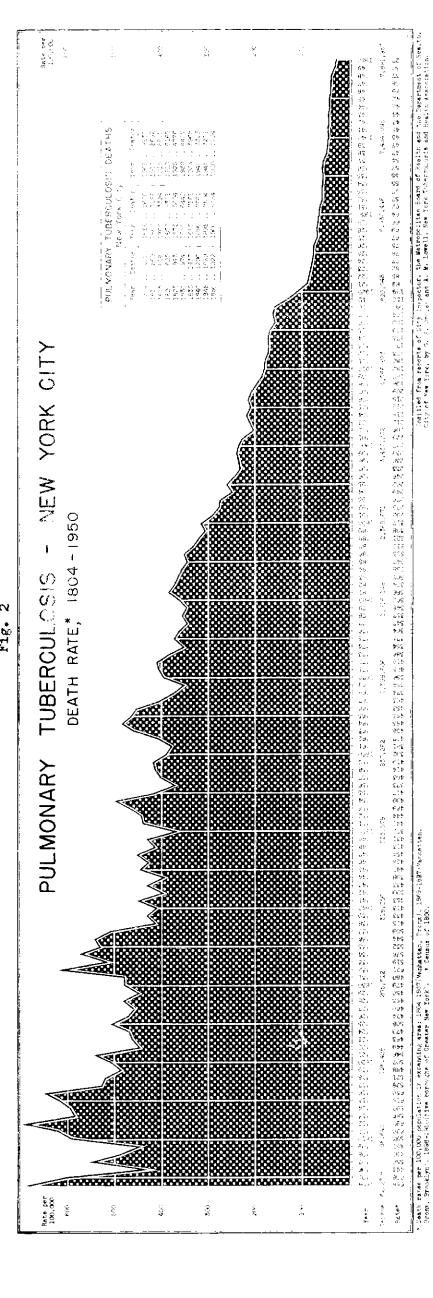
Between 1850 and 1900 the general death rate usually ranged about the same high level as during the first half of that century. Once more cholera struck heavily in 1854, being responsible for 2.509 deaths, while at the same time an epidemic of smallpox came along causing 611 deaths; consequently the death rate was 47.1 that year. It was not until 1897 that the general death rate in New York City fell below 20; that year it was 19.8.

During the nineteenth century under discussion, the population of New York City was repeatedly scourged by a variety of epidemics, smallpox for instance appearing repeatedly. In 1804, it caused 169 deaths in the comparatively small population of those days; in 1824, 394 deaths; in 1851, 562; then in 1865, 664 more; in 1872, 1,666; in 1875, 1,899; in 1881, 503 and, in 1893, 302. The last epidemic of this type occurred in 1901 and 1902 when altogether 720 deaths occurred. Thereafter smallpox was conquered by vaccination.

Cholera, when it came along dealt heavy blows. As already mentioned, in 1832 there were 3.513 deaths, and again in 1849, 5.071. Within another five years, namely in 1854, it caused 2.509 more deaths; then in 1866, 1.137. Fortunately, in 1892 when nine deaths of cholera occurred this was the last visitation of an epidemic of that type.

Of children's diseases, it is to be noted that in 1836 and 1837, measles were responsible for 443 deaths; scarlet fever, for 579 more. In 1887, diphtheria struck most terribly when it caused 4,509 deaths. Mention





is also made in the records of an epidemic of dysentery in 1851 which was responsible for 1,173 deaths. The mortality records of those days do not single out typhoid as being notably responsible and yet deaths from this cause were taking place continuously.

Tuberculosis

In the case of tuberculosis the most dependable records in those days refer to "consumption". For much of that period the specific cause of what we now label as the non-pulmonary forms of tuberculosis was not known and therefore the reports available do not measure the total mortality due to the tubercle bacillus. Without the control we now enjoy of bovine tuberculosis, it is likely that the mortality from this disease in children was excessive.

However, if one looks over the record for "consumption" or pulmonary tuberculosis from 1804, for instance, until the end of that century, it is seen that its rate up to 1840 often rose to 600 or more per hundred thousand population (see Fig. 2).

In 1804, the death rate from pulmonary tuberculosis in New York City was as high as 688 per hundred thousand; in 1812, it even went to 697. It was not until 1838 that the rate came down below 500 per hundred thousand population. Between that year and 1872, it oscillated around 400, often above it. Then, beginning in 1882, started the continuous decline in mortality which has been taking place since that time. However in 1900 the death rate from pulmonary tuberculosis in New York City was 237, which at least was only one-third of what it had been at the beginning of the nineteenth century.

* * *

THE TWENTIETH CENTURY

New York City Grows, 1900 to 1950

IN 1900 the population of New York City totalled nearly three and a half million inhabitants (Federal Census 3,437,202). Only two years previously the annexation of Brooklyn, the various small communities of Queens and Staten Island had added onto the older central section-Manhattan and the Bronx-one million three hundred thousand additional inhabitants. More than one million of them were residents of the up-to-then separate city of Brooklyn.

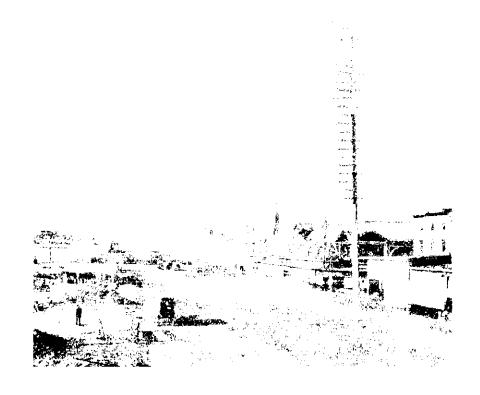
In Greater New York at that time more than one-half of the total population was then concentrated in the Borough of Manhattan (1,850,093). The 420,000 residents of Staten Island, Bronx, and Queens comprised only twelve percent of the city's population; Brooklyn contained one-third.

Greater New York has an area of 359 square miles. If, however, reference is made only to the land area, it totals 314.2 square miles. Taking Manhattan's 22.3 square miles as a unit, it is seen that the area of the Bronx, 43.4 square miles, is practically double. That of Staten Island, 60.3 square miles, is 2.7 times the size of Manhattan. Brooklyn's 76 square miles reveal that borough to be three and a half times the size of the central borough. Queens overshadows in size all of the other four boroughs; its land area of 112 square miles is five times that of Manhattan.

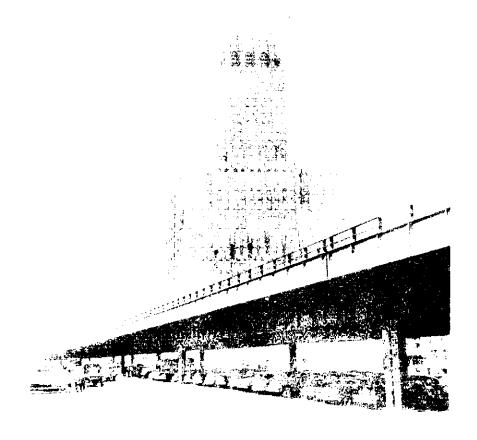
With nearly 88 percent of New York's population in 1900 concentrated in Manhattan and in Brooklyn, the congestion was greatest in these two boroughs. On an average, in Brooklyn the density of population was 15,300 per square mile; in Manhattan it was more than five times as great, namely 83,000 residents per square mile. In the Bronx the density of population averaged 4,600 per square mile. But in the large and still comparatively undeveloped sections of Queens and of Staten Island the population coverage per mile was only 1,360 and 1,110 respectively. Furthermore, in all these five boroughs the population was far from being evenly distributed. In Manhattan it was then concentrated mostly below Fifty-ninth Street; in the Bronx, mainly in the Mott Haven, Melrose and Morrisania sections; in Brooklyn, in Williamsburg, Fort Greene, Red Hook-Gowanus and the Bedford sections. In Queens, isolated, individual communities prevailed, the larger ones being Long Island City, Astoria, Flushing and Jamaica.

Racial Composition

Of the three and a half million residents of New York City, at the time of the 1900 Federal Census, 60,666 were Negroes. The other colored, mostly Orientals, numbered only 6,638. The white population besides the 2,108,980 native-born included 1,260,918 foreign-born, the latter comprising more than a third of the entire population of the city. The largest number of the foreign-born white, namely 322,343, were from Germany, followed by 275,102 born in Ireland. Some 317,000 had been born in Russia, Poland, Austria-Hungary and Roumania; the majority of them were Jews.



New York's Changing Scene*
WEST STREET: (upper) About 1887, looking north at Vesey Street;
(lower) today, elevated highway and New York Telephone Company
building cuts space and crowds sky. *Reproduction by courtesy,
Seidman Photo and New York Daily News.



Other foreign-born whites then residing in New York City also included 145,433 born in Italy; 80,000 from either England, Wales or Scotland. Lesser numbers had come from Sweden, France, or from Canada.

In 1900, the age composition of the population was quite different from what it is now (see p. 4). At that time nearly a third or 30.7 percent was made up of children under fifteen years of age; old folks, sixty-five and over, comprised only 2.8 percent of the population. Nowadays the proportion of the child population has been reduced by a third from what it was previously, and that of the aged is two and a half times as great. The latter now comprises 7.7 percent of the entire population.

During the first half of the twentieth century the great metropolis of the New World, New York City, continued to grow at a varying pace. The greatest gain in population was made during the first decade when its inhabitants increased in number from some 3.400,000 to 4.800,000, actually by 1.329.681, an increase of no less than thirty-nine percent. Between 1910 and 1920 growth was at a lesser rate; the population increased by 853.165 or by eighteen percent. The decade of 1920 to 1930 saw again an increased rate of gain, the population growing by no less than 1.310,000 or by twenty-three percent. The effect of Federal legislation restricting immigration soon began to be felt and between 1930 and 1940 the gain in population totalled only 524,549, an increase of but 7.6 percent. It was even less in the last decade of that first half of the century; between 1940 and 1950, the population increased by 436,962 or by slightly less than six percent.

As a result of the great gain in population during the first decade, the proportion of the foreign-born residing here in 1910 reached forty percent of the entire population; they then numbered almost two million. The composition of the foreign-born group at that time began to show different proportions. There was a comparative reduction in the number of those born in Ireland or Germany. Those from Italy were now two and a half times more numerous than ten years previously. There were now 340,770 foreign-born Italians here. Those from Russia were almost three times the number they were ten years before; those from Austria-Hungary doubled; likewise those from Poland. Negroes numbered 91,709 in 1910.

In 1920 those residents of New York born in Russia. 487.275, represented the largest number of the foreign-born. In addition there were 157.000 from Austria; 146.000 from Poland; and 65.000 from Hungary. That year Negroes in New York City numbered 152,467.

In 1920, the proportion of the population which was foreign-born was reduced to 35.6 percent of the total; in 1930, it ropresented 33 percent; in 1940, 28 percent; and, by 1950, it was now down to 23 percent. In 1950, New York's foreign-born white numbered 1,784,089, and the native-white 5,332,027. There were now 747,780 Negroes and 28,028 "other colored", mostly Orientals.

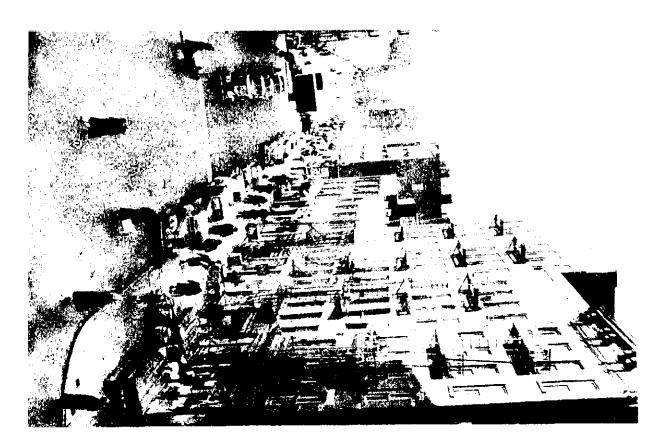
The first half of the twentieth century had seen the population of New York grow to more than double, namely, from some 3,500,000 inhabitants to nearly 8,000,000, not to mention the extreme growth which the surrounding suburban areas of Long Island. New York State and New Jersey have also witnessed.

NEX YORK'S CHANGING SCENE*

X

HESTER STREET: (left) About 1900, in heart of lower East Side; (right) today, automobiles have displaced pushcarts. *Reproduction by courtesy, New York Historical Society and New York Daily News.





During those fifty years a remarkable development in transportation facilities had perforce taken place. The barriers created by the surrounding waters of the East Rivor, the Hudson and the Harlem River, around Manhattan had been bridged over or had seen a series of tunnels dug under them. Between 1900 and 1910 alone in addition to the already existing Brooklyn Bridge there were erected the Williamsburg, the Queensboro, and the Manhattan bridges across the East River. Over to New Jersey was opened in 1927 the Holland Tunnel; in 1931 was erected the George Washington Bridge; finally, in 1937, the Lincoln Tunnel. More recently, the Triboro Bridge linked Manhattan, Bronx and Queens. Tunnels over to Queens have also been dug under the East River; likewise in 1950 between the Battery and Brooklyn. At the same time a number of important lines for rapid transit were built, not to mention already existing "elevated" lines.

During the fifty years under consideration, the internal growth of the city was not at an even rate. Manhattan, at the turn of the century, was already crowded. As a result between 1900 and 1950 its population increased from 1,854,052 to 1,961,856 or by 107,804, the least of any of the five boroughs of New York City. Numerically the next important increase was on Staten Island where the population, increasing by 125,000, trebled. Brooklyn came along with an increase of 1,570,000 in population; in 1950 the number of its inhabitants, 2,739,000 was 1.7 times what it was in 1900.

It is particularly in the boroughs of the Bronx and of Queens that the major growth of New York City took place, especially when rapid transit lines made these areas more accessible. In the Bronx the population increased by 1,250,000, namely, from 201,646 to 1,452.691—seven times as large in 1950 as it was in 1900. Finally there has been the unusual and remarkable growth in the Borough of Queens, said to be the fastest growing section of the United States. Between 1900 and 1950 it registered an increase of no less than 1,403,000, so that lately its total population, 1,557,179, is ten times what it was originally when it was scattered mostly in small disconnected communities.

In relation to the land area of the great city, the density of the population per square mile in 1950 averaged 25,120; it was least on Staten Island, 3,180 per square mile only. Queens, even with its very great growth, but because of its larger size, had a density of population of 13,850 per square mile in 1950. In the Bronx, the density was 33,440; in Brooklyn, it was 36,030. Finally, in Manhattan, the density of population per square mile was 87,900, barely five thousand more than fifty years previously.

Changes in Racial Composition

Great and significant changes in the white and non-white composition of the city have taken place particularly during the last decade.

Between 1940 and 1950, the white population of the city as a whole increased by 2.0 percent only; in the boroughs of Manhattan, the Bronx and Brooklyn it actually decreased. The non-white population

during the decade just mentioned rose from 477.494 to a total of 775.753, an increase of nearly three hundred thousand or of 62 percent. In Manhattan the non-white population increased by 29 percent; on Staten Island, by 54 percent; in Brooklyn, by 93 percent; in Queens, by 99.7 percent; and, in the Bronx, by no less than 310 percent. The colored population was now distributed as follows: 5.492 resided on Staten Island, 53.723 in the Borough of Queens; 100,048 in the Bronx; 212.989 in Brooklyn; finally 403.501 in Manhattan (see p.5).

With regard to concentration, the last Census enumeration indicates that in the Borough of Queens some 30,000 resided in the Jamaica-East Section and 11,757 in the Corona Section. In the Bronx there were 18.145 in the Mott Haven District and 68,220 now in Morrisania. Relatively small numbers resided in the other Bronx districts; however, there were 7,106 in Tremont. In Brooklyn, first of all the non-white population was largest in the Bedford District with 124,501 residents, followed by 41,081 in the Fort Greene District. In Brownsville there were 18.435 and both in Bushwick and Red Hook-Gowanus about 7,500 each. In the Borough of Manhattan, both in the Lower East Side and the Lower West Side there were nearly equal numbers, around 13,000 in each. The non-white population in East Harlem numbered 38.199; in the Riverside District, 52,545; in the Washington Heights section 77.801; and, in Central Harlem, 205,442.

During the last decade there has also been a large influx of Fuerto Ricans into New York City. Official figures of their number have not been published, but studies of the Federal Census records by the Welfare and Health Council of New York City show in 1950 that there were here approximately some 246.000 people who were born in Puerto Rico or of Puerto Rican parentage; their number has greatly increased since.

The vast horde and streams of population which have gone through and into New York during the fifty years under consideration, the type and composition of these groups, the limited space available to them for dwelling purposes have all combined to make extremely difficult the control of a communicable disease like tuberculosis.

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New York's Changing Scene*
MADISON SQUARE AREA: (upper) Early 1900s, Madison Square Garden, statue of Diana tops edifice; (lower) today, massive bulldings of Metropolitan and New York Life insurance companies overshadow New York Court of Appeals.*Reproduction by courtesy, New York Daily News.



HEALTH CONDITIONS AND CHANGES, 1900-1950

DURING the first half of the twentieth century New York City reflected sharply the dramatic gains in health which have been made in recent times. The reports to be quoted are all the more striking when it is recalled, first, that it is especially in large and dense centers of population that opportunities for the spread of communicable diseases are greatest. Secondly, the competition for space and a living is here likewise of the most intensive character. Finally, since food unlike in rural areas must all be purchased and come from afar, the maintenance of good nutrition and health under these conditions is of greater difficulty than elsewhere.

Mahoney(3), the Commissioner of Health of the City of New York, in his report "New York City's Health in 1950", has well summarized the changes and the tremendous advances which have been made. "An indication", says he, "of some of the achievements of preventive medicine and public health in New York City during the past half century can be obtained by contrasting the vital statistics of 1900 and 1950. Among the most dramatic accomplishments were tremendous reductions in infant and maternal mortality; the conquest of such communicable diseases as smallpox, typhoid fever, diphtheria, malaria and scarlet fever. Rapid strides were made toward the conquest of venereal diseases. Significant also was the reduction of mortality from tuberculosis, pneumonia, and appendicitis.

"In 1900, the general death rate was 20.6 per thousand population. At the same time the birth rate was 35.7 and the infant mortality rate, 135 per thousand births."

In 1950, the general death rate of ten was only one-half of what it was formerly. And whereas the average age at death at the beginning of the century was 30.2 years for both sexes, it has risen, in fact, doubled to 60.2 in 1950, the gain having been continuous during that period.

Since 1900 the birth rate has fallen gradually until by 1950 it averaged 19.7 per thousand. It varies sharply in the two largest racial groups now residing in New York City: the whites and the Negroes. The birth rate of the white population in 1950 was only 18.7 and that of the Negroes 28.6. In 1910 the white population had a natural rate of increase of 14 per thousand population since at that time its birth rate was 30 and its death rate 15.9, but in 1950 the natural increase, even with the much lower general death rate of the white population, had been reduced to 8.7.

In 1910 the Negro birth rate in New York City was 24.1 per thousand but its death rate was almost as high, 24.7. Living conditions were particularly hard for them in this already congested city. But in 1950, when the Negro birth rate was 28.6, their general death rate had come all the way down to 9.63, which meant that their natural rate of increase was now 18.9, or more than double that of the white population. These reports testify to the fact that the capacity for improvement in health

LEADING CAUSES OF DEATH, NEW YORK CITY 1900, 1910, 1920, 1930, 1940 AND 1950

Year	1900)
IGHL	TAO	L

Department of Health, City of New York.

Year 1910

Year 1900	Year 1910
Rank Cause of Death Deaths Rate*	Rank Cause of Death Deaths Rate*
1 Pneumonias 10,482 304	1 Pneumonias 10,519 220
2 Tuberculosis 9,630 280	2 Tuberculosis 10,074 211
3 Diarrhea, enteritis 6,830 198	3 Heart diseases 8.350 174
4 Bright's, nephritis 5,362 156	4 Diarrhea, enteritis 6,370 133
5 Prebirth, debility 4,801 139	5 Bright's, nephritis 5,638 118
6 Heart diseases 4,069 118	6 Prebirth, debility 4,655 97
7 Accidents 3,012 87	7 Cancer 3,710 78
8 Cer. hem., arter'l dis. † 2,482 72	8 Accidents 3,527 74
9 Cancer 2,291 66	9 Cer. hem., arter'l dis. † 2,852 60
10 Diphtheria, croup 2,277 66	10 Diphtheria. croup 1.715 36
- Other causes 19.636 571	- Other causes 19.332 403
Deaths, all causes 70,872 2057	Deaths, all causes 76,742 1604
population:	population:
(3,446,042)	(4,785,535)
Live births123.000 35.7#	Live births143,000 29.9#
Infant mortality 16.640 135.3+	Infant mortality 16,215 113.4+
Year 1920	Year 1930
Rank Cause of Death Deaths Rate*	Rank Cause of Death Deaths Rate*
1 Heart diseases 12,117 213	1 Heart diseases 17,786 256
2 Pneumonias 10,058 177	2 Cancer 8,125 117
3 Tuberculosis 7,135 126	3 Pneumonias 8,058 116
4 Cancer 5,317 94	4 Cer. hem., arter'l dis. † 5,231 75
5 Bright's, nephritis 4,833 85	5 Tuberculosis 5,089 73
6 Prebirth, debility 3,631 64	6 Accidents 4,868 70
7 Accidents 3,619 64	7 Prebirth, debility 3,173 46
8 Cer. hem., arter'l dis. † 3,542 62	8 Nephritis 2,905 42
9 Influenza 3,492 61	9 Diabetes 1.764 26
10 Diarrhea, enteritis 2,926 51	10 Suicide 1.403 20
- Other causes 16,579 292	- Other causes 16.466 238
Deaths, all causes 73,249 1289	Deaths, all causes 74,888 1079
population: (5,683,765)	population: (6.943.560)
Live births132,856 23.44	Live births122,811 17.7#
Infant mortality 11,340 85.4+	Infant mortality 7,030 57.2+
Year 1940	Year 1950
Rank Cause of Death Deaths Rate*	Rank Cause of Death Deaths Rate*
1 Heart diseasest 26,529 355 2 Cancer 12,310 165	1 Heart diseasest 34,652 438
2 Cancer 12,310 165 3 Cer. hem., arter'l dis. 4,771 64	2 Malignant neoplasm(cancer) 14,632 185 3 Cer.hem., (vascles.C.N.S.) 5,168 65
	3 Cer.hem., (vascles.C.N.S.) 5,168 65 4 Prebirth, dis.infancy. 3,369 43
4 Accidents	3 Cer.hem., (vascles.C.N.S.) 5,168 65 4 Prebirth, dis.infancy. 3,369 43 5 Accidents
6 Nephritis 3,545 47	6 Pneumonias 2,394 30
7 Pneumonias 3,410 46	7 Tuberculosis 2.321 29
8 Diabetes 3,106 42	8 Liver, gallbladder, pancress 1,789 23
9 Prebirth, debility 2,651 36	9 Diabetes 1,584 20
10 Suicide	10 Dis. arteries 1,216 15 - Other causes 8,705 112
Deaths, all causes 76,008 1,018	Deaths, all causes 79,082 1001
population:	population:
(7,465,919)	(7,902,881)
Live births107,287 14.44	Live births 155.818 19.7#
Infant mortality 3.746 34.9+	Infant mortality 3.858 24.8+
*Per 100,000 population. †Inclusive of dise	
ulation. +Per 1,000 live births. Note: Dea	ths in 1950 classified according to 6th
rev. Inter. List Causes of Death. Based on	reports, Bureau of Records and Statistics,
Department of Health, City of New York.	-

It is especially in the field of communicable diseases that some of the greatest advances in saving lives have been made. Smallpox which still accounted for 410 deaths in 1901 and 310 in 1902 has since been wiped out. Typhoid fever which killed 718 persons in 1900 took only one life in 1950. Malaria and erysipelas which took only one person recently, killed 532 in 1900. Ravages from pneumonia and the reduction lately have been mentioned above.

Specific factors mentioned by Mahoney "which have brought about these remarkable changes can be classified under (1) environmental sanitation. (2) specific immunization, and (3) specific therapy.

"Improvements in environmental sanitation included purification of the city's water and milk supplies. In 1910 chlorination of water was introduced and in 1912 pasteurization of milk. In addition has been the attention given to the protection of the purity of foods and drugs."

With regard to specific immunization mention must be made particularly of the conquest of diphtheria; likewise the widespread vaccination which during the past fifty years has wiped out smallpox.

"The specific drugs, ranging from salvarsan to the most recent antibiotics, are the latest means for the control of communicable diseases. The introduction of the sulfonsmides in 1934 and of penicillin a decade later opened a new era in medication."

In 1950 the degenerative conditions peculiar naturally and more to the older section of the population head the mortality returns. Heart diseases, cancer, cerebral hemorrhage are responsible now for more than half of all the mortality.

The gains in lives saved can be measured in a way from the previous statement that the average age at death in New York City has doubled. A few comparative figures for the United States frame the picture interestingly. Whereas at the beginning of the century the expectation of life at birth averaged 49 years it has now risen to practically 69 years—a gain for all, of twenty years; the improvement has even been slightly greater in the female sex.

While as previously mentioned it is particularly children who have benefited most by having the opportunity to live their lives through, it is worth noting that even at the older periods of life there has been an improvement in the expectation of life. For those aged twenty, in the United States in the white population, the expectation of life has risen from 42 years to 49 years; for those forty years of age, a rise from 27.7 more years to 30.7. Even for those over sixty-five, a slight gain of one year in life expectancy has been recorded, the expectation being approximately some twelve years to be added onto their present age.

During the half century under review while the customary epidemics among children have occurred their severity as previously mentioned, has been greatly reduced. However, during those fifty years there have been other epidemics due to virus infections. Poliomyelitis struck severely in 1916 when among some nine thousand reported cases there were 2,448

Population,7,119,901

Infant mortality 2.992 22.4+

Year 1910						Year 1920									
Rar		Deaths	Rate*	Rar	nk	Cause of Death	Deaths								
	Pneumonias	10,128	216	1	He	eart diseases									
	Tuberculosis	9 507	203	2		neumonias									
3	Heart diseases	8.1 ///	174	3	Tı	uberculosis									
4	Diarrhea, enteritis	6,207	132	14	Ce	ancer		94							
5	Bright's, nephritis	5,456	116	5	В	right's, nephritis		85							
6	Prebirth, debility	4,502	96	6	A	ccidents		63							
7	Cancer	3,650	78	7	P	rebirth, debility	3.433	63 62							
8	Accidents	3,450	74	ಕ	Ce	er.hem.,arter'l dis.t	3,426								
9	Cer.hem.,arter'l dis.t	2,793	60	9	Iı	nfluenza	3.379	61							
10	Diphtheria, croup	1,698	36	10	D:	iarrhea, enteritis	2,803	51							
-	Other causes	18,795	401	_	01	ther causes	15,833	288							
	Deaths, all causes	74,330	1586		De	eaths, all causes	69,870	1267							
	Population, 4,686,439	<u> </u>				Population.5.514.404		•							
	Live births	140,736	30.0#		L	ive births	128,646	23.3#							
	Infant mortality	15.680	111.4+		Ir	nfant mortality	10,663	#82.9 +							
	Year 1930					Year 1940									
Rar	k Cause of Death	Deaths	Rate*	Rar	ak	Cause of Death	Deaths	Rate*							
1	Heart diseases	16,926	257	1	I	Heart diseasest	25,154	360							
2	Cancer	7,866	119	2	(Cancer	11,721	168							
3	Pneumonias	7,283	110	3		Cer.hem., erter'l dis	4,487	64							
Ĭ4	Cer.hem., arter'l dis.+	5,000	76	4		Accidents	3,602								
5	Accidents	4,516	68	5		Nephritis	3,234	52 46							
5	Tuberculosis	4,072	62	Ę.		Pneumonias	7 7	1114							
7	Prebirth, debility	2,891	44	7		Diabetes	-	43							
ġ	Nephritis	2,695	41	ģ		Tuberculosis		38							
9	Diabetes	1.713	26	9		Prebirth, debility	2,350	38 34							
1Ó	Suicide	1,351	20	10		Suicide	1,229	18							
_	Other causes	15,117	229			Other causes	10,591	151							
	Deaths, all causes		1052			Deaths, all causes		1018							
	Population, 6,596,982	0,1,0	20 / L		-	Population, 6,980,974	12,000	1010							
	Live births	115 114	17.44		7	Live births	99.005	14.21							
	Infant mortality	6.299	54.7+			Infant mortality									
	Intent mortality	01277	<u> </u>		-	THIBUT MOITBILLY	21672	<u> </u>							
	Year 1950		<u>-</u>				-								
Ran		Deaths	Rete*	*Pe	· T	100,000 White population	on as of								
1		32,364	455			lst.	on on ot	•							
2	Malignant neoplasm cancer		191		-	usive of diseases of c	17185 77 7								
3 4	Cer.hem., (vasc.les.C.N.S.)	, ,	67			ries.	OT OTHERTA								
	Accidents		40			births per 1,000 White	a nomile	tion							
5	Prebirth, dis. infancy.		37			udes a few "other color		-A TOH.							
	Pneumonias		29			int deaths per 1,000 li									
7	Tuberculosis	_	23			Death in 1950 classif									
g	Liver, gallbladder, pancreas		23		_	h rev. Inter. List Caus		_							
9	Diabetes		51												
10	Dis. arteries		16			l on reports, Bureau of stics, Department of H		and							
-	Other causes		103			of New York.	ACT ATT 1								
	Deaths, all causes	. 71,555	1005	016	y	OT MOM LOTE'									
	Darry 1 a 44 am 7 110 001			=											

LEADING CAUSES OF DEATH AMONG NEGRO POPULATION, NEW YORK CITY 1910, 1920, 1930, 1940 AND 1950

					- 3		
Rank	Cause of Death	Deaths	Rate*	Rank	Cause of Death	Deaths	Rate*
1 1	Auberculosis	522	561	1 Pnet	monias	663	412
	neumonias	384	413	2 Tube	erculosis	596	370
	Heart diseases	198	213	3 Heat	rt diseases	355	221
	Bright's, nephritis	174	187	4 Pre	-birth, debility	189	117
5 I	Diarrhea, enteritis	162	174	5 Dias	rhea, enteritis	120	75
	Prebirth, debility	153	164	6 Acc	idents	115	71
7 4	Accidents	72	77	7 Cer.	hem.,arter'l dis.†	112	70
	Cancer	59	77 63	g Infl	Luenza	102	63
9 (Ser.hem.,arter'l dis.t	57	63	9 Cano	er	1,00	62
10 E	Bronchitis	51	55	10 Who	oping cough	46	29
- 0	ther causes	469	505	- Othe	r causes	816	506
I	Deaths, all causes	2303	2475	Deat	ths, all causes	3214	1996
	Population, 93,038			P	opulation, 160,988		
	live births	2245	24.1#	Live	births	4129	25.6‡
	infant mortality	535#	238.3+	Infa	ent mortality	677	164.0+

Year 1930 Year 1940

	-	_			
Rank	Cause of Death	Deaths	Rate*	Rank Cause of Death Deaths Rat	e*
1 1	hiberculosis	971	293	l Heart diseasest 1342 28	g
2 B	leart diseases	839	253	2 Tuberculosis 929 19	9
3 P	neumonias	756	228	3 Cancer 569 12	2
4 ▲	ccidents	335	101	4 Syphilis 350 7	5
5 P	rebirth, debility	279	8H	5 Nephritis 305 6	5
60	ancer	245	74	6 Pneumonias 300 6	Ή
7 0	er hem., arter'l dis.t	220	66	7 Prebirth.dis.infancy. 292 6	3
g N	lephritis	206	62	8 Accidents 272 5	g
9 S	yphilis	50,1	62	9 Cer.hem.,arter'l dis 268 5	g
10 H	Comicide	104	31	10 Diabetes 129 2	6
- 0	ther causes	1542	468	- Other causes 860 183	8
E	eaths, all causes	5265	1591	Deaths, all causes 5616 120	6
	Population, 330,975			Population, 465.673	
I	ive births	7537	22.8	Live births 8081 17.	_ '
I	nfant mortality	722	95.8+	Infant mortality 441 54.	6+_

Year 1950

Rank Cause of Death	Deaths	Rate*
1 Heart diseasest	2224	295
2 Malignant neoplasm(cancer)	1007	133
3 Prebirth.dis. infancy		94
4 Tuberculosis	683	90
5 Cer.hem.(vasc.les.C.N.S.)	389	52
6 Accidents	385	51
7 Pneumonias	3 4 8	46
8 Homicide	163	22
9 Diabetes	114	15
10 Syphilis	104	14
- Other causes	1146	151
Deaths, all causes	7272	963
Population. 754,849		
Live births	21,568	28.6
Infant mortality	866	40.2+

- *Per 100,000 Negro population as of July 1st.
- *Inclusive of diseases of coronary arteries.
- #Live births per 1,000 Negro population. #Included are few "other colored".
- +Infant deaths per 1,000 live births
 Note: Deaths in 1950 classified according
- to 6th rev. Inter. List Causes of Death. Based on reports, Bureau of Records and Statistics, Department of Health, City of New York.

deaths. In 1931 another "polin" epidemic also caused 504 deaths. There seems to have been a slight recurrence lately when in 1949 among some twenty-four hundred cases, 186 deaths occurred. There was, we must remember, in 1918 the pandemic influenza which struck with particular severity here and was responsible for 12.562 deaths.

Reference has been made previously to differences in the natural increase of population among the white and Negro residents of New York City. Records are available separately for each of the two groups as to leading causes of mortality beginning in 1910. At that time the Negro community already numbered 93,038. By 1950 it had risen to more than 750,000, undoubtedly the largest urban concentration of Negroes in any place. It is therefore of special interest to see the changes in the health records of the two groups during that period, when as previously mentioned the Negroes have made great health gains.

White, Negro, Principal Causes of Death

In 1910, the general death rate of the white population was 15.86 per thousand population and in 1950 it was down to 10.05. Formerly, the principal causes of death were in this order; first, pneumonia; second, tuberculosis; third, heart diseases; fourth, diarrhea and enteritis. It is worth noting that even at that time the death rate from accidents was 74 or almost twice what it is even these days. The infant mortality rate in the white population was 111 per thousand births, whereas in 1950 it was down to 22. Leading causes of death in 1950 in the white population were first heart diseases; second, cancer; third, cerebral hemorrhage; and, fourth, accidents. Tuberculosis from second place in 1910 has come down to seventh place.

In the Negro community in 1910, the general death rate was 24.75 per thousand and the infant mortality rate 238 per thousand births, whereas in 1950 the death rate was down to 9.63 and the infant mortality to 40. The slightly lower general death rate of the Negro population recently as compared with that of the white is due to the difference in the age composition of the two, the first being still a comparatively younger group and the other including a large proportion of the aged.

Among Negroes in 1910, the leading causes of death were first, tuber-culosis; second, the pneumonias; third, heart diseases. In 1950 the order was changed and the list was headed by heart diseases followed by cancer and then, among children, pre-maturity and diseases of early infancy. Tuberculosis is now down to fourth place. The death rate from tuberculosis which in 1910 was no less than 561 per hundred thousand population, has now been brought down to 90.

LEADING CAUSES OF DEATH, BY RACE AND SEX, NEW YORK CITY, 1950

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*Classified according to 6th rev.(plasms, neoplasms of lymphatic and 334; (4)congenital malformations 7 forms 490-493; (7)tuberculosis,all 260; (10)diseases of arteries 450- 560-578; (13)diseases of stomach a nephrosis 590-594; (16)homicides 9 coholism 322; (19)hyperplasis of p poliomyelitis 80, late effects of	All causes		Appendicitie .	Syphilis .		-	Benign neoplasm	Homicide .	:	Hypertension	Dis. stomach, duo	Hernia,1	Suicide	Dia. arte	Disbetes	Liver.gallbladder.panc.	This heart and a second		÷			Heart diseases	i	Cause of Deaths		- ₹1.
ng to 6th rev. (1948) In f lymphatic and hematon flormations 750-759. The review 450-456; (1: arteries 450-456; (1: arteries 450-456; (1: at stomach and duod (16) homicides 964,980-990 perplasia of prostate ate effects of acute posteries.	79,082	3,591	73 190	26	274	285	322	8	<u>ين</u>	583	626	<u>හ</u> ැ	856	1.216	1.884	1.789	201	3 \ 2	3,369	5,168	14,632	_	Depths	10.000 m		
(1948) Inter.Lia d hematopoietic 750-759. certain 1-19; (8 l-456; (11) suicid and duodenum 540 964,980-985; (17 prostate 610; (2 acute pollo. 81	71,555	3,138	163 71	126	<u>8</u>	218	278	163	475	£0,4	586	<u>ප</u>	8	1.121	- E	1.638	200	200	72.27	4.771	13.574	32,364	Sexee	Roth	<u>'</u>	
Inter.List topoietic ti). certain d s 1-19; (8)d (11) suicides odenum 540-5 1-985; (17)b pollo. 81.	10,383	1,778	ደብ 101	135	25 25	174	119	130	263	247	178 1	315	8	<u>7</u> \	55 S	1.000	200	1,810	1,516	212,2	7,129		8	Wele I	Deg	,∥
Causes of seases is eases is eases of 3,970 45; (14) enign ne syphili	31,172 7,52	1,360 45		21 108			五 651	—				286	283 53			638 15		257 T 250, I		2,559 397	7,	-		ਲਿਆ≘1e Roth	Deaths	
of Death: (1)Didentification of Death: (3) was of 140-205; (3) was of 14 ward gallbing of 14 ward gallbing and 14 seques based on male 1	7 4,045	3 218	27 11	77								<u>'8'</u>			\$ \frac{1}{2}			282			8 521	1,112	Desths	A PLEM	+	
(1)Diseases of th 3)Vascular lesions infancy 760-776; gallbladder and r 2)hernia and other ision without menti 210-229, neoplasm s sequelae 20-29; male population.	3,482	235	16	<u> </u>	:	ᢋ	ች	স্ত	1 43	\$	σ	¥	당)	<u>7</u> :	77	ر ا وه	2	7)t7	707	236	537	176	the	Woma 1 A	l.	
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of the heart 410- sions affecting (776; (5)accident, and pancreas 580- other diseases of mention of heart lasm of unspecifical.	1005 1	₹,	<u> </u>	N	7	u	#	<i>∾</i>	~	7	0 0	OQ.	72	<u>لا</u>	<u>بر</u>	22,	<u>ر</u>	8 ŧ	77	67	Tét		Ø	Hoth M	. Je	,
of the heart 410-443; (sions affecting central 776; (5)accidents 800-9 and pancreas 580-587; (other diseases of intesmention of heart 444-44 less of unspecified nati-29; (21)appendicitis 5 ion.	1163 8	67	<u>/</u>	ı ‡=	<u>~</u>	ড	u	¥	CO.	7	¥	9	17	16	<u>ئ</u>	ያያ	<u>አ</u> .	# <u>%</u>	\$ ≢	\$				Wale Remai	Death rate	ш
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2)malignant r nervous syst 62; (6)pneumo 9)diabetes mo tines and per tines and per 7; (15)nephri ure 230-239; 50-553; (22)s	1 1147	62 62		22	<u>তা</u> 	10 18	<u>გ</u>		01 01	12	<u>ح</u>		7 10					28 28	118			<u> 315</u>	8	BTWK TO THE	000,000	; }
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MILESTONES IN THE PROGRESS AGAINST TUBERCULOSIS

BECAUSE of the widespread incidence of tuberculosis, its communicable character, and the influence upon infection and disease of both personal and environmental conditions, the fight against it has had to be led from a variety of approaches, specific and general.

Following the identification of the cause of tuberculosis by Koch through his discovery of the tubercle bacillus in 1882, it became obvious that the first approach towards its control would be the identification and location of cases of tuberculosis, the possible foci of new infections. These characteristics and aspects of the situation were keenly realized in New York City by Biggs who led in securing the adoption in 1894 of the resolution by the Board of Health providing for the reporting of cases, the free examination of sputum, and the home visiting of consumptives. By 1897 the Sanitary Code required the universal reporting of tuberculosis cases including those under the care of medical practitioners.

In 1901 the Board of Health adopted a regulation to permit the compulsory segregation of recalcitrant cases of tuberculosis; the effectiveness of this measure was limited greatly by the lack of special wards or buildings where such cases could be isolated. Ultimately it was realized that educational methods were more effective in securing the consent of patients to go to institutions than police measures.

An important step at that time was the enactment of the Tenement House Law of 1901 which had a wide influence on the type of construction where large numbers of people were being housed. In crowded sections there were numerous habitations used where some of the rooms had no access to air or light. In these dark ill-ventilated places where there were cases of tuberculosis the chances for spread were greatly heightened. The Tenement House Law just mentioned marked a new epoch in tenement house reform. Conditions under which new tenement houses could be built were prescribed; in existing buildings alterations were required to make them habitable and decent. The character of official inspections of old and new houses was defined; the following conditions were declared illegal: inadequate lighting, ventilation or water supply; insufficient facilities for escape in case of fire and improper sanitary equipment. A new Municipal Department responsible for the enforcement of the Tenement House laws was created.

Beginning in 1902 inspectors of the country staff of the Department of Health were assigned to posts in the city's milkshed to ascertain sanitary condition of dairies, methods of handling and transporting milk to the city. These steps, along with those already in effect within the city to assure purity and cleanliness of the milk supply, had an important influence especially on child health.

Tuberculosis Hospital Facilities

For some time prior to the beginning of the twentieth century, especially following the opening of the Adirondack Cottage Sanitarium



New York's Changing Scene*
SAN JUAN HILL AREA: (upper) Old law tenements, West 62nd Street;
(lower) Amsterdam Houses, West Sixties. *Reproduction by courtesy,
New York City Housing Authority.



by Trudeau, there had been recognition of the importance of hospital or sanatorium treatment of tuberculosis especially where opportunities for rest and enjoyment of fresh air were provided. Already by that time there existed in New York City important institutions such as the Brooklyn Home for Consumptives, St. Joseph's Hospital in the Bronx for the same type of patients, Seton Hospital, the Montefiore Country Sanatorium at Bedford Hills, and other well-known out-of-town sanatoria such as the Loomis Sanatorium in the Catskills, and Gabriels in the Adirondacks. Then, within the city, in some of the municipal institutions, a number of beds, or a few wards, were already being reserved for consumptive patients, as, for instance, at Kings County Hospital, at St. Luke's Hospital, at the Montefiore Home, at the Home for Incurables, at the Lincoln Hospital and Home of the City of New York.

Shortly thereafter a number of important institutions began to be made available for tuberculosis patients. In 1902, the first Tuberculosis Division in a city institution was opened at the Metropolitan Hospital. In 1903, the Department of Health opened the Riverside Hospital for the Tuberculous on North Brother Island; it was designed primarily for wilfully careless consumptives under forcible detention. The same year saw the opening in the Adirondacks of the private sanatorium. Stony Wold, particularly for girls and women patients. Likewise, in the "North Woods", was opened the important State Hospital for Incipient Tuberculosis at Ray Brook. While the latter took patients primarily from other parts of the State, at the same time a number were taken from New York City. The same year saw the interesting provision made by the Association for Improving the Condition of the Poor at Sea Breeze Hospital on Coney Island for the care of children with nonpulmonary forms of tuberculosis: bones and glands. In 1906, the Municipal Sanatorium at Otisville was opened. In 1909 a novel type of institution was opened at Farmingdale, New Jersey: the Tuberculosis Preventorium for Children which also took in cases from New York City. Those admitted were children without open disease who were members of tuberculous families.

Other important institutions, which added much to New York's facilities for the isolation and care of tuberculosis patients, were the large Sea View Hospital on Staten Island which opened in 1913 and provided 763 beds at that time; St. Anthony's Hospital in Queens, opened in 1914; Neponsit Beach Hospital for Children, in 1916; Triboro Hospital, in 1941 and the tuberculosis sections of Manhattan General Hospital in 1949. In several of the institutions mentioned the original bed capacity was enlarged, especially at Sea View.

Voluntary institutions which also added tuberculosis services to their facilities were Lenox Hill and New York hospitals; among public hospitals should be mentioned Bellevue, City Hospital, Harlem, Kingston Avenue, Morrisania and Willard Parker.

The opening of hospitals and sanatoria for the tuberculous had three very important effects: first, by isolating sufferers from a communicable disease they immediately lent protection to the families of these patients and to the community; second, they provided care

for victims of a long-lasting, serious disease; third, particularly for the large numbers of patients ultimately discharged from these institutions with disease arrested or at least quiescent, they had been responsible for the most practical type of health education teaching them the dangers of their infection and instructing them in many ways to take better care of their condition and general health.

One of the important administrative measures which followed from the registration of cases of tuberculosis was the establishment of a tuberculosis roster in New York City which could be kept up to date continuously. On December 31, 1910, for instance, when there were 27,477 cases of pulmonary tuberculosis registered we are able to see that on that day some 3,648 patients already were in institutions within the city. That figure alone gives an idea of the number of beds which had then become available for their care. At the time, particularly by such as could bear the expense, it was deemed important to seek "the cure" in the country. In December of 1910, 2,445 patients were registered as being either in sanatoria out of town or in health resorts. Altogether we see here therefore that, of the total 27,500 cases in New York City, slightly over 6,000 patients were segregated in institutions or isolated from immediate contact with their family.

Tuberculosis Clinics

Another and very important measure for the control of tuberculosis which began to be developed in the early days of the twentieth century was the care of patients in specialized clinics or dispensaries. In 1903, the first municipally operated tuberculosis clinic in New York City was opened at Gouverneur Hospital, to be followed a few months later by a similar clinic at Bellevue Hospital and the next year by a third clinic operated this time by the Department of Health, the very first in a department of health of any city in the United States. Shortly thereafter a number of similar clinics were opened in private or voluntary hospitals and especially by the Department of Health, until ultimately, such specialized services became available to patients still remaining at home in every section of New York City.

The tuberculosis clinics and dispensary services not only provided places for the examination of tuberculosis suspects by specialists and assured a degree of care to the active cases until they could be placed in institutions but at the same time, through the examination of contacts and especially the visiting of their homes, were responsible for striking at the very source of tuberculosis and permitting a degree of control and prevention that had never been possible previously.

In 1907, the authorities operating the various clinics throughout New York City, whether municipal or under private auspices, formally organized the Association of Tuberculosis Clinics of Greater New York. As a result this type of service was closely coordinated and the experience gained in one or the other was passed on to the entire group. Ultimately special sections for children were opened, likewise evening clinics for working men. There was an avoidance of duplication in the home visiting work of the public health nurses and a systematic transfer



(Upper): MONTEFIORE HOSPITAL Country Sanatorium, Bedford Hills, N.Y. (Lower): TRIBORO HOSPITAL, Department of Hospitals, City of New York.



of patients so that they could be treated at the clinics nearest to their home. By 1910 no less than 30,406 individuals, active cases of tuberculosis, or members of their families, were under treatment by or under observation at these clinics. From the roster of the Department of Health we are able to see that at the beginning of the year 1910 there were no less than 5,476 cases of tuberculosis under clinic care.

It is worthwhile for a moment to revert to important other developments during that first decade of the half century under consideration. In 1902 was organized the Committee on Prevention of Tuberculosis of the Charity Organization Society of the City of New York which subsequently developed into the New York Tuberculosis and Health In 1904, with headquarters in New York City, was organized Association. the National Association for the Study and Prevention of Tuberculosis. In 1905 the Committee on the Prevention of Tuberculosis of the Brooklyn Bureau of Charities was also formed. It is unnecessary to stress here the importance of the organization of these special voluntary agencies which have now become of such prime importance throughout the United States, their distinctive health education services, their active participation in community case-finding, their support of all worthwhile measures against tuberculosis or for the strengthening of public health facilities.

From the very start the anti-tuberculosis associations realized that public understanding was fundamental for progress and they stressed the importance of popular health education. At the same time they appreciated that facilities had to be at hand and innumerable have been the instances where they organized public sentiment for the provision of adequate hospital facilities and the support of public health departments.

In 1905 a special Tuberculosis Division was opened at Bellevue Hospital. In 1908 was begun the employment of a special social worker in the tuberculosis wards of that institution. Shortly before that time a general Social Service Department had been opened at Bellevue Hospital. Ultimately in all the municipal hospitals it became axiomatic that there should be organized social services in connection with the treatment of patients.

In 1907 the diagnostic tuberculin skin-test was introduced by von Pirquet. Wide-spread use of the tuberculin test demonstrated that one may be infected by the germ and yet not have the disease.

In 1908 took place at the Museum of Natural History the remarkable exhibit of those displays which had been prepared for the International Tuberculosis Congress in Washington. The exhibit had strong popular appeal and did much in those days to familiarize the general population with the character and seriousness of tuberculosis.

The same year, at Bellevue Hospital, was opened the Day Camp for Tuberculosis Patients on the old ferry boat Southfield. Within a few years around that time no less than six similar Day Camps were set up in New York City to provide a measure of care for patients remaining at home. These new facilities included the Middletown Day Camp and

the Rutherford of the Department of Health; the two Day Camps of the Department of Hospitals, the Southfield and the other on the ferry boat at Gouverneur Hospital; likewise, under voluntary auspices, the Vanderbilt Day Camp. Altogether these day camps provided care and opportunities for fresh air and rest to almost 600 patients; they were invaluable to fathers or mothers of families anxious to be home evenings with their children. The cost of their maintenance was also quite low. At the same time they had open-air classes for children from families where there was tuberculosis; in effect they were preventoria.

In 1909 the appropriation of the city to the Division of Communicable Diseases of the Department of Health was increased by some \$230,000, enabling it to extend its tuberculosis control measures. It was therefore possible the next year to increase the public health nursing staff from 23 to 159 and to extend more adequate home visiting service for the tuberculous. It resulted in a tenfold increase of these important visits to the homes of these patients and for the control of tuberculosis in the community. A most important step, by the Board of Health in 1912, resulting in much life-saving among children was the requirement which made compulsory the pasteurization of milk. Inis had an immediate effect in the reduction of infection and mortality especially from the non-pulmonary form of tuberculosis as well as from other infectious diseases.

Other events of interest in the tuberculosis field during the second decade of the present century was the opening in 1912 of the Victoria Apartments of the Home Hospital conducted by the Association for the Improvement of the Condition of the Poor. There, some twenty families with cases of tuberculosis among their members were provided with unusually salubrious quarters and were under medical and social supervision. It demonstrated that where such facilities are available home treatment of tuberculosis could be successful.

In 1915 the Neponsit Beach Hospital for children suffering from non-pulmonary tuberculosis was taken over by the City of New York. The same year saw the opening of the Altro Workshop, so valuable in the rehabilitation of former sanatorium patients; this distinctive service was rendered by the Committee for the Care of the Jewish Tuberculous.

Anti-Tuberculosis Organizations

In 1919 the former Committee on Prevention of Tuberculosis of the Charity Organization Society became an independent organization, namely, the New York Tuberculosis Association; subsequently when its activities were widened, it became the New York Tuberculosis and Health Association. In 1920 was formed the then Queens Anti-Tuberculosis Association; it became later the Queensboro Tuberculosis and Health Association. In the same year the Richmond County (Staten Island) Tuberculosis Committee became affiliated with the New York Tuberculosis Association. In 1920 also, the latter Association organized a similar Committee for the Bronx; and, in 1922, the important Harlem

Tuberculosis Committee of the New York Tuberculosis Association was formed for special work in that area of the city.

In 1921 the Queens Association was responsible for the organization of the first consultation service in New York City for private physicians' cases. Later this valuable type of service was also provided by the Department of Health at the Bellevue-Yorkville Health Demonstration in 1928. It was only a matter of time afterwards when a score of such valuable services for private physicians' cases were available throughout the city, the great majority of them conducted by the Department of Health.

In 1924, under the leadership of the New York Tuberculosis Association, the Tuberculosis Sanatorium Conference of Metropolitan New York was organized. The Conference membership included two-score institutions with a total bed capacity of nearly ten thousand, wherein more than twenty-three thousand patients are treated annually. Linking the authorities of these key services for the sick, especially at the periodic clinical sessions wherein medical and surgical advances are shared, has had a far-reaching educational value in this area.

In 1931 was organized the Committed on Neighborhood Health Development under the aegis of the Department of Health to consider the possibility of district health centers throughout New York. The practical advantages of such decentralization and of neighborhood service had already been demonstrated at the East Harlem Health Center; likewise, in an experimental brief similar effort by the Department of Health in 1915. Therefore, in 1934, the Department of Health formally organized the Bureau of District Health Administration to bring public health service closer to the people in every part of the city.

In 1932 a relatively economical development in the X-ray examination of large numbers of people marked the opening of the new epoch in tuberculosis case-finding. That year the Queensboro Tuberculosis and Health Association, aided financially in this endeavor by the Metropolitan Life Insurance Company, undertook the periodic X-ray examination of some 10,000 school children. For the first time machinery became available permitting a rapid, less costly method of taking X-ray pictures on a roll of sensitized paper. It was also the first time here that such a large, apparently healthy, group of the population was being examined in that manner. From this time on there have developed these numerous community mass surveys which have rendered such farreaching service not only in tuberculosis case-finding, but also in the discovery of other abnormal chest conditions. In this city alone the various surveys made possible by these rapid-type of comparatively economical examinations reach more than 600,000 individuals annually.

In 1934 the Department of Health created a separate Bureau of Tuberculosis, thus placing tuberculosis as a major part of its activities. In 1936 all the clinics of the Department of Health were provided with radiographic and fluoroscopic equipment; as a result it became possible to X-ray each new admission to the various chest clinics throughout the city.

In 1939 a requirement was added to the Sanitary Code that a public health nurse should visit all new cases reported including those under the care of private physicians. In 1942 another requirement of the Sanitary Code made it compulsory for all teachers and personnel in elementary schools to have an X-ray examination of the chest upon their appointment and each two years thereafter. In 1949 a B.C.G. vaccination clinic was established by the Department of Health at the Central Harlem Health Center, the first in New York City for the general public.

From an economic standpoint, one of the most important contributions assuring care of the tuberculosis patients in hospitals was the abolition recently by the State Legislature of the so-called "means test" whenever such a case was receiving care in a public institution. This law took effect as of April 1, 1947. It recognized the devastating economic effect of tuberculosis upon the lives of its victims and their families; it assured that he or she could receive the proper care in an institution regardless of ability to pay.

Besides specific anti-tuberculosis measures which were developed for the control of tuberculosis during the first half of the present century, it must be acknowledged that there were a number of improvements of a social character and in working and living conditions of that period that had at the same time an undoubted material influence in curbing the ravages of tuberculosis. We have already mentioned improved housing conditions through the amendment of tenement house laws. To this we should also add the recent and increasing provision of model housing construction to displace particularly dilapidated buildings in slum areas.

During the fifty years under consideration there was also a decisive betterment of working conditions not only with regard to the regulation of measures for hygiene, but especially through shortening of hours of labor, the higher rate of remuneration given nowadays, and the passage of laws providing for the protection of women or minors at work. Also in the fields of public welfare should be mentioned provision of so-called mothers' and widows' pensions in homes where were left dependent children. Finally must be included the wide increase lately in relief provision through the Department of Welfare for financial assistance to the needy.

Eradication of Bovine Tuberculosis

The record of specific measures against tuberculosis would not be complete without mention of the many and, one might even add, successful steps taken over the years by the State of New York, with support of the Federal authorities, towards the eradication of bovine tuberculosis in this area.

As long ago as 1894 claims were accepted by the State of New York for indemnity to owners whose cattle had been killed because of their being diseased. That year the State of New York appropriated \$30,000 for this purpose. It should be recalled that in 1896 Theobald Smith

made his preliminary announcement wherein he pointed out that there were morphological and other differences between the human and bovine tubercle bacillus. He thus proved that the latter causes tuberculosis in cows. It was shown later that it also could cause tuberculosis in man.

Between 1902 and 1906 tuberculin tests by the State Department of Agriculture included 262 herds with a total of 3,088 animals, of which 673 reacted. Animals infected with tuberculosis were found in 121 herds or almost one-half of all tested. Tests for bovine tuberculosis were carried on in a modest way up to 1917, New York State appropriating for tuberculosis indemnity purposes during that period a total of \$1.286.573. In May, 1919, an intensive program under joint State and Federal plans was launched to eradicate the disease.

In 1937. New York State was finally declared as a "modified, accredited state" practically free from bovine tuberculosis. The average infection was reduced from approximately 40 percent in 1919 to less than one-half of one percent when the test was completed on October 1, 1937. During that period no less than 17.798.839 individual tuberculin tests were administered, as a result of which nearly one million (967.624) reacting cattle were eliminated. This testing and re-testing was done among 153,000 herds representing some two million cattle at a cost for indemnity alone of \$57.000,000, of which \$46.000,000 was paid by New York State and \$11,000,000 by the Federal government. This successful accomplishment demanded a sound organization with real teamwork on the part of a legion of workers plus cooperation of Federal officers, County Boards of Supervisors, health agencies and last, but not least, the great army of cattle owners.

Since 1937 the problem has been one of maintaining the freedom of the herds from tuberculosis and the cost has been materially reduced, the State repaying for indemnity purposes up to 1950 a total of slightly over \$3,000,000. In December, 1950, there were under supervision in New York State 116,165 herds containing 1,983,068 head of cattle.

It is particularly childhood which, along with pasteurization of milk as a complementary step, gained the most from this vast program. A reviewer, discussing the decline of tuberculosis in children, well remarked that "tuberculous, crippled, hunchbacks and children with necks scarred from adenitis have become a relative rarity in New York City".

* * *

PREVALENCE OF TUBERCULOSIS, 1900-1950

DURING the fifty years from 1900 to 1949 inclusive, the Department of Health in the City of New York has a record that a grand total of 686.810 new cases of pulmonary tuberculosis were registered by various physicians and institutions (see p.7). It would even be conservative to say that during the first half of the twentieth century at least three-quarters of a million people were attacked by tuberculosis, for the figure just quoted does not include cases of the non-pulmonary type which have never been too carefully reported. Also when notification of tuberculosis in New York City began it took a few years before the importance of registering these cases of a serious communicable disease was generally understood.

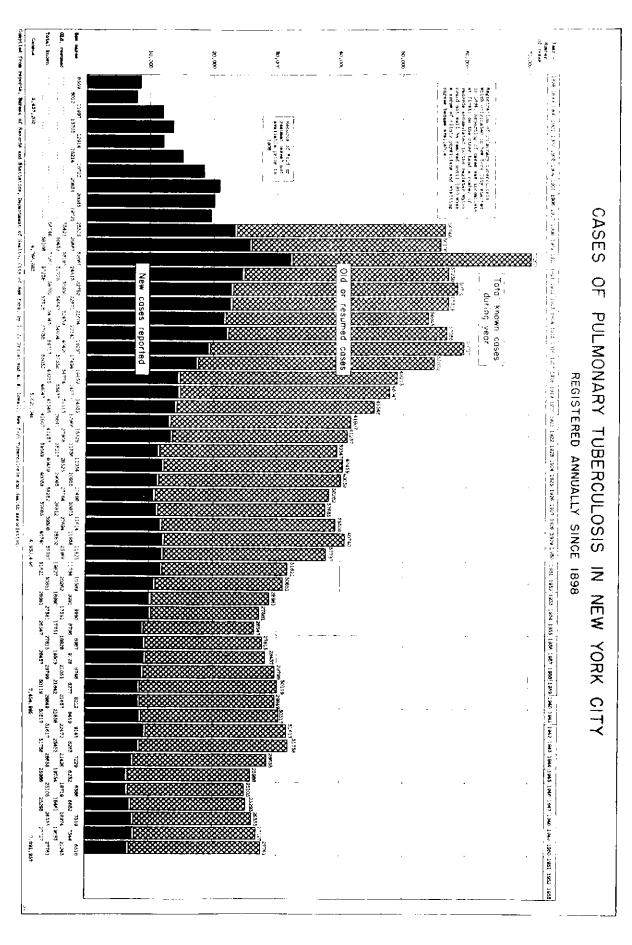
The number of new cases of pulmonary tuberculosis registered during each decade were as follows: between 1900 and 1909, a total of 182.184; during the second decade, 211.546; between 1920 and 1930 a total of 119.475. From 1930 to 1940, 98.121 cases were reported; finally, between 1940 and 1950, the number of new cases registered totalled 75.481. It must be observed here that the drop in the new cases has not been at as great a rate as the mortality (see Fig. 3).

There are apt to be misunderstandings as to the prevalence of tuberculosis when one pays attention to the death rate only. look over a period when tuberculosis registration was better established, let us say for the thirty years between 1920 and 1950. a closer study of the roster of cases, and of the incidence therefore of tuberculosis in general, brings out the inadequacy of the death rate alone as an index. For instance, while between 1920 and 1950 the tuberculosis death rate fell from 126 to 29 per hundred thousand population, or by 77 percent, the registration of new cases of pulmonary tuberculosis totalling 14,035 in 1920 came down to 6,518 in 1950, a reduction of 54 percent, which is much less than that of the death rate alone. The reason is simply this, a mere increase of population necessarily sends down the rate whereas quantitatively the tuberculosis cases of those occurring in the new population add themselves to the cases of the other part of the population. Official authorities concerned with the control of tuberculosis, or the physicians giving care to private patients, or clinics to the supervision of their cases, and finally, hospitals providing beds are not fighting merely the death rate but must face the actual numbers of the patients requiring care.

Manhattan, the "hot bed" of Tuberculosis

The concentration of tuberculosis cases in Manhattan has always been extreme, as one can readily understand, with its high density of population. In 1900 Manhattan had 54 percent of the city's population and 56 percent of the new cases reported that year. During the fifty years under consideration, the proportion of the cases of tuberculosis in that borough has ranged anywhere from 46 percent to 65 percent of the city's cases. In 1950, though its population was now only one-fourth that of the city, it still had 49 percent of the total cases.





Source of Reporting

A limited amount of information with regard to the source of reporting of tuberculosis cases in New York City is available for the eight-year period, 1943-1950 (see p. 17). It is illustrative therefore of present conditions. Of 63,297 tuberculosis cases registered during that period, almost half, namely 46 percent, were brought to attention by institutional authorities. Many of the cases had been found in various hospital services, others were registered for the first time by tuberculosis institutions where doubtful cases had come in for observation or even for treatment. Twenty-nine percent of the total cases were reported by clinic authorities, where so many "suspects" or "contacts" come for examination. Only one report out of every seven, or 15 percent, was received directly from medical practitioners. Out-of-town sanatoria, where patients had gone directly for care, reported six percent of the new cases. In other words over half of the cases were reported by institutional authorities. This tends to indicate that it is primarily among the sick that most of the active cases of tuberculosis come to light.

At the moment no exact figures are available with regard to new cases found and reported in the various mass surveys. However, it is important to recall that these mass X-ray surveys are conducted among the apparently healthy population and therefore obviously should not be expected to reveal as much tuberculosis as among people who, for some cause or other, have decided to visit a physician or go to a clinic or are in hospitals for various ailments. As a matter of fact, despite the fact that in New York City in recent years between 500,000 and 600,000 apparently healthy people are X-rayed annually in mass surveys, the observation has been made by competent authorities of the Bureau of Tuberculosis that it is still mostly from the older standard places that the tuberculosis cases are reported.

We must always bear in mind that the assumption that there is a material number of unknown cases in the community is debatable. Such persons as do develop active disease are apt, in most instances, to become aware of pretty definite symptoms; it is only natural to expect that of their own accord, particularly nowadays when health education has been so widespread, diagnostic facilities so readily available, they will seek treatment somewhere and therefore become known and reported.

Unreported Cases

However, there are still a number of cases of active tuberculosis who are in the community and do not come to the attention of the public health authorities for some time. This is particularly illustrated by the fact that, for instance in 1950, an additional 558 cases were identified as existing through death certificates where it was stated that they had died from pulmonary tuberculosis; and, yet, upon checking their names against the tuberculosis rosters they were not found to have been previously registered (see p. 17). This is a serious matter when one considers that these victims of a pro-

gressive communicable disease may have in the meantime been spreading infection particularly among their household or family contacts. During the eight-year period, 1943-1950, the proportion of such unreported cases identified only as existing at the time of their death has varied; it was as high as 14 percent in 1947. Experience shows that the proportion remains consistently higher in certain parts of the city.

Stage of Disease

During the eight-year period 1943 to 1950 inclusive, the annual number of new cases of pulmonary tuberculosis coming to the attention of the Health Department, including both those originally registered or those identified through death certificates, has ranged annually between 6,200 and 8,300. The stage of disease at the time of reporting is available for the great majority of cases (see p. 18). There is a rather striking similarity in the extent of involvement or stage of disease found in cases running through all these years. This is unexpected in view of the fact that most of the campaigns of the day, either through health education or mass X-rays, were directed mainly at securing an early diagnosis so that of course results of treatment would be more favorable.

In 1943 one-third, or 34 percent, of the reported pulmonary cases were said to be in the minimal stage. During the following eight years the proportion of these comparatively early cases rather than increasing has actually decreased until in 1950 the minimal cases comprised only 21 percent of the entire group.

Cases of moderately advanced pulmonary tuberculosis have hardly varied in their proportion of all cases during that time. In 1943, 37 percent of the cases reported were in the second stage; the only variation was in 1950 when their proportion rose to 43 percent.

Accordingly it is not surprising to find no very great improvement in the proportion of cases of pulmonary tuberculosis already found far-advanced at the time of their registration or reporting. Outside of the year 1943, when they made up 29 percent of the total, their proportion has varied only between 35 and 37 percent.

This constancy, of the distribution of the stages of disease among pulmonary cases, one of the authors of the present review (G.J.D.) has observed over a long period of years in his contact with tuberculosis work in this city. At the same time he also found a similar prevalence reported in imperial Germany among cases before World War I that were under the care or observation of various insurance groups at that time.

The belief that somewhat arbitrary special measures to discover cases of tuberculosis in an earlier stage should be successful runs counter to an important point, especially if we recall that in many instances, when active tuberculosis flares up, it is apt to develop progressively rather rapidly, more so than is usually thought of.

The inherent difficulty is that we are always facing the more or less natural evolution of the development of pulmonary tuberculosis. True, the course may be modified in exceptional cases by individual resistance or susceptibility; but in the main there is quite a normal course to this infection, as in many others, which social measures are not apt to modify easily.

The constancy in the development or spread of disease as manifested or visualized by a classification of cases according to their stage is also illustrated when one looks over tuberculosis hospital reports. For instance, in the available records of the Tuberculosis Sanatorium Conference of Metropolitan New York, which cover annually between 23,000 and 26,000 patients, it has been reported almost continuously over the years that the condition on admission as brought out by stage of disease has remained similar. For instance, in the year 1940, only ten percent of the cases admitted to these institutions were in the minimal stage and 55 percent far advanced. Nine years later the proportion of minimal was eleven percent and that of the far-advanced 50 percent.

It is true of course that these proportions as to stage of disease of patients hospitalized are different from those in the reports of cases when first registered with the health authorities. On the other hand, it is obvious likewise that it is those with active disease that are brought or sent to institutions for treatment. But it still remains a most serious matter however to realize that even nowadays — when there are many social service organizations, expert clinic staffs, and consultation services for private physicians' cases all eager to assist in the placement of active cases — to find that even then, on the first day of admission to the hospitals or sanatoria, one-half of all the patients are already far-advanced cases of pulmonary tuberculosis.

Tuberculosis in Different Racial Groups

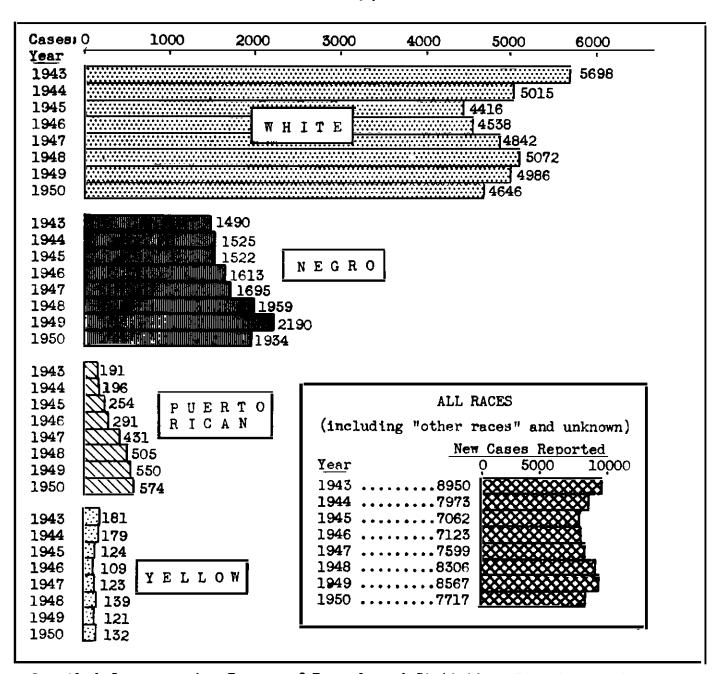
The problem of tuberculosis in New York City has always been complicated by the presence of large blocks of the population of different racial origins. Among these have been immigrant groups with different standards of living, limited economic resources, and as yet unaccustomed to the daily life and competition in this great center of population. Many in such groups came from rural areas rather than urban centers, and they always display at first a low degree of resistance to the conditions which favor the development of tuberculosis in such a congested center like New York City.

We shall refer again later to mortality rates, during the first half of the present century, among the foreign-born of different nationalities. But at the moment it is worthwhile, when we are considering the morbidity from tuberculosis rather than mortality records, to see what reports are available for certain racial groups now living in New York City (see Fig. 4).

With regard, first, to three large groups now in the community, namely, the whites, the Negroes and the Puerto Ricans who have been coming here in increasing numbers lately, and second, the small

New Cases of Tuberculosis According to Race New York City, 1943-1950

Fig. 4



Compiled from reports, Bureau of Records and Statistics, Department of Health, City of New York, by G.J. Drolet and A.M. Lowell, New York Tuberculosis and Health Association.

number of the Yellow race, there are interesting detailed records of the trend of tuberculosis among them during the eight-year period 1943-1950. May it be recalled for a moment that at the time of the Federal Census in 1950 the white population in New York City was said to number approximately 7,120,000; the Negro population, 748,000; and the "other colored", mostly Indians, Chinese, Japanese, 28,000.

In 1943 the number of new cases of tuberculosis reported in the white population was 5.698. In 1950, their number had declined by nearly one thousand, namely to 4.646, indicating at that time a registration rate of 65 per hundred thousand while the city average for all groups was 98.

Among Negroes 1,490 new cases of tuberculosis were reported in the year 1943, and in 1950 with their population larger they numbered 1,934. The report for the last year mentioned would indicate a prevalence or registration rate of new cases of tuberculosis of 259 per hundred thousand or slightly under four times that of the white population.

As previously stated there has been lately a very large and rapid immigration of Puerto Ricans into New York City. The special report of the Welfare and Health Council of New York City already mentioned estimated that in 1950 there were a quarter of a million persons here, born in Puerto Rico or of Puerto Rican parentage. The proportion listing themselves as Negroes is not necessarily high, around nine or ten percent; this however, does not take into account those with partial colored inheritance. A number are also of Indian stock. The reports of new cases of tuberculosis among Puerto Ricans have grown naturally with the increase of their numbers here. In 1943, for instance, 191 new cases of tuberculosis were registered among Puerto Ricans; in 1950, 574. This last number in relation to the population then classified as Puerto Ricans would indicate a tuberculosis registration rate for new cases of 233 per hundred thousand. This is a rate slightly under that for the exclusively Negro population; however, it is still three-anda-half times that recorded for the white population.

Among those of the Yellow race, a more or less even number of new cases has been reported between the years 1943 and 1950, ranging between 123 in 1947 and 181 in 1943. In 1950, tuberculosis cases among people of the Yellow race numbered 132 and, in relation to the comparatively small part of the population they represented, this would indicate the extremely high rate of 473 per hundred thousand, or twice as high as for instance emong Puerto Ricans. However, it is to be noted that this group includes an unusually high proportion of men in the period of life when tuberculosis is more prevalent. As a matter of fact, in 1950, of the 132 cases in members of the Yellow race, there were only 20 in the female sex and 112 were among men, mostly past the age of thirty.

These reports of tuberculosis in various groups in New York City illustrate one of the constant problems in the control of tuberculosis here, namely that, apart from the attention which has to be given to it among the permanent and long established part of the population, that which must be intensified to face the continued and large immigra-

tion coming here or passing through all the time. Years ago the tuberculosis problem was extreme particularly among immigrant groups such as the Irish, the Germans, the Italians and the Jews.

Immigration of this type, particularly of the first three groups, is now practically at an ebb; on the other hand there have now come here from other parts of the United States and its territories the very large numbers of Negroes and, lately, of Puerto Ricans. It is to be noted however with regard to this aspect that as the years go by, with the benefit of public health services and hospital facilities along with betterment of their social condition, in practically each of these groups it is but a short time before a marked lowering of the incidence of tuberculosis among them also occurs. The subject will again be referred to when we pass on from morbidity records to additional details in the mortality records of the past fifty years among different nationalities.

Sex Differences

Certain characteristics as to age and sex with regard to cases of tuberculosis among the various racial groups now present in New York City are worth noting, for they have an impact on preventive programs or facilities for the care of the victims of the disease among them. First of all, in the white population there is now a greater occurrence of tuberculosis in the male sex than in the female sex. In 1950, among the new cases reported, 3,212 were white males and 1,434 white females (see p. 21). Then again in the first group the age concentration, as far as numbers of cases are concerned, was greatest among men 45 to 55 years old. Among white women reported as suffering from tuberculosis the largest number was among those 35 to 45 years of age.

In the Negro population there was not such a disparity between the two sexes. For instance in 1950, among the new cases, there were 1,017 of the male sex and 917 of the female sex. The largest number of cases among men was among those 35 to 45 years of age, but among the Negro women, the concentration of cases was at an earlier age, namely, between the ages of 25 and 30.

Among cases of tuberculosis registered these days among Puerto Ricans, an entirely different ratio exists; there is an excessive amount of tuberculosis among Puerto Rican women. In 1950, of the total 574 new cases reported among Puerto Ricans, 244 were in the male sex, with the age concentration being in the very young group, 20 to 25 years of age (see p. 22). In the female sex where there were 330 new cases reported, which is almost fifty percent more than in the male sex, the concentration of cases was highest in the young group also of 20 to 25 years of age. Cases of tuberculosis in the Yellow race group of the population occur, as mentioned previously, mostly among men and they are spread fairly evenly in the age groups between 35 and 55 years of age. The few cases among the women of the Yellow race are generally in the younger age groups between 15 and 30.

* * *

"SPREAD OF TUBERCULOSIS"

IN a community like New York, covering such a large area and including a vast population, effective control of a serious communicable disease like tuberculosis demands definite knowledge as far as possible of its distribution and concentration among various groups of people and particularly in different neighborhoods.

For a closer appreciation of the trend, spread and distribution of tuberculosis during the fifty-year period 1900-1950, there have been available over the years segregated data classified along borough lines. But even these five divisions of New York City are in themselves too large to give precise knowledge of the local incidence of tuberculosis. The rates for each borough in great measure represent averages, some times theoretical midpoints between extremes of high or low rates of prevalence locally and therefore may lack reality, though for broad administrative plans they are still useful.

During the first quarter of the present century the Department of Health's vital statistics were classified and reported upon along local older political boundary lines that had fast become impractical. The shifts, spread, and increase of population nullified the possible comparative value of these rigid records. The divisions referred to were the old wards of the city: twenty-two of them, for instance, in the Borough of Manhattan, only two in the Bronx, thirty-two in Brooklyn. only five in the largest borough of the city, Queens, and five in Richmond. The disparity as to the populations involved in these wards is well illustrated, for example, by referring to the Federal enumeration of 1920: in the Twelfth Ward of Manhattan there were 951,904 residents. On the other hand, in the Second Ward there were only 372. Another ward, the Third, had 1,227 residents. Or again, the Nineteenth Ward had a total population at that time of 285,396. In Brooklyn almost as great non-comparable divisions existed; while the Twenty-sixth Ward had a population of 246,591 in 1920, the Second Ward had only 5,642.

Mention should be made however that in those years already there was being evolved by an independent group working with the Census authorities — the population section of the Federation of Churches and subsequently the Cities Census Committee both of them guided by that remarkable pioneering spirit, the Reverend Dr. Walter Laidlaw — a so-called census tract system for New York City based on a standard small unit generally of 40 acres in size against which population enumerations and other statistics could be classified. Outside of occasional minor studies along these new lines, and one very valuable analysis of the mortality returns of the sanitary areas in the Borough of Manhattan for the year 1915 by Guilfoy and Wynne (4), practically no use or connection of this important population background had been made with the Department of Health records.

In 1927 fortunately, representatives of the New York Tuberculosis and Health Association, the Department of Health, and the Welfare Council working together under a committee headed by Drolet, the statistician of the first-named organization, formally evolved the important and now widely-used Health Area System of New York City(5).

In 1926 the Department of Health approved the plan for the classification of its vital statistics by Health Areas in New York City. Reports were published along these lines beginning in 1929 and they have had a very wide practical application since.

Health Center Movement

At this point it is important in the record of accomplishments of those days to refer to the District Health Center Plan(6) of New York City which is now playing so vital a part in bringing the facilities for public health service and protection on a neighborhood basis close to the homes of the people. An appreciation of the vital statistics during the last twenty years of the first half of the present century demands reference to the district health center movement.

In 1915 New York City's first District Health Center was established in the Lower East Side on an experimental basis to test the value of local administration of the functions of the Health Department and to develop a community spirit with respect to health conditions in that district. It was the first independent step based upon the fact that the work of the Department of Health and of private agencies could be so coordinated that efficiency would be improved and the volume and quality of service be increased. The area which it covered had about 30,000 local residents. The system was also tried in a limited way in the Borough of Queens; these first steps were not developed further at the time.

In 1921, following World War I and the keener realization of cooperation among all citizen groups and authorities, the New York Chapter of the American Red Cross opened the East Harlem Health Center. There, the Department of Health and a group of twenty-one voluntary agencies joined hands in facing the many health problems in that section of Manhattan. A great deal of practical experience in the coordination of public and private agencies and the rendering of service on a larger neighborhood basis was obtained which had a profound influence upon the health movement in succeeding years. Subsequently, the East Harlem Health Center was brought into the municipal group of these local institutions.

Then in 1926, with the support of the Milbank Memorial Fund, the Bellevue-Yorkville Health Demonstration was formally inaugurated in the area extending from East 14th to East 64th Street which included some 200,000 people. The remarkable achievements of that undertaking in public health and social service have been interestingly described by Winslow and Zimand(7). Thereafter there was no more questioning of the value and practicability of public health service on a neighborhood basis.

It is worthwhile digressing for a moment to refer to the practical part played by the organization of the vital statistics

records of New York in the development of plans for health center districts all over the city. Under the aegis of the Committee on Neighborhood Health Development, Drolet and Potter(8) prepared a formal report in 1930 entitled "Proposed Health Districts, New York City" -- wherein aggregating a certain number of health areas into definite neighborhoods, they led to the adoption of an official division of the City of New York into thirty health center districts. The constructive use of the new data becoming available in those days was reported upon by Drolet and Weiner(9) at the meeting in 1931 of the American Public Health Association in Montreal.

In 1930, in rented quarters, a Department of Health Center was opened in Central Harlem to serve a population of nearly 200,000, predominantly Negro. The economic depression of these days delayed for a while the erection of new District Health Centers. However, the plans for the organization of the work of the Department of Health on this basis developed apace and in 1934 the Department formally decentralized its services and reorganized them under a neighborhood district plan.

Local Trend of Tuberculosis, 1930-1950

Between 1930 and 1950 the annual number of new cases of tuber-culosis reported in New York City was, as previously mentioned, materially reduced, namely from 12,506 during the first year quoted to 7,717 during the last year, a decline of 38 per cent (see p. 14). In Manhattan the reduction in new cases was at a slightly lesser rate, their number falling from 5.847 to 3.847, or by 34 percent. In the Bronx the reduction was greater, namely by 43 percent; and, in Brooklyn it was still more, the number being almost cut in half, from 3.546 to 1.948 or by 45 percent. In the Borough of Queens the reduction in the number of new cases was least, 32 percent, not necessarily because of a higher incidence of tuberculosis but owing to the extreme increase of population.

Within the various parts of the city, the change as to the local incidence of tuberculosis has naturally varied. In Central Harlem the number of new cases during that twenty-year period of 1930-1950 fell from some 1,100 to 800, or by 29 percent, as against a city average reduction of 38 percent. On the Lower East Side the rate of decline was still less, 21 percent.

In the Bronx there has been a rather marked deterioration of the dwelling sections in Mott Haven and Morrisania, which, along with overcrowding, has materially reduced the rate of progress there against tuberculosis. As against an average decline of 44 percent in that borough, in Mott Haven the number of new cases reported during the past twenty years has fallen by only 14 percent; in Morrisania by 25 percent.

In Brooklyn the tuberculosis problem in the Bedford Section has remained almost as great as it was years ago. The number of new cases reported there between 1930 and 1950 came down by 5 percent only. In the Fort Greene area of that borough the reduction in cases likewise has not been at as great a rate either as in the remainder of Brooklyn.

Districts just mentioned -- Central Harlem, in Manhattan; Morrisania and Mott Haven, in the Bronx; Bedford and Fort Greene, in Brooklyn -- have become predominantly Negro or Puerto Rican areas. Care must be taken in the reading of the reports of new cases to bear in mind that they refer to their absolute number and not to the rate with due regard to changes or increase of population.

It is therefore worthwhile to quote now a few figures with regard to the registration rates for new cases (see p. 15). Between 1930 and 1950, the rate for New York City as a whole changed from 180 per hundred thousand population to 98. During the first year of the period mentioned, against an average rate for the city of 180, that of Queens was 116, of the Bronx 132, of Brooklyn 138 and of Manhattan 313.

In 1950 there was still a wide variation in the tuberculosis registration rates in the various districts of the city. As against an average for the city of 98 per hundred thousand population for new cases reported during the year, a low rate of 45 prevailed in the Flushing section of Queens. In Brooklyn the lowest rate was in Flatbush, 35, and the highest in Fort Greene, 130. In the Bronx there were differences all the way from the rate of 34 in the Westchester District to a rate of 125 in Mott Haven. In Manhattan, in six of the health center districts of that borough the rate exceeded 100. It was 79 per hundred thousand population for new cases alone in Kips Bay-Yorkville, in upper midtown; 263 in the Lower East Side; 276 in the Lower West Side; and, 364 in Central Harlem, a rate more than ten times the rate in the Flatbush area of Brooklyn.

Reference has been made previously to the registration rates in the two important racial groups of the City of New York, the white and non-whites, with regard to the reporting of new cases only. The real prevalence of tuberculosis however is not to be fully appreciated unless we look in various years at the register of both the old and the new cases. For instance, on the last day of 1930 there were in the tuberculosis register of New York City a total of 18,866 cases of pulmonary tuberculosis, and on the same day of 1950 there were still 17,985. The last two figures are urgent reminders that, though the case fatality rate of tuberculosis has been reduced because of improvements in the treatment of the disease, as far as the volume of cases of tuberculosis requiring care is concerned it is almost as great in size as it was some twenty years ago.

On the last day of 1950, considering cases of all forms of tuberculosis, pulmonary and non-pulmonary, the Department of Health records contained the names of 19.059 persons, residents of New York City. Of these 7.411 were of the female sex and 11.648 of the male sex. On the basis of race, 12.472 were whites, and 5.725 were non-whites. Among the colored the cases of tuberculosis in each sex were not materially different in number. However, in the white population 4,396 of the tuberculosis cases were of the female sex as compared with 8.076 being of the male sex.

Present Prevalence of Tuberculosis in New York City

It is customary nowadays when referring to the results of case findings in mass surveys of the apparently healthy population to speak of the number found per each one thousand persons X-rayed. More recently the average number so found has been around one or two cases of tuberculosis for each 1,000 persons. Similarly it is worth studying the present prevalence of known cases of tuberculosis in New York City. The 19,059 cases of tuberculosis on the Department of Health register on December 31, 1950, would indicate in relation to the population a prevalence rate of 2.41 for each 1,000 persons. Wide differences of this rate are found in different sections of the city. First must be noted in the Gravesend District of Brooklyn, with a population of nearly 300,000 people, that the 256 known cases there represent a prevalence rate of 0.91 or slightly less than one per thousand. This is the lowest rate in any section of New York City. In the same borough of Brooklyn, there is a rate in the Bedford District of 2.4 per thousand population, a similar rate in Williamsburg-Greenpoint and, finally, one of three per thousand persons in the Red Hook-Gowanus District.

In Queens, the range in the prevalence rate for all known cases on a given day is from 1.37 in the Flushing area to 2.01 in the Astoria-Long Island City section, the borough averaging 1.67. Among residents on Staten Island the prevalence rate is 1.49. In the Bronx the borough has an average prevalence rate of 1.82, the lowest being in the Westchester District. 1.13, and the highest being three times as high or 3.01 in the Mott Haven area. It is 2.52 in Morrisania.

In Manhattan the figures again indicate a very high prevalence rate of tuberculosis. First, there is the high average for the borough as a whole of 4.35 per thousand population. The rate is lowest in the Riverside District, west of Central Park, where the prevalence rate is 2.18, followed by a rate of 2.26 in Kips Bay-Yorkville and of 2.3 in Washington Heights, of 4.96 in East Harlem — in other words, twice the average — and finally a rate of 9.71 in Central Harlem. The latter is ten times the rate in the Gravesend District and indicates a known prevalence of tuberculosis in one percent of the entire population of Harlem.

Tuberculosis Morbidity Rates

In dealing with statistical aspects of known cases of tuberculosis there are a variety of indices that need clarification
or restatement to understand their limitation or their significance.
The most common figure deals with only the new cases reported
during the year. The second and more practical index is the one
which considers at least the total known problem on a given date,
generally the last day of the year. But even then we have not
before us the total tuberculosis problem as known during an entire
twelve-month or one-year period. To illustrate the last mentioned
point and its weight, it is worthwhile referring for a moment —

where the records are available -- to all additions and removals for a given year as well as to those cases already under supervision at the beginning of the year. For instance, in 1908, the Department of Health records permit such a presentation at least for the known cases at that time. First, at the beginning of the year, namely on January first, the Department of Health roster already included or had knowledge of 33,421 cases of pulmonary tuberculosis. That year in addition, 23,325 new cases were reported so that in reality there were known to the authorities for just a twelve-month period no less than 56,746 cases of pulmonary tuberculosis in New York City (see p.23). This grand total of all known cases during certain years has varied from the 56,746 just mentioned in 1908 to 45,548 in 1920, 37,787 in 1930, 29,849 in 1940, and to still 30,017 taking tuberculosis cases of all forms for the year 1950. Even though during the ten-year period 1940 to 1950 the mortality rate has declined materially, it is surprising to find the maintenance of a practically level number of known cases during those years.

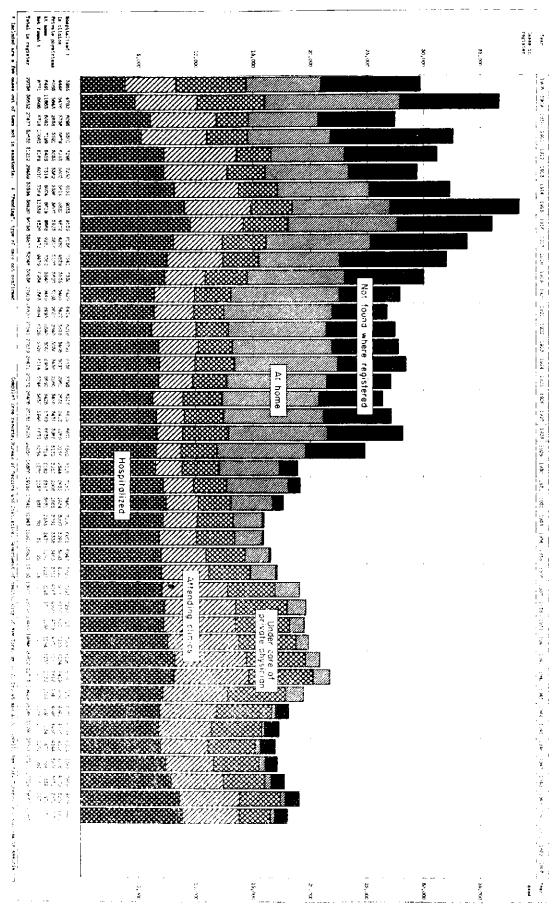
Type of Care

New York City being the original home of the registration of tuberculosis has a continuous record that provides an interesting opportunity to see how over the years, generally speaking, the tuberculosis cases have been cared for — at least as to the type of institution where they were treated or whether they went to clinics or private physicians. The classified register is best available for these details during the forty years from 1910 to 1950 (see p.27). In the first year just mentioned, on December 31, there was a total of 27,477 cases of pulmonary tuberculosis. Of these twenty-seven thousand cases, only 2,838 or ten percent, were reported as being under the care of private physicians. The largest number, 5,736, were attending tuberculosis clinics; this group included twenty-one percent of the known cases (see Fig. 5).

In institutions, namely hospitals within the city, there were said to be, on the last day of 1910, 3,648 tuberculosis cases. At that time there were already quite a number of patients in country sanatoria or in out-of-town health resorts, namely 2,445; they comprised about nine percent of the entire group of known cases. Remaining at home, not attending at the time either a clinic or going to a private physician, were no less than 6.082 cases. They were of course under a certain degree of supervision by the Department of Health though it was the very first year when the worthwhile calls of public health mirses became possible. Finally, 6.728 cases had been lost track of or rather had probably moved and could not be located at the address where they had been registered at first.

Over the years the number of tuberculosis patients under the care of private physicians has ranged from the low number of 2,600 at the end of 1921 to a total of 5,655 at the end of 1942. The group of cases of pulmonary tuberculosis under the care of private physicians has again dwindled down in recent years to 2,770 in 1950.

CARE, PULMONARY ON DECEMBER 31ST OF EACH **TUBERCULOSIS** YEAR SINCE 1908 CASES IN NE ¥ YORK CITY



Throughout the years the tuberculosis clinics in the various districts of New York City have played an important part in keeping under their care or observation a large number of tuberculosis cases. Of course, frequently after they had been diagnosed as having active tuberculosis, the patients were referred to institutions for treatment but again after their discharge they returned for follow-up to these same neighborhood clinics. On the last day of the year 1910, there was a total of 5,736 cases of pulmonary tuberculosis under the care or observation of the tuberculosis clinics. The number attending these clinics has varied materially at times; at the end of 1929 -- "times" were still good that year-it was as low as 2,136. On the other hand the number again became large, especially between 1937 and 1942; in that last year it rose to 6,419. By 1950 there were still almost some 5,000 tuberculosis cases under the care or observation of the clinics.

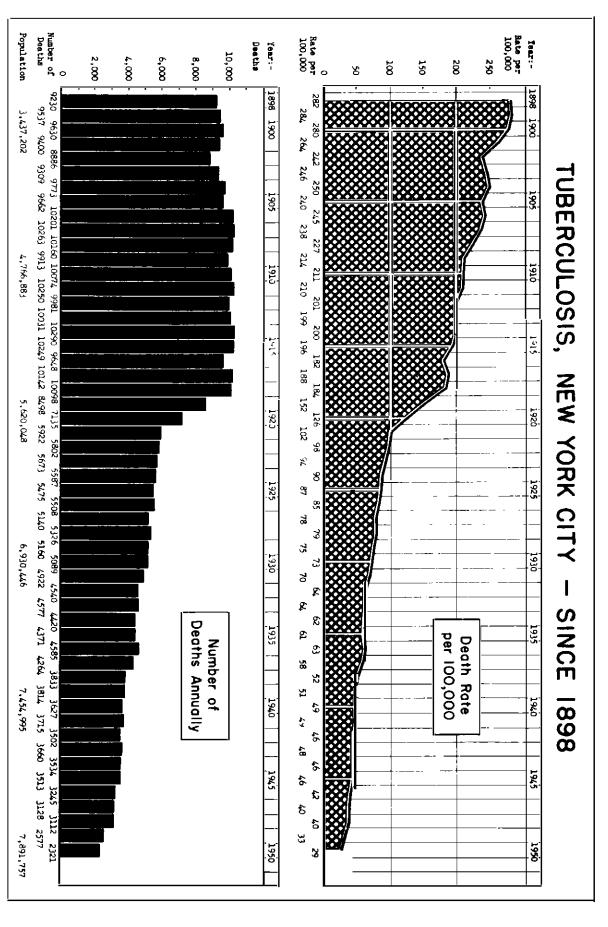
Now as to the all-important group of patients hospitalized; their number has varied of course with the facilities available. In 1910, at the end of the last day of that year, there were said to be 3.646 patients in institutions within the city; another 2,445 in sanatoria or in health resorts. The number of patients hospitalized within the city alone reached a peak first in 1916 when they numbered 6.651. Sea View Hospital had been opened in 1913 and it met a very great need. The numbers hospitalized dwindled down to a low of 3.041 in 1922, and then started to rise again. The increase in hospitalization between 1940 and 1950 has been rather important and must be acknowledged to have played a material part in the corresponding decline in new cases during this period.

The number of patients out of town in sanatoria -- mostly private institutions originally has not varied materially throughout the years, ranging between 2,000 and 3,000 at the most. It has tended if anything to decrease slightly lately now that the "means test" in public institutions has been abolished. On the other hand a limited number of cases, residents of New York City, are now being cared for in upstate public institutions.

As noted, a large part of the tuberculosis roster formerly consisted of "at home" cases -- patients not attending clinics or who had failed to return to their doctor for some time. From numbering 6.082 in 1910 the "at home" cases rose to 9.495 in 1921. Nowadays, fortunately, that number of delinquents has been practically wiped out. Similarly there is not the same material number in the register of so-called not found cases.

The changes in the classified register just described shed light on a unique picture of the ebb and flow of the tuberculous members of a great city.

* * *



Compiled from reports, Bureau of Records and Statistics, Department of Health, Sity of New York, by G. J. Drolet and A. M. Lowell, New York Tuberculosis and Health Association.

TUBERCULOSIS MORTALITY, NEW YORK CITY

OVER the years and in different places records of mortality from tuberculosis have remained the more definite comparable index of the ravages of the disease. Registration of new cases is apt to be more incomplete and for that matter it is more difficult in the early stage to say whether a case is truly one of active disease or not. Then too the general requirement of filing reports of all deaths assures a higher degree of reporting; finally tuberculosis in its terminal stage particularly the pulmonary form is a matter of common knowledge. It is therefore of importance to study more closely the various aspects of the tuberculosis mortality in New York City during the first half of the present century.

During the fifty years between 1900 and the end of 1949, there were recorded in New York City almost three hundred thousand deaths from pulmonary tuberculosis (290.267). At the same time nearly forty-one thousand other deaths (40.947) were reported as due to the non-pulmonary forms, such as tuberculous meningitis, miliary tuberculosis, and other tuberculous conditions more common among children (see p. 38). The total number of these premature deaths (331.214) caused by tuberculosis is greater, for instance, than the entire present population of cities like Rochester, New York, or of Atlanta, Georgia.

During the twenty years beginning in 1900 the non-pulmonary type of deaths from tuberculosis was proportionately greater than at present; opportunities for infection from bovine sources were widespread at that time. It was only towards the end of the second decade of the present century that control measures against this source of infection came into effect. Of the 97,197 deaths from all forms of tuberculosis, from 1900 to 1909 inclusive, 13 percent were due to the non-pulmonary forms. Again, between 1910 and 1920, when tuberculosis deaths totalled 99,261, those of the non-pulmonary type numbered 13,434 representing therefore nearly 14 percent of the total. The proportion of this type of mortality gradually came down until it was reduced to 8 percent during the decade of 1940 to 1949.

As against almost one hundred thousand deaths from tuberculosis being recorded during each of the first two decades of the present century, during the ten years from 1940 to 1949 the number fell to 33,613, or by two-thirds.

Declining Death Rate

The tuberculosis death rate declined continuously during the first half of the present century. Whereas in 1900 it was still 280 per hundred thousand population; in 1910 it was 211; in 1920, 126; in 1930, 73; in 1940, 49; and by 1950 it was down to 29, a decline during that period of 90 percent. Progress was not at an equal rate during the several decades. During the first decade,

from 1900 to 1910, the rate declined by only 25 percent; between 1910 and 1920, there was a greater drop, 40 percent. It will be remembered that during that period occurred the most serious influenza epidemic which took thousands of lives in New York City. For some still unexplained reason it seems to have wiped out somehow a reservoir of infection or of cases for within two or three years thereafter the death rate from tuberculosis came down precipitously, in a manner which has not been repeated since.

Between 1920 and 1930, the tuberculosis death rate dropped from 126 to 73, namely by 53 points or by 42 percent. The decade which followed included, it will be recalled, during the early 30's, a serious economic depression resulting in wide unemployment and want. While it ultimately led to the widespread development of public relief, still its effects were felt broadly and the tuberculosis death rate declined during that decade at a lesser rate, namely by 33 percent. Between 1940 and 1950 the rate of decline, as is well known, was accelerated by the developments in specific therapy and a further drop of 41 percent took place, most of it after the year 1947 when streptomycin came into use.

It is rather striking when looking closely at the annual number of deaths, for instance between 1900 and 1918 inclusive, to see the constancy despite the obvious growth of population during those years in the number of victims each year; in 1900 there was a total of 9.630 deaths from tuberculosis; in 1908, 10.160; and in 1918, 10.098; the small increase noted between the first and last year being hardly commensurate with the growth of the city. It almost seems to suggest that there were certain groups of the population or certain types of habitations wherefrom there arose each year an almost identical number of tuberculosis cases and of deaths (see Fig. 6).

Then after the visitation of the influenza epidemic in 1918 there was the sheer drop in the tuberculosis mortality which took place almost immediately. For instance, the deaths in 1921 were already under six thousand, whereas only three years previously they had numbered over ten thousand. In the succeeding years the mortality declined rather slowly, not levelling down to 5.000 or less until 1930; then it hovered around four thousand until 1937. Up to 1948, tuberculosis deaths in New York City still numbered three thousand or more, but in 1949 and 1950 they came down sharply to twenty-five hundred and to 2,321 in the last year mentioned.

Differences in the Mortality of Each Sex

During the fifty years under consideration a sharp difference arose between the two sexes as regards their tuberculosis mortality. In 1900, for instance, when the deaths totaled 9.630, those in the male sex, 5.783, comprised 60 percent of the total mortality, the 3.847 in the female sex being the remaining 40 percent. In 1910 the proportion of the mortality of the male sex had already risen to 63 percent. It stayed around that level until 1940 when the deaths

in the male group were responsible for 66 percent of the total mortality. Finally, in 1950, almost three-fourths, namely 74 percent, of the mortality was suffered by the male sex while only 28 percent occurred in the female sex.

If one relates these numbers to the group of the population exposed we first find that in 1900, when the city rate averaged 280 per hundred thousand population, the tuberculosis mortality rate of the male sex was 338 and that of the female sex 222. At that time the ratio of the mortality of the male sex to that of the female was therefore 1.5 to 1.0. By 1950 the death rate in the male sex had fallen to 45 per hundred thousand population and that in the female sex was down to 15, or only one-third of that of the male sex.

Non-pulmonary Forms of Tuberculosis

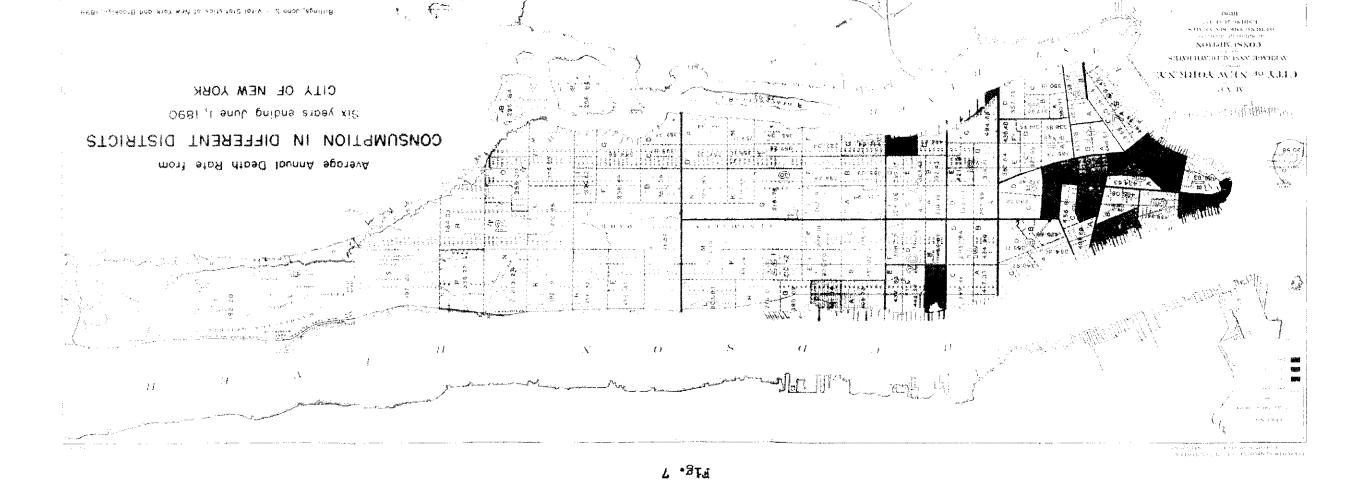
Mention has previously been made that formerly the non-pulmonary forms of tuberculosis were far more prevalent than nowadays. From a rate of 43 in 1900 it was reduced to 29 in 1910 and to only 2 by 1950, a mere fraction of what it was previously. As is well known, it is children who have benefited most from this practical eradication of active tuberculosis among them, the principal factors being, first, the increasing isolation of open cases of tuberculosis in hospitals; second, the development of steps for the control and eradication of bovine tuberculosis, including the general pasteurization of milk. These measures had a most marked and almost immediate effect on the situation.

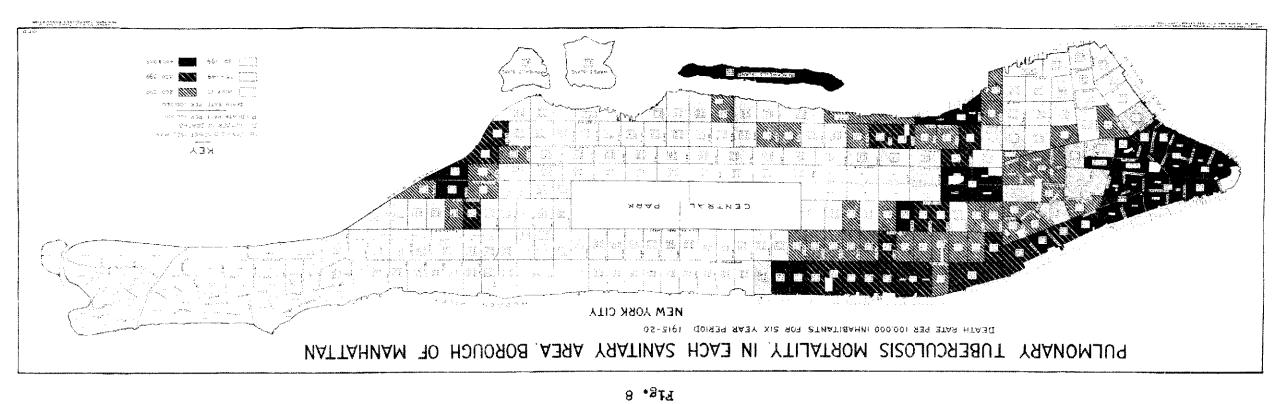
As against 1,476 deaths from the non-pulmonary form of tuber-culosis at all ages in 1900, there were only 167 in 1950. In 1900, 875 deaths from tuberculous meningitis were reported, whereas in 1950 there were only 67. For many years deaths from tuberculosis of the intestinal tract or of the peritoneum ranged between 100 and 200 annually, but by 1950 there were only 6 such deaths (see subsequent section, p. lxxi, Tuberculosis among Children).

"Consumption" in the 1880's

A rather remarkable record of health conditions in New York City and in Brooklyn in the late 1880's is to be found in a special report by Dr. John S. Billings(10) of the United States Army, an expert special agent of the Census Office at that time. (See Fig. 7).

Billings made a detailed study of the population, of general living conditions and of the vital statistics of different parts of both New York -- then including the Boroughs of Manhattan and the Bronx -- and of Brooklyn, which at that time was not yet incorporated into the Greater City of New York. Some of the data relate to mortality from "consumption" in those days. He remarks that during the six-year period ending June 1, 1890, the death rate from consumption, namely, pulmonary tuberculosis, in New York City averaged





392 per hundred thousand population. In Brooklyn it was much lower, but still high as compared with standards of today; the rate was 303. In different Sanitary Districts, as Billings then called certain sections, he found very great differences and sometimes unusually high rates. In the Second Ward of New York, in downtown Manhattan, slightly above Maiden Lane, there prevailed during those years a mortality rate from consumption of no less than 776 per hundred population. Billings remarks that people residing there suffered the highest mortality rates for most of all the common causes of death.

On the other hand, during the same years of 1884 to 1890, in the upper section of the West Side of New York City in Sanitary District K of Ward Twenty-two, located between West 68th and West 77th Street, the death rate, even at that time for consumption, was only 49 per hundred thousand population, or only one-fourteenth of that in Ward Two. Billings adds that the West Side area was "a beautiful residential section".

In Brooklyn, though the rate for that city as a whole was less than that of New York, still there was one section around Newtown Creek in Greenpoint where the pulmonary tuberculosis death rate during the six years under consideration had been no less than 1.046 per hundred thousand population. The lowest rate in Brooklyn, namely 96, was toward the Evergreen Section. Billings describes that area as one of "a suburban character, residential, with small individual dwellings".

Tuberculosis in the 1900's

To understand better the changes in the prevalence of tuberculosis during the first half of the present century, it is worthwhile
establishing a more definite picture of conditions during the earlier
years. We are told in the extremely interesting first annual report
(11) of the newly organized Committee on the Prevention of Tuberculosis of the Charity Organization Society of New York, now the New
York Tuberculosis and Health Association, that in 1901 there were
quite varied death rates from consumption in the different wards especially of Manhattan. In the section of the report on the Social
Aspects of Tuberculosis by Miss Lillian Brandt, then the statistician
of the Committee, we are reminded that, whereas in 1901 the death
rate from consumption in Manhattan and Bronx averaged 250 per hundred
thousand population, only eleven years previously, namely in 1890,
the rate was 341 (see Fig. 9).

In other words during that period the rate had come down by 91 points, or by more than 26 percent. Referring to this again the writer in the same report expresses her satisfaction in this manner: "Since 1890 there has been a decided improvement in the general sanitary condition of the city: the streets now are actually cleaned; several small parks have been introduced in the most crowded districts, displacing some of the worst tenement blocks;

recreation piers have been built; the milk supply has been brought under supervision; medical inspection has been established in the public schools; a corps of physicians under the direction of the Board of Health visits the tenements systematically every summer... Besides the municipal activities there has been an enormous development of private organizations which concern themselves, directly or indirectly, with the health of the poor..."

But a close study of the detailed reports given for different sections of the Borough at that time reveal that in parts of the city conditions were not all too favorable. First, recalling that the tuberculosis death rate from consumption averaged 250 per hundred thousand, the same report gives the rate for each of the twenty-two wards into which the central borough was then divided. Of these wards ten had tuberculosis death rates of 300 or more per hundred thousand population. Manhattan at that time had 1,850,093 in-habitants. In the Fourth Ward were residing some 19,000 people; the consumption death rate there in 1901 was no less than 506 per hundred thousand. The Fourth Ward was located between the East River and Park Row about Chambers Street; this district, originally marshland, was still known as "The Swamp". It is said that sailors' boarding houses were quite mimerous.

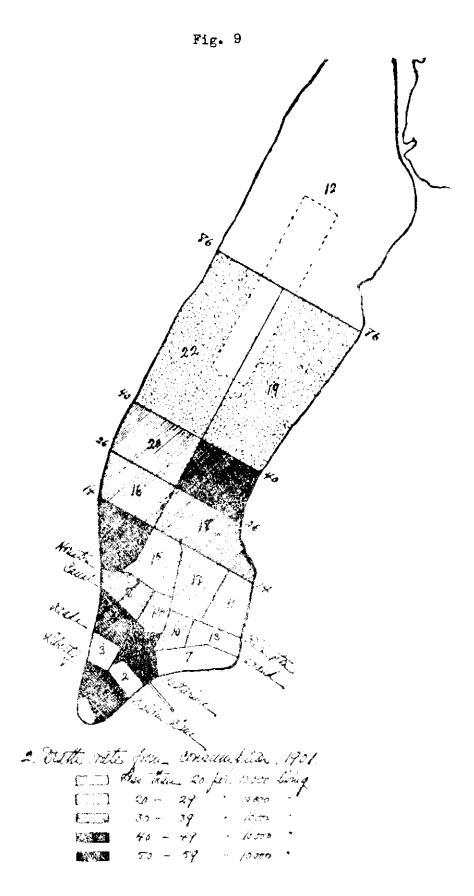
Even worse was the death rate from consumption in the Sixth Ward, 518 per hundred thousand. This was the section between Park Row and Broadway, Canal and Centre Streets. In that area were large manufacturing and business houses with tenements mixed in. The city prison. "The Tombs", was located there.

The lowest consumption death rate in 1901 in Manhattan was in the Thirteenth Ward, the area between Rivington and Grand Streets, from the East River to Division, the rate being 102 per hundred thousand people. Of that district, it is remarked, "it was well elevated and the houses built on good land. There was a large German population residing in that area."

In the report, previously mentioned, by Miss Brandt, some satisfaction seems to have been expressed also with regard to conditions in the Tenth Ward. And yet the consumption death rate at that time was 201 per bundred thousand. She remarks: "It is the large Hebrew element in the Tenth Ward which gives this notoriously congested spot a comparatively low rate of tuberculosis."

Pulmonary Tuberculosis, Manhattan 1915-1920

In 1922 Drolet (12), unaware at the time of the map showing the incidence of consumption in different districts of Manhattan in the 1880's previously prepared by Billings, published an almost identical presentation of the pulmonary tuberculosis mortality in each sanitary area of the Borough of Manhattan, also for a six-year period, but this time from 1915 to 1920 inclusive (see Fig. 8). The rates prevailing in the 1910's were, of course, much lower than those in the 1880's.



Manhattan by Wards

During the six-year period 1915-20, the death rate from pulmonary tuberculosis in New York City averaged 148 per 100,000 population. In the more recent Manhattan map, just mentioned, the tuberculosis rates were shown separately for almost 300 different sub-divisions of that borough. It is rather striking, when looking at both the Drolet and Billings maps, to notice much similarity, namely, some of the very highest tuberculosis death rates in the extreme lower sections of Manhattan, then a comparatively low prevalence in part of the East Side, again high rates in what might be called the Bellevue Mid-town section, likewise on the edge of the Lower West Side sections. However, for the first time, in the more recent map, appear new areas of high mortality rates mostly in East Harlem but spearing into Central Harlem itself.

Even during the recent six-year period just mentioned some thirty sanitary districts of Manhattan had death rates from pulmonary tuberculosis exceeding 400 per each 100,000 inhabitants. Areas of high tuberculosis rates were found along all of the Lower West Side and in every district south of Canal and Catherine Streets; in Harlem, north of 126th Street and east of Eighth Avenue towards the Harlem River; then in the central East Side between Fourteenth and Forty-fourth Streets. Some of the sections just mentioned were referred to at the time as the colored section in the "San Juan Hill" of the West 50's, the poor and rough district of "Hell's Kitchen", that of the longshoremen along the lower North River, also the very dense and poor district of "Little Italy" around Mulberry Bend and Chinatown.

On the other hand, comparatively low death rates from pulmonary tuberculosis were found in the Lower East Side, east of the Bowery and below Fourteenth Street, the district being mainly inhabited by a Jewish population. In the Lower East Side sanitary areas bounded by Avenues B and D and East Third and Ninth Streets, which is included in the East Side section just referred to, the death rate was only 69 or less than half of that of the city at the same time —although it is also added that the last Federal Census had indicated a density of 650 people per acre in this district.

The lowest tuberculosis mortality during the 1915-1920 period occurred in the district alongside Central Park, between East 63rd and 70th Streets and Fifth and Park Avenues. There, the rate was only 21 per 100,000 or but one-seventh that prevailing in the entire city.

The same study indicated that in two districts located down-town in the old sections around Mulberry Park, or in the very old houses still utilized below Liberty Street, tuberculosis was taking victims at a rate fifty times as great as in the Fifth Avenue district. Six persons cut of every one hundred living there died from pulmonary tuberculosis between 1915 and 1920.

All along Riverside Drive, north of West 70th Street, a low tuberculosis mortality prevailed, some districts having as low a rate as 32 per 100,000.

TUBERCULOSIS MORTALITY IN DIFFERENT NEIGHBORHOODS

DURING LAST TWENTY YEARS

THE tuberculosis death rate in New York City in 1930 averaged 73 per hundred thousand population and in 1950, it may be recalled, was down to 29. One is apt to think of the mortality rates from tuberculosis in recent years as comparatively low especially as against those mentioned for the earlier part of the present century. On the other hand, we must still be reminded that the number of deaths from 1930 to 1949 inclusive recorded in this city -- and quite a few additional ones occurred out of town -- totalled no less than 75,030. One doesn't generally think of tuberculosis as an epidemic, at least to be compared with the former dreaded acute scourges of the previous century, such as cholera, smallpox, yellow fever, and yet the largest number of deaths, for instance, from cholera in New York City in 1849 was responsible for but 5,071 deaths. Even though the influenza epidemic of 1918 was responsible for 12,562 deaths, it did not begin to equal the tuberculosis deaths during the recent five-year period 1945-1949, which totalled 15,575. It must be emphasized that tuberculosis is an epidemic, even if it evolves, as compared with more acute conditions, relatively slowly. There are records available of several communities, as for instance, in Norway, where can be seen quite clearly the comparative beginning of the tuberculosis epidemic arising in certain areas progressing northward and then falling back. Furthermore, the case fatality rate of tuberculosis, namely, the ratio between the new cases reported and the deaths annually as in 1950 in this country or in several others is still as high as 30 percent, almost one death in every third case.

In Each Borough

If one considers the mortality trend between 1930 and 1950 in the different boroughs of New York City this picture is presented. First, for the city as a whole, the rate was 73 and then 29 lately, a decline during that twenty-year period of sixty percent. In 1930, the tuberculosis death rate in the Borough of Manhattan was 126 and therefore 73 percent in excess of that of the city average. By 1950 in Manhattan the rate had come down to 55, or by 56 percent; that year, as compared with the city rate of 29, it was now 90 percent in excess of the city average. Between 1930 and 1950, the tuberculosis death rate in the Bronx dropped from 55 to 19, or by 65 percent; in Brooklyn, from 56 to 23, or by 59 percent; in Queens, from 46 to 19, also by 59 percent; and in Richmond, from 60 to 29, or by 52 percent.

In Each Health Center District

Reference has been made previously to the development of neighborhood health services during the early 1930's and the division of the city into thirty Health Center Districts for more effective public health administration. It is therefore worthwhile to review the trend of tuberculosis during that period in these different sections of the city (see p. 70).

In 1930, speaking from a quantitative standpoint, the largest number of deaths from tuberculosis in the Borough of Manhattan was first in Central Harlem; second, in the Lower West Side District; and third, in the Lower East Side. In the Bronx the largest number occurred in Mott Haven, next in the Morrisania District. In Brooklyn the largest number of deaths was in the Fort Greene District; followed by Red Hook-Gowanus District, and by Williamsburg-Greenpoint. In Queens during that period the largest number of tuberculosis deaths occurred in the Astoria-Long Island City District; on Staten Island, in the so-called St. George Division.

Relatively, with respect to the population in each of those districts, the tuberculosis death rate in 1930 in Manhattan was highest in Central Harlem where it was 251 per hundred thousand population while the city rate averaged 73 (see p.71). The second highest rate was among residents of the Lower West Side, 154; the third, in East Harlem, 136. In the Bronx at that time the tuberculosis death rate was highest in the lower section of the borough, the Mott Haven District, where the rate was 68. In Brooklyn the highest rate was in the Red Hook-Gowanus District, 110; followed by a rate of 98 in the Fort Greene section. Twenty years ago, the death rate in the Bedford District was still comparatively low, 55. In Queens the Astoria-Long Island City District had the highest death rate, 57.

During the three-year period 1929-1931, in seven of the thirty Health Center Districts of New York City the tuberculosis mortality rate was above 75 per hundred thousand population (see Fig. 10). Five of them were in Manhattan: the Kips Bay-Yorkville District, the Lower East Side, East Harlem, Lower West Side District, and Central Harlem. The rate for the city averaged 73 and those of the districts just mentioned were respectively as follows: 75, 118, 131, 163 and 244. In the remaining two Health Center Districts of Manhattan, Riverside and Washington Heights, the rates were respectively 70 and 71.

Only two districts in Brooklyn had higher rates than 75 during the three-year period 1929-1931: the Fort Greene section, 94 and, Red Hook-Gowanus, 101. It is to be noted that at the time the lowest death rate in the city for any Health Center District was in the Gravesend area of Brooklyn where the rate averaged 31.

Twenty years later, namely during the three-year period 1949-1951, the death rate for the entire city averaged 30 and in only one district, Central Harlem, was it higher than the 75 average of the previous years. There it was now half of what it was formerly, namely, 119.

In 1950 there was a slight shifting of the relative position of districts with high rates; whereas, formerly, East Harlem was included among those above the average, now, with a rate of 38 per hundred thousand, it was no longer in that group. The three districts of Manhattan with the highest rates in 1950 were the Lower East and

West Side sections and Central Harlem. In the Bronx the Morrisania District had now to be included with Mott Haven as having a death rate above the borough average; likewise, in Brooklyn, the Bedford District which now had the highest tuberculosis death rate of the borough rather than the Red Hook-Gowamus. In Queens there was hardly any difference in the death rates of the various districts. In Flushing it was as low as 12 whereas in the Jamaica West section, which includes a certain number of the colored, the rate was only 19.

The problem posed with regard to tuberculosis by newer arrivals, especially the colored and Puerto Ricans, is indicated partly by the shift in the mortality from tuberculosis in certain Health Center Districts. For instance, in the Morrisania District of the Bronx, where formerly there were few deaths in the non-white population of late there has been a continuous increase of them until their number is four and five times what it was twenty years ago.

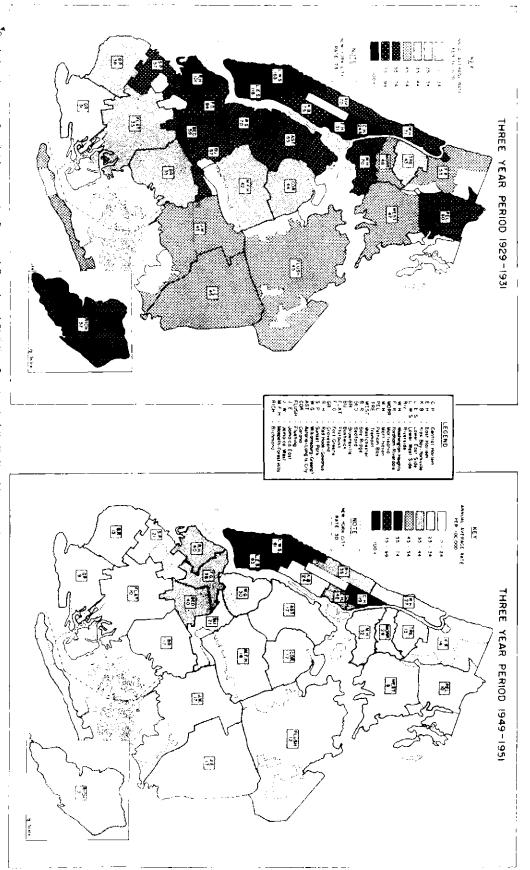
In Brooklyn, in the Bedford District especially, the growth of the problem of tuberculosis among the colored is indicated by the fact that the deaths from tuberculosis in 1950, numbering 99, were three times as mimerous as what they were in the same district during 1929. It must be added that this increase in mortality has occurred in a larger population group now than formerly. Similarly, in the Fort Greene District there has been continuously a large number of deaths from tuberculosis of non-whites. In Queens this group is located particularly in the South Jamaica section of the Borough.

* * *

Fig. 10

A GENERATION'S PROGRESS AGAINST IN NEW YORK CITY **TUBERCULOSIS**

DEATH RATE* IN EACH HEALTH CENTER DISTRICT



Residents only. Compi

Compiled from reports, Bureou of Records and Statistics, Department of Health, City of New York, by G.J. Drolet and A.M. Lowell, New York Tuberculosis and Health Association.

TUBERCULOSIS MORTALITY AMONG THE WHITE AND THE COLORED

BETWEEN 1900 and 1950 the white population of New York City increased from 3.378.000 to 7.120.000. The non-white population in 1950 was eleven times as great as it was at the beginning of the century, having risen from 67.500 to 783.000. The great majority of the non-white population is made up of Negroes; at the last census, the "other colored" numbered but 28.000. It is therefore natural that the number of deaths from tuberculosis in the non-white population has increased materially during the past fifty years (see p. 45).

In 1900 only 362 tuberculosis deaths among the colored were noted in the mortality of that year which totalled 9,630 for all racial groups (see Fig. 11). In 1919 the deaths of the colored were twice as numerous as formerly, namely 757 in the total mortality of that year, 8,498. By 1930 the deaths of the colored had risen to a thousand, 1,017 as against some four thousand deaths in the white population. The city's total was then 5,089. The largest number of tuberculosis deaths in the colored population, during the half century under consideration, occurred in the year 1936 when it reached a total of 1,146. More recently the deaths have again fallen below a thousand, and in 1950 they numbered 717 only; that year the tuberculosis deaths among the colored were practically one-third of the total mortality in the city.

In the first decade of the present century the tuberculosis death rate among the colored ranged from 511 per hundred thousand population to as high as 606. During the second decade it ranged between 422 and 594. During the third decade, namely from 1920 to 1929 inclusive, it was dropping materially but it still ranged between 257 and 383. During the fourth decade it remained serious but at a lower level, namely, between 209 and 298. Finally, between 1940 and 1950 though starting at 204, the rate went down to 92 in the last year mentioned.

It is of interest to note that in 1900, while the tuberculosis death rate among the colored was 536, it was slightly under twice the white rate, which was 274 in that year. In fact, for a few years prior to and around 1900, the ratio was even less; it was not until 1910 that it began to rise when at that time it was 2.8 times that of the white population. It seems to suggest that in those earlier days a material proportion of the colored were probably domestics or resided in the homes of families of white people sharing to a relative extent their food supply and their probably less crowded homes. Later with the great increase in the Negro population which took place and its concentration in congested areas they became fully exposed to all the dangers that a communicable disease like tuberculosis holds under such conditions. By 1925 when the colored tuberculosis death rate was 309, it had become four times as high as the white rate which was 77. In 1950 this same ratio is found since the rate, already mentioned, of 92 is to be compared with the rate of 23 in the white population.

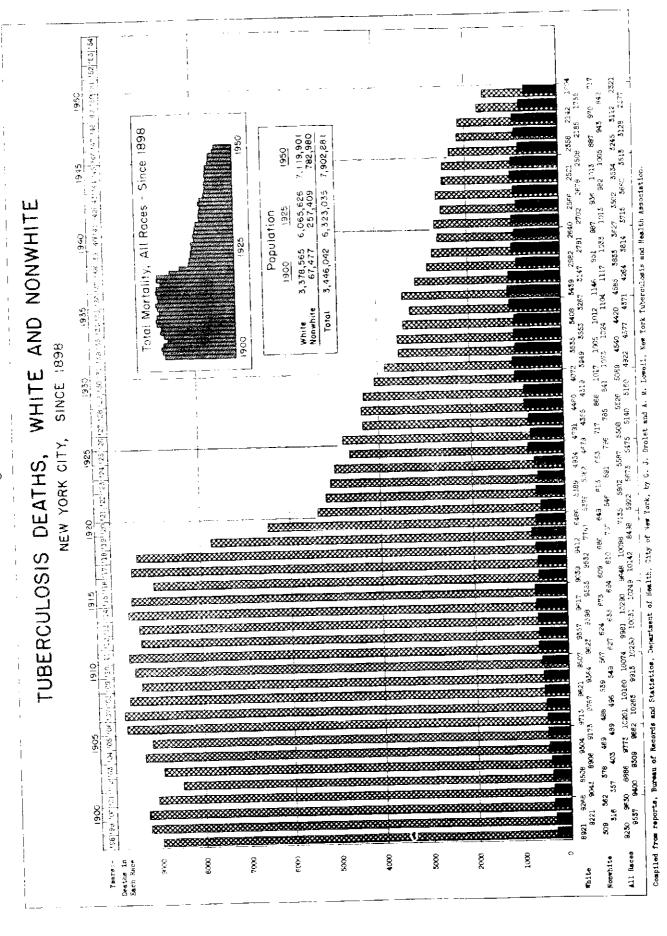
Between 1900 and 1950 the tuberculosis death rate of the colored fell from 536 per hundred thousand to 92 being therefore 83 percent lower now. At the same time, that of the white population was dropping down from 274 to 23, or by 92 percent. In the light of today, the tuberculosis death rate of 92 per hundred thousand population among the colored in 1950 is considered indeed unduly high. And yet it is very interesting to see how it compares with that of other racial groups when they were first caught in the maelstrom of life in a great city like New York. During the four-year period 1918-21, among residents of New York City born in Finland the death rate from tuberculosis of the pulmonary type only was 342 per hundred thousand, and among the 203,450 Irish enumerated at the census of 1920 the rate was 306, or more than three times the present rate of the colored. Even among 21,000 Scotch residents, the rate at that time was 181 or twice that of the colored now. And among the then native-born Americans, 3,620,000 in New York City, the rate was still 108 per hundred thousand population.

It is also worth noting that when tuberculosis among Negroes alone is considered, that is exclusive of the rate in other colored people, it is slightly lower than that of the second group. In 1950, for instance, the tuberculosis death rate of Negroes was 90, whereas that of the "other colored" was 121 per hundred thousand. It has however been previously remarked that the latter include an unusually higher proportion of men in the upper age brackets where tuberculosis is more rampant these days.

Separate information with regard to mortality from all forms of tuberculosis among Negroes only is available within each borough for the twenty-five year period between 1925 and 1950 (see p. 47). As well known there are marked differences in the tuberculosis rate in the different sections of the city for all groups of the population. In 1925 when the tuberculosis death rate among Negroes averaged 301 per hundred thousand in the city as a whole, it was 316 among those residing in Manhattan and 255 in Brooklyn. In Queens it was 146 or only half of the city average rate.

By 1950 the Negro tuberculosis rate in Manhattan had fallen by two-thirds, being now 100. In Brooklyn it was 93; and, in Queens, 77. The rates for the Negro residents of the Bronx are not altogether significant because of the small number of deaths involved at times and the relatively great changes that have taken place recently with the spread of the Negro population into the lower part of the Borough. However, when we look over the five-year period 1945-49 it would seem to suggest that at the present time the tuberculosis death rate among the Negroes in the Bronx is higher than in Brooklyn, though less than in Manhattan.

* * *



TUBERCULOSIS IN DIFFERENT NATIONALITIES

NEW York City has been a unique stage whereupon to see the reaction of different nationalities to tuberculosis. We have already referred to the rates of the two principal racial groups, the white and the colored. While in recent years there are only limited records available as to the composition of the different national origins of the people living in the city now, and especially of the tuberculosis mortality of these various groups, there are still some significant reports at hand of some time ago which shed much light particularly on what should be called the death toll from tuberculosis among immigrants.

Of conditions and rates in former days, the study of the vital statistics of New York City by Billings during the six-year period 1884-1890 is one of the most valuable. It is worth summarizing the main points of his findings with regard to tuberculosis mortality, or rather of consumption, at that time. In 1890, what we must call "Old New York" had a population of 1.515,000 of which 1.490,000 were of the white race and 25.674 were colored; more than forty percent of the entire population was foreign-born. The then "City of Brooklyn" had a population of 806,000; the colored there numbered only 10.946; the proportion of the foreign-born was less than in New York, about one-third; 260,725 were foreign-born. The death rate from consumption in New York averaged annually, during the six-year period 1884-1390, no less than 392 per 100.000 population; in Brooklyn, it was lewer but still 303.

Billings makes this comment: "Race distinctions have a very definite relation to death rates from consumption". After first recording that the death rate from consumption in the native-born whites of New York at that time was 205 per 100,000, he also adds that the rate among the colored was extremely high, 774. Then he relates the specific rates for those whose mothers were born in different countries as follows: among those born in Ireland, the death rate from consumption was 646; those born in Bohemia, 499; in Scotland, 384; in Scandinavia, 357; in Canada, 352; in Germany, 329; in France, 325; in England and Wales, 323; in Italy, 234; in Hungary, 155; in Russia and Poland, 98. Billings concluded: "From these figures it appears that consumption was most fatal among the colored, the Irish and the Bohemians, and least fatal among the Hungarians and Russians, that is to say, among the Jews".

In Brooklyn, these are the rates Billings reported: In the native-white population, 181 per 100,000; among the colored, 531. The death rates from consumption among various nationalities were somewhat lower than those, at the time, in New York, but were almost in the same order of importance, namely, among those whose mother was born in Ireland, the death rate was 453 per 100,000; those from Bohemia, 347; in Germany, 296; in Scotland, 269; in Canada, 266; in France, 253; in England and Wales, 234; in Scandinavia, 219; in Italy, 123; in Hungary, 121; and in Russia and Poland, 77.

Pulmonary Tuberculosis, 1919-1921

Some thirty years later Drolet(13) made an almost similar study and the results cover the annual death rates from pulmonary tuberculosis during the four-year period 1918-1921. Of course, at that time, they extended over the entire area of Greater New York.

During the above four years the death rate from pulmonary tuberculosis averaged 122 per 100,000 population annually for the city as a whole. The tuberculosis records were classified according to the country of birth of the deceased. First, it is stated that among the native-born white population the death rate from pulmonary tuberculosis was 108, whereas for the entire group of the foreign-born it was 149; for Negroes alone, 398.

In the total population of 5,620,000 in New York City in 1920, there were 152,500 Negroes. The foreign-born whites made up a full third of the city's population; they numbered close on to two millions (1,991,547).

One small group, namely, the Chinese, mostly adults, had the excessive death rate from pulmonary tuberculosis at that time of 825 per 100.000 population. The different rates for the foreign-born were as follows: Among those from Finland, a rate of 342; in Ireland, 306; in Norway, 249; in Greece, 228; in Switzerland, 217; in Sweden, 202; in Scotland, 181; in Austria-Hungary, 165; in England, 136; in Germany, 133; in France, 130; in Italy, 122; in Denmark, 110; in Roumania, 92; and in Russia, 86. Obviously the highest rates were among the Irish and the Scandinavians; the lowest among those from Russia, mostly Jews.

Drolet then noted "the general phenomenon and coincidence that the higher rates of tuberculosis appeared in those stocks still, or only recently, coming from parts of the world where agriculture was the main occupation and open-air life the daily enjoyment; and that the lower tuberculosis mortality, or rather better resistance to the White Plague, was found in those groups whose members had been undergoing tuberculization for longer periods of time, especially in cities or towns". He concluded: "we must acknowledge that there are tremendous racial differences in tuberculosis, that they are being inherited, but that the inheritance of today was the environment of yesterday, that much of it lies under our own control, and that the educational betterment and preventive campaigns against disease not only should raise hopes of and belief in final success, but that they have already accomplished under our very eyes measurable and most marked progress".

Tuberculosis According to Nativity, 1930-1931

Ten years later, namely, during the two-year period 1930-1931, a third study of tuberculosis rates in various nationalities was made, this time again, by Drolet(13). The rates refer to mortality from all forms of tuberculosis; that, for the city as a whole, was 72. In the white population, native or foreign-born, it was only 60, but among the colored it was 306.

In 1930, there were almost 7,000,000 people living in New York City; the colored numbered 343,000; the foreign-born comprised a full third of the entire population and they numbered 2,293,400.

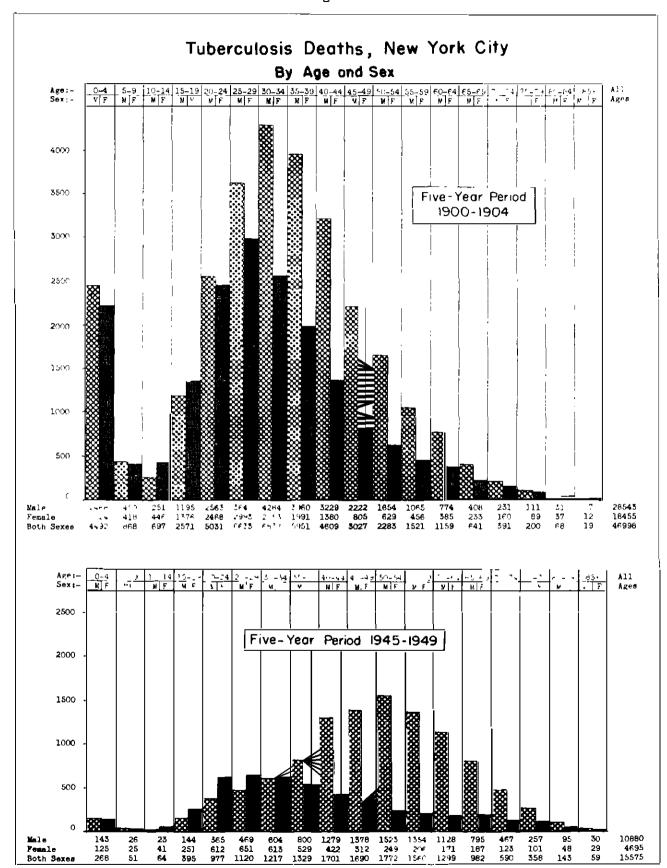
During the two-year period 1930-31, the death rate from tuber-culosis among those born in China headed the list; it was then 626 per 100,000. It was followed immediately by those born in Puerto Rico, who had a death rate of 434. It is worth noting that already, namely, some twenty years ago, there were 45,000 Puerto Ricans living in New York City.

The next highest tuberculosis death rate was among those born in Japan, the rate being 401. The death rates of the next groups were much lower than formerly. The list was headed by those born in Ireland, whose tuberculosis death rate was 138; those born in Cuba, 115; in Scandinavia, 90; in Austria-Hungary, 83; in England, 63; in Italy, 59; in Russia, 53; and in Poland, 46. Among the native-born white population the tuberculosis death rate was 51.

Speaking of tuberculosis at that time, Drolet remarked: "The extent to which racial origin influences tuberculosis mortality nowadays is not as great for those of certain parts of Europe as was common but a few years ago. This has largely taken place because, first, immigration has been more limited and, secondly, because of the extensive public health measures and the increase of institutional beds for the sick which are gradually bringing the disease under control... Among foreign stocks, especially those from Europe, what is striking to notice is that while their tuberculosis death rate does not seem excessive compared with that which they suffered only a decade ago, their ratios still range themselves in a somewhat similar order."

* * *

Fig. 12



Compiled from reports, Burezu of Records and Statistics, Department of Health, City of New York, by G. J. Drolet and A. M. Lowell, New York Tuberculosis and Health Association.

TUBERCULOSIS MORTALITY BY AGE AND SEX

DURING the five-year period 1900-1904, a total of 46,998 deaths from tuberculosis were recorded in New York City, of which 28,543 occurred in the male sex and 18,455 in the female sex (see Fig. 12). During the five-year period 1945-49, when New York City's population had more than doubled, the tuberculosis deaths numbered only one-third of what they had been during the five-year period first mentioned, namely 15,575; and of these deaths, 10,880 occurred in the male sex and 4,695 in the female sex.

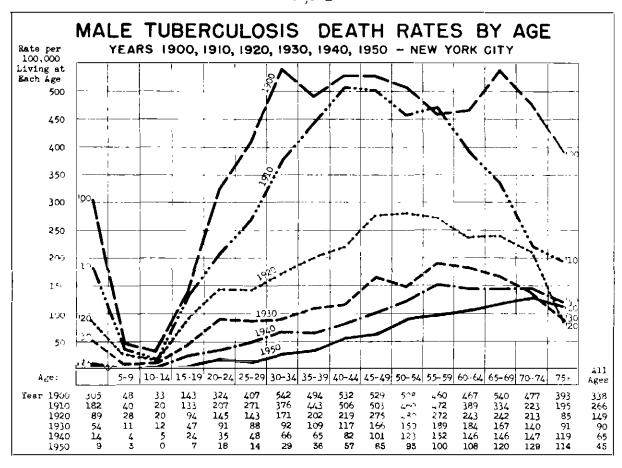
A very interesting difference is to be noted in the mortality, especially of the children during these two different quinquennia. In the 1900-1904 period, among children of both sexes under five years of age, 4,492 tuberculosis deaths occurred, whereas in the 1945-1949 period, there were only 268 deaths in that group. Also, during the first period mentioned, there were 868 deaths in the group of children between the ages of five and ten, whereas more recently, during five years, there were only 51 such deaths. As great a decline is noted among those ten to fifteen years of age.

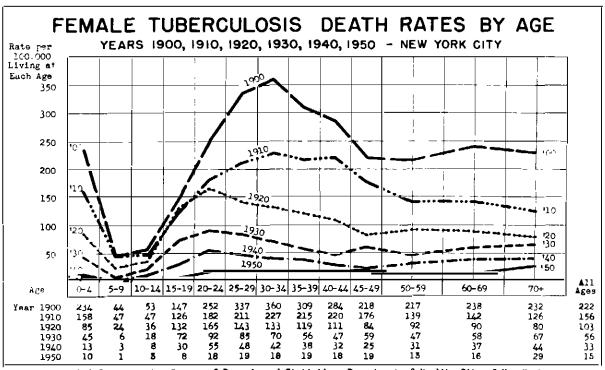
During the first five-year period of the beginning of the century the greatest number of lives taken prematurely by tuberculosis was among men in the age group thirty to thirty-four years of age, when 4.284 deaths occurred. During the recent five-year period 1945-1949, the greatest number is instead to be found in the age group fifty to fifty-four when the deaths numbered 1.525, or only 35 percent of those previously mentioned.

The largest number of deaths among women during the first five years of the present century occurred in the age group twenty-five to twenty-nine years of age, when they numbered 2,993. During the last five years, the greatest number among women was still in the age group twenty-five to twenty-nine, but their deaths numbered only 651, or less than one-fourth what they were formerly.

Between 1900 and 1950 the tuberculosis death rate in the male sex fell from 338 per hundred thousand population to 45, or by 87 percent (see Fig. 13). In the female sex the rate declined from 222 to 15, or by 93 percent. The growing disparity in the mortality rate from tuberculosis in the two sexes is worth noting. Whereas in 1900 the male rate was one and one-half times that of the female rate it is now three times as great. Primarily, what this means is not necessarily an increase of the burdens carried by the male sex, but rather, a greater reduction of that borne by the female sex. First among the latter is the marked reduction in childbearing; second. there is no doubt that technology and industry of the day have provided any number of appliances that lessen the drudgery of home work. On the other hand, men have kept at work probably as busily as ever and therefore the differences in their day's labor now as compared with formerly is not as great as in the other sex. Furthermore, exposures in crowded workshops and offices are more frequent for man than for the woman in the home.

Fig. 13





Compiled from reports, Bureau of Records and Statistics, Department of Health, City of New York, by G.J. Drolet and A.M. Lowell, New York Tuberculosis and Health Association.

As previously mentioned, the largest number of deaths from tuberculosis in the male sex in 1900 occurred in the age group thirty to thirty-five years old. However, in relation to the total population of that age, the death rate among men was highest among those forty to forty-four. Twenty-five years later, namely in 1925, the largest number of victims falling a prey to tuberculosis among men had shifted to the age group thirty-five to thirty-nine, but at that time, because of the lesser number of people in the older age group, the rate was then at its peak in the age group fifty-five to fifty-nine. By 1950 a very distinctive change had taken place as to the incidence and mortality from tuberculosis among men. The largest number of deaths was now in the age group fifty to fifty-five but the peak for the tuberculosis rate was postponed to the age group seventy to seventy-four.

The extremely high tuberculosis death rate among men nowadays in the older periods of life seems an oddity, and yet it is rather striking to find that almost a hundred years ago, namely in 1868, the pattern in New York City at that time was almost the same. Guilfoy(14) reported at the International Tuberculosis Congress in 1908 upon this unusual situation. In 1868 the tuberculosis death rate, while true that it was also exceedingly high among children under five years of age, was as far as adults were concerned, highest in the age group sixty-five and over, the rate being no less than 1.165 per hundred thousand population. This meant that more than one percent of the total number of men and women of that age died from tuberculosis each year.

In the year 1900, when there were 5.783 deaths from tuberculosis in the male sex, 3.835 or 66 percent of the total occurred in the group under forty years of age (see p. 50). The remainder, 1.948, occurred among those forty years or over. By 1925, the proportion of the deaths in the male sex occurring before forty years of age had been reduced to 53 percent and by 1950 to 20 percent only, so that now 80 percent of all the deaths from tuberculosis occur among men past forty years of age. This shifting of the tuberculosis mortality among men began to take place at the time of the influence epidemic of 1918, though for a few years thereafter the larger group was still among those thirty-five to forty years of age. But in 1923 it concentrated into a five-year older group and in 1930 to still another higher group, namely those forty-five to fifty years of age. Then, in the beginning of 1940, the largest number of deaths began to occur in the group fifty to fifty-five years of age.

Tuberculosis Mortality in the Female Sex

A different trend has taken place among women or rather the concentration of the mortality has remained static. In 1900, in the total of 3.847 deaths from tuberculosis in the female sex, 2.926 or 76 percent of the total occurred before forty years of age (see p. 54). In 1925 again 74 percent of the deaths in the female sex occurred before the same age. In 1950 the proportion of the female mortality under

the age of forty had come down to 52 percent. Until 1915 the largest number of deaths among women had occurred in the age group twenty-five to thirty years of age. It then shifted to the younger group, twenty to twenty-five years of age.

Decline in Various Age Groups

Between 1900 and 1950 the tuberculosis death rate in the male sex, as previously mentioned, has declined from 338 per hundred thousand to 45, or by 87 percent; in the female sex, from 222 to 15, or by 93 percent. If one compares closely the reductions during that period in each sex in the various age groups it is striking to see that the reduction has been practically at similar rates. But the death rate in each sex has been at different levels, that of the male sex remaining always higher.

During the half century under consideration the tuberculosis death rate in the male sex has been reduced by more than 90 percent in each group up to forty years of age; thereafter the reduction has been slightly less. For instance, among men fifty to fifty-five years of age, it amounted to 82 percent; in the next age group, by 78 percent; and among those seventy to seventy-five the reduction was 73 percent.

Both in the male and female sex the greatest decline of tuberculosis has taken place in the younger age group, particularly the children. Between 1900 and 1950 reductions in the rate of more than 90 percent are also to be found in each age group of the female sex until one reaches the group fifty-five to sixty-five years of age where the decline amounted to 71 percent.

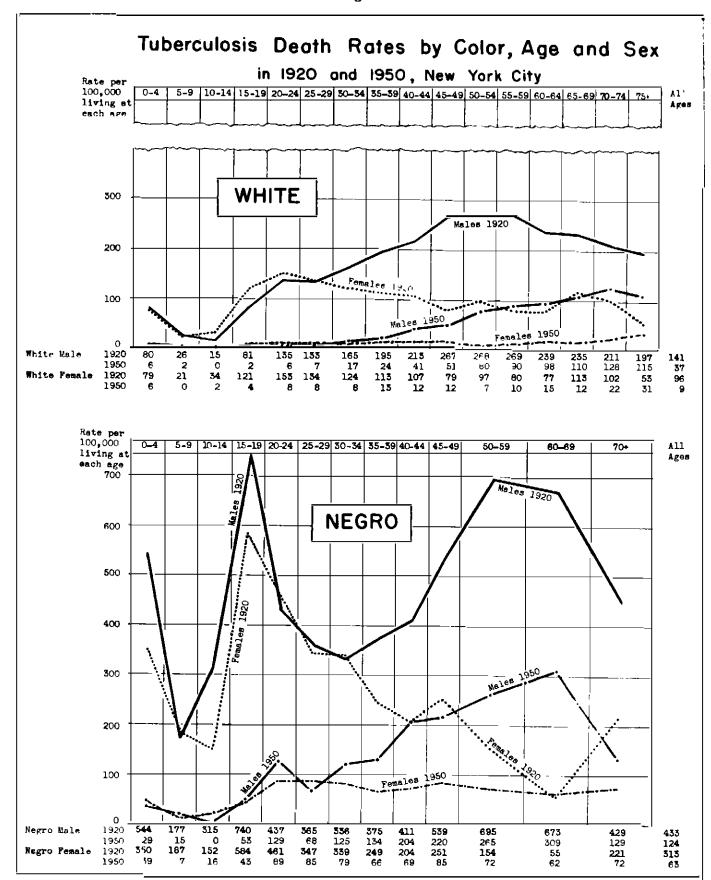
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TUBERCULOSIS AMONG CHILDREN

There are striking gains with regard to tuberculosis mortality, especially of children, whether white or Negro, when one studies the available record of the past thirty years for each race (see Fig. 14). For instance, in 1920, among white boys between the ages of ten and fifteen, 38 died from tuberculosis; but both in 1948 and in 1950 not a single death occurred in this group of white boys (see p. 58). Among white girls, five to ten years of age in 1920, there were 56 deaths from tuberculosis, but in the years 1948, 1949 and 1950 there wasn't a single death in that group of children (see p. 60). Interestingly too, is to be noted, at least among Negro boys ten to fifteen years of age, the fact that whereas in 1920 they suffered 12 deaths they, too, in 1948, 1949 and 1950, didn't have a single death from tuberculosis (see p. 62).

Care must be taken to remark however that nowadays there are wide disparities in the tuberculosis death rates between white and Negro children. For instance, among children under five years of ege,

Fig. 14



Based on reports, Bureau of Records and Statistics, Department of Health, City of New York. Compiled by G.J. Drolet and A.M. Lowell, New York Tuberculosis and Health Association.

In 1900, three-fifths of the deaths among the infants were of the meningeal type. That same year 66 of the deaths were of respiratory forms of tuberculosis; 31, of the abdominal type and 80 of other forms of non-pulmonary tuberculosis. Undoubtedly one of the most important factors which led to the rapid decline of mortality from tuberculosis among infants was the steady expansion of hospital beds for the advanced cases of tuberculosis thereby removing the most serious possible source of infection. As a matter of fact the writer just quoted observed in those days the close inverse correlation between deaths from tuberculous meningitis among children and the number of advanced cases of tuberculosis segregated in institutions. Whenever more adult patients were hospitalized the meningeal type of deaths among infants decreased and vice versa their number rose when hospitalization facilities were reduced.

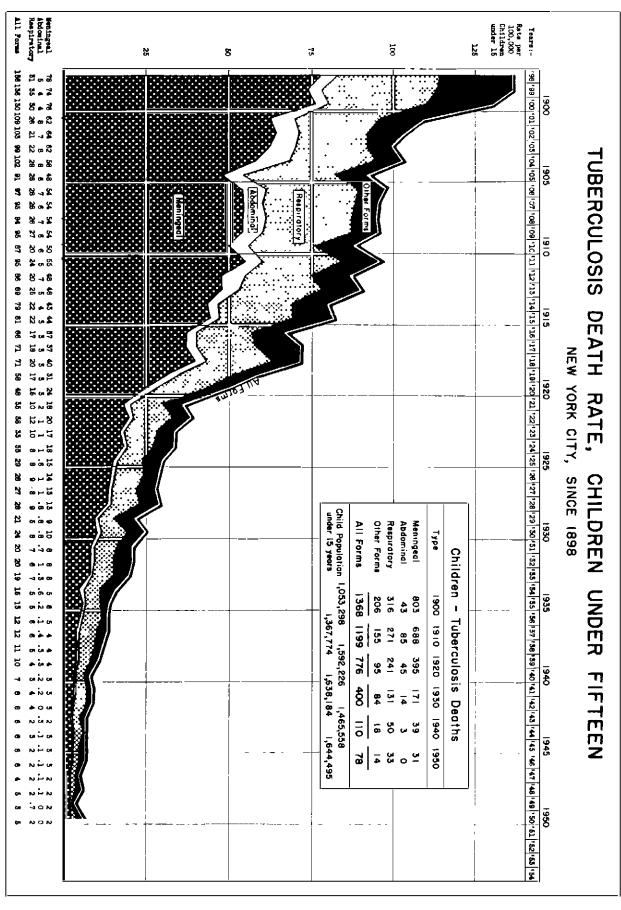
There is particular interest in the trend of the mortality from the abdominal type of tuberculosis among infants in former days. Prior to 1912 when pasteurization of milk was first started in New York City, the abdominal death rate from this cause among infants ranged between 20 and 58 per hundred thousand. Pasteurization — except for certified milk from tuberculin-tested cows — was made compulsory in 1914. Immediately the death rate of the abdominal type fell off: 7 in 1915. Subsequently, even though the number of young children or rather of births in New York City had materially increased, this type of the disease practically disappeared; only one such death occurred between 1935 and 1950.

Differences in Mortality between Boys and Girls

Certain differences between boys and girls with regard to tuberculosis mortality should be noted. In young children under five, the tuberculosis death rate each year in New York City is practically always higher among boys than among girls. This was true throughout the period from 1900 until 1945 when the situation seemed to change, the death rate of the two groups becoming equal recently. Originally, the tuberculosis death rate of boys under five was 233 per hundred thousand of that age group and 194 emong girls. On the other hand during the quinquennium 1945-1949 the death rate of each of the two became equal, namely, nine per hundred thousand.

Little difference in the mortality between the two sexes has been noted among children five to ten years of age. During the first quinquennium of the present century the annual average number of deaths from tuberculosis among boys five to ten years old was 90 whereas among girls it was 84.

However, among girls between ten and fifteen years of age tuberculosis is steadily a more frequent cause of death than among boys.
The greater strain attendant to the development at puberty must of
course be responsible among the girls approaching adult life. The
well-known picture of tuberculosis hatching out whenever too great
a strain is put upon certain individuals' resistance appears once
more here. Preventive work against tuberculosis should therefore
concentrate to a greater degree among girls of that age than among



Compiled from reports, Bureau of Records and Statistics, Department of Health, City of New York, by G. J. Drolet and A. M. Lowell, New York Tuberculosis and Realth Association.

boys. During the first quinquennium of the present century the tuberculosis death rate among boys ten to fifteen years old was 31 per hundred thousand of that age group, whereas among girls of the same age it was 55 or 77 percent higher. During the five-year period 1925-1929, the death rate among boys was 10 and among girls it was still twice as high, namely 20. In more recent years, though the same trend is noticed of more tuberculosis among young girls, the difference between the two sexes has been reduced slightly. Most satisfactory of all is the fact that their death rate has been reduced to 2 for boys and 3 for girls.

Children Under Fifteen

The record of tuberculosis among children under fifteen in New York City reveals a unique measure of control and almost eradication at least as far as the disease being a cause of death (see Fig. 15). In 1900, when the children under fifteen years of age numbered 1.053,298, there were recorded no less than 1.368 deaths from tuberculosis among them. Twenty years later, when the child population had increased by nearly six hundred thousand and then totalled 1.592.226, the tuberculosis deaths numbered only a little over half of what they were previously, namely, 776. In 1950, with a child population of 1.644.495, the deaths for tuberculosis numbered only 78 and, as previously mentioned, not one of them was of the abdominal type. Let us also recall that as of now there is an enormous colored population in New York City with several hundred thousand of its children in that age group.

Between 1900 and 1950 the tuberculosis death rate in New York City among children under fifteen dropped from 130 per hundred thousand population to 4.7 only; as a matter of fact in 1949 it was only 3.2. This is a reduction of almost 98 percent.

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May a reviewer of health conditions at the end of the next fifty years be able to write for men and women, as, we have recorded for children, that tuberculosis

is nearing its

END

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POPULATION

NEW YORK CITY

1898-1950

POPULATION OF BOROUGHS, NEW YORK CITY

مرجد حصوب	واشور بسند	· · · · · · · · · · · · · · · · · · ·				-	
	_					Rich-	New York
Year	<u>† </u>	Manhattan	Bronx	Brooklyn	Queens	mond	City
1898	• • • • •	1,809,550	167,252	1,094,800	137,051	63.765	3,272,418
		1,830,446	183,918	1,131,732	145,190	65,436	3.356.722
				-117-1175			J.JJ
1900		1,854,052	201,646	1,169,523	153.718	67,103	3,446,042
		1,904,284	214,332	1,205,179	162.024	68,260	3.554.079
	•••••	1.955.603	227,770	1,242,383	170,653	69.416	3,665,825
	• • • • • •	2,008,101	242,012	1,281,064	179,684	70.562	3,781,423
		2,061,999	257,169	1,320,839	189,277	71.739	3,901,023
		-100-1777	2711209	1,50,055	105,611	12,122	313011003
1905		2,115,687	274,256	1.363.117	199,638	73.044	4,025,742
		2,158,672	301.554	1,415.784	214,967	75.579	4.166.556
	• • • • •	2,202,504		1,470,669	231.347	78.192	4.314.237
		2.247.264	331,525 364,482		249,118	80 884	4,469,248
-		2,293,142	400,651	1,527,500	268,200	_	4.632.078
1707	*****	2,293,172	400,051	1,560,400	200,200	83,679	1,0,2,0,6
1010	اً أ	2,330,504	lizz E£o	1,642,746	288,086	86.637	4.785.535
_ •			437.562				
		2,325,619	468.557	1,682,284	307.134	89,784	4,873,378
_	1	2,320,735	499,552	1,721,822	326,182	92,931	4,961,222
	•••••	2,315,850	530.547	1.761.360	345,230	96.078	5,049,065
1914		2,310,967	561,542	1,800,898	3 64 .278	99,224	5,136,909
3035		0.70(.003	500 57 6	a dia kat	747 706	200 273	 = 00); 750
	•••••	2,306,081	592,538	1,840,436	383,326	102,371	5.224.752
_		2,301,198	623.533	1.879.973	402,374	105.518	5.312.596
		2,296,314	654,528	1,919,511	421,422	108,664	5,400,439
-		2,291,430	685,523	1,959,049	440,470	111.811	5,488,283
1919	• • • • • •	2,286,545	716,518	1,998,587	459,518	114,958	5.576.126
		.			\ \		- (42 265
	•••••	2,263,837	757 • 945	2,044,712	498,707	118,564	5,683,765
	• • • • •	2,223,193	809,944	2.097.570	558,200	122,642	5.811.549
-	• • • • • }	2,182,549	861,943	2,150,428	617.693	126,720	5.939.333
		2.141.905	913,942	2,203,286	677.186	130,798	6,067,117
1924	•••••	2,101,150	966,084	2,256,288	736,842	134,887	6,195,251
							C 222 025
1925	• • • • • •		1,018,083	2,309,146	796.335	138.965	6.323.035
	• • • • • •	2,019,862	1,070,082	2,362,004	855,828	143,043	6,450.819
	• • • • • •	1,979,218	1,122,081	2,414,862	915.321	147,121	6,578,603
_		1,938,463	1,174,223	2,467,864	974,977	151.210	6.706.737
1929	• • • • • •	1.897.819	1,226,222	2,520,722	1,034,470	155,288	6.834.521
							C 01- 500
	• • • • • •	1,867,877	1,268,494	2.563.848	1,084,592	158.749	6.943.560
		1,870,138	1,281,440	2,577,637	1,106,442	160.358	
	• • • • •	1.872.400	1,294,385	2,591,425	1,128,293	161,967	7,048,470
	• • • • •	1.874.661	1,307,330	2,605,213	1,150,143	163.577	
1934		1,876,922	1,320,275	2,619,002	1,171,994	165,186	7.153.379
_						ام مي	
		1.879.183	1,333,221	2,632,790	1,193,844	166,796	
		1,881,444	1.346.166	2,646,579	1,215,695	168,405	7,258,289
		1.883.706	1,359,111	2,660,367	1.237.545	170,015	7,310,744
1938		1.885.967	1.372.057	2.674.155	1.259.396	171.624	7.363.199
1939		1,888,228	1.385.002	2.687.944	1,281,246	173.23	7.415.654
		L	<u> </u>	<u> </u>	L	1 .	

the small Negro boys in that group have a tuberculosis death rate of 29 as against one of 6 only in the white children, in other words almost five times as high. Similarly, among the little girls under five years of age, whereas the tuberculosis death rate in the white children is 6, that of the Negro children of the same age is more than six times that rate, namely 39.

Serious, particularly, are the differences in the group of adolescents between fifteen and twenty years of age. Among white boys of that age group the tuberculosis death rate in 1950 was only two, whereas among Negro boys it was 53. or 25 times as great.

Among young white girls fifteen to twenty years of age, in 1950 their death rate from tuberculosis was 4 and that of the young Negro girls of the same age was 43, or 10 times as high. Differences in death rates between the two racial groups are not as great in older age groups. For all ages the tuberculosis death rate of the white males in 1950 was 37 and that of the Negro males 124, but still more than three times as high. Among females the disparity is greater; for all ages, in the year 1950, the tuberculosis death rate of white females in New York City was only 9 per hundred thousand whereas that of the Negro females was 63 or seven times as great.

In 1925 one of the authors(15) of the present monograph (G.J.D.), reviewing the mortality from tuberculosis in children in New York City during the first quarter of the present century, commenting upon the fact that children had been the greatest gainers from the antituberculosis campaigns in the United States added "nowhere is this reflected more strongly than in New York City, where, with a tremendous crowding of population, a definitely limited amount of space, fresh air and sunlight, and the numberless daily contacts of children with persons and premises frequently infected, there exists the widest opportunity for the tubercle bacillus to infect thousands in homes and tenements teeming with children". The record of the succeeding twenty-five years up to 1950 only emphasizes the accuracy of the observation at that time.

Infants

It is worthwhile first to see what has happened particularly among infants who are the ones most intimately exposed in home contacts. In 1898, the first year of the consolidation of the five boroughs into Greater New York, when there were 119,000 children born, a total of 502 deaths from tuberculosis were recorded among infants under one year of age (see p. 66). In other words, the disease was striking at that time fatally at the rate of 422 per one hundred thousand children not a year old. In 1925 when the number of children born was 128,790, the death rate from tuberculosis during the first year of life was reduced by 81 percent of what it was formerly. The deaths numbered 105 that year, indicating a rate of 82 per one hundred thousand. In 1950, when more than 150,000 births were reported, the deaths from tuberculosis among infants numbered only 15; this meant practically the eradication of tuberculosis as a cause of death among infants in New York City.

POPULATION OF BOROUGHS, NEW YORK CITY

- Janes - Jane		1			Rich-	New York
Yeart	Manhattan	Bronx	Brooklyn	Queens	mond	City
1940	1,891,679	1,396,125	2,699,282	1,303,964	174.869	7,465,919
1941	1,898,696	1,401,782	2,703,271	1,329,286	176,580	7,509,615
1942	1.905.714	1,407,438	2,707,260	1,354,607	178,292	7.553,311
1943	1,912,732	1,413,095	2,711,249	1,379,929	180,003	7,597,008
1944	1,919,749	1,418,752	2,715,238	1,405,250	181.715	7,640,704
1945	1,926,767	1,424,408	2,719,227	1,430,572	183,426	7,684,400
1946	1,933,785	1,430,065	2,723,216	1,455,893	185,137	7,728,096
1947	1,940,802	1,435,721	2,727,205	1,481,215	186,849	7.771.792
1948	1.947,820	1,441,378	2,731,194	1,506,537	188,560	7.815.489
1949		1,447,035				
1950	1,961,856	1,452,691	2,739,172	1.557.179	191.983	7,902,881
1951						
1952						
1953						
1954			Ĺ			

Note: Federal Census, June 1, 1900 = 3,437,202; April 15, 1910 = 4,766,883; January 1,1920 = 5,620,048; April 1, 1930 = 6,930,446; April 1, 1940 = 7,454,995; April 1, 1950 = 7,891,957. †As of July first.

POPULATION ACCORDING TO SEX, NEW YORK CITY Federal Censuses* 1900, 1910, 1920, 1930, 1940, 1950

2020101	OOHDGGG	1 900, 191	J, 1720, 1	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	-774	
Federal	·				Rich-	New York
Census	Manhattan	Bronx	Brooklyn	Queens	mond	C1ty
1900:					_	
Male	918.259	101,756				1,705,705
Female	931.834	98,751	592,849			1,731,497
Total	1,850.093	200,507	1,166,582	152,999	67,021	3.437.202
1910:		·				
Male	1,166,659	217,120	809,791	144,205		2,382,482
Female	1,164,883	213,860	824,560	139,836		2,384,401
Total	2,331,542	430.980	1,634,351	284.041	85.969	4,766,883
1920:	ſ	'	-			_
Male	1,135,708	364,208	1,007,859	233,440	61,423	2,802,638
Female	1,148,395		1.010.497	235,602	55,108	2.817,410
Total	2,284,103		2,018,356		116,531	5,620,048
1930:	-			-		
Male	939.352	630,513	1,283,577	537,417	82.097	3,472,956
Female	927,960	634.745	1,276,824	541.712	76.249	3.457.490
Total	1.867.312	1,265,258	2,560,401	1,079,129	158,346	6.930.446
1940:					_	
Male	926,133	689,327	1.332.545	638,605		3,676,293
Female	963,791	705.384	1,365,740	659,029	84,758	3,778,702
Total	1,889,924	1,394,711	2,698,285	1,297,634	174,441	7,454,995
1950:		_				1
Male#	937,838		1.334.030			3,821,788
Female:	1,022,263	747.690	1,404,145	800,698	95<u>·3</u>73	4,070,169
Total		1.451.277				
* Turno 1 1000. Appet 3	15 1010-	Tamas I	1020. 4-7	11 1 1070		1 10liO ·

*June 1, 1900; April 15, 1910; January 1, 1920; April 1, 1930; April 1, 1940; April 1, 1950. *Provisional.

*As of	1924	1923	1922	1921	1920		6T6T	777	171	1017	1916	1915		1914	1913	7772	1771	ונוסו	1910		1909	1908	7067	200	7007	1505		1991	1903	1902	1901	1900		1899	1898	Year	i 	{
f July 1st	229,390	212,255	195,166	178,077	160,988	1	249.559	143,083	100,000	מכא אלצ ו	170,570	124,316		118,061	111,805	100 PHS	77,674		93.038	ı			80,9 1			74,251		71,33 ⁴	68,546	65,868	63,294	60,823	•	58,712	56,718	Negro		
of each	6th,0t	9,906	9,395	488,8	8,373		OTO 8	(195	1 - 2	777	7. 350	7.143		6,925	6,709	5,432	77.0	276	6.058		•	-	0,00			•		-	-	6,587	_	_		6,707	6,757	Colored	Other†	
year.	239,809						15/1549	9/8,051	1 1 1		777.971	131.459		124,986	118,514	T+0,511		מאל שניין	99,096		-	-	162.78	-		80,676		77,821	75,088	72,455	69,919	67,477	•	65,419	63,475	Colored	Total	
†Including	5,955,442	œE	W	٠ ك	514		9T#	5,007,407	֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֡֓֓֓֓֓֡֓֓֓֡֓֡	ָת מילי	Z	3		110	4,930,551	Ť	}	7	88		537	,378	4,220,986		ָ אָרָ	_		823	706	3,593,370	#8#	,378		3,291,303	3,208,943	White		POPULATION*
Indians, Chir	6,195,251	, 00, 10, 10,	939	, 811	8	1	76.0	5,488,285	1 2	5 i	בי קרי אוני	5,22		<u>,136</u>	5,049,065	196		1	. 785	,	632	æ,	1,514.25	1 6	ک ر	025		3,901,023	3,781,423	3,665,825	3,554,079	3,446,042		3,356,722	3,272,418	Colored	White &	BY COLOR,
Chinese, Japa	1951	1950		1949	1948	1947	9461	7.45 19461			101	1943	1942	1941	1940	· .	666 FT	1000	1938	1937	1936	1935		7	175.P.	1933	1932	1931 \	1930		1929	1928	1927	1926	1925	Year		NEW YORK C
Japanese, etc		754.84g	,	725,932	697,014	668,096	639,179	610,261		7020	בובל באל	552,426	523,509	165° +16+	465,673		£(0,04+	これのこと	792.754	16h,22h	7.t.t., 60th	396,343		לפשולפל	ななったの	370,196	357,122	840° trife	330,975		314,881	297,792	280,657	263.568	246,479	Negro		CITY, SINCE
		28.131			26,359					7.06.33	מיני מיני	22 .020,	21,043	20,157	19,272	1				18,078				+1.0+0	17 018	16,674	16,310	15,957	15,603	١	12,976	72,465	11,952	11,441	10,930	Colored	Othert	E 1898
	ľ	782,980	•	Ų,	723,373	'n	Ñ	N	ľ				•	-	546° 484		424, 704	こうしてい	966.254	140,569	341,734	413,714		100 100	100 0X7	386,870	373,432	360,005	346,578		327,857	310,257	292,609	275,009	257,409	Colored	Total	
		7.119.901		106	7,092,116	,078	, 0 1	S	}	,00	۲ ا	လ လ	000	.994	6,980,974		שלאים, איים		200 200	6,876,175	6,831,147	6,792,120			75.7	6,714,054	675	636	5 96		506	396	283	27.	6,065,626	White		
		7.902.881	;	859	7,815,489	,771	, 728	,684	1	Š	<u>ار</u>	20.	55	ģ	7,465,919	•	CT#1)	1 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	7.762	7.310.744	7,258	7,205			7 161	7,100,924	7,048	6,996	£46.9	,	6,834	6.706	6,578	6,45	ق 	Color	White &	

TOTAL POPULATION, WHITE, NEGRO AND OTHER COLORED, ACCORDING TO AGE AND SEX, NEW YORK CITY Federal Censuses* 1900, 1910, 1920, 1930, 1940, 1950

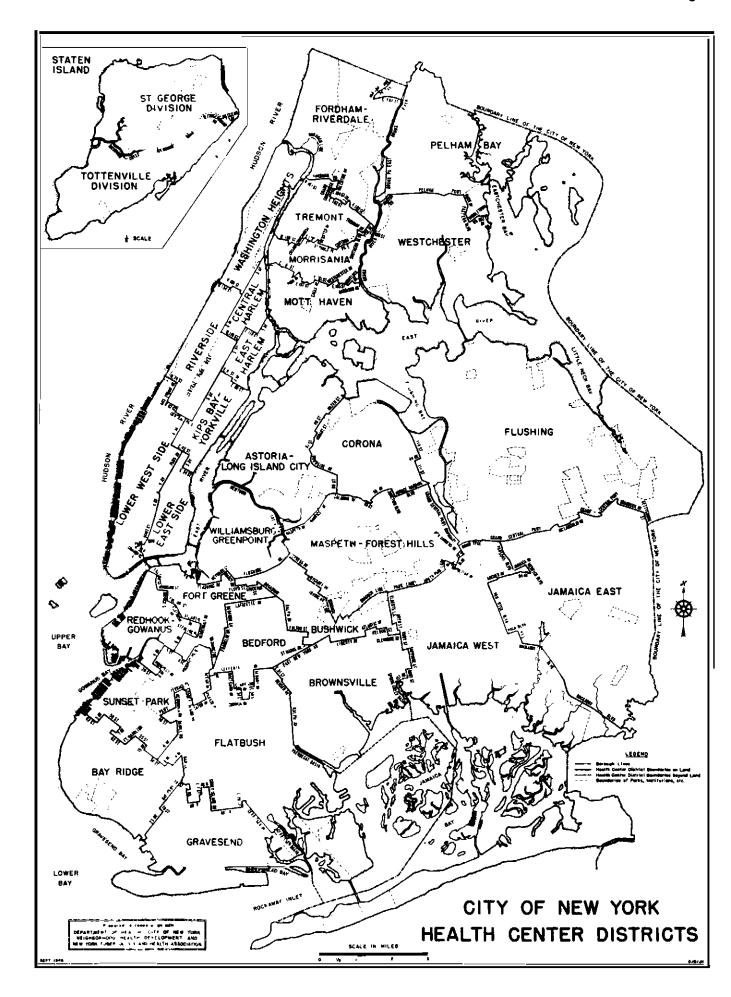
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Age	MALES	1900	0161	1920	1950	1940	1950	FEMALES	1900	1910	1920	1930	1940	1950	TOTAL	1900	1910	1920	1930	1940	1950	"Provisional.
	Γ			338					_						•	_					957	e.
All Agest		1,705,705	582,4	802,6	472.	5,676,293	5,821,788		1,731,497	384,	817,	457,	3,778,702	4,070,169		5,437,202	766,	620,	6,930,446	454,	7,891,957	MT A B
		=														4 3,	2 4.	1 5	9 6	5 7,	6	nkno
75+		_				45,618	67,142		_				59,687			23,63	33, 59	45,28	59,81	103,30	160,28	n jo su
65-69 70-74		12,981	17.784	22,658	35,866	54,474	78,287		15.737	21, 501	27, 549	41,461	66,201	92,392		28,718	39,285	50,207	77,327	120,675	170,679	*Federal Censuses: June 1, 1900; April 15, 1910; January 1, 1920; April 1, 1930; April 1, 1940; April 1, 1950. †Totals include persons of unknown age.
65-69		19,934	29, 569	38.541	60.451	89,275	129,964		23,577	32,875	42,402	66,905	101,164	144,379		43,511	62,444	80,743	27,356	90,439	74,343	incluc
	-								41	584	553	333	508	781		3551	587 (127	527 1:	374 1	481 2	otals
60-64		53,8	45.0	67.	92,494		226,272 182,700		57.	49,3	68	86		181,781		70.	8	136	190	267,	364,	0. †T
55-59		44.878	.061	152	123,128	,162	,272		450	61,145	.057	149	168,709	224,243		.328	206	209	277	,871	, 515	, 195
		_	5 61	8	3 123	178	4 226		1 45	61	83	123	3 168	1 224		8	122	179	7 246	346	8 450	111
50-54		66,231	8.51	5,98	5.34	5,32	275,464		4.680	12, 57	0,76	5,46]	3,69	30, 92		0.91	1,09	6,750	0,80	7,020	56, 38	Api
_			47 8	78 13	00	69 24	20 2		57 6	28	55 13	63 16	74 22	05 56		21 12	03 15	33 26	63 34	45 46	22 5!	1940
45-49		80,2	27.5	67.0	219.6	282,7	290,3		77.1	138.5	51,8	202,4	67,9	500,3		57.4	246,1	18,9	122.0	550, 7	590,6	1 1,
4		358	324	778	868	477	201		895	567	588	720	243	764		253]	891	366	588	714	90	Apr
40-44		114,	161	195	272	317,	309,		66	148	183	245,	311,	332,		214	309	379	518	628	642	1930;
35-39		3,737	5,577	7,263	3,859	950	3,794		5.055	5,648	7,007	1,389	3,471	9,051		.792	225	1,270	.248	421	3,845	, ,
		8 14	0.00	5 24	5 319	2 33(6 30		2 13	0 18	9 22	1 30	5 338	4 35		0 1275	383	474	6 62	7 669	99 09	Apr1
50-34		84.78	19,82	33,06	27,68	31,78	96, 31		53,17	32,63	50,13	21,89	59,24	41,93		17.96	22,45	13,20	19,57	1,02	38,25	320;
		90 16	35 2	40 26	48 33	58	80		03 1	16 20	75 25	36 32	95 35	39 34		93 3	49 4%	15 51	84 64	53 69	47 63	1, 19
20-24 25-29		178,3	253, 5	280, 3	541.4	322,5	313,4		185,0	245,6	295, 5	554,5	374,5	351,8		563,3	199,1	575,9	395,9	397, 1	365,2	lary
-24		88	216	761	734	862	865		853	652	899	683	291	795		841	868	660	417	155	099	Jan
20-		161,	251.	249	327	8	278,		192	280	295	359,	344	319,		354	531.	545	687	649	598	1910;
15-19		,670	1,071	. 332	740	,717	,864		.081	5.	,426	,546	,225	,214		.751	,616	.758	,286	8	,078	15,
		5 14C	8 216	9 219	5 293	300	1 226		3 162	3 241	3 234	7 305	5 306	5 24C		1 302	1 457	7 453	599	909	5 467	pril
10-14		8,6	0,59	8.28	0.26	3,45	5,31		1,356	1,83	6,57	5,03	7,65	8,25		1,26	2,43]	4.86	5,300	1,100	3,56	0; AI
		31 14	10 21	51 24	32 29	88	45 22		56 135	53 21	39 24	22 28	88 27	34 21		17 30	33 42	8 49	34 57	56	29 44	61.
5-9		77,5	19,11	69.4	91, 70	38,7	72,1		77,15	19,15	67,0	85,50	31,7	62,88		54,74	38,26	36,45	27,25	70, 55	35,0	ne 1,
—		583 1	729 2	873 2	138 2	415 2	535 2		304 1	351 2	386	162 2	479 2	265 2		287 3	380 4	369 5	300 5	394 4	300 2	3: Ju
4-0		199,	255	283.	272	221,	339,635 272,145 225,311 226,864 278,865 313,408 296,316 309,794 309,301 290,320		197,	251,	276,	263	212,4	326,265 262,884 218,255 240,214 319,795 351,839 341,934 359,051 332,764 500,302 280,924		597	507,0	560,8	555,6	433.8	1950 € 665,900 535,029 443,566 467,078 598,660 665,247 638,250 668,845 642,065 590,622 556,388	Suset
		1900	:	:			:		•		:	:	1940	:	SEXES	•	:	:	:	:	:	1 Cen
Age :-	S	:	1910	1920	1930	1940	1950¶	FEMALES	90	: 22	1920	် ရွ	₽ :	1950¶	BOTH SE	: 2	: 2	: 8	30 :	£0 ::	504	era
AR	MALES	ដ	19	19	19	4	19	E	ĕ	6	13	6	ģ	19 19	BQ	<u>ы</u>	19	ģ	ő	μ	19	¥

		ঠি	_	_	_	_	FEMALES	<u></u>	_	_	0	11		_	_	C	
	Age	MALI	1920	1930	1940	1950	FEM	1920		1940	1950	TOTAL	_	1930	1940	1950	3 of
	All Agest		3,217	3,198	5,003	3,463,347		6,246	4,027	2,498	88,092 89,003 3,652,857		9,463	7,225	7,501	7,116,204	fotals include persons
	A11		2,72	3,30	3,45	3,46		2,73	3,28	3,52	3,65		5,45	6,58	6,97	7,11	nde p
	75+		629	828	069	64,743		400	788	796	003		643	76,054 58,616	486	,746	incl
	7		18	24	5 42	64		5 26	7 33	57	88		7 44	28	001	153	otals
950	70-74		22,40	55, 38	33,15	75,069		7,10	10,66	4,21	38,09		19, 50	76,05	7,37	3,16	Ť
WHITE** POPULATION ACCORDING TO AGE AND SEX, NEW YORK CITY, FEDERAL CENSUSES\$ 1920,1930,1940,1950								149	148	663	158		969	. 926	369	152 10	.950.
930,1	62-69		37,8	59.4	86	123,6		41.7	65,4	97,	136,4		79,	124,5	183,6	260,1	1, 1
920,1	60-64		,755	610	,865	,725		.874	5,953	236	,811		629	563	1,161	, 536	#Federal Censuses: January 1, 1920; April 1, 1930; April 1, 1940; April 1, 1950.
ES#]	_		8 66	7	2 127	9 173		6 67	7 95	3 130	3 171		4 134	1 186	5 256	2 34	940;
SUSUS	55-59		38,62	19,64	70,78	13,27		37.52	19,90	31,08	11,08		76,15	59, 55	51,86	24,36	1, 1
UAL CI			741	12 11	787	333 2		1 086	503 1.	583 1	179 2		ינן דצו	215 2	170 3	512 4:	pril
FEDE	50-54		132.	168	231	254,		127.	159	212,	260,4		260.	328	444.]	515,3	320; 1
ITY,	45-49		596	049	,165	,550		703	939	,262	,978		299	988	427	,528	1, 18
ORK C	L.,		8 161	209	4 266	2 264		6 147	192	4 252	8 272		4 309	4 401	8 518	8 537	pril
NEW Y	40-44		38,45	58,37	4 ,59	78,75		77,51	52,97	39, 52,	39,12		35,97	31,34	34,11	77,87	20; A
EX, 1	_		10 11	48 25	80	47 25		46 17	81 2	13 26	160		56 36	29 45	35 617	38	, 192
AND S	5-9 10-14 15-19 20-24 25-29 30-34 35-39		236,8	299,3	304, E	275,3		217.4	282,7	309,4	316,C		454,2	582,1	614,2	591,4	ary]
AGE	-34		.786	225	050	9,		987	162	637	,286		773	387	687	286	Janu
G TO	- 30		3 252	305	3 308	1 262		1239	1 301	329	1 297		492	909	637	5 559	18981
ORDIN	5-29		8,596	6.46	1,326	4,98		3,19	8,247	3,26	1,974		1,787	4.700	4,590	6,95	Censı
N ACC	4		25 26	30 31	49 30	23 27		90 28	68 32	35 34	81 30		13 55	98 64	84 64	<u>2</u>	eral
LATIO	20-2		240,6	509,9	289,0	250,4		284.6	557,3	518,1	277,8		525,3	347,2	507,1	528,3	‡Fed
POPU	-19		034	228	588	191		840	406	,824	250		874	634	412	17	Ly.
ITE**	<u> </u>		7 215	284	284	7 205		5 228	293	286	1214		2 443	5777	57	419	181ve
WH.	0-14		4,567	1.07	5,679	1,45		2,115	5,190	8,74]	3,666		6,682	6,262	4,420	5,123	exclı
	_		31 24	53 28	87 26	89 20		61 24	08 27	97 25	经 5		92 48	61 55	84 52	43 39	tion al.
	<u>Қ</u>		265,0	279,5	221,8	245,0		262,3	272,7	214,5	235,0		527, 3	552,2	436,4	480,0	ite populatio
	4		238	572	210	284		164	274	029	375		402	846	239	629	te po
			278,	258	206,	300	ES	271,	249,	197,	287,	SEXES	549,	507,	403,	587,	o whi
		MALES		:	:	•	FEMAL	:	:	:		BOTH	•	:	:	•	tes t nage
	Age:-	WHITE MALES	920	930.	980	1950¶ 300,284 245,009 201,457 205,191 250,423 274,981 262,010 275,347 276,752 264,550 254,833 213,279 173,725 123,694	WHITE FEMALES	920 .	930	£6.	1950 287,375 235,034 193,666 214,520 277,881 301,974 297,286 316,091 299,126 272,978 260,479 211,083 171,811 136,458	WHITE, BOTH SEXES	920	$1950 \dots \dots 1507, 846 552, 261 556, 262 577, 634 647, 298 644, 709 606, 387 582, 129 491, 344 401, 988 328, 215 239, 551 186, 563 124, 928 76, 054 58, 616 186, 563 124, 928 76, 054 58, 616 186, 563 124, 928 76, 054 58, 616 186, 563 124, 928 76, 054 58, 616 186, 563 124, 928 76, 054 78, 616 186, 563 124, 928 76, 054 78, 616 186, 616 $	940	1950¶ 587,659 480,043 395,123 419,711 528,304 576,955 559,296 591,438 577,878 537,528 515,312 424,362 345,536 260,152 163,161 153,746	**Relates to white population exclusively. unknown age. Throvisional.
	*	=	7	_	_	-	*	7	٦	7	-	=	_	٦	-1	۲	* #

1 1 2	1	,		1	1		,				4				-	4	200			
NEGRO MALES				24	2		;: 		3		2	2	2	3			<u>.</u>	1	ALL ABOST	MATEG
1920	5,466	4,271	3,602	4.08	9 8.42	7110.6	15 9.	_	9.516	6.437	4.90	2 2.7		307	8	462	247	212	72, 351	1920
1930	15,451 11,894 8,987 9,169 16,864 22,779 20,121	1,894	8,987	9,16	9 16,66	74 22.7	79 20,	~	8,539	12,909	9,607	12,909 9,607 6,032 3,155	32		708	891	448	8	156,968	1930
1940	14,706 1	6,442	17,294	15,57	1 15,25	31 20 <u>,</u> 0	8 2	2	418	20,299	14,80	2 10,2	51 6,		4.311	2.676	1.219	877	205, 727	6.0
1950¶	37,169 2	5,639	22,552	20,45	0 26,89	<u> 32 36,3</u>	(21 32,	8	, 557	29,166	24,35	0 19,5	00 12,		3,512	5,985	5,985 3,053 2,306	2,306	559,135	1950
NEGRO FEMALES																				FEMALES
1920 5,681 4,562 4,359 5,503 11,072 12,255 10,029	5,681	4,562	4,359	5,50	3 11,0%	72 12,2	55 10,		479	6.010	4.12	7 2.7	70 1.		073	652	441	415	80,116	_
1930	13,489 1	2,471	9,675	11,95	1 21,99	¥ 25,8	82 20,		385	12,606	9.45	0 5.8	30		0.059	1,440	788	784	170,738	
1940	14,985 1	6,692	18,554	19, 10	1 25,84	18 50,9	70 29		768	21,490	15,57	9 11.2	17 7.		974	3,845	1.978	1.881	252,717	
19504	38,086	7,297	24,110	25,17	3 <u>41,</u> ∝	39 48,8	35 43,		060	32,937	26,76	42,090 32,937 26,766 20,024 12,831	24 12		9,726	7,723	7,723 4,209 4,046	4,046	408,645	1950
NEGRO, BOTH SEXES	Sa Sa							l					\ 	-						TOTAI
1920	11,147	8,833	7,961	9,59	2 19,49	9 22 8	70 19,	٠.	. 795	18,795 12,447	9,02	9 5.5	49 2.	828 1	873	1.114	682	627	152,467	_
1930	26,920 2	4,365	18,662	21,120	38,65	38 48,6	61 40		924	25,515	19,05	7 11.9	22 6.	365	767	2,331	1,236	1.184	327, 706	
1940	29,691 3	3,134	35.848	34.67	3 41.09	9 50.9	78 51		186	11,789	30,38	1 2 4	68 14	251	285	6,521	3,197	2,758	458 444	_
19504 75,255 52,936 46,662 45,623 67,962 85,154 76,146	75,255 5	12,936	46,662	45,62	3 67,98	32 85,1	54 76,	-	74,647	62,105	51,11	6 39,5	24 25,	142 18	3,238	74,647 62,103 51,116 39,524 25,142 18,238 15,658 7,262 6,352	7,262	6,352	747,780	

POPULATION BY RACE, HEALTH CENTER DISTRICTS, NEW YORK CITY, FEDERAL CENSUSES 1950, 1940 AND 1950

National	fealth Center DISTRICT			O-Ther			_					1		
62, 871 142, 266 772 25, 829 21, 277 189, 028 629 12, 214 205, 065 877 136 1, 676 24, 670 25, 870 22,		White	Neoro	קין ניט	RACAR	White	Kegno	Other Col 14	RACAS	Wh4+a	Negro	Col 1d	All	- 17
Co., 410. Co., 420. Co., 224. Co., 224. <t< td=""><td>IANHATTAN:</td><td>>> 1::::</td><td>24904</td><td>5</td><td>2000</td><td>3</td><td>O THOU</td><td>7</td><td></td><td>221111</td><td>NORTH THE</td><td>1</td><td></td><td>MANHATTAN:</td></t<>	IANHATTAN:	>> 1::::	24904	5	2000	3	O THOU	7		221111	NORTH THE	1		MANHATTAN:
20, 050 0	entral Harlem	_	142,206	752	205,829	21,277		394	209,633	12,214	205,065	377	217,656	Central Harlem.
240,050 1,600 1,600 0 584 222, 224 2,214 2,480,051 2,027 6,590 234,089 234,070 1,200 1,600 1,200 1,600 1,200 1,600 1,500	ast Harlem	204,450	22,360	260	227,570	180,501	26,954	573	208,028	179,867	57,130	1,069	218,066	East Harlem
226, 511 12, 007 4, 522 201, 900 276, 77, 71 286, 460 27, 520 26, 900 276, 77 274, 74, 74, 74, 74, 74, 74, 74, 74, 74,	ips Bay-Yorkville	240,050	1,600	564	242,214	248,051			250,670	254,262	1,986	849	257,097	Bay-Yc
226, 571 12, 076 4, 582 20, 990 226, 579 7, 522 16, 550 589, 580 206, 595 48, 990 5, 655 289, 500 200, 576 77, 572 12, 529, 575 70, 520 206, 570 10, 586 1, 479 20, 526, 521 26, 790 40, end of the control of the contr	ower East Side	324,649	1,280	1,852	527,781	285,490			291,068	294,777	7,474	6,227	508,478	
286, 576 1,688 287, 124 286, 987 4,680 5,685 356, 500 468 556, 986 468 565, 986 468 565, 986 468 565, 986 468 566, 986 468 566, 986 468 566, 986 468 566, 986 468 566, 986 468 566, 986 461 138 100 187, 762 187, 762 275, 686 767 187, 764 187, 764 287, 764 187, 764 287, 764 187, 764 287, 764 187, 764 287, 764 187, 764 287, 762 287, 762 277, 686 767 287, 762 277, 686 767 287, 762 277, 686 767 287, 764 187, 764 <td>ower West Side</td> <td>285,511</td> <td>12,087</td> <td>4,392</td> <td>201,990</td> <td>275,679</td> <td></td> <td></td> <td>289,850</td> <td>274,522</td> <td></td> <td>5,456</td> <td>287,300</td> <td>Lower West Side.</td>	ower West Side	285,511	12,087	4,392	201,990	275,679			289,850	274,522		5,456	287,300	Lower West Side.
16.260, 77.745, 1, 229, 258, 551, 266, 790, 40, 810, 865, 506, 446, 525, 203, 77, 445, 1, 387, 713, 510, 411, 387, 713, 511, 324, 324, 324, 324, 324, 324, 324, 324	iverside	265,267	15,883	1,479	282,629	299,837	67	•	552,124	305,955	#	3,655	358,500	Riverside
186,717.55 224,670 10,886 1,867,312 1,577,625 298,525 1,585 1,885,576 1,885,786 1,885,787 1,885,886 1,885,787 1,885,886 1,	ashington Hgts	250,578	27,745	1,228	259,551	266,790		885	308,485	235,205		1,587	313,004	Washington Hgts.
1,651,756 224,670 10,686 1,867,512 1,577,625 299,565 15,954 1,656,600 364,461 19,020 1,960,101 1,651,756 2,456 106 187,446 215,414 959 131 216,504 226,595 961 284 227,956 228,786 5,106 137 226,935 215,414 959 131 235,301 210,609 1,574 571 238,774 228,786 5,106 137 226,193 11,247 21,255 44 130,057 140,250 1,574 571 145,874 222,775 2,197 117 2,226 371 211,416 2,605 1,405 2,105 2,105 2,105 222,775 2,197 117 2,226 371 2,1146 2,605 2,105 4,45 2,145 2,604,761 2,144 2,145 2,144 2,145 2,144 2,145 2,144 2,145 2,144 2,145 2,144 2,145 2,144 2,145 2,144 2,145 2,144 2,145 2,144 2,145 2,144 2,145 2,144 2,145 2,144 2,145 2,144 2,145 2,144	iscellaneous*		509		19,948	-				-				Miscellaneous*
186,471 669 106 197,446 215,414 859 151 216,504 226,585 981 284 277,568 277,658 277,757	Manhattan	,756	670	-	1,867,312	1,577,625	298,365	•	,889,924	1,556,600	384,	\rightarrow	•	Manhattan
186, 47 486 106 1187, 426 215, 41 485 151 216, 504 225, 586 227, 086 4.594 118, 514, 290 225, 302 323, 311, 311, 329 225, 302 323, 301 329, 323 311, 320, 372 323, 301 329, 323 311, 325, 302 323, 301 329, 323 311, 325, 302 325, 302 325, 302 320, 323 314, 314, 387 329, 323 314, 316, 329 325, 301 329, 323 314, 316, 329 325, 301 329, 323 314, 316, 329 325, 302 329, 323 314, 316, 329 325, 323 314, 316, 329 325, 323 314, 316, 329 325, 323 314, 316, 329 325, 323 314, 316, 327 325, 323 314, 316, 327 325, 323 314, 316, 327 325, 323 325, 325, 323 325, 323 325, 323 325, 323 325, 325	RONX:								,	1				BRONX:
286, 68 4, 584 143 280, 571 227, 686 77, 78 227, 686 77, 78 280, 772 227, 686 77, 78 280, 772 227, 686 77, 77 227, 686 77, 77 227, 686 77, 77 227, 686 77, 77 227, 680 18, 283, 278 110, 280 18, 283, 278 110, 280 18, 283, 278 110, 280 18, 280 18, 281, 281, 281 <t< td=""><td>ord'm-Riverdale .</td><td>186,471</td><td>869</td><td>106</td><td>187,446</td><td>215,414</td><td>929</td><td>121</td><td>216,504</td><td>226,593</td><td>361</td><td>284</td><td>227,858</td><td>Ford 'm-Riverdale</td></t<>	ord'm-Riverdale .	186,471	869	106	187,446	215,414	929	121	216,504	226,593	3 61	284	227,858	Ford 'm-Riverdale
228,789 3,106 137 228,032 228,936 6,017 291 253,501 210,609 17,574 577 288,789 228,785 3,106 137 228,936 6,017 241 241,201 140,250 37,251 114 143,887 282,785 2,137 117 286,189 311,416 2,153 44 150,601 150 326,386 190 226,386 460 150,601 143,287 266,986 6,780 226,387 1140,250 286,986 6,780 226,986 6,780 286,986 1770 144,187 286,980 1180 147,286 148,487 148,4	orrisania	285,636	4,594	141	290,371	291,331	_	194	302,772	227,056	67,679	25	295,276	Morrisania
102,115 1,342 1,05,489 127,870 2,153 44 130,067 140,250 3,223 114 145,587 185,987 185,987 185,985 6,780 326 304,061 185,171 285,189 317,181 2,680 148 37,181 37,281 396,385 6,780 326 304,061 328,171 3,587 396 31,411 3,512,29 39,057 1,991 1,451,277 3,99,286 3,99	ott Haven	228,789	3,106	137	232,032	226,993		291	233,301	210,609	17,574	571	228,754	Mott Haven
289, 975 2,197 117 286, 189 311,416 2,690 145 514,251 296,955 6,780 356 304,061 165,177 528 47 165,746 137,296 1,820 145 514,251 296,956 6,780 254 2 1,251,747 12,960 581 1,265,268 1,376,131 1,551,229 96,057 1,911 1,451,127 77 286,286 651 136 294 18 311,976 316,997 740 185 319,880 256,589 7,476 109 286,122 286,122 286,231 1,024 105 246,220 224,876 318,880 286,122 350,487 350,287 476 296,280 224,877 344,776 296,280 224,878 318,486 324,187 350,487 350,487 350,487 350,487 350,487 350,487 350,487 350,487 350,487 350,488 346,280 366,296 224,978 376,488 350,488 346,280 </td <td>elham Bay</td> <td>102,115</td> <td>1,342</td> <td>31</td> <td>103,488</td> <td>127,870</td> <td></td> <td>44</td> <td>130,067</td> <td>140,250</td> <td>3,223</td> <td>114</td> <td>143,587</td> <td>Pelham Bay</td>	elham Bay	102,115	1,342	31	103,488	127,870		44	130,067	140,250	3,223	114	143,587	Pelham Bay
165,171 528 47 165,746 197,295 463 58 197,816 249,766 1,820 155 157,711 1,551,729 89,087 1,991 1,451,277 1,251,777	remont	282,875	2,197	117	285,189	311,416		145	314,251	296,955	6,780	326	304,061	
690 294 2 986 ————————————————————————————————————	estchester	165,171	528	47	165,746	197,295		82	197,816	249,766	1.820	155	251,741	Westchester
1,551,747 12,930 581 1,255,258 1,370,319 25,529 865 1,394,711 1,351,229 98,057 1,991 1,451,277 2,55,509 27,661 201 284,571 241,879 59,026 215 301,118 185,986 124,122 379 310,457 2,56,509 27,661 201 284,571 241,879 59,026 215 301,118 185,986 124,122 379 310,457 2,56,509 27,661 201 284,571 241,879 59,026 215 301,118 185,986 124,122 379 310,457 2,56,509 27,661 201 284,571 241,879 59,026 215 204,978 205 224,878 305 232,488 2,54,181 1,658 277 204 243,776 3,025 274 438,075 244,978 247,862 24,978 2,48,181 1,658 277 204 24,978 25,514 46,986 24,986 24,986 24,986 2,48,181 1,658 277 204 24,988 25,514 246,978 24,986 24,986 24,986 24,986 2,48,181 2,48,27 204 224,997 251,018 224,878 224,878 224,818 2,48,181 2,929 2,560,401 2,587,961 107,285 3,071 2,689,288 2,521,86 204,986 2,521,118 2,48,148 8,921 3,032 2,560,401 2,587,961 107,285 3,071 2,689,288 2,521,186 2,989 2,521,186 2,48,482 3,612 117 2,488 145,948 177,949 3,513 2,48,075 2,48,986 2,989 2,989 2,989 2,56,483 2,285 186 125,249 3,511 2,48,075 2,48,986 2,491 3,511 2,48,996 2,499 3,511 2,48,996 2,499 3,782 3,991 3,511 3	iscellaneous*	90	294	~	986	.			.	- 1	.	ļ	.	Miscellaneous*
289,286 651 153 290,080 310,918 940 118 311,976 318,907 740 183 311,976 318,907 740 183 311,976 318,907 740 183 319,437 290,437 290,585 774 183 321,122 379 310,437 290,585 774 183 324,121 321,122 379 310,437 290,585 374 311,437 321,122 328,746 328,124 321 328,124 321 328,144 321 328,124 321,122 328,174 328	Bronx			581	. 265,258	1,370,319	23,529	_	•	.351				
289,286 651 135 290,080 310,918 940 118 511,976 518,907 740 183 511,976 518,907 740 183 511,976 518,907 740 183 511,976 286,396 122,377 318,850 287,420 226,396 122,374 318,850 287,437 318,850 318,437 318,850 318,437 318,850 318,437 318,850 318,437 318,850 326,384 318,850 326,384 328,411 326,286 434,776 3,025 274 450,075 477,899 2,659 485,774 477,899 2,659 480,865 328,744 328,286 328,286 328,344 321,318 <t< td=""><td>ROOKLYN:</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>BROOKLYN:</td></t<>	ROOKLYN:													BROOKLYN:
256,509 27,661 201 284,571 241,879 59,026 215 505,11B 186,986 124,122 379 310,437 290,555 7,478 109 286,122 286,430 10,297 205 226,300 224,122 378,44 310,437 365,096 454,776 3,023 224,022 224,818 7,563 986 480,905 236,411 3,023 224,022 224,818 47,563 986 480,965 236,746 360,086 454,776 3,023 274 476,072 224,818 476,200 881 221,818 224,818 476,909 480,905 236,384 480,905 236,484 176,239 246,909 2,659 480,905 236,484 176,239 246,909 2,659 480,905 231,818 231,818 231,818 231,818 231,818 231,413 221,461 364 286 221,818 222,181 232,181 232,181 232,181 232,181 232,181 232,181 232,181 232,181 232,181	ay Ridge	-	651	133	290,080	310,918	940	118		518,907	740	183	519,830	Bay Ridge
290,535 7,476 109 298,122 286,430 10,297 205 296,930 261,409 11,14 521 279,844 239,576 1,189 144 240,909 238,731 1,824 105 244,220 224,878 7,565 36 285,746 196,776 1,638 773 217,004 184,807 22,147 477,809 2,560 81 221,968 2,482 126 267,286 270,200 2,560 81 221,918 321,318 <t< td=""><td>edford</td><td>256,509</td><td>27,661</td><td>207</td><td>284,371</td><td>241,879</td><td>59,026</td><td>213</td><td>501,118</td><td>185,936</td><td>124,122</td><td>379</td><td>310,437</td><td>Bedford</td></t<>	edford	256,509	27,661	207	284,371	241,879	59,026	213	501,118	185,936	124,122	379	310,437	Bedford
259,576 1,189 144 240,999 258,291 1,824 105 240,220 224,876 7,553 505 252,746 354,181 1,583 277 356,096 454,776 3,023 274 459,073 477,809 2,659 485 480,965 10,720 1,585 173 122,196 26,688 2,482 126 262,386 279,882 2,176 500 881 231,918 210,720 1,585 122 126 262,386 279,882 2,176 500 881 231,888 224,516 277 246 262,386 262,386 262,386 262,386 281 281 281 381	rownsville	290, 535	7,478	109	298,122	286,430	10,297	203	296,930	261,409	18,114	321	279,844	Brownsville
354,181 1,658 277 356,096 454,776 3,025 274 458,075 477,809 2,659 496 459,965 196,276 1,955 773 217,004 194,807 2,514 746 207,887 180,837 40,200 881 221,918 196,276 1,353 123 212,104 194,807 2,514 176,229 164,986 5,673 90 178,721 30 217,600 881 221,918 217,618 364 286 175,311 224,115 224,987 221,415 221,411 221,411 221,411 221,411 221,411 221,411 221,411 22	ushwick	239, 576	1,189	144	240,909	238,291	1,824	105	240,220	224,878	7,563	305	252,746	Bushwick
196, 276 19,955 773 217,004 184,807 22,514 746 207,867 180,837 40,200 881 221,918 210,720 1,555 123 212,196 259,688 2,482 126 279,382 2,176 500 281,886 210,720 1,555 127 204 224,997 251,018 228 164,986 6,503 902 172,391 224,118 2,77 204 224,997 221,183 222,163 201,461 364 286 225,111 2,486,118 2,779 204 224,997 245,286 3,071 2,689,285 2,551,86 4,617 2,711 2,486,148 68,921 5,052 7071 2,689,285 2,551,186 225,111 2,486,448 68,921 5,052 7071 2,689,285 2,525,186 20,472 4,617 2,718,175 2,486,448 68,921 5,051 1,770,385 14,45 53 1,46,553 2,525,186 206,472	Latbush	354,181	1,638	277	356,098	434,776	3,023	274	458,073	477,809	2,659	495	480,963	Flatbush
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	ort Greene	196,276	19,955	773	217,004	184,807	22,314	746	207,867	180,837	40,200	881	221,918	Fort Greene
178,721 5,929 824 185,474 171,906 5,552 771 176,229 164,986 6,503 902 172,391 224,516 277 204 224,997 251,018 228 167 251,413 221,461 564 286 222,111 248,118 2,790 24 251,152 228,238 5,577 348 251,461 564 281 6,503 902 172,591 2,488,448 68,921 5,051 2,689,285 2,567,961 1,688,285 2,525,186 209,581 6,077 2,689,285 2,525,186 209,581 6,077 2,788,175 2,086,611 477 190 228,225 644 175 246,075 2,525,186 209,681 1,778,174 1,460 297 208,660 120,179 2,883 186 123,248 1,709,949 5,551 255 174,553 283,802 4,077 765 283,644 166,349 1,612 125 125 126	ravesend	210,720	1,353	123	212,196	259,688	2,482	971	262,296	279,382	2,176	300	281,858	Gravesend
224,516 277 204 224,997 251,018 228 167 251,413 221,461 364 286 222,111 248,118 2,790 244 251,152 228,238 3,577 348 232,163 209,581 6,051 465 216,077 2,488,448 68,921 3,052 2,560,401 2,587,951 107,263 3,071 2,698,285 2,525,186 208,472 4,617 2,758,175 208,611 477 190 209,278 245,256 644 175 246,075 260,526 1,805 35 262,670 120,179 2,883 186 127,248 170,949 3,551 255 174,553 286,802 4,077 765 286,644 166,349 10,109 2,551 255 174,553 286,802 4,077 765 286,644 166,349 2,551 255 145 2,452 16 224,954 229,391 29,107 765 286,644 185	ed Hook-Gowanus .	178,721	5,929	824	185,474	171,906	5,552	771	176,229	164,986	6,503	905	172,391	Red Hook-Gowanus
248,118 2,790 244 251,152 228,238 3,577 348 232,163 209,581 6,031 465 216,077 2,488,448 68,921 5,050,401 2,567,951 107,263 5,071 2,698,285 2,555,186 209,581 6,051 465 216,077 208,611 47 190 209,278 2,45,256 6,44 175 246,075 260,526 1,805 359 282,670 142,767 5,051 138 145,956 172,950 4,490 154 177,574 196,903 11,460 297 208,660 166,349 2,583 145,43 126 224,954 229,591 297 269,660 166,349 3,612 112 176,949 5,551 255 174,553 283,902 4,077 765 289,644 186,231 18,609 14,77 146 2,452 160 255,796 270,195 274,199 2,190 186,231 18,609 18,609	unset Park	224,516	277	8	224,997	251,018	228	167	251,415	221,461	364	286	222,111	Sunset Park
2,488,448 68,921 3,032 2,560,401 2,587,951 107,263 3,071 2,698,285 2,525,186 208,472 4,517 2,738,175 208,611 477 190 209,278 245,256 644 175 246,075 260,526 1,805 359 262,670 142,767 5,051 138 145,956 172,950 4,490 154 177,574 196,905 11,460 297 208,660 120,179 2,883 186 123,248 170,949 3,551 253 174,553 285,802 4,077 765 288,644 166,349 9,612 112 176,073 210,285 14,543 126 224,954 229,591 29,801 355 256,309 259,527 185,291 301 57 185,649 2,452 160 255,796 256,309 599 271,169 274,169 274,169 1,059,680 18,609 840 1,079,125 1,077 1,079 1,079 1,0	msbrgGreenpt	248,118	2,790	244	251,152	228,238	ເດ	348	232,163	209,581	6,031	465	216,077	WmsbrgGreenpt
208,611 477 190 209,278 245,256 644 175 246,075 260,526 1,805 559 262,670 142,767 5,051 138 145,956 172,950 4,490 154 177,574 196,903 11,460 297 208,660 120,179 2,885 186 125,248 170,949 5,551 253 174,553 285,802 4,077 765 288,644 166,349 9,612 112 176,073 210,285 14,543 126 224,954 229,391 29,801 355 258,644 166,349 3,612 112 176,073 210,285 145 224,954 229,391 29,801 355,527 185,291 301 57 185,649 1,079,129 1,270,731 25,890 1,013 1,297,634 1,497,126 51,524 2,199 1,550,849 118,232 2,197 14 120,575 126,084 3,120 1,44 1,497,121 186,065 5,246 <td>Brooklyn</td> <td>2,488,448</td> <td>68,921</td> <td></td> <td></td> <td></td> <td>107,</td> <td></td> <td></td> <td></td> <td>208,472</td> <td>•</td> <td></td> <td>Brooklyn</td>	Brooklyn	2,488,448	68,921				107,				208,472	•		Brooklyn
208,611 477 190 209,278 245,256 644 175 246,075 260,526 1,805 539 262,670 142,767 5,051 138 145,956 172,950 4,490 154 177,574 196,905 11,460 297 208,660 120,179 2,883 186 125,248 170,949 5,551 253 174,553 285,802 4,077 765 288,644 166,349 9,612 112 176,073 210,285 14,543 126 224,954 229,591 29,801 355 288,644 166,349 9,612 112 176,073 210,285 14,543 126 224,954 229,591 29,801 355 259,527 185,291 301 166,386 18,609 840 1,079,126 1,497,126 51,524 2,199 1,555,7179 118,252 2,197 146 120,675 126,084 3,120 1,097,712 1,497,126 5,246 2,46 191,555	UEENS:	1										i		QUEENS;
142,767 3,051 138 145,956 172,930 4,490 154 177,574 196,903 11,460 297 208,660 120,179 2,883 186 123,248 170,949 3,551 255 174,553 283,802 4,077 765 288,644 166,349 9,612 112 176,075 210,285 14,543 126 224,954 229,391 29,801 355 259,527 236,483 2,285 157 238,925 253,184 2,452 160 255,796 270,195 3,782 192 274,169 185,291 301 57 181,127 410 145 218,682 2,701,185 3,782 1,497,126 51,524 2,199 1,550,849 1,059,680 18,609 840 1,079,129 1,270,731 25,890 1,013 1,297,634 1,497,126 51,524 2,199 1,550,849 118,282 37 37 44,791 277 21 45,089 5,246	storia-L.I.City .	208,611	4.1.1	190	209,278	245,256		175	246,075	260,526	1,805	SCC	262,670	Astoria-L. I.Cit
120,179 2,885 186 123,248 170,949 5,351 255 174,553 285,802 4,077 765 288,644 166,349 9,612 112 176,073 210,285 14,543 126 224,954 229,391 29,801 335 259,527 185,291 301 57 185,649 218,127 410 145 218,682 256,309 599 271 257,179 185,291 301 57 185,649 218,127 410 145 218,682 256,309 599 271 257,179 18,252 2,197 146 120,575 126,084 3,120 148 129,552 186,065 5,246 246 191,555 155,594 2,576 176 158,346 170,875 3,397 169 174,441 186,065 5,246 246 191,555 155,594 2,576 176 158,346 6,977,501 458,444 19,050 7,454,995 7,116,204 747,780 27,973 7,891,957 120,179 120,179 120,446 6,977,501 458,444 19,050 7,454,995 7,116,204 747,780 27,973 7,891,957 120,179 120,179 120,179 120,179 120,179 120,1797 120,1797 120,1797 120,120	orona	142,767	3,051	138	145,956	172,950		154	177,574	196,903	11,460	297	208,660	Corona
166,349 9,612 112 176,073 210,285 14,543 126 224,954 229,391 29,801 535 259,527 236,483 2,285 157 238,925 255,184 2,452 160 255,796 270,195 3,782 192 274,169 185,291 301 57 185,649 218,127 410 145 218,682 256,309 599 271 257,179 1,059,680 18,609 840 1,079,129 1,270,731 25,890 1,013 1,297,634 1,497,126 51,524 2,199 1,550,849 118,252 2,197 146 120,575 126,084 3,120 148 129,352 186,063 5,246 246 191,555 37,362 37,771 44,791 277 21 45,089 174,441 186,063 5,246 246 191,555 155,594 2,576 176 158,346 170,875 3,397 1,454,411 186,063 5,246 246 191,555 6.587,225 327,706 156 6,977,501 458,444 <td>lushing</td> <td>120,179</td> <td>2,883</td> <td>186</td> <td>123,248</td> <td>170,949</td> <td></td> <td>255</td> <td>174,553</td> <td>283,802</td> <td>4,077</td> <td>765</td> <td>288,644</td> <td></td>	lushing	120,179	2,883	186	123,248	170,949		255	174,553	283,802	4,077	765	288,644	
256,483 2,285 157 238,925 255,184 2,452 160 255,796 270,195 5,782 192 274,169 185,291 301 57 185,649 218,127 410 145 218,682 256,309 599 271 257,179 1,059,680 18,609 840 1,079,129 1,270,731 25,890 1,013 1,297,634 1,497,126 51,524 2,199 1,550,849 118,252 2,197 146 120,575 126,084 3,120 148 129,552 186,063 5,246 246 191,555 37,362 37,771 44,791 277 21 45,089 174,441 186,065 5,246 246 191,555 155,594 2,576 176 158,346 170,875 3,397 169 174,441 186,067 5,246 246 191,555 6.587,225 527,706 15,515 6,930,446 6,977,501 458,444 19,050 7,454,995 7,116,204 <t< td=""><td>amaica, East</td><td>166,349</td><td>9,612</td><td>112</td><td>176,073</td><td>210,285</td><td></td><td>126</td><td>224,954</td><td>229,391</td><td>29,801</td><td>335</td><td>259, 527</td><td></td></t<>	amaica, East	166,349	9,612	112	176,073	210,285		126	224,954	229,391	29,801	335	259, 527	
185,291 301 57 185,649 218,127 410 145 218,682 256,509 599 271 257,179 1,059,680 18,609 840 1,079,129 1,270,731 25,890 1,013 1,297,634 1,497,126 51,524 2,199 1,550,849 118,252 2,197 146 120,575 126,084 3,120 148 129,352 186,063 5,246 246 191,555 37,362 37,771 44,791 277 21 45,089 174,441 186,063 5,246 246 191,555 155,594 2,576 176 158,346 170,875 3,397 169 174,441 186,063 5,246 246 191,555 6,587,225 327,706 15,515 6,930,446 6,977,501 458,444 19,050 7,454,995 7,116,204 747,780 27,973 7,891,957	anaica, West	236,483	2,285	157	238,925	253,184		160	255,796	270,195	3,782	192	274,169	Jamaica, West .
1,059,680 18,609 840 1,079,129 1,270,731 25,890 1,013 1,297,634 1,497,126 51,524 2,199 1,550,849 118,232 2,197 146 120,575 126,084 3,120 148 129,552 37,362 3,246 246 191,555 37,362 379 30 37,771 44,791 277 21 45,089 174,441 186,063 5,246 246 191,555 155,594 2,576 176 158,346 6,977,501 458,444 19,050 7,454,995 7,116,204 747,780 27,973 7,891,957	aspeth-For.Hills.	185,291	201	27	185,649	218,127		145	218,682	256,309	599	271	257,179	Maspeth-For.Hil
118,232 2,197 146 120,575 126,084 3,120 148 129,352 186,063 5,246 246 191,555 37,362 37,771 44,791 277 21 45,089 174,441 186,063 5,246 246 191,555 155,594 2,576 176 158,346 170,875 3,397 169 174,441 186,063 5,246 246 191,555 6,587,225 327,706 15,515 6,930,446 6,977,501 458,444 19,050 7,454,995 7,116,204 747,780 27,973 7,891,957	Queens	1,059,680	18,609	840	1,079,129	1,270,731	`	1,013	1,297,634	1,497,126	51,524	2,199	1,550,849	Queens
118,252 2,197 146 120,575 126,084 3,120 148 129,552 3 186,063 5,246 246 191,555 37,362 37,771 44,791 277 21 45,089 3 186,063 5,246 246 191,555 155,594 2,576 176 158,346 170,875 3,397 169 174,441 186,063 5,246 246 191,555 6,587,225 327,706 15,515 6,930,446 6,977,501 458,444 19,050 7,454,995 7,116,204 747,780 27,973 7,891,957	ICHMOND:													RICHMOND:
37,362 379 30 37,771 44,791 277 21 45,089 / / ,	t. George	118,232	2,197	146	120,575	126,084	3,120	148	129,352	3 186.063	5.246	246	191,555	St. George
155,594 2,576 176 158,346 170,875 3,397 169 174,441 186,063 5,246 246 191,555 6.587,225 327,706 15,515 6,930,446 6,977,501 458,444 19,050 7,454,995 7,116,204 747,780 27,973 7,891,957	ottenville \cdots	37,362	- 1	30	37,771	44,791	277	ส	45,089	, , , , , , , , , , , , , , , , , , ,	2 (!		Tottenville
6.587,225 327,706 15,515 6,930,446 6,977,501 458,444 19,050 7,454,995 7,116,204 747,780 27,973 7,891,957	Richmond	155,594	•	176	158,346	170,875	5,397	169	174,441	186,063	5,246	246	191,555	Richmond
				515		105,776,8	458,444	19,050 7	7,454,995	7,116,204	747,780	27,973	7,891,957	NEW YORK CITY .



TUBERCULOSIS MORBIDITY, NEW YORK CITY
REGISTRATION OF NEW CASES
1898-1950

REGISTRATION OF NEW CASES OF PULMONARY TUBERCULOSIS BY BOROUGHS, NEW YORK CITY SINCE 1898

-		Num	ber of	New Cas	es	** ~	Y .	Ra	te per	100,000	+	
	Man-		7		<u> </u>	New	Han-					New
	hat-		Brook-		Rich-	York	hat-		Brook-		Rich-	York
Year	tan	Bronx	lyn	флееле	mond	City	tan	Bronx	lyn	Queens	mond	City
1898	(8.5	59)	_ +	†	†	+	(43	3)	+	+	+	+
1899	(8.0		+	+	+	•	(39	g)	•	•	+	+
1900	6.726	477	4,650	8 6	58	11,997	363	1	397	56	86	348
1901	8,692	744	4.079	124	<i>6</i> 4	13.703	457	237 3 4 7	3 3 9	77	94	385
1902	9.130	592	2.838	254	100	12,914	467	260	559	149	144	352
1903	10.334	869	3.426	388	197	15,214	515	359	267	216	279	402
1904	12.579	943	4,539	thit.	218	18.723	610	367	344	235	304	480
1905	14,081	955	4.897	504	394	20.831	665	348	359	252	539	517
1906	12.693	1.198	5.324	603	267	20,085	588	<i>3</i> 97	376	280	353	482
1907	12,412	1,327	5.157	645	184	19.725	563	460	351	279	235	457
1908	14.734		6.233	598	274	23.325		408	408	540	339	522
1909	16,877	1,601	6,407	625	157	25,667	736	399	404	233	188	554
1910	21.380	2,087	7.592	800	206	32.065	917	477	462	278	238	670
1911	15.501		6.066	851	236	24,513		397	361	277	263	503
1912	13,929		5.828	749	246	22.752	_	400	338	230	265	459
1913	12.971		6,168	976	241	22,671	560	436	350	283	251	1449
1914	12,328	2.131	5.976	959	210	21.604	533	379	332	263	212	421
1915	12,648	1.g70	6.140	1,306	177	22,141	548	316	334	341	173	424
1916	11,113		5.493	828	203	19,297	483	266	292	206	192	363
1917	9.476	1,633		717	17Ó	17,494		249	281	170	156	324
1918	7.885		4.228	680	145	14,439	344	219	216	154	130	263
1919	7.713		4,363	5 11 2	192	14.570		5,46	218	118	167	261
1920	7.452	1.396	4,095	885	210	14.035	329	184	200	177	177	247
1921	7.010	1.476	3,704	613	163	12,966	315	182	177	110	133	223
1922	7.069	1.405	3.958	733	164	13,329	324	163	184	119	129	224
1923	5.490	1,290	3.598	797	161	11.336	256	141	163	118	123	187
1924	5,901	1,222	3,744	862	205	11,934	581	126	166	117	152	193
1925	5.378	1,417	3,102	903	155	10,955	261	139	134	113	112	173
1926	4.957	1,490	3.067	803	181	10,498	245	139	130	94	127	163
1927	4.856	1,779	3,101	912	225	10,873	245	159	128	100	153	165
1928	4.912	1,968	3.437	1,045	252	11,614	253	168	1 <i>3</i> 9 147	107	167	173
1929	4.949	1.853	3.704	1.199	233	11,938	261	151	147	116	150	175
1930	5.458	1,591	3,362	1,228	182	11,821	292	125	131	113	115	170
1931	5.553	1,590	3.357	1,099	195	11,794		124	130	99	122	169
1932	5.000	1,424	2,970	1,024	171	10.589	267	110	115	91	106	150
1933	4,611		2,942	989	156	9,991	246	99	113	86	95	141
1934	4,712			1.068	174	9,990	251	100	104	91	105	140
1935	4.095	1,229	2,408	942	122	8.796	218	92	91	7 9	73	122
1936	4,142	1.123	2,623	958	141	8.987		83	99	79	84	124
1937		1,170		978	109	9.128		86	86	79	64	125
1938	4,335	1,045	2,168	1.086	114	8,748		76	81	86	66	119
1939	3.901		2,222	954	127	8.277		77	83	74	73	112
	7.701			,,,		L	<u> </u>			<u> </u>		1

REGISTRATION OF NEW CASES OF PULMONARY TURERCULOSIS BY BOROUGHS, NEW YORK CITY SINCE 1898

		1	Mumber o	of New	Cases	j	İ	Ret	e per l	000,000	+	
i	Men-				1	New	Man-		, -	1		New
	hat-		Brook-		Rich	York	hat-		Brook-		Rich-	York
Year	ten	Bronz		Queens	mond	City		Bronx		Queens	mond	City
1940	3,825	979	2.284	997	127	8,212	202	70	85	76	73	110
1941	3.859	1.082	2.301	1,105	112	8.459		77	85	83	63	113
1942	4,000	1,124	2,603	1,292		9.145	570	80	96	95	71	121
1943	3,426	1.141	2.460	1,132	124	8,283		81	91	82	69	109
1944	3,090	953	2,080	965	141	7,229	161	67	77	69	78	95
1945	2,813	805	1,713	786		6,232		57	63	55	63	gl
1946	2,888	8/10	1.724	838	96	6,386	149	59	63	58	52	83
1947	3,167	903	1,779	894	89	6.832	163	63	65	60	48	88
1948	3,477	975	1.917	892	98	7.359		68	70	59 54	52	94
1949	3,588	936	1,900	833	87	7.344	184	65	69	54	46	93
1950	3,168	773	1,700	774	103	6,518	161	53	62	50	54	82
1951					-							
1952												
1953							ll ^t					
1954												

*Per 100,000 population in each borough. †Registration of tuberculosis having originated in 1893 in the former section of New York City -- Manhattan and the Bronx -- it was presumably some time after consolidation that it became adequate in every borough.

REGISTRATION OF NEW CASES OF PULMONARY TURERCULOSIS BY BOROUGHS, NEW YORK CITY
Annual Average During Five-Year Periods Since 1900

<u></u>			dumber (of New (Cases		-	Rat	e per l	100,000		
'	Man-	ſ			_	New	Man-					New
	hat-		Brook-		Rich-		hat-		Brook-		Rich-	
Year	tan	Bronx	l <u>yn</u>	Queens	mond	City	ten	Bronx	lyn	Queens.	mond	City
1900-04	9492	725	3907	259	127	14510	485	318	314	152	184	396
1905-09	14159	1313	5604	595	255	21926	643	396	381	257	326	508
1910-14	15222	2078	6326	867	228	24721	656	416	367	266	245	1498
1915-19	9767	1685	5124	815	177	17588	425	257	267	193	163	326
1920-24	6584	1358	3820	777	181	12720	302	158	178	126	143	214
1925-29	5011	1702	3282	972	209	11176	253	152	136	106	142	170
1930-34	5067	1444	3068	1082	176	10837	271	112	118	96	108	154
1935-39	4209	1128	53/1/1	984	122	878 7	223	83	88	79	72	120
1940-44	3640	1056	2346	1098	126	8266	191	75	87	81	71	109
1945-4 9	3187	892	1807	848	97	6831	164	62	66	57	52	88
1950-54											Ĺ	

	1	Num	ber of l	lew Cas	es			Case	Rate pe	r 100.0	000	
	Man-					New	Man-					New
	hat-		Brook-		Rich-	York	hat-		Brook-		Rich-	York
Āear	tan	Bronx	lyn	Queens	mond	City	tan	Bronx	lyn	Queens	mond	City
1921	7364	1503	3802	623	163	13455	331 -	186	181	112	133	231
1922	7418	1425	4122	754	164	13883	3)1 0	165	192	122	129	234
1923	5707	1324	3743	815	161	11750	266	145	170	120	123	194
1924	6166	1255	3890	878	209	12398	293	130	172	119	155	200
1925	5589	1445	3203	917	155	11306	271	142	139	115	112	179
1926	5185	1520	3186	825	186	10902	257	142	135	96	130	169
1927	5031	1826	3202	933	230	11222	254	163	133	102	156	171
1928	5114	2037	3553	1080	261	12045	264	173	144	111	173	180
1929	5125	1924	3802	1226	236 '	12313	270	157	151	119	152	180
1930	5847	1672	3546	1257	184	12506	313	132	138	116	116	180
1931	5879	1651	3548	1141	199	12418	314	129	138	103	124	178
1932	5451	1525	3178	1089	184	11427	291	118	123	97	114	162
1933	5053	1396	3112	1042	168	10771	270	107	119	91	103	152
1934	5144	1409	2892	1099	178	10722	274	107	110	94	108	150
1935	4473	1303	2570	995	125	9466	238	98	98	83	75 86	131
1936	4508	1216	2843	1057	145	9769	5,10	90	107	87		135
1937	119110	1252	2451	1081	116	9840	262	92	92	87	6 8	135
1938	4823	1136	2387	1275	121	9742	256	83	8 9	101	71	132
1939	4488	1158	2415	1046	138	9245	238	84	90	82	80	125
1940	4230	1062	2 49 0	1084	139	9005	224	76	92	83	79	121
1941	4265	1156	2498	1176	127	9222	225	82	92	88	72	123
1942	4373	1203	2762	1364	132	9834	229	85	102	101	74	130
1943	3697	1241	2642	1238	132	8950	193	88	97	90	73	11g
1944	3462	1074	2249	1027	161	7973	180	76	83	73	89	104
1945	3221	939	1922	857	123	7062	167	66	71	60	67	92
1946	3255	945	1905	915	103	7123	168	66	70	63	56	92
1947	3596	1018	1939	945	104	7599	185	71	71	64	56	98
1948	3988	1104	2129	976	109	8306		77	78	65	58	106
1949	f+5&0	1111	2166	917	93	8567	219	77	79	60	49	109
1950	3847	944	1948	859	119	7717	196	65	71	55	62	98
1951							ı					
1952												
1953												
1954	ļ		t						<u> </u>			

NEW CASES REGISTERED, TUBERCULOSIS ALL FORMS, NEW YORK CITY Annual Average During Five-Year Periods Since 1921

		क्रमम	TOT TAG	rage Du	TTHE T	140-109	u 101.	LOGB D.	1100 17			
	i .	Nu	nber of	New Ca	808	† 		Cas	se Rate	per 10	0,000	
•	Man-	-				New	Man-					New
	hat-		Brook-		Rich-	York	hat-		Brook-		Rich-	York
Period	tan	Bronx	lyn	Queens	mond	City	tan	Bronx	lyn_	Queens		City
1921-247	6664	1377	3889	76g	174	12872	308	155	179	119	135	214
1925-29	5209	1750	3389	996	214	11558	263	156	140	109	145	176
1930-34	5475	1531	3255	1126	182	11569	292	118	126	100	113	164
1935-39	4646	1213		1091	129	9612	247	89	95	88	76	131
1940-44	4005	1148	2528	1178	138	8997	210	82	93	87	77	119
1945-49	3668	1024	2012	921	106	7731	189	71	74	62	57	99
1950-54	[<u> </u>		j			_		l <u></u>]	Ì	<u> </u>

†Four year period.

NEW CASES OF TURERCULOSIS (All Forms) REGISTERED MONTHLY New York City, Since 1921

-	!					<u> </u>							
Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Total
1921 1922 1923 1924	988 999 950 1203	1095	1209	1261 1036	1517 1249	1254 1267 1024 1108	1193 965	1090		1160 1089 949 972	955 896 882 1034	1098 1081 697 975	13455 13883 11750 12398
1925 1926 1927 1928 1929	953 853 870 997 1293	8 ¹ 41 936 915	1089 1032 1081 1354 1117	1027 892 1104	1020 1057 1000	959 699	968 924 790 660 898	867 722 895 737 838	921 1013 858 1123 995	789	723 751 1162 945 864	861 843 1193 991 869	11306 10902 11222 12045 12313
1930 1931 1932 1933	1082 1063 943 885 897	855 976 935 872 735	1264	1117 1010 986	1077		1047 973 990 731 974	1025 947 940 1010 918	980 1090 832 782 7 57	1081 1037 889 828 977	888 886 759 796 822	904 849 848 851 781	12506 12418 11427 10771 10722
1935 1936 1937 1938 1939	860 831 738 875 829	611 804 749 657 613	884 1113 1009 786 984	815 944 894 852 772	781 892 7 8 4 856 85 4	775 835 1033 1001 967	781 844 752 827 770	694 733 864 851 845	746 744 757 821 693	95 ¹ 4 677 735 776 699	639 676 8 40 679 627	926 676 685 761 592	9466 9769 9840 9742 9245
1940 1941 1942 1943	779 921 744 705 635	611 526 625 683 632	846 944 876 832 741	861 793 955 913 607	859 929 910 800 834	720 875 1014 688 830	879 935 849 898 620	815 732 775 754 705	681 707 709 639 568	737 739 864 711 645	561 565 820 579 617	656 556 693 748 539	9005 9222 9834 8950 7973
1945 1946 1947 1948 1949	647 601 725 664 6 22	489 528 530 518 776	642 636 629 682 935	650 532 543 781 693	627 722 866 731 770	552 662 615 762 801	744 587 689 672 734	623 596 599 7 99 717	534 635 636 575 647	595 573 729 771 627	531 518 394 674 505	428 533 644 677 740	7062 7123 7599 8306 8567
1950 1951 1952 1953 1954	593	541	827	654	3 85	877	500	938	473	559	722	648	7717

Note: Data by months not available prior to 1921.

NEW CASES OF TUBERCULOSIS (All Forms), NEW YORK CITY Average Monthly During Five-Year Periods Since 1921

Month	Jan.	Feb	Mar.	Apr.	Иау	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Year
Period: 1921-24†	1035	943	1225	1227	1231	1163	1105	1015	981	1042	942	963	12872
1925-29	993	936	1135	1041	1086	937	8)18	812	982	948	889	951	11558
1930-34	974	875	1102	1028	1093	1059	943	968	888	962	830	847	11569
1935-3 9	827	687	955	8 56	833	922	795	797	752	768	692	728	9612
1940-44	757	615	848	826	867	826	836	756	661	739	628	638	8997
1945-49	652	568	705	640	743	679	685	667	605	659	524	604	7731
1950-54								_					

tAnnual average for four-year period.

AVERAGE MONTHLY REGISTRATION RATE*, NEW CASES OF TUBERCULOSIS New York City, Since 1921

			-			-	İ				· ·	-	1
Month	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Yeart
Period: 1921-24#	200	202	237	245	238	233	214	196	196	202	188	186	214
1925-29	175	183	200	190	192	171	150	143	179	167	162	168	176
1930-34	160	160	182	175	180	180	155	159	151	159	141	139	164
1935-39	131	121	152	140	132	151	126	127	123	122	114	116	131
1940-44	116	105	130	131	136	131	129	116	105	114	100	98	119
1945-49	97	94	105	99	111	105	102	100	93	98	81	90	99
1950-54													

^{*}Rates per 100,000 population for 30-day month. †Full year. ‡Four-year period.

	Other forms	gitie	y	17	All forms	- surior	- MD	Respiratory	RICHMOND:	All forms	Other forms	Meningitis	Respiratory	QUEENS:	All forms	forms	gitie	٠ :	BROOKLYN:	All forms	:	:	Respiratory	All forms	:	•	Respiratory		1
בייצב ן	216	273	12966 1		163	c	0	163	•	623	0	ಕ	613	1	3802	0	98	3704		1503	12	<u>ጜ</u>	1476	7364	405	بر الخ	010	1921	
			13329		£ 1€	c	0	164	,	75 ¹ 4	0	2	733		#122	0	164	3958		1425	0	8	<u>1</u> 55	7418	129	22,	7064	1922	REG
11750	110	克	11336	ı	161	c	0	161	.	815	0	18	797		3743	15	130	3598	•	1324	0	<i>ት</i>	1290	5707	95	122	7 <u>100</u>	1923	REGISTRATION
BOZCL	109	355 355	11934		209			20 5				16			3890	9	137	3744		1255	ō	33	1222	9369	100	5	765 51	1924	TO NOI
902.11	90	<u> 2</u> 61	10955	•	155	0	0	155	,	917	0	hT			3203	2	99	3102		1442	Ž	23.	1417	5589	86	125	5.17 8	1925	
			3640T		186	5	. 0	181		825	0	₈	803		3186		117			1520		୫'		5185		157		326t	NEW CASES OF
66611	_ ¥1	80%	10873		230	5	0	225		933	0	22	912		3202	0	101	3201		1826	ó	1 4	1779	£05	1 41	五(1)	7587 F842	1927	
2	75		11		261	8	ىر	252		1080	0	৸	101 151		3553	0	911	 		2037	22	L t	3961 	4116	52	25.	<u></u>	1928	TUBERCULOSIS
	108				236	0	· W	233			\vdash	27			3802	0	98	3704		1924	37	Æ′,	1853	5125	71	56	E	1929	벍
שבטל	370	315	11821		184	0	, N	182		1257	0	<i>1</i> 8	1228		3546	81	103	3362		1672				5847	245	科	7)158	1930	FORM,
પ્રામૃત	388	236	11794		199	Γ				1141					3548					1651				5879				1931	A MEN
בתוו	576	565	10585		184			171		1089					3178					7525				1		ott		1932	DRK CI
17771	524	<u>S</u>	9991	Į	168	t	77	- 726		उम्प्र	\vdash			-	3112	201	83	29112		1396	_			5053	331	111	<u></u>	1933,	r, si
cc201	526	<u>8</u>	9991 9990		178	Γ				1099					2892					1409				Ι		28		1934	
994b	Yog	171	8796		125	T				995	\vdash				2570	117	£	2408	_	1303	_			14473	296	8	505	1935	12
			8987		745 541	t			_	1057	76	<u>ය</u>	958		2843	-				1216				+	_	ا ا ا		1936	JI
-	_		9128		911	H				TBOL	-				2451	⊢				1252				-	_	ر ا ال		1937	4

All forms	Other forms	Meningitis	Respiratory	NEW YORK CITY:	All forms		Meningitis	Respiratory	RI CHMOND:	All forms		Meningitis	Respiratory	Queens:	All forms	Other forms	ure	Respiratory	BROOKLYN:		Other forms	Meningitis	Respiratory	BRONK:	All forms	Other forms	Meningitis	Respiratory	MANHATTAN:	Year	
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2476	873	121	8748	•	121	_	n ro	114		1275	117	72	1086	,	2387	1/9	ŧ	8912	, '	1136	8	<u>بر</u> بر	2 1 01	,	4823	¥32	56	¥335		1938	REG
5456	824	141	8277		138	[c	זטת	127		3401	74	18	95 4		2415	149	ŧ	2522		1158	66	19	1073	_	8844	529	5 8	106 2		1939	REGISTRATION
9005	703	90	8212		139	Ę		127		1084	77	or or	997	-	2490	171	႞ၛ	2284	,	1062	72	11	979		H230	373	걿	3825		0 1 6T	TION OF
9222	662	101	65tt8	,	127	ţ	วีง	211	,	1176	නි	11	1105		2498	757	ĺξ	2301	-	1156	62	, L	1082		4265	373	33	3859		1941	MEM
9834	802	87	9145		132	c	, 0	126		1364	61	11	1292		2762	1,5#	į	2603	`	1203	49	<u>5</u>	1124	•	4373	337	36	000	•	1942	CASES
8950	590	77	8283		132	0	a O	124		1238	94	72	1132		2642	641	- 33	945	- ·	1241	46	· σ	141	-	3697	245	گ	3426		1943	OF TUBERCULOSIS
7973	650	9	7229		161	7.		141	•	1027	50	12	965	,	2249	45T	, , ,	2080	,	1074	99	22	953	;	3462	334	<u>8</u>	0606		1944	ER CULO
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7123	682	ঠ	6386	1	103	_	4 O	96	\	915	71	6	838		1905	799		1724	-	9 ⁴ 5	92	13	826	<u>.</u>	3255	345 246	. 15	2888		346T	FORM.
7599	708	দ্ৰ	6832	ì	104	1	در ج	39	•	942	₽ 8	N	468		1939	140	, 1, 1,	1779		1018	107	00	903	•	3596	395	¥	3167	.	1947	
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		- '		•				- 1	L	New C	18e8 F	egist	ered D	uring	Year			,		•	7	
HEALTH CENTER DISTRICT	1930	1931	1952	1933	1934	1935	1926 1	1937 19	1958 1959	9 1940	1941	1942	1945	1944	1945]	945 1946 1947	_	18 18	1948 1949 1950	ko 1951 1952 1953 1954	4	HEALTH CENTER DISTRICT
MANHATTAN:	1			•																	=	Manhattan :
Central Harlem	1119		102	1066	1021	848	1097 1	_			_	<u> </u>	737	778	701				918 794	4	<u> </u>	Central Harlem
East Harlem	776		697	701	609	288	583				_		382	322	510			521 5	544 485	5	<u>편</u>	East Harlem
Kips Bay-Yorkville	468		455	4 20	387	422	342			_			327	308	272			250 2	257 202	<u> </u>	M	Kips Bay-Yorkville
Lower East Side	1053		980	て6	1110	820	725		_				622	597	539	_					ĭ	Lower East Side
Lower West Side	1185		971	878	996	715	745				_	767	695	616	286					<u> </u>		Lower West Side
Riverside	570		264	461	513	492	521						203	445	458					-	-	ide.
Washington Hgts	564		515	454	468	428	441						425	396	345					ı N	*	_
Miscellaneous*	132	162	167	152	2	49	2	41	17 41	%	15		:	:	•					· •		Wiscellaneous*
Manhattan	5847	5879	5451	5053	5144	4473 4	4	4	Ľ	4	4	4373	3697	3462 2	3221 3	١		۱	Ю	2	1	Manhattan
BROWX:									⊢	ı	ı	┡	ı	⊢	ı		_				ă	DOWN.
Fordham-Riverdale	238	228	202	195	208	162	173						35.	136	וכר	. 061	1 26	ר 146	א כרר	78	Ĭ,	Droma: Rowdbern Birerdele
Morrisania	421	378	353	532	307	511	288		_				31	274	152				K	· «	íà	Morrison to
•	552	387	347	291	277	258	256	305	240 252	200	266	8	1 6	4	232	-) ví		Mote tentile
Pelham Bay	155	120	95	114	115	125	8				_		ā	6	2.2		•			0 4	<u> </u>	Dolber Der
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Miscellaneous*	2	, L	7.	, K	200	1) ! EU	5	_		•			3	27	TYO					p		Mestchester
			5 2		֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓	3 1		اح	•	'				:						•		Miscellaneous*
	77.91	Tegr	525	1536	1409	1505 1	216 1	252 11	36 1158	8 1062	1156	1203	1241	1074	939	945 10	1018 11	1104 1111	11 944	4		Bronx
BROOKLYN:			-	!		,															-	BROOKLYN:
Bay Kidge	282	305	514	292	283	255	_		_				251	전	170			166 1	140 120	0	Ä	Bay Ridge
Bedford	8	409	321	20 20 20 20 20 20 20 20 20 20 20 20 20 2	387	312	_						398	360	364				447 585	ດ	Ä	Bedford
Brownsville	324	202	272	စ္တ	368	20			_		-		212	189	145		153 1	158 1		80	<u>~</u>	Brownsville
Bushwick	329	558	295	205	222	237					_		229	170	152	187					<u> </u>	Bushwick
Flatbush	260	384	326	211	289	263			_				328	252	214			205 1	170 169	<u></u>	E	Flatbush
Fort Greene	463	459	379	285	341	299	_						318	262	230					o		Fort Greene
Gravesend	198	233	249	180	228	170					-		164	122	87					96	<u> </u>	Gravesend
Red Hook-Cowanus	451	420	358	349	556	583							279	248	224				C	- (ď	C
Sunset Park	334	303	283	272	238	235					_		225	227	163					1 80		Sunset Park
WmsbrgGreenpoint	386	390	351	356	29 4	513	316	248 2	260 288	8 261	259	283	238	218	173					•		spoolnt
lyn	3546	3548 3	5178	3112	2892	2570 2	12	~	N	R	Ň	2	[]	2249 1	~	905 19	1939 21	12 62 12	2166 1948	œ		Brooklyn
QUEENS:																	_				jo	OUFENS:
Astoria-L.I.City	232		207	189	207	209	227				256		256	209	159	170		185 1	165 166	v		Astoria-L. I. City
Corona	反 전		8	198	165	142	_		_		150		199	155	136					0	<u>ဗ</u>	Corona
Flushing	159		8	8	גנו	119			_		170		167	137						7	<u>-</u>	_
Jamaica East	253		216	215	232	176				•	בא		199	190						4		
Jamaica West	231		236	197	245	214				-	232		223	174					151 147	2		Jamaica West
Maspeth-Forest Hills	181	170	132	147	129	135				6 163	167		18	162	128					0	-	
•	1257	1141 1	680	1042	1099	995 1	~	081 12	275 1046	-	1176	1364	1238	1027	857	915	942	976	917 859	6	_	Oueens
RICHMOND:						\vdash						_									R.	RICHMOND:
St. George	146		146		153		106	88					25.0	נאַ	7.03	ר אַטר	<u>ק</u>	901	ס רו אָס		<u>.</u>	St. George
Tottenville	38				25	_	29	28	29 27		23	_	201	1				,			<u>ئ</u> ز	enville
Richmond	184	'	_	_ '	178	-		7	\dashv	8 139	127	132	132	161	123	103	104	109	93 119	6	— —	Richmond
New York City Residents Inknown Addresst		12257 11 161	1525 1	0687 1 84	.0697 25	84.26 8.56 8.50	9735 98 **	815 97 25	37 9226 5 326	œ	9218	9834	8950	7973 7	7062 7	7123 73	7599 83	8506 85	8567 7717	7	Ä:	New York City Residents
T. A. T.	1 2676	-	-	. [3 8	+	- 1	- 1		- 1	- 1	_	- 1	-	- 1		 				5	Unknown Addresst
•		17418 11	_	10771	10722	9466	9769 98	9840 97	9742 9245	5 9005	9222	9824	8950	7973 7	7062 7	71.23 73	7599 83	8306 8567	67 7717	7		NEW YORK CITY TOTAL

*New cases undistributed (1930-1941) because they occurred among residents of islands or other special areas not covered by local health center arrangements. †Borough of residence but not health center district known therefore included in borough totals.

RATE OF NEW CASE REGISTRATION, TUBERCULOSIS, BY HEALTH CENTER DISTRICTS, NEW YORK CITY, SINCE 1950

-			l	l	l	l	l	l	l	l	l			•	ľ			l	l	l		
		- .						(D)	Case	∞ I-	Registered	8	왕 :	الم	La l	tion	1		3			
HEALTH CENTER DISTRICT	1930 1	1951 1	932 1	955 1	954 1	955	1926	957 1	938	828 I	1940 1941	4	942 1945	ات	2 2 2	3 T C	5 T 6	<u>\$</u>	T A	ZAT I	961 1946 1947 1948 1950 1951 1953 1958 1958	HEALIR VENIER DISIRIUI
MANHATTAN:																						MANHATTAN:
Central Harlem	543	592	533	515	492	457	527	3 08	662		-								425			Central Harlem
	342	306	314	319	280	273	274	317	321									9 241				East Harlem
Kine Bev-Vorkville	195	182	187	175	159	175	140	134	152					_			5 107				_	Kips Bay-Yorkville
Togot Roat State	212	341	307	292	256	569	238	249	252				•	_	_				CA			Lower East Side
Lower West, Side	405	389	554	303	335	249	261	247	262					_						276		Lower West Side
	5	195	26	7.	169	159	166	180	166					_	_						_	Riverside
Mashington Heights	216	215	261	165	167	150	152	137	134	135	120	134 1	151	157 13	128 111	120	0 115		127		_	Washington Heights
Menhetten	51.5	514	291	270	274	258	240	262	256			<u> </u>	'	_	┞	l	l	5 205	5 219	196		Manhattan
PRONY.	*										1				⊢	l	l	⊢			-	BROWX:
Fondhem_Riverdele	328	פננ	40[đ	104	8	84	44	75	42	_		_						5 49	57	_	Fordham-Riverdale
Mountain in the contract	145	60	200	50	200	105	6	S. C.	8	56	85	48	75 1	104	91 84	4 88	97	7 115		-	_	Worrisania
	145	787	550	96	2001	בר כר		132	45	601	_			_					151			Wott Haven
Delves Bet	149	611	2	35	į	2 5	67	2	69	80 00	_											Pelham Bay
Ferman Day	בין בין	٤		201	2 2) K	4	8	22	5.	_		_									Tremont
TOTOTO TO) (c)	3 5	i a	1 6	מ מ מ	1 5 K	e u	42	. C	7.	_		_	_					45			Westchester
Ten central de la contral de l	18.5	200	3 5	2	200	g	8	8	a K	24	<u>.</u> .	╙	ا		_			46				Bronx
DECOUNT VAL	7	2	1			3		4	3	5		╄		l	╄	l		\vdash				BROOKEYN:
Brooklin:	כטנ	7	۶	ğ	0	α π	8	A.	22					_			0 47	_	4	57	_	Bay Ridge
Day Mage	3 Y C	178	3 6	3 6	- K	3 5	200	ׅ֝֟֝֟֝֝֟֝֜֝֟֝֝֟֝֟֝֟֝֟֝֟֝֟֜֟֝֟֟֝֟֝֟֜֟֝֟֝֟֝֟֝	. ר ר		_							200				Bedford
To The Court of th	2 5) H	3 5	3 5	3 8	3 6	3 6	100	1 6								1		N N		-	Brownsville
PLOMURATITE		3 5	100	1 6	8 8	1 6	5 6	3 8	3 8													Bashwick
Bushwick	70T	140	27 27	IZ	8	n (\$;	5 8	n :									2 4				Watership
Flatbush	Ę,	105	8.4	81	74	99	က	6 1	\$					_			•					Tracount
Fort Greene	214	215	176	183	160	141	184	146	<u>*</u>		_		_	_			_		2 147			Fort Greene
Gravesend	9 8	101	111	73	8	7	75	65	8													Gravesend
	243	228	195	181	185	149	171	169	134				_	_			1 145	0 151	155	22150	_	Red Hook-Gowsnus
Sunset Park	148	134	125	120	105	105	105	8	8				_	_							_	Sunset Park
	154	157	142	145	121	150	152	104	110	125	121	115 1	124 1	105	97 77	7 90	0 102	2 107	7 92	2 86		WmsbrgGreenpoint
Brooklyn	138	138	123	119	110	86	107	85	68					_								Brooklyn
OUEENS:															_							QUEENS:
Astoria-L.I.City	110	8	95	85	92	16	86	112	101	35	95				_							Astoria-L.I.City
Corons	157	132	131	127	101	87	8	4	66	81	83				_		64 8	81 75				Corona
	128	8	73	69	8	79	4	4	6	2	69						59 5	57 52			<u></u>	Flushing
	145	102	115	112	118	87	8	100	125	77	68		_		_						_	Jamaica East
Jamaica West	97	107	97	83	100	98.	87	84	117	72	86						96	58 75	55			Jamaica West
Magneth-Forest Hills.	97	8	88	75	65	67	72	49	69	22	74										_	Maspeth-Forest Hills
Oneens	116	103	97	16	8	83	87	87	101	82	83	1 88	101	8	73	30 e	65 6				2	queens
RICHMOND	911	124	114	103	108	74	98	68	7.1	79	42		_		_			56 5			2	RICHMOND
	116	124	114	105	108	75	96	89	71	80	43		_						8 49	9 62	~	Richmond
NEW YORK CITY	180	178	162	152	150	131	135	135	132	125	121	123	130 1	118 1	104	33	92 8	98 106	601 9	86		NEW YORK CITY

NEW CASES OF TUBERCULOSIS BY HEALTH CENTER DISTRICTS Annual Average During Five-Year Periods Since 1930

									300 1	200
,			L Ave		12000	Ca.se	Rate	per	100,0	
To-144 G40-	1930	1935	1940	1945	1950	1930	1935	17940	1945	エンフロ
Health Center				>			_	3011	امتما	10E/
DISTRICT	1934	19 <i>3</i> 9	1944	1949	11954	1934	1939	1944	1949	1974
MANHATTAN:						1		1		
Central Harlem		1220	915	799		487	585	433	371	
East Harlem	694	604	436	435		312	287	207	202	
Kips Bay-Yorkville	434	346	324	250		179	142	128	98	
Lower East Side	1029	756	706	697		322	251	239	230	
Lower West Side	1027	723	723	631		353	254	250	219	
Riverside	534	540	488	485		182	169	7 /1/1	138	
Washington Heights	514	417	402	371		190	141	130	119	
Manhattan	5475	4646	4005	3668		292	247	210	189	
BRONX:										
Ford'm-Riverdale	214	165	159	125		110	79	72	55	
Morrisania	358	294	265	297		122	98	88	100	
Mott Haven	327	262	260	271		141	114	112	118	
Pelham Bay	120	88	93	62		109	72	70	种材	
Tremont	318	260	227	155		18 4	85	73	50	
Westchester	165	140	143	114		95	74	68	48	
Bronx	1531	1213	1147	1024		118	89	82	71	
BROOKLYN:										
Bay Ridge	299	237	230	157		101	78	73	49	
Bedford	381	33 ¹ 4	391	365		132	113	129	118	
Brownsville	294	230	200	152		99	77	68	53	
Bushwick	298	226	211	171		124	9,4	88	73	
Flatbush	334	252	283	193		89	61	63	41	
Fort Greene	407	321	292	262		189	152	138	150	
Gravesend	218	160	165	94		97	64	62	34	
Red Hook-Gowanus	383	271	274	245		209	152	156	141	
Sunset Park	286	212	226	166		126	92	99	74	
WmsbrgGreenpoint	355	285	256	207		1 /h	120	112	94	
Brooklyn	3255	2533		2012		126	95	93	74	
QUEERIS:		<u>-</u>								
Astoria-L.I.City	208	234	230	170		96	99	92	66	
Corona	192		166	142		126	86	90	71	
Flushing	120	136		136		89	85	74	53	
Jamaica East	550			182		118	98	102	73	
Jamaica West	233	223		162		96	89	85	6ó	
Maspeth-Forest Hills	151			129		.79	70	78		
Queens			1178		_	100	88	87	<u>52</u> 62	
RI CHMOND:		,~	1-	<i></i>	•					
Richmond	182	129	138	106		113	76	78	57	
								_	_ •	
NEW YORK CITY	11569	9612	8997	7731		164	131	119	99	
										

[†]Borough and city totals include miscellaneous population.

SOURCE OF REPORT, NEW CASES OF TUBERCULOSIS*, NEW YORK CITY, SINCE 1943

Year	Hospi		C3 1:	nics	Priv		Sanat			her	Tot	tal
1041	in C	ity	V		physi	.cians	out-of	-town	Sow	rces	Cas	ses
	Num-	Per-	Num-	Per-	Num-	Per-	Num-	Per-	Num-	Per-	Num-	Per-
	ber	cent	ber	cent	ber	cent	ber	cent	ber	cent	ber	cent
1943	3726	42%	2632	29%	1659	19%	441	5%	492	5%	8950	100%
1944	3430	43%	2143	27%	1533	19%	414	5%	453	6%	7973	100%
1945	3100	44%	1701	19%	1343	19%	480	7%	438	6%	7062	100%
1946	3160	44%	1936	27%	1137	16%	529	8%	361	5%	7123	100%
1947	3547	47%	2253	29%	978	13%	471	6%	350	5%	7599	100%
1948	4090	49%	2456	29%	999	12%	463	6%	298	4%	8308	100%
1949	4210	49%	2755	32%	905	11%	440	5%	257	3%	8567	100%
1950	3910	51%	2485	32%	779	10%	362	5%	181	2%	7717	100%
1951	į	•						•				

*Tuberculosis all forms. Note: Included are cases identified through death certificates.

EIGHT-YEAR FERIOD 1943-1950, NEW CASES REPORTED

Source of report	New Cases	0 10	0,000	20,000	30,000
Hospitals in cityt Clinics Private physicians Sanatoria out-of-town . Other sources	18,361 9,333 3,000 2,830	6% 4%	15%	29%	46%

[†] Refers to in-patients only.

UNREPORTED CASES OF PULMONARY TUBERCULOSIS Till Time of Death, New York City, Since 1943

	Manha	attan	Bro	onx	Bro	oklyn	Que	ens	Rich	mond	N.Y.	City
Year	Num-	Per-	Num-	Per-	Num-	Per-	Num-	Per-	Num-	Per-	Num-	Per-
	ber	cent	ber	cent	ber	cent	ber	cent	ber	cent	ber	cent
1943	364	10.6%	119	10.4%	206	8.4%	84	7.4%	14	11.3%	787	9.5%
1944	366	11.8%	85	8.9%	243	11.7%	83	8.6%	15	10.6%	792	11.0%
1945	398	14.1%	64	8.0%	229	13.4%	73	9.3%	8	7.0%	772	12.4%
1946	387	13.4%	94	11.2%	226	13.1%	72	8.6%	11	11.4%	790	12.4%
1947	484	15.3%	114	12.6%	296	16.7%	82	9.2%	5	5.6%	981	14.4%
1948	523	15.0%	95	9.7%	278	14.5%	92	10.3%	9	9.2%	997	13.5%
1949	367	10.2%	66	7.1%	16 1	8.4%	68	8.2%	8	9.2%	670	9.1%
1950	300	9.4%	55	7.1%	138	8.1%	59	7.6%	6	5.8%	558	8.6%
1951	į		I					•		,		

*First identified through death certificates.

STAGE OF DISEASE, NEW CASES OF PULMONARY TUBERCULOSIS New York City. Since 1943

·		_	age of					<u> </u>	
	Mir	imal	Mod.		Far	Adv.	Un-		Total
Borough	Num-	Per-	Nun-	Per-	Num-	Per-	known	Dead	New
Year	ber	cent	ber	cent	ber	cent	†	#	Cases
MANHATTAN	_	á						_	
1943	586	30% 23%	707	36%	670	3 ³ 4%	1099	364	3426
19 ⁴ · · · · · · · · · · · · · · · · · · ·	447	23%	674	3 6%	771	41%	832	366	3090
1945	421	26%	567	34%	657	40%	770	398	2813
1946	hy a	23%	721	37%	768	40%	564	387	2888
1947	462	21%	801	36%	934	43%	486	figh	3167
1948	488	20%	916	39%	964	41%	586	523	3477
* * - *	559 481	22%	1010	40%	976	38% 41%	676 361	367 300	3588 3168
BRONX	461	19%	997	40%	1029	4179	201) 500	7100
1943	256	3 <i>6</i> %	280	40%	165	24%	321	119	1141
1944	184	30%	5,10	40%	178	30%	266	85	953
1945	134	28%	171	36%	172	36%	264	64	805
1946	156	32%	187	38%	148	30%	255	94	840
1947	174	29%	242	41%	178	30%	195	114	903
1948	196	31%	272	42%	175	27%	237	95	975
1949	204	30%	283	42%	192	28%	191	95 66	936
1950	132	23%	258	भगेष	194	33/	134	55	773
BROOKLYN		<u> </u>		, , ,	,	<u> </u>	-		
1943	512	36%	546	38%	375	26%	821	206	2460
1944	342	27%	497	39%	434	34%	564	243	2080
1945	290	28%	4ó6	39%	352	33%	436	229	1713
1946	315	28%	422	38%	379	33% 34%	382	226	1724
1947	281	24%	471	41%	406	35%	325	296	1779
1948	324	24%	496	38%	496	38%	323	278	1917
1949	319	22%	564	38%	592	40%	264	161	1900
<u>195</u> 0	279	20%	645	38% 47%	457	33%	181	138	1700
QUEENS				_		_			
1943	266	37%	272	38%	176	25%	334	8,1	1132
1944	182	28%	315	49%	149	23%	236	83	965
1945	143	27%	232	44%	147	29%	191	73	786
1946	166	28%	263	115%	159	27%	178	72	838
1947	205	31%	285	43%	178	26%	144	82	894
1948	175	27%	309	48%	161	25%	155	92 68	892
	205	31%	333	50% 1.74	131	19%	96 74		833 774
1950	170	27%	302	47%	169	26%	1,44	59	
1943	26	40%	20	z04.	20	30%	7474	14	124
1944	32	39%	20 36	30 % Шу %	20 14	3079 17 %	jtjt 	15	141
1945	19	26%	41	56%	13	18%	34	8	115
1946	12	19%	33	53%	17	28%	23	11	96
1947	19	27%	27	38%	25	35%	13		89
1948	17	26%	23	75%	26	39%	23	á	98
1949	20	31%	27	35% 42%	17	27%	15	5 9 8	87
1950	13	18%	40	56%	18	26%	26	6	103
NEW YORK CITY			19	70,5			,		
1943	1646	34%	1825	37%	1406	29\$	2619	787	8283
19th	1187	27%	1762	39%	1546	29% 34%	1942	792	7229
1945	1007	27%	1417	38%	1341	35%	1695	772	6232
1946	1097	26%	1626	39 %	1471	35%	1402	790	6386
1947	1141	24%	1826	39%	1721	37%	1163	981	6832
1948	1200	24%	2016	39% 40%	1822	3 <i>6%</i>	1324	997	7359
1949	1307	24%	2217	41%	1908	35%	1242	670	7344
1950	1075	21%	2242	43%	1867	<u> 36%</u>	1 776	558	6518
tStage of disease n	-1		ana ida	-4464-	thron	oh dea		ficate	OT TO-

†Stage of disease unknown. ‡Cases identified through death certificate or reported at time of death only.

NEW CASES OF TUBERCULOSIS*, WHITE, NEGRO, PUERTO RICAN AND YELLOW, BY HEALTH CENTER DISTRICT, NEW TORK CITY, SINCE 1843+

th Center	DISTRICT	MANHATTAN:		Harlem	Bay-York	r E. Side	r W. Side	ide	ב ב	tugodu ngos.	Manhatten	 	Ford 'm-Riverdale	Morrisania	Mott Haven	Pelham Bay	ont	Westchester	Bronx	BROOKLYN:	Bay Ridge	ord	Brownsville	Bushwick	Flatbush	Fort Greene	Gravesend	Red Hook-Gowanus	Sunset Park	rgreenpt.		QUEENS: Astoria_I.T.City	for the second		7007	ton Hoot		Organia of the control		Richmond	YORK CITY
Health	Id	MANH	Cent	East	Kipa	Lower	LOWer	Rive	H O O			BRONK	Ford	Morr	Mott	Pelh	Tremont	West	Br	BR00	Bay	Bedford	Brow	Bush	Flat	Fort	Grav	Red	Suns	Wmsbrg.	H	QUEENS:	Corona	-	Tomoton	Tempfor	Magn	a f	RICH	R1	NEW
	1950		0	R	4	39	47	18	4	7.5	114		~	-	Н	0	0	0	Ю		0	-	0	Н	0	-1	0	N	0	-	ထ	_	10	, (4 -	1 -	٦ ،	16	-	N	132
	1946 1947 1948 1949 1950		N	œ	ĸ	38	4	σ	K	2	à		0	-	5 Q	0	0	N	မ		0	H	0	٦	7	4	0	9	0	2	12	_	ı C) C	c) C	- د	10	ł	н	[2]
	1948		Ю	N	ר	36	မ္မ	10	4	4 5	977		0	æ	-	0	8	0	ι.		0	0	0	Н	R	Ŋ	0	4	0	7	13	_	- 1	10	4 -	1 () C) r	>	0	139
MO	1947		~	~	မ	38	88	5.	1	9	\$		0	-	0	0	0	0	1		-	0	K 3	0	0	-	0	ស	R	٥	12	K (, -	•	4 C	,	٦	2)	0	123
YELLOW	1948		н	4	-	31	41	7	٠ 4	۲	â		0	N	1	0	0	0	ęco		0	0	0	0	0	-	0	20	0	23	14	C	-	1 C	~	1 -	4 C) M	•	0	5
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	1943 1944 1945			183							1777 1				171							142					159			189							191		C)A	102	1 1 1 1
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Woolth Conter	DISTRICT	WANHATTAN:	Central Harlem	Fast Harlen	King Rev-Vorkvill	Lower East, Side	Tower West Side	N COL	.81de	Washington Hgts	Manhattan		Ford 'm-Riverdale	Morrisania	Mott Heven	Dolhem Bay	}	Iremont	TOO COTTON	CORTAN	Bew Ridge		Promissy11]	rick .	wsh.	Fort Greene	Bend	Red Hook-Gowanus	Sunset Park	MasbrgGreenpt.	Brooklyn	£3:	Astoria-L.1.61ty	al	. Jug	Jamaica East	Jamaica West	Maspeth-For-Hills	Queens .	Richmond	3404
[8	DIS	ANHA	entr	Past	Kina	1000	1010	10 M GT	Klverside	Washi	Man	BROWK:	Form	1000	++	Dolha			73.00	DROOKT VN.	Apr B	Redford	1	Bushwick	Flatbush	Port	Gravesend	Red H	Sunse	fasbr	Bro	OUEENS:	Astor	Corona	Lushing	Јаша1	Jamai	Masp∈	Queena	Ric	

*Tuberculosis all forms.
†Data by race and health center
district not available prior to
1943.

NEW CASES OF TUBERCULOSIS, OTHER RACES THAN WHITE, NEGRO AND YELLOW AND OF RACES NOT STATED, BY BOROUGHS, NEW YORK CITY, SINCE 1943

457 520 275 278 399 519 251 5697 3462 5221 3255 3396 4260 384 209 167 118 81 80 74 50 1241 1074 939 945 1016 1101 1111 944 509 148 100 80 91 76 78 2642 2249 1922 1905 1939 2129 2166 1948 88 102 69 54 45 52 41 1258 1027 857 915 942 976 917 859 8 10 2 4 5 5 3 152 161 123 103 104 109 93 119 1046 736 560 495 619 706 7123 7599 8507 7717	457 520 275 278 599 519 251 5697 5462 5221 5255 5596 4260 5847 209 167 118 81 80 74 50 1241 1074 939 945 1018 1104 1111 944 509 148 100 80 91 76 78 2642 2249 1922 1905 1939 2129 2166 1948 86 102 69 54 45 52 41 1236 1027 857 915 942 976 917 859 3 1 0 2 4 5 3 152 161 123 103 104 109 93 119 1046 738 560 495 619 706 423 8950 7973 7062 7123 7599 8306 8567 7717	15	1 2,	Other races 15 1946 1947	1947	1948 1	949 19	1950 1		8	일 <u> 그</u>	unknown 6 1947		1949	1950	1943	1944	1945	1943 1944 1945 1946 1947 1948 1949 1950	47 19	18 194	9 1950	Borough
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509 148 100 80 91 76 78 2642 2249 1922 1905 1939 2129 2166 1948 88 102 69 54 45 32 41 1238 1027 857 915 942 976 917 859 3 1 0 2 4 5 3 152 161 123 103 104 109 93 119 1046 778 560 495 619 706 423 8950 7973 7062 7123 7599 8306 8567 7717	355 309 148 100 80 91 76 78 2642 2249 1922 1905 1939 2129 2166 1948 199 86 102 69 54 45 32 41 1236 1027 857 915 942 976 917 859 15 3 1 0 2 4 5 3 152 161 123 104 109 93 119 1378 1046 738 560 495 619 706 423 8950 7973 7062 7123 7599 8306 8567 7717	0 0 1 1 1	1 1 1	1	_		0	-1		_		8	8 _	74	ည	1241	1074	939	945 10	18 11(Ħ.	944	Bronx
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1046 738 560 495 619 706 423 8950 7973 7062 7123 7599 8306 8567 7717	1378 1046 738 560 495 619 706 423 8950 7973 7062 7123 7599 8306 8567 7717	0 0 0 0	0 0 0	0 0	0		0	0	15	ю	1	0	4	ι	ю	132	191	123	103	104	- 1		
	d unknown.	12 8 12 13 12	12 13 12	13 12	12		14	8 1	378 10			49	619	206	423	8950	7973	7062	7123 78	93 83(98 826 ,	7717	

NEW CASES OF TUBERCULOSIS, ALL RACEST, BY AGE AND SET.

				NEW Y	ORK C	ITY,	SINC	E 19₩	+		ı	<u>. </u>	
Age	0-4	5-	10-	15-	20-	25-	30-	35-	45-	55 	65+	Un- known	All Ages
MALE			+4			,		. ,,,				<u> </u>	
1944	101	60	58	234	328	416	48 4	1024	973	766	421	58,1	5149
1945	111	67	56	189	233	30 9	335	731	925	715	415	236	4322
1946	144	69	41	162	315	316	286	788	960	6g¥	42 4	222	4411
1947	147	60	42	136	401	338	313	814	1018	806	ነትን	194	4710
1948	179	80	45	171	383	392	343	842	1154	8,11,1	578	168	5179
1949	154	105	52	167	396	450	390	909	1116	818	602	148	5307
1950	188	86	36	130	394	383	319	794	1034	788	578	124	4854
FEMALE				, , , , , , , , , , , , , , , , , , ,							-		i
1944	63	53	66	268	436	379	352	456	230	158	157	115	2733
1945	121	58	67	253	4 <u>1</u> 4	408	293	393	215	136	150	143	2651
1946	95	56	51	262	480	406	329	414	217	146	121	122	2699
1947	120	63	65	228	489	482	330	40g	246	158	165	135	2889
1948	166	70	57	253	546	493	369	466	260	153	178	116	3127
1949	191	100	79	223	512	494	378	571	254	159	191	108	3260
1950	165	84	80	224	459	412	338	464	256	155	162	64	2863
TOTAL BOTH S	EXES			ī			1			İ			ii.
1944	165	113	124	505	769	802	Sitit	1495	1208	936	585	427	7973
1945	234	125	123	hhh	655	720	635	1129	1152	862	570	413	7062
1946	240	125	92	425	796	722	615	1203	1181	831	545	3 ¹ 48	7123
1947	267	123	107	364	890	820	643	1222		964	606	32 9	7599
1948	345	150	102	1424	929	885		1308		997	756	284	8306
1949	345	205	131	390	908	944	768	1480	1370	977	793	256	8567
<u>1</u> 950	353	170	116	354	853	795	657	1.258	1290	943	740	188	7717

NOTE: Totals include new cases whose age or sex was not known. †White, Negro, Puerto Rican, Yellow, Other and unknown.

RATE* OF NEW CASE REGISTRATION, TUBERCULOSIS, BY AGE AND SEX NEW YORK CITY. SINCE 1944

					TA'F!M	IORK	CITI.	SINC	E 194	4		
Age	0-4	5-	10-	15-	20~	25-	30-	35	45_	55-	65+	All Ages
Male	ı	_	1	ı				7		ı		u
1944	38	24	22	86	111	130	152	161	180	219	190	138
1945	40	26	22	71	80	98	107	115	169	199	180	115
1946	50	27	16	63	109	100	92	125	175	185	177	117
1947	50 49	23	17	54	140	107	102	130	184	213	178	125
1948	57	30	<u>19</u>	71	135	124	113	135	207	217	225	136
1949	47	39	22	בל	141	143	130	146	199	205	227	139
1950	55	32	16	57	141	122	108	128	183	193	210	127
FEMALE			_							 	-	'
1944	25	22	26	95	130	103	99	68	排材	46	59	70
1945	45	23	27	92	124	112	83	58	40	38	59 54	67
1946	34	22	21	98	145	112	94	61	40	40	42	6g
1947	41	25	27	87	149	134	95	60	111	42	55	72
1948	55	27	25	99	168	138	107	68	46	40	5์8์	78
1949	61	38	35	90	158	139	110	83	44	40	60	81
1950	50	32	37	93	143	117	99	67	ήή	38	110	70
TOTAL BOTH S				<u>. ,,,</u>			<u> </u>			<u> </u>		<u>'</u>
1944		23	24	91	122	117	126	115	113	135	120	104
1945	43	25	514	82	105	106	95	86	106	122	115	92
1946	42	25	19	81	128	106	93	92	108	113	103	92
1947	45	24	22	71	145	121	98	93	114	128	111	98
1948	56	29	55	85	152	132	110	100	126	129	133	106
1949	54	<u>39</u>	29	81	150	141	119	113	121	123	135	109
<u>1</u> 950	53	32	26	76	142	120	103	96	112	116	122	98
*Per 100,000		latio				roup.				T TTO	<u> </u>	1 10
=	L-P				-6- 6	,_ o						

NEW CASES OF TUBERCULOSIS AMONG WHITE POPULATION, BY AGE AND SEX NEW YORK CITY, SINCE 1944

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							1					Un-	A11
Age	0-4	5-	10-	15-	20-	25-	30-	35-	45_	55-	65+	known	Ages
WHITE MALE				I								1	<u> </u>
1944	40	21	18	135	186	274	319	661	712	588	352	120	3426
1945	47	28	24	100	131	168	211	489	670	581	349	108	2906
1946	63	28	12	go	192	196	155	517	735	569	368	100	3015
1947	60	20	16	72	218	182	191	521	768	661	374	121	3204
1948	77	20	12	93	196	195	184	524	830	66 8	490	94	3383
1949	70	34	18	85	191	227	189	515	784	625	483	75	3296
1950	83	43	12	77	210	195	150	463	779	639	495	66	3212
WHITE FEMALE	_		•					_				··-·	
1944	30	22	16	131	218	213	208	276	149	124	131	60	1578
1945	58	16	26	122	202	216	162	254	147	101	123	62	1489
1946	43	17	15	139	238	227	188	242	144	110	107	52	1522
1947	47	20	23	118	239	250	182	261	169	122	136	71	1638
1948	6i	19	26	134	274	237	196	276	163	105	147	51	1689
1949	78	28	32	- <u>9</u> 4	224	240	192	336	153	114	147	52	1690
1950	65	27	26 l	97	213	169	164	243	162	112	128	28	1434
WHITE BOTH SEXE													<u>. </u>
1944	70	43	34	267	405	488	529	938	8641	712	483	182	5015
1945	105	र्मा	50	223	334	385	375	746	821	684	475	174	4416
1946	106	45	27	219	430	423	343	759	880	679	475	152	4538
1947	107	4Ó	39	190	457	432	373	782	937	783	510	192	4845
1948	138	39	38	227	470	432	380	800	993	773	637	145	5072
1949	148	65	50	179	415	467	381	851	937	739	630	127	4986
1950	148	70	38	174	423	364	314	706	941	751	623	94	4646
								1			- 4		

NEW CASES OF TUBERCULOSIS AMONG NEGRO POPULATION, BY AGE AND SEX NEW YORK CITY, SINCE 1944

		1	_		-	1			1		l .	T == 1	427
	, ,	_									r	Un-	All
Age	0-4	5-	10-	15-	20-	25-	30-	_ 35	45-	<u> 55-</u>	65+	known	1 TGB8
NEGRO MALE				_		1				ı _	_	- 1	Ι.
1944	41	20	28	70	89	81	91	177	109	56	26	26	814
1945	39	20	27	66	6 9	85	76	133	136	54	27	34	766
1946	148	31	23	62	79	73	85	171	132	56	30	27	817
1947	43	28	17	33	112	109	81	196	168	73	27	19	906
1948	57	34	22	48	112	126	94	193	197	98	45	18	10/1/1
1949	52	39	15	51	121	148	144	256	181	118	5 1	17	1193
1950	62	26	14	33	102	118	109	237	168	82	58	8	1017
NEGRO FEMALE							-				_		
1944	23	22	33	92	141	104	91	105	149	17	17	16	710
1945	34	26	28	96	141	128	83	103	46	22	zi	28	756
1946	34	26	26	84	179	138	97	119	50	20	4	19	796
1947	42	32	30	85	147	154	103	107	र्म्भ	17	19	9	789
1948	62	32	24	81	17i	169	114	133	65	34	18	12	915
1949	81	43	34	85	1.80	159	133	155	72	21	26	8	997
1950	63	34	3 1	79	155	163	125	142	64	32	22	7	917_
NEGRO BOTH SEXE	S												
1944	64	42	61	162	230	185	182	283	158	73	43	42	1525
1945	73	46	55	162	210	213	159	236	182	76	48	62	1522
1946	82	57	49	146	258	211	182	290	182	76	34	46	1613
1947	85	60	47	118	259	263	184	303	212	90	46	28	1695
1948	119	66	46	129	283	295	208	326	262	132	63	30	1959
1949	133	82	49	136	301	307	277	411	253	139	77	25	2190
1950	125	60	45	112	257	281	234	379	232	114	80	<u>15</u>	1934

NOTE: Totals include new cases whose age or sex was not known.

NEW CASES OF TUBERCULOSIS AMONG PUERTO RICAN POPULATION, BY AGE AND SEX NEW YORK CITY, SINCE 1944

Age	0-4	5-	10-	15-	20-	25-	_ 30~	35-	45-	55-	65+		All
PUERTO RICAN MA	LE	<u> </u>	10-	<u> </u>	1 20-	27-	<u>, 50~</u>	1 22-	1 40-	<u> 55-1</u>	-بذه	known	BEBB
1944	6	14	1	5	12	12	11	24	12	2	2	7	98
1945	15	6	Ō	ıí	16	26	11	16	13	Ĭ,	2	- 1 - 1	123
1946	14	4	4	12	18	16	10	22	īī	5	2 14	ĭ	124
1947	23	9	8	19	36	23	19	28	12	6	5	3	191
1948	26	1g	5	18	36	27	24	37	12	g	3	ź	216
1949	21	28	9	20	3 9	36	21	30	17	10	3	2	236
1950	38	_13	7	15	58	30	25	34	<u> </u>	12	ź	ī	2141
PUERTO RICAN FE									,		_		
1944	6	3	5	11	22	1.7	11	15	5	1	1	1	98
1945 1946	20	9	5	14	22	20	17	10	5 7	14	0	1 3	131
1946	9	10	5	22	28	18	25	30	7	9	2	2	167
1947	21	7	9	11	55	149	33	21	16	10	2	6	240
1948	27	14	4	29	57	51	41	30	16	11	6	3	289
1949	26	26	10	28	63	56	29	48	10	g	6	4	314
1950	33	20	17	36	63	56	31	48	13	_ 6_	4	. 3	330
PUERTO RICAN BOT		XES	. 1	_		ĺ			ı				ı
1944	12	7	6	16	34	29	22	39.	17	3 8	3	g	196
1945	35	15	5	25	38	46	28	26	20	8	2 6	6	254
1946	23	14	9	34	46	34	35	52	18	14	6	6	291
1947	भूर	16	17	30 47	91	72	52	119	28	16	7	9	431
1948	53	32	9		93	78	65	67	28	19	9 9 6	5	505
1949	47	54	19	48	102	92	50	78	27	18	9		550
<u>19</u> 50	71	<u>33</u>	24	<u>51</u>	121	86	56	82	22	18	<u>6</u>	14	574

NEW CASES OF TUBERCULOSIS AMONG YELLOW POPULATION, BY AGE AND SEX NEW YORK CITY, SINCE 1944

					_								
												Un-	All
Age	0-4	5-	10-	15-	20-	25-	30-	35-	45-	55-	65+	kmown	Ages
YELLOW MALE			·			#		- ##.	L		·		
1944	0	0	0	8	11	21	20	45	30	27	6	2	170
1945	0	0	0	3		9	13	25	24	19	16	1	112
1946	ı	1	0	3 2	ј 5	11	6	24	27	16	6	ų.	102
1947	0	1	0	1	4	9	10	23	24	26	11	2	111
1948	0	1	1	Ó	3	ź	11	28	37	52	12	2	125
1949	2	Q	1	0 3 1	3 4	2	g	16	ži	17	14	Ψį.	102
1950	1	0	0	í	7	13	10	22	22	24	9	3	112
YELLOW FEMALE)		l		•								
1944	0	0	2	1	0	2	0	1	2	0	0	ı	9
1945	ŏ	ō	2	3	ì	ī	ĭ	î	ō	ŏ	ŏ	ō	9
1946	ŏ	ō	ī	í	ī	2	l î	ō	1	Õ	ŏ	ŏ	7
1947	ō	ī	i	ī	1 5	4	ō	Ö	ō	Ö	ŏ	ő	12
1948	ľ	ī	ī		2	3	2	ž	Ö	ő	ŏ	ŏ	14
1949	ō	ō	Ô	2 3	2	2	3	5 5	2	ő	Ö	ő	19
1950	4	Ö	ì	2	2	6	ĺ	ì	3	Ö	ŏ	ŏ	20
YELLOW BOTH SEX						<u>~</u> _	<u> </u>					<u> </u>	20
1944	Ϊ́ο	0	2	9	11	23	20	46	70	27	6	7	1.70
1945	0	Ö	2	6	4	10	14	27	32 24	27	16	3 2	179 124
1946	l	1	1	3		13		5, 1	2 8	19 16	6	4	
3 △ lu →	٥	Ş	1	2	5		7		2)4	26			109
1947	l	2	2	2	9 5	13 11	10	23			11	2	123
1949	2	0	1	2 6) 11	4	13 11	30 10	37	22	12	2 4	139
1950	5	Ö	1					18	33	17	14		121
1930 · · · · · · · · · · · · · · · · · · ·	<u> </u>	<u> </u>	Т	3	9	18	11	23	25	24	_ 9	3	132

NOTE: Totals include new cases whose age or sex was not known.

TUBERCULOSIS MORBIDITY. NEW YORK CITY

CLASSIFIED REGISTER

1908-1950

Year	Cases in Register Jan. 1	New Cases during Year #	Old Cases Re- sumed	Total Cases during Year ‡	Cases Removed during Year 7	Remaining in Register Dec. 31
Pulmonary*	oem· T	IGHL #	smear	1081. +	1981 1	Dec. 31
1908+	33,421	23.325	i ol	56,746	27.010	29,736
1909		25,667		56,106	19,454	
_	29.736		703	-	II	36,652
1910	36,652	32,065	1.543	70,260	42,783	27,477
1911	27.477	24,513	5,248	57,238	24.603	32.635
1912	32,635	22,752	3,315	58,702	27,490	31,212
1913	31,212	22,671	3,435	57,318	27.879	29,439
1914	29,439	21,604	13,000	54.043	21,649	32,394
1915	32,394	22,141	12.500	57.035	18,615	38,420
1916	38,420	19,297	12,000	59,717	23.659	36.058
1917	36.058	17,494	11,500	55,052	21.175	33.877
1918	33.877	14,439	897	49,213	17,165	32.048
1919	32,048	14,570	1,429	48.047	18,011	30.036
		14,510		,		0,000
1920	30,036	14.035	1,477	45.548	17,629	27,919
1921	27.919	12,966	922	41.807	14.987	26.820
1922	26,820	13,329	1,088	41,237	13.696	27.541
1923	27.541	11,336	672	39.549	11,730	27,819
1924	27.819	11.934	706	40.459	11.988	28,471
1925	28,471	10,955	612	40,038	12,866	27,172
1926	27.172	10,498	612	38,282	11,876	26.406
1927	26,406	10,873	406	37.685	10,500	27,185
1928	27,185	11.614			11,088	28,220
1929	28.220	11,938	509	39,308 40,740	15,902	24.838
			582	'	-	_
1930	24.838	11,821	1,128	37.787	18,921	††18.866
1931	18.866	11,794	961	31,621	12.463	19,158
1932	19,158	10,589	1,104	30,851	13,206	17,645
1933	17.645	9.991	1.345	28,981	13.038	15,943
1934	15,943	9.990	1,448	27,381	11,460	15,921
1935	15,921	8,796	1,830	26,547	10,026	16,521
1936	16,521	8.987	2,307	27.815	10.722	17,093
1937	17.093	9,128	2.216	28,437	9,362	19,075
1938	19.075	8.748	1.976	29.799	10.041	19.758
1939	19,758	8.277	2,084	30.119	30,119	19.485
				-	-	-
1940	19.485	8.212	2,152	29,849	10,003	19,846
1941	19.846	8,459	2,012	30.317	9,505	20,812
1942	20,812	9.145	1,660	31,617	9,914	21,703
1943	21.703	8,283	1.752	31.738	12,504	x19,234
1944	19,429	7,229	1,997	28 655	10,509	18,146
1945	18.146	6,232	1.608	25,986	8,696	17,290
Tuberculosis all for				l	ا 	
1946	17,614	7,123	1.441	26,178	8,727	17,451
1947	17,451	7.599	1.560	26,610	8.821	17,789
1948	17.789	8.306	1.874	27.969	9,449	18,520
1949	18,520	8,567	2,081	29.168	9,092	20.076
1950	20,076	7.717	2,224	30.017	<u> 10.958 </u>	19.059

^{*}For "phthisis" or pulmonary cases, 1908-1945, thereafter tuberculosis all forms. +Complete data not available prior to 1908. *Reports by physicians, "sputum", clinics, institutions, or from death certificates. †Figures not available from 1914 to 1917; estimated on basis of known range. ‡Exclusive of duplicating transfers between districts. *Deaths, removals from city, "not found" held temporarily, recovered. †In 1930 a change of procedure was inaugurated whereby the register of "at home" and "not found" cases was reduced. x195 transfers included.

TOTAL REGISTER OF TUBERCULOSIS CASES BY BOROUGHS, NEW YORK CITY, SINCE 1934

TOTAL REGISTER	OF IOPERCOI	COID CHOSEN		 	-	
	Cases	New	Old	Total	Cases	Remaining
	in	Cases	Cases	Cases	Removed	in
Year	Register	duri ng	Re-	during	during	Register
	Jan.1	Year	simed	Year	Year	Dec. 31
MANHATTAN (Pulmo		1 .	[ıl ı		ا ا
1934	5.903	4,713	689	11.305	5.339	5,966
1935	5.966	4,095	881	10.942	4,598	6,344
1936	6.344	4,142	1,150	11.636	5.008	6,628
1937	6,628	4.571	1,078	12.277	4,456	7.821
1938	7,821	4,335	9 7 2	13,128	4,884	8.5 /1/1
1939	8,244	3,901	1,022	13.167	5.144	8,023
1940	8,023	3,825	1,061	12.909	4.709	8,200
1941	8,200	3,859	941	13.000	4.495	8.505
1942	8,505	4,000	799	13,304	4,593	8,711
1943	8,711	3,426	725	12.862	5,089	7,773†
1944	7,633	3,090	923	11,646	4,887	6,759
1945	6,759	2,813	689	10,261	3,695	6.566
MANHATTAN (Cases	, all forms)			•1	<u> </u>	1 -
1946	6.721	3,255	589	10.565	3,676	6.889
1947	6.889	3.596	707	11,192	3.999	7.193
1948	7.193	3.988	790	11,971	4.359	7.612
1949	7,612	4,280	938	12,830	4,312	8.518
1950	8,518	3,847	1,052	13,417	4,883	8,534
1951				• .		
1952						
1953						
1954						
HRONX (Pulmonary	cases)					
1934	2.716	1.324	i 267	4,307	1,645	2,662
1935	2.662	1,229	300	4.191	1,318	2,873
1936	2.873	1,123	368	4.364	1.564	2,800
1937	2.800	1,170	398	4,368	1,167	3,201
1938	3,201	1,045	296	4,542	1,431	3,111
1939	3.111	1,073	312	4,496	1,429	3,067
1940	3.067	979	315	4,361	1.305	3,056
1941	3.056	1,082	304	7,1175	1.276	3.166
1942	3.166	1,124	231	4,521	1,209	3,312
1943	3.312	1,141	284	4,737	1,933	2.8041
1944	2.938	953	286	4,177	1,271	2,906
1945	2,906	805	245	3,956	1,219	2,737
BRONX (Cases, al				21224		
1946	2.786	945	211	3.942	1.239	2.703
1947	2,703	1,018	199	3,920	1,126	2,794
1948	2.794	1.104	268	4.166	1,185	2,981
1949	2.981	1,111	278	4.370	1,309	3,061
1950	3.061	944	279	4,284	1,638	2.646
1951	7.002	'	-17	'''		
1952						
1953						
1954						
<u></u>				_U	<u> 11 — . — — — — — — — — — — — — — — — — </u>	

†See note on page 26.

TOTAL REGISTER OF TUBERCULOSIS CASES BY BOROUGHS. NEW YORK CITY, SINCE 1934

TOTAL REGISTER	Cases	New	Old	Total	Cases	Remaining
	in	Cases	Cases	Cases	Removed	in
Year	Register	during	Re-	during		Register
1001	Jan.1	Year		Year	during	_
BROOKLYN (Pulmo		Iear	somed	1 ear	Year	Dec. 31
	5.057	0.711	344	Ø 110	7 3 70	4,973
		2,711	474	8,112	3.139	
1935	4.973	2,408		7,855	2.924	4.931
1936	4,931	2,623	567	8.121	2,947	5.174
1937	5,174	2,300	460	7.934	2,611	5.323
1938	5.323	2,168	501	7,992	2.556	5.436
1939	5,436	2.222	542	8,200	2.735	5,465
1940	5,465	2,284	535	8,284	2.743	5,541
1941	5,541	2,301	509	8,351	2,478	5.873
1942	5.873	2,603	403	8,879	2,768	6,111
1943	6,111	2,460	487	9.058	3.640	5.4181
1944	5.540	2,080	517	8,137	2.849	5.288
1945	5.288	1.713	415	7,416	2,449	4,967
BROOKLYN (Cases		:				_
1946	5.060	1,905	38 3	7.348	_{II} 2,436	4,912
1947	4,912	1,939	1420	7,271	2,493	4.778
1948	4,778	2,129	508	7.415	2,543	4,872
1949	4,872	2,166	569	7.607	2,296	5.311
1950	5,311	1,94g	559	7,818	2,820	4,998
1951	J , J ==		""			
1952						
1953						
1954		ļ				
QUEENS (Pulmone	ry cases)	•		<u>', , , </u>	··	<u>'</u>
1934	1.992	1,06g	13 0	3.190	1,164	2,026
1935	2,026	942	154	3,122	1,031	2.091
1936	2,091	958	199	3.248	1,030	2,218
1937	2,218	978	243	3.439	1.007	2,432
1938	2,432	1,086	181	3.699	1,036	2.663
1939	2.663	954	180	3.797	1.177	2,620
1940	2,620	997	207	3.824	1,095	2.729
1941	2.729	1,105		4.070	1.100	2.970
1942		_	236	4,464	11	
1943	2,970 3,241	1,292	202	4.602	1,223	3,241 2,947t
1944		1,132	229 241	4.845		
1944	3,036	965			1,367	2,875
	2.875	786	236	3.897	1,162	2.735
QUEENS (Cases,		0.15	607	+ avc	1 3 657	0 670
	2,757	915	223	3.895	1,257	2,638
1947	2.638	942	199	3.779	1,079	2,700
1948	2.700	976	265	3.941	1,174	2,767
1949	2,767	917	255	3.939	1,032	2.907
1950	2,907	859	304	4.070	1.475	2,595
1951						
1952						
1953						
1954]			Į.	<u> </u>
†See note on pa	ge 26.					

TOTAL REGISTER OF TUBERCULOSIS CASES BY BOROUGHS, NEW YORK CITY, SINCE 1934

TOTAL	REGISTER O	F TUBERCULO	SIS CASES	BY BOROU	GHS, NEW Y	ORK CITY, S	INCE 1934
		Cases	New	Old	Total	Cases	Remaining
		in	Cases	Cases	Cases	Removed	in
Year		Register	during	Re-	during	during	Register
		Jan.1	Year	sumed	Year	Year	Dec. 31
RICHMO	ND (Pulmona:	ry cases)		<u>.</u>	·		
1934 .	• • • • • • • • • • •	275	174	18	467	173	294
1935 .		294	122	21	437	155	282
1936 .		282	141	23	446	173	273
1937 .		273	109	37	419	121	298
1938 .		298	114	26	438	134	304
1939 .		304	127	58	459	149	310
		310	127	34	471	151	320
1941 .		320	112	22	454	156	298
1942 .		298	126	25	भर्मन	121	328
1943 .		328	124	27	479	187	292 1
1944 .		285	141	30	453	135	318
1945 .		318	115	23	456	171	285
RICHMO	ND (Cases,						<u> </u>
		290	103	35	428	119	309
1947 .		30 9	104	35	71718	124	324
1948 .		324	109	35 43	476	188	288
1949 .		288	93	41	422	143	279
		2 7 9	119	30	428	142	286
		,,,		J -		-:-	
1952 .							
1953 .							
1954 .							
NEW YO	RK CITY (Pu:	lmonary cas	es)				
		15,943	9.990	1,448	27,381	11,460	15.921
		15,921	8,796	1,830	26,547	10.026	16,521
1936 .	· · · · · · · · · · · ·	16,521	8.987	2,307	27,815	10,722	17.093
1937 .		17.093	9,128	2.216	28,437	9,362	19,075
1938 .		19.075	8,748	1.976	29,799	10,041	19.758
1939 .		19,758	8.277	2,084	30.119	10,634	19.485
		19,485	8,212	2,152	29.849	10,003	19.846
1941 .		19,846	8,459	2.012	30,317	9,505	20,812
1942 .		20,812	9.145	1,660	31,617	9.914	21.703
		21.703	8,283	1,752	31.738	12,504	19 .234+
19 44 .		19,429	7,229	1,997	28,655	10,509	18.146
		18,146	6,232	1.608	25,986	8,696	17,290
	RK CITY (Car	ses, all fo	rms)				
		17,614	7.123	1,441	26,178	8,727	17,451
	• • • • • • • • • • •	17,451	7.599	1,560	26,610	8,821	17.789
		17.789	8,306	1,874	27,969	9,449	18,520
1949 .		18,520	8.567	2.081	29,168	9.092	20,076
1950 .		20,076	7,717	2,224	30.017	10,958	19.059
		-	• • •		•		
	· · · · · · · · · · · · · · ·						
1953 .							
					j		
# C11+ ** ·	total lacks	705 (14)	ngog whiel		+ 10070304	2 4. 22.54	Hamilton Af

[†]City total lacks 195 (1%) cases which were not included due to difficulty of classification.

CLASSIFICATION OF PULMONARY TUBERCULOSIS* REGISTER AT THE END OF EACH YEAR NEW YORK CITY. SINCE 1908

Under Care Onder Care Of Care Care Of Care Care Care Of Institutions With- Care		NI	W YORK CITY	, SINCE 1908	-			
Care		Under Care	Under	In	Out-of-Town	"At	Not Found	Remaining
Private Physicians Clinicst in City Sans Cases Register Dec. 31						Home ⁿ	1	in
Physicians Clinicst in City toris tered Dec. 31	Year	Private				Cases	Regis-	Register.
1908 6.093								
1909	**	<u> </u>		22 0103	707 20		10000	
1909	1908	6.093	ր որջ	z lioz	E ZJI	6 Juna	8.771	29.736
1910					800			
1911				1		_		-
1912				3.648	2,445	6.082		
1913 3,362 5,503 4,873 2,377 7,314 6,016 29,439 1914 3,386 5,614 5,671 2,480 8,074 7,169 32,394 1915 3,607 5,822 6,268 2,765 8,619 11,339 38,420 1916 3,923 4,602 6,651 2,888 9,668 8,326 36,058 1917 3,816 4,282 5,272 2,784 9,251 8,472 33,877 1918 3,107 4,839 4,775 2,766 7,082 9,479 32,048 1920 3,193 3,485 3,394 3,035 9,449 5,363 27,919 1921 2,600 3,427 3,235 3,179 9,495 4,884 26,820 1922 2,840 3,815 3,041 3,177 8,540 6,324 26,820 1923 3,030 3,408 3,559 3,232 8,662 5,288 27,541 1924 3,436 3,097 3,753 3,083 8,988 6,114 28,471 1925 2,980 2,961 3,715 3,078 8,692 5,746 27,172 1926 3,496 2,635 3,303 2,954 8,428 5,630 1929 3,172 2,136 3,483 3,099 7,714 5,224 1929 3,172 2,136 3,483 3,099 7,714 5,224 24,838 1930 3,252 2,344 4,513 2,947 3,631 835 17,645 1933 3,091 3,007 4,520 2,670 2,585 70 1935 3,465 3,893 4,612 2,335 2,225 14 17,093 1936 3,712 4,122 4,655 2,365 2,225 14 17,093 1937 4,163 5,676 4,662 2,431 2,143 1938 4,540 6,156 4,961 2,331 1,770 1948 4,975 6,133 5,255 2,329 1,154 19,075 1936 4,186 4,994 2,433 1,298 19,075 1945 4,975 6,133 5,255 2,470 1,552 21,703 1945 4,194 4,118 4,165 2,449 4,77 1,262 16,915 1946 4,144 4,118 4,165 2,449 4,77 1,262 16,915 1946 4,144 4,118 4,465 2,449 4,77 1,262 16,915 1947 3,976 4,206 4,940 2,445 5,56 4,931 1,716 1948 3,631 4,579 5,393 2,511 472 4,177 19,061			5,679	3.300	2,001	7,199	10,865	32,635
1914 3,386 5,614 5,671 2,480 8,074 7,169 32,394 1915 3,607 5,822 6,268 2,765 8,619 11,339 38,420 1916 3,923 4,602 6,651 2,888 9,668 8,326 36,058 1917 3,816 4,282 5,272 2,784 9,251 8,472 33,877 1918 3,107 4,839 4,775 2,766 7,082 9,479 32,048 1919 3,697 3,535 4,556 2,774 8,540 6,934 30,036 1920 3,193 3,485 3,394 3,535 3,179 9,495 4,884 26,820 1922 2,840 3,815 3,041 3,177 8,540 6,128 27,541 1923 3,030 3,408 3,559 3,232 8,662 5,928 27,541 1924 3,436 3,097 3,753 3,083 8,988 6,114 28,471 1925 2,980 2,961 3,715 3,078 8,692 5,746 27,172 1926 3,495 2,2413 3,562 3,040 8,789 5,946 26,406 1927 3,435 2,413 3,562 3,090 8,789 5,946 27,185 1928 3,172 2,136 3,483 3,099 7,714 5,234 24,838 1931 2,908 2,635 3,962 3,219 5,397 1,037 19,158 1933 3,091 3,007 4,520 2,670 2,585 70 15,943 1933 3,385 3,281 4,462 2,335 2,491 3,152 2,987 3,338 3,281 4,540 2,355 2,470 31 15,943 1933 3,091 3,007 4,520 2,670 2,585 70 15,943 1938 4,540 6,156 4,961 2,335 2,247 1,298 1,298 4,540 5,662 2,431 2,136 6,162 2,333 1,29 5,040 1,592 1,159 1,159 1,159 1,158 1,154 5,155 6,214 5,565 2,365 2,225 14 17,093 19,975 1,938 4,540 6,156 4,961 2,331 1,770 1,159 1,158 1,194 5,151 6,214 5,162 4,662 2,431 2,143 1.298 1.194 5,165 6,496 4,940 2,445 5,566 +933 17,166 1,1948 3,631 4,570 5,539 6,067 2,511 4,12 1,177 19,061		3.035	6,253	4,716	2,580	6,459	g,169	31.212
1914 3.386 5.614 5.671 2.480 8.074 7.169 32.394 1915 3.607 5.822 6.268 2.765 8.619 11.339 38.420 6.651 2.885 9.668 8.326 36.058 1917 3.816 4.282 5.272 2.784 9.251 8.472 33.877 1918 3.107 4.839 4.775 2.766 7.082 9.479 32.048 1919 3.697 3.535 4.556 2.774 8.540 6.934 30.036 1920 3.193 3.485 3.394 3.035 9.449 5.363 27.919 1921 2.600 3.427 3.235 3.179 9.495 4.884 26.820 1922 2.840 3.815 3.041 3.177 8.540 6.128 27.541 1923 3.030 3.408 3.559 3.222 8.662 5.928 27.819 1924 3.436 3.097 3.753 3.083 8.988 6.114 28.471 1925 2.980 2.961 3.715 3.078 8.692 5.746 27.172 1926 3.456 2.635 3.303 2.954 8.428 5.630 26.406 1927 3.435 2.413 3.562 3.596 3.040 8.789 5.946 27.185 1928 3.965 2.269 3.996 3.079 8.639 6.672 26.220 1929 3.172 2.136 3.483 3.099 7.714 5.234 24.838 1931 2.908 2.635 3.962 3.219 5.397 1.037 19.158 1932 2.885 2.834 4.513 2.947 3.631 8.355 17.645 1933 3.091 3.007 4.520 2.670 2.585 70 15.943 19.37 19.35 19.37 4.163 5.676 4.662 2.431 2.143 19.075 19.37 19.455 19.37 4.163 5.676 4.662 2.343 1.298 2.225 14 17.093 19.375 19.3			5,503	4,873	2.377	7,314	6,010	29,439
1915	1914	3,386	5,614	5,671	2,480		7.169	32,394
1916	1915	3.607	5.822	6.268	2.765	g. 610	11.330	38.Jt20
1917								
1918								
1919					2 766			
1920								
1921					21114	-		0,000
1922				3.394	3.035			
1923 3.030 3.408 3.559 3.232 8.662 5.928 27.819 1924 3.436 3.097 3.753 3.083 8.988 6.114 28.471 1925 2.980 2.961 3.715 3.078 8.692 5.746 27.172 1926 3.456 2.635 3.303 2.954 8.428 5.630 26.406 1927 3.435 2.413 3.562 3.040 8.789 5.946 27.185 1928 3.965 2.269 3.596 3.079 8.639 6.672 28.220 1929 3.172 2.136 3.483 3.099 7.714 5.234 24.838 1930 3.252 2.344 3.497 3.021 \$5.182 \$1.570 \$18.866 1931 2.908 2.635 3.962 3.219 5.397 1.037 19.158 1932 2.885 2.834 4.513 2.947 3.631 835 17.645 1933 3.091 3.007 4.520 2.670 2.585 70 15.943 1934 3.338 3.281 4.446 2.355 2.470 31 15.921 1935 3.465 3.893 4.612 2.335 2.470 31 15.921 1936 3.712 4.122 4.655 2.365 2.225 14 17.093 1937 4.163 5.676 4.662 2.431 2.143 19.075 1938 4.540 6.156 4.961 2.331 1.770 19.758 1939 4.718 6.210 4.916 2.343 1.298 19.485 1940 4.975 6.133 5.265 2.439 1.531 20.812 1942 5.655 6.419 5.627 2.470 1.532 20.812 1945 5.040 5.698 4.753 2.379 1.559 \$17.03 1943 5.040 5.698 4.753 2.379 1.559 \$17.16 1945 1.946 4.941 4.501 2.374 2.98 4.1.26 4.940 4.945 5.656 4.966 4.940 2.445 5.56 4.991 4.906 4.946 4.941 4.501 2.374 5.56 4.965 2.449 4.77 4.262 16.915 1.947 3.976 4.206 4.940 2.445 5.56 4.961 2.379 3.572 5.532 6.097 2.511 4.72 4.1.177 19.061 1.946 1.947 3.576 5.532 6.097 2.511 4.72 4.1.177 19.061			3,427	3,235	3,179	9,495	4,884	
1924			3,815	3,041	3,177	8,540	6,128	27,541
1924		3,030	3,408	3,559		g,662	5,928	27.819
1926	1924	3.436	3.097		3,083	8,988	6,114	28,471
1926	1025	2 080	2 067	7 715	7 079	g 600	E 716	27 172
1927 3,435 2,413 3,562 3,040 8,789 5,946 27,185 1928 3,965 2,269 3,596 3,079 8,639 6,672 28,220 1929 3,172 2,136 3,483 3,099 7,714 5,234 24,838 1930 3,252 2,344 3,497 3,021 \$5,182 \$1,570 \$18,866 1931 2,908 2,635 3,962 3,219 5,397 1,037 19,158 1932 2,885 2,834 4,513 2,947 3,631 835 17,645 1933 3,091 3,007 4,520 2,670 2,585 70 15,943 1934 3,338 3,281 4,446 2,355 2,470 31 15,921 1935 3,465 3,893 4,612 2,335 2,191 25 16,521 1936 3,712 4,122 4,655 2,365 2,225 14 17,093 1937 4,163 5,676 4,662 2,431 2,143 19,075				_				
1928 3,965 2,269 3,596 3,079 8,639 6,672 28,220 1929 3,172 2,136 3,483 3,099 7,714 5,234 24,838 1930 3,252 2,344 3,497 3,021 #5,182 #1,570 #18,866 1931 2,908 2,635 3,962 3,219 5,397 1,037 19,158 1932 2,885 2,834 4,513 2,947 3,631 835 17,645 1933 3,091 3,007 4,520 2,670 2,585 70 15,943 1934 3,338 3,281 4,446 2,335 2,470 31 15,921 1935 3,465 3,893 4,612 2,335 2,191 25 16,521 1935 3,465 3,893 4,612 2,335 2,225 14 17,093 1937 4,163 5,676 4,662 2,343 2,143 19,075 1938 4,540 6,156 4,961 2,343 1,298 19,485			2,033		2,994			1
1929 3.172 2.136 3.483 3.099 7.714 5.234 24.838 1930 3.252 2.344 3.497 3.021 #5.182 #1.570 #18.866 1931 2.908 2.635 3.962 3.219 5.397 1.037 19.158 1932 2.885 2.834 4.513 2.947 3.631 835 17.645 1933 3.091 3.007 4.520 2.670 2.585 70 15.943 1934 3.338 3.281 4.446 2.355 2.470 31 15.921 1935 3.465 3.893 4.612 2.335 2.191 25 16.521 1936 3.712 4.122 4.655 2.365 2.225 14 17.093 1937 4.163 5.676 4.662 2.431 2.143 19.075 1938 4.540 6.156 4.961 2.331 1.770 19.758 1939 4.718 6.210 4.916 2.343 1.298 19.485 1940 4.975 6.133 5.255 2.329 1.154 19.846 1941 5.151 6.234 5.763 2.433 1.231 20.812 1942 5.655 6.419 5.627 2.470 1.532 21.703 1943 5.040 5.698 4.753 2.379 1.559 #19.429 1944 4.846 4.941 4.501 2.374 298 +1.186 18.146 1945 4.846 4.941 4.501 2.374 298 +1.186 18.146 1945 4.456 4.576 4.420 2.379 234 +1.225 17.290 1946 4.144 4.118 4.465 2.449 477 +1.262 16.915 1947 3.976 4.206 4.940 2.445 556 + 993 17.116 1948 3.631 4.579 5.393 2.475 558 +1.082 17.718 1949 3.572 5.232 6.097 2.511 472 +1.177 19.061		7,433						
1930								
1931		_	_				_	1
1932 2.885 2.834 4.513 2.947 3.631 835 17.645 1933 3.091 3.007 4.520 2.670 2.585 70 15.943 1934 3.338 3.281 4.446 2.355 2.470 31 15.921 1935 3.465 3.893 4.612 2.335 2.191 25 16.521 1936 3.712 4.122 4.655 2.365 2.225 14 17.093 1937 4.163 5.676 4.662 2.431 2.143 19.075 1938 4.540 6.156 4.961 2.331 1.770 19.758 1939 4.718 6.210 4.916 2.343 1.298 19.485 1940 4.975 6.133 5.255 2.329 1.154 19.846 1941 5.151 6.234 5.763 2.433 1.231 20.812 1942 5.655 6.419 5.627 2.470 1.532 21.703					-	_		
1933 3.091 3.007 4.520 2.670 2.585 70 15,943 1934 3.338 3.281 4.446 2.355 2.470 31 15,921 1935 3.465 3.893 4.612 2.335 2.191 25 16,521 1936 3.712 4.122 4.655 2.365 2.225 14 17.093 1937 4.163 5.676 4.662 2.431 2.143 19.075 1938 4.540 6.156 4.961 2.331 1.770 19.758 1939 4.718 6.210 4.916 2.343 1.298 19.758 1940 4.975 6.133 5.255 2.329 1.154 19.846 1941 5.151 6.234 5.763 2.433 1.231 20.812 1942 5.655 6.419 5.627 2.470 1.532 21.703 1943 5.040 5.698 4.753 2.379 1.559 #1.86 18.1								
1934 3,338 3,281 4,446 2,355 2,470 31 15,921 1935 3,465 3,893 4,612 2,335 2,191 25 16,521 1936 3,712 4,122 4,655 2,365 2,225 14 17,093 1937 4,163 5,676 4,662 2,431 2,143 19,075 1938 4,540 6,156 4,961 2,331 1,770 19,758 1939 4,718 6,210 4,916 2,343 1,298 19,485 1940 4,975 6,133 5,255 2,329 1,154 19,846 1941 5,151 6,234 5,763 2,433 1,231 20,812 1942 5,655 6,419 5,627 2,470 1,532 21,703 1943 5,040 5,698 4,753 2,379 1,559 #19,429 1944 4,846 4,941 4,501 2,374 298 +1,186 18,146 1945 4,456 4,941 4,501 2,379 234 +1,225 17,290 1946 4,144 4,118 4,465 2,449 477 +1,262 16,915 1947 3,976 4,206 4,940 2,445 556 + 993 17,116 1948 3,631 4,579 5,393 2,475 558 +1,082 17,718 1949 3,572 5,232 6,097 2,511 472 +1,177 19,061	1932							
1935 3.465 3.893 4.612 2.335 2.191 25 16.521 1936 3.712 4.122 4.655 2.365 2.225 14 17.093 1937 4.163 5.676 4.662 2.431 2.143 19.075 1938 4.540 6.156 4.961 2.331 1.770 19.758 1939 4.718 6.210 4.916 2.343 1.298 19.485 1940 4.975 6.133 5.255 2.329 1.154 19.846 1941 5.151 6.234 5.763 2.433 1.231 20.812 1942 5.655 6.419 5.627 2.470 1.532 21.703 1943 5.040 5.698 4.753 2.379 1.559 #19.429 1944 4.846 4.941 4.501 2.374 298 +1.186 18.146 1945 4.456 4.576 4.420 2.379 234 +1.225 17.290 <td>1933</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	1933							
1936	1934	3,338	3,281	4,446	2,355	2,470	31	15,921
1936	1935	3.465	3,893	4,612	2,335	2,191	25	16,521
1937 4.163 5.676 4.662 2.431 2.143 19.075 1938 4.540 6.156 4.961 2.331 1.770 19.758 1939 4.718 6.210 4.916 2.343 1.298 19.485 1940 4.975 6.133 5.255 2.329 1.154 19.846 1941 5.151 6.234 5.763 2.433 1.231 20.812 1942 5.655 6.419 5.627 2.470 1.532 21.703 1943 5.040 5.698 4.753 2.379 1.559 #19.429 1944 4.846 4.941 4.501 2.374 298 +1.186 18.146 1945 4.456 4.576 4.420 2.379 234 +1.225 17.290 1946 4.144 4.118 4.465 2.449 477 +1.262 16.915 1947 3.631 4.579 5.393 2.475 558 +1.082 17.718	1936		4,122	4,655	2,365	2,225	14	
1938 4,540 6.156 4,961 2,331 1,770 19,758 1939 4,718 6,210 4,916 2,343 1,298 19,485 1940 4,975 6,133 5,255 2,329 1,154 19,846 1941 5,151 6,234 5,763 2,433 1,231 20,812 1942 5,655 6,419 5,627 2,470 1,532 21,703 1943 5,040 5,698 4,753 2,379 1,559 #19,429 1944 4,846 4,941 4,501 2,374 298 +1,186 18,146 1945 4,456 4,941 4,420 2,379 234 +1,225 17,290 1946 4,144 4,118 4,465 2,449 477 +1,262 16,915 1947 3,976 4,206 4,940 2,445 556 + 993 17,116 1948 3,631 4,579 5,393 2,475 558 +1,082 17,718	1937	4.163	5,676	4,662				
1939		4,540						
1940 4,975 6.133 5,255 2,329 1,154 19,846 1941 5,151 6,234 5,763 2,433 1,231 20,812 1942 5,655 6,419 5,627 2,470 1,532 21,703 1943 5,040 5,698 4,753 2,379 1,559 #19,429 1944 4,846 4,941 4,501 2,374 298 +1,186 18,146 1945 4,456 4,941 4,501 2,379 234 +1,225 17,290 1946 4,144 4,118 4,465 2,449 477 +1,262 16,915 1947 3,976 4,206 4,940 2,445 556 + 993 17,116 1948 3,631 4,579 5,393 2,475 558 +1,082 17,718 1949 3,572 5,232 6,097 2,511 472 +1,177 19,061		4,718						
1941 5.151 6.234 5.763 2.433 1.231 20.812 1942 5.655 6.419 5.627 2.470 1.532 21.703 1943 5.040 5.698 4.753 2.379 1.559 #19.429 1944 4.846 4.941 4.501 2.374 298 +1.186 18.146 1945 4.456 4.576 4.420 2.379 234 +1.225 17.290 1946 4.144 4.118 4.465 2.449 477 +1.262 16.915 1947 3.976 4.206 4.940 2.445 556 + 993 17.116 1948 3.631 4.579 5.393 2.475 558 +1.082 17.718 1949 3.572 5.232 6.097 2.511 472 +1.177 19.061	-), 075	C 2 2 2			_		
1942 5.655 6.419 5.627 2.470 1.532 21.703 1943 5.040 5.698 4.753 2.379 1.559 #19.429 1944 4.846 4.941 4.501 2.374 298 +1.186 18.146 1945 4.456 4.576 4.420 2.379 234 +1.225 17.290 1946 4.144 4.118 4.465 2.449 477 +1.262 16.915 1947 3.976 4.206 4.940 2.445 556 + 993 17.116 1948 3.631 4.579 5.393 2.475 558 +1.082 17.718 1949 3.572 5.232 6.097 2.511 472 +1.177 19.061	7240				2,529		•••	
1943 5,040 5,698 4,753 2.379 1.559 #19,429 1944 4,846 4,941 4,501 2.374 298 +1,186 18,146 1945 4,456 4,576 4,420 2.379 234 +1,225 17,290 1946 4,144 4,118 4,465 2,449 477 +1,262 16,915 1947 3,976 4,206 4,940 2,445 556 + 993 17,116 1948 3,631 4,579 5,393 2,475 558 +1,082 17,718 1949 3,572 5,232 6,097 2,511 472 +1,177 19,061	70/10 7747	5.727	0,254	2.(0)	2,455			
1944 4.846 4.941 4.501 2.374 298 +1.186 18.146 1945 4.456 4.576 4.420 2.379 234 +1.225 17.290 1946 4.144 4.118 4.465 2.449 477 +1.262 16.915 1947 3.976 4.206 4.940 2.445 556 + 993 17.116 1948 3.631 4.579 5.393 2.475 558 +1.082 17.718 1949 3.572 5.232 6.097 2.511 472 +1.177 19.061		5.655		2.627		1,552	•••	
1945 4.456 4.576 4.420 2.379 234 +1.225 17.290 1946 4.144 4.118 4.465 2.449 477 +1.262 16.915 1947 3.976 4.206 4.940 2.445 556 + 993 17.116 1948 3.631 4.579 5.393 2.475 558 +1.082 17.718 1949 3.572 5.232 6.097 2.511 472 +1.177 19.061	10/1/2 1343	7,040	5,698	4.753				
1946 4.144 4.118 4.465 2.449 477 +1.262 16.915 1947 3.976 4.206 4.940 2.445 556 + 993 17.116 1948 3.631 4.579 5.393 2.475 558 +1.082 17.718 1949 3.572 5.232 6.097 2.511 472 +1.177 19.061		4,846	4,741	4,501	2.5/4	298	±1,180	18.140
1946 4.144 4.118 4.465 2.449 477 +1.262 16.915 1947 3.976 4.206 4.940 2.445 556 + 993 17.116 1948 3.631 4.579 5.393 2.475 558 +1.082 17.718 1949 3.572 5.232 6.097 2.511 472 +1.177 19.061	1945				2,379	234	+1,225	17,290
1947 3.976 4.206 4.940 2.445 556 + 993 17.116 1948 3.631 4.579 5.393 2.475 558 +1.082 17.718 1949 3.572 5.232 6.097 2.511 472 +1.177 19.061	1946		4.118		2,449	477	+1,262	16,915
1948 3.631 4.579 5.393 2.475 558 +1.082 17.718 1949 3.572 5.232 6.097 2.511 472 +1.177 19.061	1947		4,206	4,940	2,445			
1949 3,572 5,232 6,097 2,511 472 +1,177 19,061	1948		4,579		2,475			
1050 0 770 1 050					2,511			19,061
<u>1920 2,70 4,951 6,558 2,503 352 +1,071 17,985 </u>	1950	2.770	4,951	6,338	2,503	352	+1,071	17,985

*For "phthisis" or pulmonary cases only. **Complete data not available prior to 1908. Threviously registered cases, who, on day of classification, were not under medical care either at clinics or institutions, or by private physicians. †Includes both Health Department clinic cases and those of other clinics. ‡Beginning in 1930 a change of procedure was inaugurated whereby the register of "at home" and "not found" cases was reduced. †Difference of 195 (1%) in total remaining on register due to difficulty of identifying and adjusting transfers. +"Pending", type of care not confirmed.

TOTAL TUBERCULOSIS CASES, ALL FORMS
According to the Department of Health Register on the last day of the year
for each Health Center District, New York City, since 1941

			_							
Health Center				uber cui			in Reg			
DISTRICT	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950
MANHATTAN:	_					_	_		_	
Central Harlem	2145	2186	1973	1521	1432	1633	1769	1902	2076	2114
East Harlem	896	929	706	653	666	680	765	959	1053	1081
Kips Bay-York	747	743	615	677	702	662	646	579	603	581
Lower East Side	1883	1717	1362	1210	1182	1175	1223	1342	1715	1741
Lower West Side	1101	1200	1110	1049	1124	1105	1125	1220	1460	1518
Riverside	922	1022	990	892	855	850	910	851	797	780
Washington Hgts	816	920	885	793	760	784	755	759	814	<u>719</u>
Manhattan	8510	8717	7641	6795	6721	6889	7193	7612	8514	8534
BRONX:		•								<u></u>
Ford 'm-Riverdale.	475	476	392	376	383	356	351	371	336	297
Morrisania	686	730	622	618	593	616	672	769	833	744
Mott Haven	608	625	612	628	630	628	708	752	793	689
Pelham Bay	247	278	247	242	234	213	191	203	200	168
Tremont	720	732	664	666	570	532	492	503	521	464
Westchester	430	472	401	390	376	358	380	383	378	284
_ Bronx	3166	3313	2938	2920	2786	2703	2794	2981	3061	2646
BROOKLYN:					, .		,			
Bay Ridge	673	703	695	613	555	500	473	477	513	410
Bedford	786	851	758	717	748	697	648	653	753	728
Brownsville	566	527	451	418	365	364	391	408	491	477
Bushwick	541	539	507	468	461	500	497	468	476	481
Flatbush	728	786	717	714	717	658	609	591	578	509
Fort Greene	534	543	509	491	509	533	521	532	616	654
Gravesend	449	463	386	385	331	316	281	257	270	256
Red Hook-Gowanus.	547	539	511	482	463	421	456	510	595	526
Sunset Park	522	611	537	525	461	472	418	463	510	447
WmsbrgGreenpt	533	549	470	493	450	451	H8 H	513	_ 509	510
Brooklyn	5879	6111	5541	5306	5060	4912	4778	4872	5311	4998
QUEENS:										
Astoria-L.I.City.	648	687	672	675	623	540	503	503	5 4 3	527
Corona	416	465	410	388	378	375	402	404	431	387
Flushing	411	406	377	338	323	316	357	389	412	396
Jamaica East	500	581	496	478	498	525	526	559	552	143g
Jamaica West	522	587	587	527	497	464	502	497	505	419
Maspeth-For.Hills	474	519	मृं9म	476	438	418	410	415	464	428
_Queens	2971	3245	3036		2757	2638		2767	2907	<u>2595</u>
RI CHMOND:										<u></u>
Richmond	298	328	282	322	290	309	324	288	279	286
NEW YORK CITY	20824	21714	19438	18225	17614	17451	17789	18520	20076	19059
W-4 02 - 101 11	· · · · · · · · · · · · · · · · · · ·			h	_ ~_ ~_ ~		<u> </u>			

Note: Classification of tuberculosis register (cases all forms) by health center districts not available prior to 1941.

TUBERCULOSIS REGISTER, BY AGE, SEX AND COLOR, NEW YORK CITY December 31st of Each Year, Since 1948

0-1		Г	Г 1	1				. 1					
Color Year	١, ١,			75 70	اد ما	65 00					ا ا		All
WHITE MAL	<u>ਲ</u> 1 0~4	12-7	10-14	12-19	20-24	25-29	30-34	35-441	45-54	55-641	65+!	Unk.	Ages
1948	8 6	E a	-1.	3.30	C00	<i>(</i>							
2010		51	14	139	509	673	673	1633	1878	1479	724	136	7995
	91	64	25	117	506	688	691	1655	2041	1582	858	141	8459
1950	93	6 g	15	99	456	604	577	1468	1972	1673	913	138	8076
1951	1												
WHITE FEM			٠ . ا				1 .			l			1 .
1948	79	34	34	239	670	827	765	1095	535	293	242	82	4 8 95
1949	100	53	40	212	571	812	785	1202	542	307	277	94	4995
1950	8,4	58	31	182	53 ¹ 4	6 55	640	1043	544	271	289	65	4396
1951								-	-	•••			
WHITE BOT	H SED	ŒS	1		• •			۸					-
1948	165	85	¥8	378	1179	1500	1438	2728	2413	1772	966	218	12890
1949	191		65	329	1077	1500	1476	2857	2583	1889	1135	235	13454
1950			46	281	990	1259	1217	2511	2516	19 1)	1202	203	12472
1951	-/'	250		LOI	770	16))	1511	2711	2910	1944	1505	رںء	-
NONWHITE	u M Δ T.T.		J	*	,					<u> </u>			L
	108	130	55	104	278	316	701	E 70	411	185	63	28	2491
3010	:		62	111			301	532					
1000	125				310	379	379	597	463	249	82	32	2926
7 Å Pro-	154	121	52	87	305	399	367	642	479	218	90	71	3001
NONWHITE 3	TEPRA A 4	10	ļ					•				الحجيم	
			-6		V	\	<i></i>		استدم	عرس			
1948	99	87	56	185	411	472	367	392	145	66	35 42	21	2336
1949	128		58	211	495	489	387	474	172	63		12	2658
1950	143	138	72	208	454	525	40 9		166	72	40	13	2724
<u> 1951</u>												<u> </u>	
NONWHITE :					_			_					l s
1948	207	197	111	289	689	788	66g	924	556	251	98	149	4827
1949	253	264	120	322	805	86 8	766	1071	635	312	154	11,11	5584
1950	297	275	124	29 5	759	924	776	1126	645	290	130	&jt	5725
<u>19</u> 51	• •	•				•	ļ · ·		_		-		- ' -
MALES ALL	RACE	S										1	
19481	224	170	72	258	839	1037	1012	2229	2381	1711	814	238	10985
1949†	237	211	93	245	878	1120	1119	2357	2639	1922	999	248	12068
1950+	262		70	194	811	1054	999	2192	2553	1962	1042	289	11648
<u> 1951</u> .			1-	,			777	/-		-, -, -		_	
FEMALES A	LL R	CES	<u>'</u>										<u>. </u>
1948†	197	126	96	434	1138	ን ፈ肛ን	1156	1526	707	369	285	160	7535
1949†	238	100	103	435	1128		1205	_	745		_	166	
1950 1	233	シンド	106	405	1036		1083	1723 1563	736	389 358	330 341	116	7411
1951	ررع	200	100	407	1030	1227	1065	1905	150	ەرر	5+1	110	1477
LIA LATOT	ביו עלל	25					<u> </u>			I			<u> </u>
1948	hau	20 C	160	600	1077	0776	2168	7766	70.00	0000	1000	700	la øenn
			168	692	1977			3755	3088		1099		18520
1949			196	680	2006		2324	4080	3384		1329		20076
1950	49 5	425	176	599	1847	2283	2082	3755	3289	2320	1383	405	19059
1951	<u> </u>						<u> </u>		-	<u> </u>			J
Included		4-11	A . 44		ت خسس				4.3. 1	COLOR NO	MAA T	70li.	-

fincluded are following number of cases, color not stated: 1948-M.499, F.304; 1949-M.683, F.355; 1950-M.571, F.291.

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TUBERCULOSIS RECISTER, ACCORDING TO RACE AND SEX, HEALTH CENTER DISTRICTS, NEW YORK CITY, ON DECEMBER 31ST, 1948, 1949 AND 1950

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											Ì															
Health Center		Male		Fen	emale		Both	Sexes		Male		5	Female	_	Both 5	Sexes		Male	a a				Bot	Sex	_ _ _ _	Health Center
DISTRICT	1948	1949 1	1950 19	1948 19	949 19	950 194	948 19	1949 19	1950 1948	8 1949	1950	1949		950 19	1948 194	1949 1950	1948	_	9 1950		1948 1949 1950	-	1948 19	45	1950	DISTRICT
MANHATTAN:]									 - 					MANHATTAN:
Central Harlem	69				33	32 99		109	107 873	3 966	1019	828	888	897 17	1701 1854	54 1916	.6 1008	8 1114	_	58 894		956	1902		2114	Central Harlem
East Harlem	218											288	309					2 549	.9 557	57 487		524	959		1081	East Harlem
Kips Bay-Yorkville	340			199								K	4									22				Kins Bav-York.
Lower East Side	730	941	954						1235 138			48	5			•			_	368		436	1342			
Heat	764											;	2 6									9 6				
	727											1 5	9 6	2 5		7 KH2			1			2 6				
phrerat	3 6		0 0 0									3	171				5 4835					S S S S	TCS	ã		KIVerside
Mashington Hgts						_							C)	_						400 348	8 367	519			•	Washington Hgts.
Manhattan	2705	30193	3047 12	1357 12	~	288 4062			4535 1630	0 1867	1983	1464	1615 1	698 30	3094 3482	82 3681	1 4634	4 5348	8 5380	30 2978	8 3170	3154	7612	8218	8534	Manhattan
BROWX:																										
Ford 'm-Riverdale .	213	176	153	149]		151 36			284	_		M;	4	к;	ď	4	77	חאר א		160 155	7. 2.5.	137	571	326	202	Ford 'm_Riverdale
Morrisania	208						552 3	362 3				8	200									222	1000	0 %	277	Mountainte
Wot + Howen	284				ָר בפר) (, ה ה ה		i č	200 200	2 6					3 6	D 0) t	1 6	MOLITSCHILD
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reinam Bay	3								142			ю	N					9 119				5	203	8	168	Pelham Bay
Tremont	269											ଧ	8	2	640					268 212		38	203	52	464	Tremont
Westchester	199	2	153		146 1(107 36	360 3	350 2	260 2	23	5	8	ю	7		မှ					9 158	8.	383	378	_	Mestchester
Bronx	1	┌╴		883		~	~					372	408		705 7	777 730	_	_	ľ	_	ľ	1155	1900		_	Brong
						_						2					<u> </u>			+		277	7002			BROOKT WN
Bay Ridge	289	317	253	179	186 1	148 46	468 50	503 4				_	c	•	M	4	20	200		כפר מזכ	נסר	27.	447	צו	7	Down Didge
Bedford	148											ישר	ر د و				200) C	- H	2 5		Day ILLUKE
Dout of the second of	200							2000				P CT	3 6									0.14 0.14	cco C	င္သ	ָבָץ בַּי	Bearora
ATTACKED	700						0,47					5	ຊ							279 185	5 222	86	2	491	4././	Brownsville
Bushwick	8				i TeT				409	5 T S	22	8	53	- 58 78	27	42 50						176	468	476	481	Bushwick
Flatbush	341					172 56						'n	ဖ							323 231		186	591	578	509	Flatbush
Fort Greene	229	242	257	130						4 115		5	66	118 1				5 371				259	532	919	654	Fort Greene
Gravesend	145			93				252 2				ιū	œ				9 355				500	201	257	200	0 C	Gravesend
c,	267											9 6	9 0	י כ								3 6	֓֞֞֝֞֜֝֞֝֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֞֝֓֓֓֡֓֓֓֓֓֞֝֓֡֓֡֓֡֓֡	2 5	3 5	
Contract Deals		3 6	2 6							2 (§ ,	8				070				ATZ G	181	010	0 i	97.0	Ked Hook-Gowanus
maer rark	200								٠			⊣ ;	N							282 182		164	463	210		Sumset Park
mabreGreenpt		- 1	244	200	187 19	195 45	_		457 54			34	8				4					225	513	203	210	WmsbrgGreenpt.
Brooklyn	2382	2499 2	_	~	~	93 3921	21 4094	94 3787	_	1 560	549	398	208	520 8	819 1068	68 1069	9 2878	8 3146	.6 3036	56 1994	4 2165	1962	4872	5311	4998	Brooklyn
QUEENS:																										QUEENS:
Astoria-L.I.City	289											ໝ	2	80	2		21 12	5 307		303 208	8 236	224	503	543	527	Astoria-L.I.City
Corona	508		288	144]								8	31	20								157	404	431		Corona
Flushing	%						364 38		73 14			-	10	a								17R	389	412		. 6
Jameica East	242											40	α	48			15 AC2			260 260		ָ ֓֞֝֞֝֞֜֝֞֝֓֞֝֝֓֞֝֓֡֓֞֝֝֓֡֓֡֓֡֓֡֓֡֝		1 1	7 20	Tologo Boot
	2	288	240								2 5	2 E	3 6	ָץ ר	3 5 1 ,	24 25		אל א מרצי			200	7 7 7	2 5	3 1	2 5	Temple West
-For H1118	236									יר זי		} -	3 6	N 6								2 6) F	3 5	2 C	ASMELICA MEDICA.
Oueens	1	1	-	20.6101	057 92	927 749	1492 250	595 22	2290	ל ל ה ה	-	g	, נכ <u>ר</u>	┸	ا ا	744 224	7121 7	-	-	<u> </u> -	「	255	3767		2010	Maspeta-ror.atta
RICHMOND:			+-	1			1					3	į	1	ì		+			+		7007	2		2	PTCHWOND.
Richmond	170	166	178	97	84	76 267		250 2	254 13	5 15	11	4	8	11	17	23 2	22 186	6 186		198 102	2 93	88	288	279	286	Richmond
NEW YORK CITY	7995	8459 8	8076 48	4895 49	4995 4396	e 12890	30 13454	54 12472	72 2491	1 2926	3001	2336	2658 2	2724 48	4827 5584	84 5725	אַססר בּ	5 120CB	871648	18 7535	8008	רו47	כ טכאצר	1 97000	0300	WITH ACRE CIM
						-								_						-		1			_	3

TOTAL PULMONARY TUBERCULOSIS CASES According to the Department of Health Register on the last day of the year for each health center district, New York City, since 1938

	-		,										
Realth Center					tal Pu								
DISTRICT	1938	1939	1940	1941	1942	1943	1944	1945	1946	1947	1948	<u> 1949 </u>	1950
Manhattan:								-					
Central Harlem	2127	1947	2109	2142	2184	1969	1506	1374	1545	1634	1752	1889	1934
East Harlem	958	ghț	796	896	929	706	637	6 16	612	681	glili	902	883
Kips Bay-York	681	667	673	747	743	615	675	694	653	627	564	585	567
Lower East Side.	1438	1533	1784	1883		1362		1164	1149	1175	1287	1650	1656
Lower West Side.	1311	1090	1040	1101	1199	1110	1049	1116	1089	1111	1199	1423	1481
Riverside	875	1038	959	921	1021	990	890	846	827	875	804	739	716
Washington Hgts.	854	904	839	815	918	881	792	756	763	731	726	780	67 <u>8</u>
Manhattan	\$5# #	8023	8200	8505	8711	7633	6759	6566	6638	6834	7176	796g	7915
BRONX:	•			,									
Ford 'm-Riverdale	507	471	468	475	476	392	376	383	351	347	365	330	293
Morrisania	811	gig	809	791	730	622	614	5 7 4	584	632	724	771	679
Mott Haven	550	548	555	60g	625	612	624	609	586	644	688	715	6io
Pelham Bay	267	240	254	247	278	247	242	234	206	186	196	196	163
Tremont	635	628	598	615	732	664	663	563	523	487	495	511	453
Westchester	341	362	372	430	471	401	387	374	356	378	379	373	282
Bronx	3111	3067	3056	3166	3312	2938	2906	2737	2606	2674	2847	2896	2480
BROOKLYN:											•		
Bay Ridge	609	624	692	673	703	695	613	551	498	467	465	503	402
Bedford	614	635	650	786	851	758	711	721	659	612	614	716	683
Brownsville	536	591	559	564	527	451	417	357	357	383	39 6	462	प्रमिष्ठ
Bushwick	459	484	514	540	539	507	468	459	492	489	461	465	469
Flatbush	603	590	653	728	786	717	712	709	642	59g	581	572	505
Fort Greene	605	556	4g4		543	508	490	489	503	495	506	571	61 jr
Gravesend	470	423	414	533 449	463	386	385	329	310	274	249	263	251
Red Hook-Gowanus	541	534	524	545	539	511	478	455	405	441	490	564	504
Sunset Park	1 19 9	492	517	522	611	537	523	457	467	415	458	503	439
WmabrgGreenpt.	500	536	534	533	549	470	491	иų́ó	438	469	490	485	483
Brooklyn	5436	5465	5541	5873	6111	5540	5288	4967	4771	4643	4710	5104	4798
QUEENS:	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \						_						
Astoria-L.I.City	570	580	607	648	687	672	674	61g	532	496	495	530	516
Corona	401	383	386	416	464	410	387	375	373	394	388	410	369
Flushing	292	314	326	411	406	377	334	318	308	34g	381	400	382
Jamaica East	504	470	476	499	580	496	477	491	513	516	541	534	422
Jamaica West	533	485	493	522	587	587	527	495	456	492	488	493	408
Maspeth-For Hills	363	388	441	474		494	476	438		408	413	459	421
Queens	2663			2970			2875						
RI CHMOND:		<u></u>	~; <i>~</i> J	<u> ۱۷ رب</u>		<u> </u>		-())		,-			<u>, -, </u>
Richmond	304	310	320	298	328	282	318	285	300	311	279	267	274
NEW YORK CITY	19758	19485	19846	5 20812	2170	319429	18146		1691	517110	5 17718	3 1 9061	 17985
			_		l					•			

Note: Classification of register by health center districts not available for years prior to 1938.

PULMONARY TUBERCULOSIS CASES UNDER CARE OF PRIVATE PHYSICIANS According to the Department of Health Register on the last day of the year for each health center district, New York City, since 1938

Translation of the same	<u> </u>	-											
Health Center		[= a = a [20101						nysici		20100	20101	1050
DISTRICT	1938	1939	1940]	1941	1942	1943	1944	1945	1946	1947	1948	19491	1950
MANHATTAN:	-1.0				- \					- 1: -		105	ac
Central Harlem	146	122	123	116	145	155	131	105	126	147	135	105	86
East Harlem	93 146	67	74	80	83	72	62	58	61	56	63	56	50
Kips Bay-York		152	141	145	184	143	163	147	118	116	77	90	77
Lower East Side .	143	143	153	141	180	132	160	158	118	96	97	96	87
Lower West Side .	160	139	142	160	197	178	168	164	146	141	137	157	139
Riverside	114	166	174	196	249	223	56 , 1	233	178	176	145	109	72
Washington Hgts	_ 21	211	229	210	270	249	230	207	183	167	145	144	104
Manhattan	1018	1000	1036	1048	1308	1152	1178	1042	930	899	<u>799</u>	<i>7</i> 57	615
BRONX:		_				_							
Ford 'm-Riverdale.	157	160	164	165	171	149	143	137	108	120	117	108	82
Morrisania	231	266	261	5,148	237	149	119	122	114	118	118	113	69
Mott Haven	111	119	124	144	148	105	111	98	82	99	85	88	73
Pelham Bay	114	111	112	97	.129	109	106	95	89	77	67	70	Щ
Tremont	232	219	210	218	251	199	214	180	172	160	150	136	98
Westchester	126	154	157	180	211	200	178	154	143	138	129	118	89
Bronx	971	1029	1028			911	871	786	708	712	666	633	455
BROOKLYN:	7.							•					
Bay Ridge	247	237	287	262	306	293	5/15	184	189	174	175	198	134
Bedford	151	163	184	183	205	195	183	190	190	177	125	116	84
Brownsville	142	150	151	162	157	98	104	90	109	113	105	122	104
Bushwick	117	131	145	162	143	139	140	150	132	127	127	121	119
Flatbush	234	258	300	344	307	303	319	312	283	259	228	213	162
Fort Greene	110	128	133	136	129	114	106	128	125	iii	95	83	74
Gravesend	145	161	168	183	170	153	150	143	133	99	90	96	ġ1.
Red Hook-Gowanus.	95	100	94	112	116	106	96	95	81	77	78	6g	52
Sunset Park	153	150	150	163		214	175	113	152	127	123	138	97
WmsbrgGreenpt	118	127	138	132	144	112	138	112	109	110	103	100	9i
Brooklyn		1605	1750		1894	1727	1653	1517	1503	1374	1249	1255	998
QUEENS:		200)	-1,/-	<u> </u>	20).	-1-1		-/-!	-2-2	<u> </u>	_ <u></u>		<u> </u>
Astoria-L.I.City.	178	192	213	221	209	236	230	226	175	173	150	158	148
Corona	147	161	151	154	170	146	146	140	132	123	108	97	83
Flushing	100	110	134	148	156	154	111	125	105	116	130	132	110
Jamaica East	171	159	171	172	209	175	155	165	165	160	152	144	72
Jamaica West	204	188								183	154		73
Maspeth-For.Hills	139	177	185 199	199 20 8		232 204	198 202	180		157	153	182	136
_ -											847	848	622
Queens	939	987	エログラ	TT05	1174	1141	T045	TO 22	919	912	<u>0+∫</u>	040	UCC
·	100		300	110	7	102	100	70	al.	70	70	70	øn.
Richmond	100	97	108	110	132	103	102	72	84	79	70	79	80
NEW YORK CITY	4540	4718	4975	5151	5655	5040	4846	4456	护了护护	3976	3631	3572	2770
	·				. حيد ،								

PULMONARY TUBERCULOSIS CASES ATTENDING CLINICS
According to the Department of Health Register on the last day of the year
for each health center district, New York City, since 1938

								-				_	
Health Center					Att	endir	g Cli	nics					
DISTRICT	1938	1939	1940	1941	1942	1943	1944	1945	1946	<u> 1947</u>	1948	194 9 1	<u> 1950</u>
MANHATTAN:	_					_	_						
Central Harlem	1060	920	979	972	950	848	607	525	537	532	601	691	686
East Harlem	₩ 7	453	333	346	394	292	282	259	228	239	281	338	36 9
Kips Bay-York	227	217	207	250	226	199	217	183	154	150	138	132	132
Lower East Side.	599	671	832	857	738	571	357	327	292	283	295	370	404
Lower West Side.	416	358	299	257	269	245	200	212	214	229	237	297	315
Riverside	278	372	306	297	314	272	206	185	157	157	165	193	206
Washington Hgts.	251	251	251	230	267	257	183	176	149	164	160	191	171
Manhattan	3278	3242	3207	3209	3158	2684	2052	1867	1731	1754	1877	2212	2283
BRONX:	,	-						_		_	_		
Ford'm-Riverdale	103	98	92	100	80	76	68	56	51	Яg	56	149	59
Morrisania	210	201	215	226	194	193	223	207	174	194	207	233	199
Mott Haven	169	171	195	188	206	198	210	229	210	205	221	243	180
Pelham Bay	59	41	48	57	67	ग्रेग	149	39	33	37	48	45	38
Tremont	142	173	152	153	168	172	159	124	100	94	110	121	123
Westchester	6g	<u>68</u>	ខា	97	95	70	74	70	52	70	73	80	<u>69</u>
Bronx	751	752	783	821	810	753	783	725	620	648	715	771	668
BROOKLYN:									_				
Bay Ridge	110	131	139	141	137	152	125	132	96	93	93	155	104
Bedford	169	160	186	225	242	215	202	182	148	159	168	185	157
Brownsville	168	204	159	156	146	147	126	101	89	93	116	1/18	137
Bushwick	113	174	192	160	190	165	161	142	144	140	155	157	150
Flatbush	124	118	107	115	161	132	143	125	116	93	89	106	109
Fort Greene	176	175	114	151	169	166	153	155	140	135	140	184	192
Gravesend	116	117	82	102	121	87	87	69	71	59	51	уłył	61
Red Hook-Gowanus	168	195	163	150	163	149	113	106	95	105	114	153	109
Sunset Park	130	152	152	117	131	115	104	116	118	102	123	145	124
WmsbrgGreenpt.	133	116	130	125	169	120	122	134	130	137	148	136	1,41
Brooklyn	1407	1542	1424	1442	1629	144g	1336	1262	1147	1116	1197	1380	1284
QUEENS:													
Astoria-L.I.City	166	177	179	184	192	204	212	174	138	130	148	188	171
Corona	88	73	87	93	114	98	77	83	78	93	109	128	100
Flushing	66	53	66	94	104	84	87	6ଞ	62	68	83	87	86
Jamaica East	116	90	104	106	119	122	120	117	98	138	168	169	109
Jamaica West	122	98	96	100	116	131	107	114	104	116	132	147	103
Maspeth-For Hills	98	107	111	116		101	90	98	86	88	96	94	24
Queens	656	598	643	693	760	740	693	654	566	633		813	663
RI CHMOND:													•
Richmond	64	76	76	69	62	73	77	6g	54	55	54	56	53
NEW YORK CITY	6156	6210	6133	6234	6419	5698	4941	4576	4118	4206	4579	5232	4951

PULMONARY TUBERCULOSIS CASES IN INSTITUTIONS WITHIN CITY According to the Department of Health Register on the last day of the year for each health center district. New York City, since 1938

	escu i	TOST (1	т сей	er a	rafti	56 . M	9W 10	CK OI	, y , B	ince .	13.70		
Health Center					In In	stitu	tions	With	in Ci	tу			
DI STRI CT	1938	1939	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950
MANHATTAN:								-					•
Central Harlem	658	662	730	741	686	588	466	427	511	512	546	623	653
East Harlem	277	227	283	329	276	214	181	174	208	264	345	341	318
Kips Bay-York	180	183	223	227	215	179	172	202	191	193	185	189	ī96
Lower East Side.	471	496	5 79	640	554	382	436	406	433	485	512	736	750
Lower West Side.	409	369	396	461	456	377	406	393	393	463	557	659	704
Riverside	240	270	238	207	229	196	207	198	212	249	242	212	5/10
Washington Egts.	171	199	1 <u>8</u> 8	201	218	194	194	188	188	188	180	215	214
Menhattan	2406	2406	2637		2634			1988			2567	2975	3075
BRONX:											<u> </u>		217
Ford 'm-Riverdale	117	100	109	110	88	79	64	81	77	100	93	g6	71
Morrisania	155	161	164	177	170	141	127	134	144	164	216	55,4	240
Mott Haven	166	156	155	169	155	173	156	149	142	185	187	212	218
Pelham Bay	46	37	37	41	34	43	35	38	27	30	30	34	43
Tremont	106	97	110	110	119	112	102	g4	95	101	108	127	107
Westchester	63	57	59	75	77	63	67	62	59	80	72	gi	75
Bronx	653	608	634	682	643	611	551	548	544	660	706	764	75 ⁴
BROOKLYN:								<i></i>				-	
Bay Ridge	104	119	129	136	131	101	101	104	106	98	113	104	99
Bedford	161	178	175	247	265	201	198	223	169	158	195	257	278
Brownsville	107	128	128	130	117	85	94	96	77	91	94	112	126
Bushwick	127	81	81	130	106	118	9g	102	117	129	99	119	136
Flatbush	93	96	110	117	141	133	114	126	108	92	110	107	101
Fort Greene	171	181	153	147	161	148	130	124	120	141	163	212	235
Gravesend	102	73	86	82	79	68	60	ክክ	38	51	4Ō	54	53
Red Hook-Gowanus	174	160	189	195	182	170	178	163	149	194	226	259	261
Sunset Park	123	125	133	151	162	121	120	118	100	109	130	138	15 3
WmsbrgGreenpt.	157	181	160	168	144	151	131	108	107	129	142	152	156
_ Brooklyn	1319	1322	1344		1488			1208			1312	1514	1598
QUEENS:													
Astoria-L.I.City	106	116	126	165	179	138	124	127	131	111	133	127	141
Corona	69	62	76	88	95	83	83	79	67	92	94	105	114
Flushing	58	62	62	92	85	77	66	69	74	86	104	109	114
Jamaica East	105	112	107	133	164	ıii	107	125	138	129	132	147	153
Jamaica West	99	91	120	127	149	138	104	98		106	129	143	150
Maspeth-For Hills	53	59	65	94	98	103	86	91	88	92	. 99	120	131
Queens	490	502	556	699	770	650	570	589	597	616	691	751	803
RI CHMOND:													
R1chmond	93	78	84	73	92	66	94	87	97	118	117	93	108
NEW YORK CITY	1961	4916	5255	5763	5627	4753	4501	7,150	4465	119110	5393	6097	6338

PUIMONARY TUBERCULOSIS CASES IN SANATORIA, OUT-OF-TOWN According to the Department of Health Register on the last day of the year for each health center district, New York City, since 1938

Realth Center 1938 1939 1940 1941 1942 1943 1944 1945 1947 1948 1949 1950		each .	mous v	4 604	V 04 U.	10011	OV, 1	0 	IA VI	· y , o	11100	47,00		
## Central Harlem 89 83 101 109 111 104 73 97 111 142 179 191 215 East Harlem 63 35 49 68 74 54 55 67 55 62 74 88 84 Kips Bay-Tork 83 80 72 99 91 82 117 148 128 91 92 120 117 Lower Mest Side. 116 120 142 159 145 121 145 134 149 147 159 159 166 193 119 121 135 149 151 161 148 133 141 166 193 119 121 135 149 151 161 148 133 141 166 193 119 121 135 149 151 161 148 133 141 166 193 119 121 135 149 151 161 148 133 141 128 117 116 Manhattan 651 631 652 761 781 715 733 801 843 827 897 962 1037 RROMX: 107	Health Center					Īn	Sana	toria	, Out	of-t	own			
MANATTAN: Central Harlem 89 83 101 109 111 104 73 97 111 142 179 191 215 Bast Harlem 63 35 49 68 74 54 55 67 55 62 74 88 84 Kips Bey-York 83 80 72 99 91 82 117 148 128 91 92 120 117 Lower West Side 116 130 114 121 135 149 151 161 148 133 141 166 193 Riverside 80 96 108 114 136 108 93 102 130 141 128 117 116 Washington Hgts. 74 87 66 91 89 97 99 92 122 111 124 121 116 Manhattan 651 631 652 761 781 715 733 801 843 827 897 962 1037 RROMX: Ford's-Riverdale 68 72 72 68 69 51 55 65 75 63 74 67 59 Morrisania 103 103 102 92 88 71 62 61 75 79 96 99 90 Mott Haven 57 58 51 61 77 76 62 59 71 72 79 84 76 Pelham Bay 12 25 29 26 24 40 31 34 29 22 22 29 25 Tremont 71 69 80 84 101 134 111 100 97 98 93 99 79 Westchester 38 39 34 34 16 41 32 46 52 52 52 54 49 31 Bronx 349 366 368 365 405 413 353 365 399 386 418 427 364 RROMIN: Bay Ridge 56 61 69 59 54 76 74 72 55 59 50 51 48 Bedford 46 37 51 61 54 44 59 55 102 74 68 81 78 Bronx 349 386 36 86 69 57 73 53 68 72 64 61 72 Bushwick 41 37 44 38 33 26 27 24 68 69 98 87 74 68 81 78 Bronx 11 69 80 84 103 13 353 32 54 56 86 99 87 18 Flatbush 67 62 82 97 85 87 74 76 86 99 88 71 83 Fort Greene 53 36 40 47 38 35 87 74 76 86 99 88 71 83 Fort Greene 53 36 40 47 38 35 87 74 76 86 99 88 71 83 Fort Greene 59 36 40 47 38 35 84 40 47 49 61 75 75 Sunset Park 49 28 42 47 50 36 56 56 56 55 50 59 57 77 MashrgGreenpt 49 28 42 47 50 36 56 56 56 56 55 50 59 57 77 MashrgGreenpt 49 28 42 47 50 36 56 56 56 56 55 50 59 57 57 MashrgGreenpt 49 28 42 47 50 36 55 55 56 56 55 50 59 57 57 MashrgGreenpt 49 28 42 47 50 36 55 54 66 64 61 65 57 Flushing 32 44 34 43 32 30 32 35 37 51 50 57 58 Bronx 46 57 55 70 63 45 59 46 33 46 49 42 32 Maspeth-For.Hills Queens 28 130 22 28 22 28 29 29 RICHMOND: Richmond 23 22 28 16 24 24 34 40 47 47 25 23 22		1938	1939	1940	1941	1942	11943	1944	11945	1946	1947	11948	1949	1950
East Harlem 63 35 49 68 74 54 55 67 55 62 74 88 84 Kips Bay-Tork 83 80 72 99 91 82 117 148 128 91 92 120 117 Lower Bast Side. 116 120 142 159 145 121 145 134 149 147 159 159 196 Lower West Side. 80 96 108 114 121 135 149 151 161 148 133 141 166 193 Riverside 80 96 108 114 121 136 108 93 102 130 141 128 117 116 Washington Hgts 74 87 66 91 89 97 99 92 122 111 124 121 116 Manhattan 651 631 652 761 781 715 733 801 843 827 897 962 1037 HROMX: Port'm-Riverdale 68 72 72 68 69 51 55 65 75 63 74 67 59 Mort Haven 57 58 51 61 77 76 62 59 71 72 79 84 76 Felham Bay 12 25 29 26 24 40 31 34 29 22 22 29 25 Tremont 71 69 80 84 101 134 111 100 97 98 93 99 79 West Chester 38 79 34 34 46 41 32 46 52 52 54 49 35 Bronx 349 366 368 365 405 413 353 365 399 386 418 427 364 RROMENT: Bay Ridge 56 61 69 59 54 146 59 55 102 74 68 81 78 Brownewille 67 62 82 97 85 87 74 76 86 99 88 71 83 Brownewille 67 62 82 97 85 87 74 76 86 99 88 71 83 Rrownewille 67 62 82 97 85 87 74 76 86 99 88 71 83 Rrownewille 67 62 82 97 85 87 74 76 86 99 88 71 83 Rrownewille 67 62 82 97 85 87 74 76 86 99 88 71 83 Rrownewille 67 62 82 97 85 87 74 76 86 99 88 71 83 Red Hook-Gowams 37 46 36 34 42 32 30 32 35 37 51 50 57 58 Brooklyn 490 483 543 558 511 504 557 506 624 609 602 593 631 QUEENS: Asspring 490 483 543 558 511 504 557 506 624 609 602 593 631 ROMENTS: Brooklyn 490 483 543 558 511 504 557 506 624 609 602 593 631 ROMENTS: Brooklyn 490 483 543 558 511 504 557 506 624 609 602 593 631 ROMENTS: Brooklyn 490 483 543 558 511 504 557 506 624 609 602 593 631 ROMENTS: Rocklyn 490 483 543 582 274 275 281 280 296 323 313 302 279 RICHMOND: Richmond 23 22 22 16 24 24 34 40 47 47 25 23 22	MANHATTAN:										,			
Rast Harlem 63 35 49 68 74 54 55 67 55 62 74 88 84 Kips Bay-York 83 80 72 99 91 82 117 148 128 91 92 120 117 148 128 91 92 120 117 148 128 91 92 120 117 149 147 159 159 195 161 148 133 141 166 193 141 121 135 149 151 161 148 133 141 166 193 141 128 117 116 148 133 141 166 193 141 128 117 116 148 133 141 166 193 161 176 69 89 97 99 99 92 122 111 124 121 121 121 121 121 1	Central Harlem	89	83	101	109	111	104	73	97	111	142	179	191	215
Kips Bay-Tork	East Harlem	63											88	
Lower East Side 116 120 142 159 145 121 145 134 149 147 159 159 196 108 134 136 138 137 141 166 193 144 145 135 149 151 161 148 133 141 166 193 144 145	Kips Bay-York													
Lower West Side. 146 130 114 121 135 149 151 161 148 133 141 166 193														
Riverside 80 96 108 114 136 108 93 102 130 141 128 117 116 Washington Egts. 74 87 66 91 89 97 99 92 122 111 124 121 116 Manhattan 651 631 652 761 781 715 733 801 843 827 897 962 1037 RRONX: BROWS: Ford'm-Riverdale 68 72 72 68 69 51 55 65 75 63 74 67 59 Morrisania 103 103 102 92 88 71 62 61 75 79 96 99 90 Mort Haven 57 58 51 61 77 76 62 59 71 72 79 84 76 Pelham Bay 12 25 29 26 24 40 31 34 29 22 22 29 25 Tremont 71 69 80 84 101 134 111 100 97 98 93 99 79 99 Westchester 38 39 34 34 46 41 110 134 111 100 97 98 93 99 79 99 Westchester 38 39 34 34 46 41 110 134 111 100 97 98 93 399 79 8 Bronx 349 366 368 365 405 413 353 365 399 386 418 427 364 RROOKLYN: Ray Ridge 56 61 69 59 54 76 74 72 55 59 50 51 48 Bedford 46 37 51 61 54 44 59 55 102 74 68 81 78 Brownsville 60 73 80 65 69 57 73 53 68 72 64 61 72 Bushwick 41 37 44 38 33 26 27 24 56 46 49 44 59 Flatbush 67 62 82 97 85 87 74 76 86 99 88 71 83 Fort Greene 53 36 40 47 38 35 43 32 54 63 60 57 78 Gravesend 32 41 43 50 50 48 38 42 43 29 39 33 38 88 70 Gravesend 32 41 43 50 50 48 38 42 43 29 39 33 38 38 Red Hook-Gowamms 37 46 36 34 42 52 48 40 47 49 61 75 73 Sunset Park 49 28 42 47 50 36 56 56 56 55 50 59 57 47 78 Sunset Park 49 28 42 47 50 36 56 56 56 55 50 59 57 47 78 Sunset Park 49 28 42 47 50 36 56 56 56 55 50 59 57 47 78 Sunset Park 49 28 42 47 50 36 56 56 56 55 50 59 57 47 78 Sunset Park 49 28 42 47 50 36 56 56 56 55 50 59 57 47 47 50 36 56 56 56 56 55 50 59 57 57 58 Sunset Park 49 28 42 47 50 36 56 56 56 55 50 59 57 47 58 Sunset Park 49 28 42 47 50 36 56 56 56 55 50 59 57 47 47 50 50 50 50 50 50 50 50 50 50 50 50 50						_	_				•		166	
Weathington Hgts. 74 87 66 91 89 97 99 92 122 111 124 121 116 Manhattan 651 631 652 761 781 715 733 801 843 827 897 962 1037 RRONK: Ford'm-Riverdale 68 72 72 68 69 51 55 65 75 63 74 67 59 Morrisania 103 103 102 92 88 71 62 61 75 79 96 99 90 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>														
Manhattan														116
## RIONK: Ford im-Riverdale														
Morrisania 103 103 102 92 88 71 62 61 75 79 96 99 90 Mott Haven 57 58 51 61 77 76 62 59 71 72 79 84 76 76 Pelham Bay 12 25 29 26 24 40 31 34 29 22 22 29 25 Tremont 71 69 80 84 101 134 111 100 97 98 93 99 79 Westchester 38 39 34 34 46 41 32 46 52 52 54 49 35 Bronx 349 366 368 365 405 413 353 365 399 386 418 427 364 PROOKLYN: Bay Ridge 56 61 69 59 54 76 74 72 55 59 50 51 48 Bedford 46 37 51 61 54 44 59 55 102 74 68 81 78 Brownsville 60 73 80 65 69 57 73 53 68 72 64 61 72 Bushwick 41 37 44 38 33 32 66 27 24 56 46 49 44 55 Flatbush 67 62 82 97 85 87 74 76 86 99 88 71 83 Fort Greene 53 36 40 47 38 35 43 32 54 63 60 57 78 Gravesend 32 41 43 50 50 48 38 42 43 29 39 38 38 Red Hook-Gowamus 37 46 36 34 42 52 48 40 47 49 61 75 73 Sunset Park 49 28 42 47 50 36 56 56 56 55 50 59 57 77 77 77 77 77 77 78 77 78 77 78 77 78 77 77	BRONX:	·- - -	<u> </u>		,,,,	102				<u> </u>				_+_
Morrisania 103 103 102 92 88 71 62 61 75 79 96 99 90 Mott Haven 57 58 51 61 77 76 62 59 71 72 79 84 76 76 Pelham Bay 12 25 29 26 24 40 31 34 29 22 22 29 25 Tremont 71 69 80 84 101 134 111 100 97 98 93 99 79 Westchester 38 39 34 34 46 41 32 46 52 52 54 49 35 Bronx 349 366 368 365 405 413 353 365 399 386 418 427 364 PROOKLYN: Bay Ridge 56 61 69 59 54 76 74 72 55 59 50 51 48 Bedford 46 37 51 61 54 44 59 55 102 74 68 81 78 Brownsville 60 73 80 65 69 57 73 53 68 72 64 61 72 Bushwick 41 37 44 38 33 32 66 27 24 56 46 49 44 55 Flatbush 67 62 82 97 85 87 74 76 86 99 88 71 83 Fort Greene 53 36 40 47 38 35 43 32 54 63 60 57 78 Gravesend 32 41 43 50 50 48 38 42 43 29 39 38 38 Red Hook-Gowamus 37 46 36 34 42 52 48 40 47 49 61 75 73 Sunset Park 49 28 42 47 50 36 56 56 56 55 50 59 57 77 77 77 77 77 77 78 77 78 77 78 77 78 77 77	Ford'm-Riverdale	68	72	72	68	69	51	55	65	75	63	74	67	59
Mott Haven 57 58 51 61 77 76 62 59 71 72 79 84 76 Pelham Bay 12 25 29 26 24 40 31 34 29 22 22 29 25 Tremont 71 69 80 84 101 134 111 100 97 98 93 99 79 Westchester 38 39 346 348 344 34 46 41 32 46 52 52 54 49 35 Brox 349 366 368 365 405 413 353 365 399 386 418 427 364 BROOKLYN: Beg 61 69 59 54 76 74 72 55 59 50 51 48 Bedford 46 37 36 65 69 57 73 53 68 72 64 61 62 82 97								62	61	75		96		
Tremont 71 69 80 84 101 134 111 100 97 98 93 99 79 Bronx 349 366 368 365 405 413 353 399 386 418 427 364 BROOKLYN: Bay Ridge 56 61 69 59 54 76 74 72 55 59 50 51 48 Bedford 46 37 51 61 54 44 59 55 102 74 68 81 78 Browneville 60 73 80 65 69 57 73 53 68 72 64 61 72 Bushwick 41 37 44 38 33 26 27 24 56 46 49 44 49 42 72 64 61 72 78 67 74 76 86	Mott Haven	_			61									76
Tremont 71 69 80 84 101 134 111 100 97 98 93 99 79 Bronx 349 366 368 365 405 413 353 399 386 418 427 364 BROOKLYN: Bay Ridge 56 61 69 59 54 76 74 72 55 59 50 51 48 Bedford 46 37 51 61 54 44 59 55 102 74 68 81 78 Browneville 60 73 80 65 69 57 73 53 68 72 64 61 72 Bushwick 41 37 44 38 33 26 27 24 56 46 49 44 49 42 72 64 61 72 78 67 74 76 86	Pelham Bay								瓡					25
Westchester 38 39 34 34 46 41 32 46 52 52 54 49 35 Bronx 349 366 368 365 405 413 353 365 399 386 418 427 364 BROOKLYN: Bey Ridge 56 61 69 59 54 74 72 55 59 50 51 48 Bedford 46 37 51 61 54 44 59 55 102 74 68 81 78 Brownsville 60 73 80 65 69 57 73 53 68 72 64 61 72 Brownsville 60 73 80 65 69 57 73 53 68 72 64 61 72 Brainet 41 37 44 38 33 26 27 2	Tremont					-			100					79
BROOKLYN: Bay Ridge 56 61 69 59 54 76 74 72 55 59 50 51 48 Bedford 46 37 51 61 54 44 59 55 102 74 68 81 78 Brownsville 60 73 80 65 69 57 73 53 68 72 64 61 72 Bushwick 41 37 44 38 33 26 27 24 56 46 49 44 55 Flatbush 67 62 82 97 85 87 74 76 86 99 88 71 83 Fort Greene 53 36 40 47 38 35 43 32 54 63 60 57 78 Gravesend 32 41 43 50 50 48 38 42 43 29 39 38 38 Red Hook-Gowamus 37 46 36 34 42 52 48 40 47 49 61 75 73 Sunset Park 49 28 42 47 50 36 56 56 55 50 59 57 47 WmsbrgGreenpt 49 62 56 60 36 43 65 56 56 58 68 64 58 59 Brooklyn 490 483 543 558 511 504 557 506 624 609 602 593 631 QUEENS: Astoria-L.I.City 68 69 58 45 49 60 63 69 72 72 60 54 53 Corona 41 41 43 48 44 51 37 50 61 64 61 65 57 Flushing 32 44 34 43 32 30 32 35 37 51 50 57 58 Jamaica East 52 55 46 44 47 42 45 39 55 50 58 46 45 Jamaica West 46 57 55 70 63 45 54 46 33 46 49 42 32 Naspeth-For.Hills 42 36 42 32 39 47 50 41 38 40 35 38 34 Richmond 23 22 22 16 24 24 34 40 47 47 25 23 22													μá	35
BROOKLYN: Bay Ridge 56 61 69 59 54 76 74 72 55 59 50 51 48 Bedford 46 37 51 61 54 44 59 55 102 74 68 81 78 Brownsville 60 73 80 65 69 57 73 53 68 72 64 61 72 Bushwick 41 37 44 38 33 26 27 24 56 46 49 44 55 Flatbush 67 62 82 97 85 87 74 76 86 99 88 71 83 Fort Greene 53 36 40 47 38 35 43 32 54 63 60 57 78 Gravesend 32 41 43 50 50 48 38 42 43 29 39 38 38 Red Hook-Gowamus 37 46 36 34 42 52 48 40 47 49 61 75 73 Sunset Park 49 28 42 47 50 36 56 56 55 50 59 57 47 WmsbrgGreenpt 49 62 56 60 36 43 65 56 56 58 68 64 58 59 Brooklyn 490 483 543 558 511 504 557 506 624 609 602 593 631 QUEENS: Astoria-L.I.City 68 69 58 45 49 60 63 69 72 72 60 54 53 Corona 41 41 43 48 44 51 37 50 61 64 61 65 57 Flushing 32 44 34 43 32 30 32 35 37 51 50 57 58 Jamaica East 52 55 46 44 47 42 45 39 55 50 58 46 45 Jamaica West 46 57 55 70 63 45 54 46 33 46 49 42 32 Naspeth-For.Hills 42 36 42 32 39 47 50 41 38 40 35 38 34 Richmond 23 22 22 16 24 24 34 40 47 47 25 23 22			366	368	365	_								364
Bedford 46 37 51 61 54 44 59 55 102 74 68 81 78 Brownsville 60 73 80 65 69 57 73 53 68 72 64 61 72 Bushwick 41 37 44 38 33 26 27 24 56 46 49 44 55 Fletbush 67 62 82 97 85 87 74 76 86 99 88 71 83 Fort Greene 53 36 40 47 38 35 43 32 54 63 60 57 78 Gravesend 32 41 43 50 50 48 38 42 43 29 39 38 38 Red Hook-Gowamus 37 46 36 34 42 52 48 40 47 49 61 75 73 73 50 59 59 57										111				
Bedford 46 37 51 61 54 44 59 55 102 74 68 81 78 Brownsville 60 73 80 65 69 57 73 53 68 72 64 61 72 Bushwick 41 37 44 38 33 26 27 24 56 46 49 44 55 Fletbush 67 62 82 97 85 87 74 76 86 99 88 71 83 Fort Greene 53 36 40 47 38 35 43 32 54 63 60 57 78 Gravesend 32 41 43 50 50 48 38 42 43 29 39 38 38 Red Hook-Gowamus 37 46 36 34 42 52 48 40 47 49 61 75 73 73 50 59 59 57	Bay Ridge	56	61	69	59	54	76	74	72	55	59	50	51	48
Brownsville 60 73 80 65 69 57 73 53 68 72 64 61 72 Bushwick 41 37 44 38 33 26 27 24 56 46 49 44 55 Flatbush 67 62 82 97 85 87 74 76 86 99 88 71 83 Fort Greene 53 36 40 47 38 35 43 32 54 63 60 57 78 Gravesend 32 41 43 50 50 48 38 42 43 29 39 38 38 Red Hook-Gowamus 37 46 36 34 42 52 48 40 47 49 61 75 73 Sunset Park 49 28 42 47 50 36 56 56 55 50 59 57 47 WmsbrgGreenpt 49 62 56 60 36 43 65 56 56 55 50 59 57 47 WmsbrgGreenpt 490 483 543 558 511 504 557 506 624 609 602 593 631 QUEENS: Astoria-L.I.City 68 69 58 45 49 60 63 69 72 72 60 54 58 59 Flushing 32 44 34 43 32 30 32 35 37 51 50 57 58 Jamaica East 52 55 46 44 47 42 45 39 55 50 59 57 58 Jamaica East 52 55 46 44 47 42 45 39 55 50 58 46 45 Jamaica West 46 57 55 70 63 45 54 55 54 46 33 46 49 42 32 Maspeth-For.Hills 42 36 42 32 39 47 50 41 38 40 35 38 34 RICHMOND: Richmond 23 22 22 16 24 24 34 40 47 47 25 23 22	Bedford				61	54	'nй				74	6g		
Bushwick 41 37 44 38 33 26 27 24 56 46 49 44 55 Flatbush 67 62 82 97 85 87 74 76 86 99 88 71 83 Fort Greene 53 36 40 47 38 35 43 32 54 63 60 57 78 Gravesend 32 41 43 50 50 48 38 42 43 29 39 38 38 Red Hook-Gowams 37 46 36 34 42 52 48 40 47 49 61 75 73 Sunset Park 49 28 42 47 50 36 56 56 55 50 59 57 47 WmsbrgGreenpt 49 62 56 60 36 43 65 56 58 68 64 58 59 Brocklyn 490 483 543 558 511 504 557 506 624 609 602 593 631 QUEENS: Astoria-L.I.City 68 69 58 45 49 60 63 69 72 72 60 54 53 Corona 41 41 43 48 44 51 37 50 61 64 61 65 57 Flushing 32 44 34 43 32 30 32 35 37 51 50 57 58 Jamaica East 52 55 46 44 47 42 45 39 55 50 58 46 45 Jamaica West 46 57 55 70 63 45 54 66 33 46 49 42 32 Maspeth-For.Hills 42 36 42 32 39 47 50 41 38 40 35 38 34 Queens 281 302 278 282 274 275 281 280 296 323 313 302 279 RICHMOND: Richmond 23 22 22 16 24 24 34 40 47 47 25 23 22								73	53					
Flatbush 67 62 82 97 85 87 74 76 86 99 88 71 83 Fort Greene 53 36 40 47 38 35 43 32 54 63 60 57 78 Gravesend 32 41 43 50 50 48 38 42 43 29 39 38 38 Red Hook-Gowamus 37 46 36 34 42 52 48 40 47 49 61 75 73 Sunset Park 49 28 42 47 50 36 56 56 55 50 59 57 47 WmsbrgGreenpt 49 62 56 60 36 43 65 56 56 58 68 64 58 59 Brooklyn 490 483 543 558 511 504 557 506 624 609 602 593 631 QUEENS: Astoria-L.I.City 68 69 58 45 49 49 60 63 69 72 72 60 54 53 Corona 41 41 43 48 44 51 37 50 61 64 61 65 57 Flushing 32 44 34 43 32 30 32 35 37 51 50 57 58 Jamaica East 52 55 46 44 47 42 45 39 55 50 58 46 45 Jamaica West 46 57 55 70 63 45 54 46 33 46 49 42 32 Maspeth-For Hills 42 36 42 32 39 47 50 41 38 40 35 38 34 RICHMOND: Richmond 23 22 22 16 24 24 34 40 47 47 25 23 22							26		24		46			
Fort Greene 53 36 40 47 38 35 43 32 54 63 60 57 78 Gravesend 32 41 43 50 50 48 38 42 43 29 39 38 38 Red Hook-Gowamus 37 46 36 34 42 52 48 40 47 49 61 75 73 Sunset Park 49 28 42 47 50 36 56 56 56 55 50 59 57 47 WmsbrgGreenpt 49 62 56 60 36 43 65 56 58 68 64 58 59 Brooklyn 490 483 543 558 511 504 557 506 624 609 602 593 631 QUEENS: Astoria-L.I.City 68 69 58 45 49 60 63 69 72 72 60 54 53 Corona 41 41 43 48 44 51 37 50 61 64 61 65 57 Fluehing 32 44 34 43 32 30 32 35 37 51 50 57 58 Jamaica East 52 55 46 44 47 42 45 39 55 50 58 46 45 Jamaica West 46 57 55 70 63 45 54 46 33 46 49 42 32 Maspeth-For.Hills 42 36 42 32 39 47 50 41 38 40 35 38 34 Queens 281 302 278 282 274 275 281 280 296 323 313 302 279 RICHMOND: Richmond 23 22 22 16 24 24 34 40 47 47 25 23 22		_	62			85					_	_		83
Gravesend 32 41 43 50 50 48 38 42 43 29 39 38 38 Red Hook-Gowams 37 46 36 34 42 52 48 40 47 49 61 75 73 Sunset Park 49 28 42 47 50 36 56 56 55 50 59 57 47 WmsbrgGreenpt 49 62 56 60 36 43 65 56 58 68 64 58 59 Brooklyn 490 483 543 558 511 504 557 506 624 609 602 593 631 QUEENS: Astoria-L.I.City 68 69 58 45 49 60 63 69 72 72 60 54 53 Corona 41 41 43 48 44 51 37 50 61 64 61 65 57 Flushing 32 44 34 43 32 30 32 35 37 51 50 57 58 Jamaica East 52 55 46 44 47 42 45 39 55 50 58 46 45 Jamaica West 46 57 55 70 63 45 54 46 33 46 49 42 32 Maspeth-For.Hills 42 36 42 32 39 47 50 41 38 40 35 38 34 Queens 281 302 278 282 274 275 281 280 296 323 313 302 279 RICHMOND: Richmond 23 22 22 16 24 24 34 40 47 47 25 23 22											63			78
Red Hook-Gowamus 37 46 36 34 42 52 48 40 47 49 61 75 73 Sunset Park 49 28 42 47 50 36 56 56 55 50 59 57 47 WmsbrgGreenpt. 49 62 56 60 36 43 65 56 58 68 64 58 59 Brooklyn 490 483 543 558 511 504 557 506 624 609 602 593 631 QUEENS: Astoria-L.I.City 68 69 58 45 49 60 63 69 72 72 60 54 53 Corona 41 41 43 48 44 51 37 50 61 64 61 65 57 Flushing 32 44 34 43 32 30 32 35 37 51 50 57 58 Jamaica East 52 55 46 44 47 42 45 39 55 50 58 46 45 Jamaica West 46 57 55 70 63 45 54 46 33 46 49 42 32 Maspeth-For.Hills 42 36 42 32 39 47 50 41 38 40 35 38 34 Queens 281 302 278 282 274 275 281 280 296 323 313 302 279 RICHMOND: Richmond 23 22 22 16 24 24 34 40 47 47 25 23 22							48							38
Sunset Park 49 28 42 47 50 36 56 56 55 50 59 57 47 WmsbrgGreenpt 49 62 56 60 36 43 65 56 58 68 64 58 59 Brocklyn 490 483 543 558 511 504 557 506 624 609 602 593 631 QUEENS: Astoria-L.I.City 68 69 58 45 49 60 63 69 72 72 60 54 53 Corona 41 41 43 48 44 51 37 50 61 64 61 65 57 Flushing 32 44 34 43 32 30 32 35 37 51 50 57 58 Jamaica East 52 55 46 44 47 42 45 39 55 50 58 46 45 Jamaica West 46 57 55 70 63 45 54 46 33 46 49 42 32 Maspeth-For.Hills 42 36 42 32 39 47 50 41 38 40 35 38 34 Queens 281 302 278 282 274 275 281 280 296 323 313 302 279 RICHMOND: Richmond 23 22 22 16 24 24 34 40 47 47 25 23 22					34						啦	61		73
WmsbrgGreenpt. 49 62 56 60 36 43 65 56 58 68 64 58 59 Brooklyn 490 483 543 558 511 504 557 506 624 609 602 593 631 QUEENS: Astoria-L.I.City 68 69 58 45 49 60 63 69 72 72 60 54 53 Corona 41 41 43 48 44 51 37 50 61 64 61 65 57 Flushing 32 44 34 43 32 30 32 35 37 51 50 57 58 Jamaica East 52 55 46 44 47 42 45 39 55 50 58 46 45 Jamaica West 46 57 55 70 63 45 54 46 33 46 49		μġ												47
Brooklyn									56			64		
QUEENS: Astoria-L.I.City 68 69 58 45 49 60 63 69 72 72 60 54 53 Corona														631
Corona	QUEENS:					7		- / / X	7					
Corona	Astoria-L.I.City	68	69	58	45	149	60	63	69	72	72	60	54	53
Flushing 32 44 34 43 32 30 32 35 37 51 50 57 58 Jamaica East 52 55 46 44 47 42 45 39 55 50 58 46 45 Jamaica West 46 57 55 70 63 45 54 46 33 46 49 42 32 Maspeth-For.Hills 42 36 42 32 39 47 50 41 38 40 35 38 34 Queens 281 302 278 282 274 275 281 280 296 323 313 302 279 RICHMOND: Richmond 23 22 22 16 24 24 34 40 47 47 25 23 22				43		1114							65	57
Jamaica West 46 57 55 70 63 45 54 46 33 46 49 42 32 Maspeth-For.Hills 42 36 42 32 39 47 50 41 38 40 35 38 34 Queens 281 302 278 282 274 275 281 280 296 323 313 302 279 RICHMOND: Richmond 23 22 22 16 24 24 34 40 47 47 25 23 22	Flushing	32		र्या							-			
Jamaica West 46 57 55 70 63 45 54 46 33 46 49 42 32 Maspeth-For.Hills 42 36 42 32 39 47 50 41 38 40 35 38 34 Queens 281 302 278 282 274 275 281 280 296 323 313 302 279 RICHMOND: Richmond 23 22 22 16 24 24 34 40 47 47 25 23 22	Jamaica East			46	144	47	42	45	39	55				45
Mespeth-For.Hills 42 36 42 32 39 47 50 41 38 40 35 38 34 Queens 281 302 278 282 274 275 281 280 296 323 313 302 279 RICHMOND: Richmond 23 22 22 16 24 24 34 40 47 47 25 23 22		46				63	45	54	46					
Queens 281 302 278 282 274 275 281 280 296 323 313 302 279 RICHMOND: Richmond 23 22 22 16 24 24 34 40 47 47 25 23 22			36	42	32			50		38				3 4
RICHMOND: Richmond 23 22 22 16 24 24 34 40 47 47 25 23 22		_												
				<u> </u>							1-3	<u> </u>	.,,	
NEW YORK CITY 1794 1804 1863 1982 1995 1931 1958 1992 2209 2192 2255 2307 2333		23	22	22	16	24	24	3,11	40	47	47	25	23	22
	NEW YORK CITY	1794	1804	1863	1982	1995	1931	1958	1992	2209	2192	2255	2307	2333

PULMONARY TUBERCULOSIS CASES NOT IN SANATORIA, OUT-OF-TOWN According to the Department of Health Register on the last day of the year for each health center district, New York City, since 1938

Health Center				No	ot in	Sanat	oria,	Out-	of-to	WIL			
DISTRICT	1938	1939	1940	1941	1942	19431	1944	1945	1946	1947	1948	1949	1950
MANHATTAN:		_		•									
Central Harlem	22	142	34	34	32	56	29	29	14	10	5	2	Ħ
East Harlem	g	7	g	6	16	6	4	6	14	10	7	13	7
Kips Bay-York	16	13	9	5	9	3	1	2	4	17	14	13	8
Lower East Side.	37	29	21	20	19	3 16	13	11	6	6	8	14	32
Lower West Side.	30	29	33	24	21	32	28	25	18	20	14	22	12
Riverside	36	29 29 36	39	43	49	61	68	65	38	41	भ9	41	26
Washington Hgts.	31	40	30	34	43	35	35	35	16	21	25	18	18
Manhattan	180	196	174	166	189	209	178	173	100	125	122	123	107
BRONX:						4			_				
Ford 'm-Riverdale	22	16	11	12	14	13	15	13 6	11	6	5	7	5
Morrisania	33	27	16	11	7	17	10		10	8	11	9	7
Mott Haven	2	7	g	5 4	13	17	13	18	11	13	16	10	5
Pelham Bay	11	ಕ	7		5	0	9	g	. 4	5	14	1	1
Tremont	34	33	26	19	24	24	25	21	20	11	g	5	9
Westchester	13	16	12	11	14	1	5	11	2	14	, 2	1	0
_Bronx	115	107	8 0	62	77	72	77	77	58	47	46	33	27
BROOKLYN:									_				
Bay Ridge	31	24	25	22	17	15	20	13	16	13 4	7	7	74
Bedford	26	32	28	29	18	14	11	14	ц		4	5	1
Brownsville	19	17	13	19	Ц	3	1	3	2	2	0	2	0
Bushwick	13	21	13	7	13	15	g		0	2	1	2	2
Flatbush	26	28	23	13 6	20	13	15	15	g	12	g	6	7
Fort Greene	9	6	7		10	13	15	7	3	3	0	2	1
Gravesend	15	7	6	5	13	ខ	15	8	3 5 2	3 5 2	1	0	1
Red Hook-Gowamus	6	g	12	12	8	g	13	12		2	5	2	0
Sunset Park	17	9	11	14	12	12	5 14	7	1	2	2	5	3
Wmsbrg Greenpt		_ 11	9	14	11	9		5	4	2	3	3	<u>2</u>
Brooklyn	169	163	147	141	126	110	107	88	45	47	2g	34	21
QUEENS:	_	_					_		_	_			
Astoria-L.I.City	13	16	17	17	9	10	6	2	4	4	1	2	2
Corona	15	11	8	11	10	1	2	1	7	2 2 14	3	2	4
Flushing	7	10	7	10	8	1	1	0	2	2	3 3 8	3	3
Jamaica East	19	12	12	17	17	13	16	55	18	14	g	5	1
Jamaica West	12	17	16	13	15	18	14	12	7	g	6	2	2
Maspeth-For Hills	4	4	5	12	17	11	15 54	11	2	4	3	0	1
Queens	70	70	65	80	76	54	54	48	37	34	24	14	13
RICHMOND:													
Richmond	3	3	0	2	7	3	0	1	0	0	0	0	2
NEW YORK CITY	537	539	466	451	475	ина	416	387	240	253	550	50,1	170

PULMONARY TUBERCULOSIS CASES RECEIVING NO MEDICAL OR CLINIC CARE According to the Department of Health Register on the last day of the year for each health center district. New York City, since 1938

Health Center	I			1	To Med	1003	AT (1)	11910	Coret				
DISTRICT	10701	1070	1940								TOLE	ιαμα	1950
MANHATTAN:	12701	<u>+7.77</u>	17270	1771	1776	ナフマフ	(4744)	+2+7	1770	<u> </u>	1770	147771	<u> </u>
Central Harlem	152	118	142	170	260	218	200	191	246	291	286	277	290
East Harlem	70	55	119	67	86	68	53	52	56	50	74	66	55
Kips Bay-York	29	22	21	21	18	9	5	12	58	60	58	41	37
Lower East Side .	72	74	57	66	81	140	99	158	151	158	216	275	187
Lower West Side .	150	65	56	78	121	129	96	161	170	125	113	122	118
Riverside	127	98	94	64	144	130	52	63	112	111	75	67	56
Washington Hgts	iii	116	75	49	31	49	51	58	105	80	92	9 i	55
Manhattan	711	548	494	515	641	743	<u>556</u>	695	898	875	914	939	798
BRONX:			<u>.,, .</u>		1		77-	-22	-2-	- 1 -		3,00	
Ford 'm-Riverdale.	40	25	20	20	54	24	31	31	29	10	20	13	17
Morrisania	79	60	51	37	34	51	73	31 44	67	69	76	93	74
Mott Haven	45	37	22	4i	26	43	72	56	70	70	100	78	58
Pelham Bay	25	18	21	22	19	ıí	12	20	24	15	25	17	12
Tremont	50	37	20	31	69	23	52	54	39	23	26	23	37
Westchester	33	28	29	33	28	26	31	31	4g	3 <u>¥</u>	110	भूम	14
Bronx	272	205	163	184	230	178	271	236	_277	221	296	268	2 <u>1</u> 2
BROOKLYN:													
Bay Ridge	61	52	43	53	58	58	51	46	36	30 40	27	21	13
Bedford	61	65	43 26	41	67	89	58	57	46	40	54	72	85
Brownsville	40	19	28	32	34 54	61	19	14	12	12	17	17	9
Bushwick	48	40	39	43	54	jłjł	19 34	37	43	45	30	55	. 7
Flatbush	59	28	31	J †5	72	149	47	55	41	43	58	69	43
Fort Greene	86	30	37	46	36	32	43	43	61	42	48	33	34
Gravesend	60	5,1	29	27	30	22	35	23	20	31	28	31	17
Red Hook-Gowanus.	61	25	30	42	28	26	30 63	39	31	14	9	7	9
Sunset Park	27	28	29	30	39	39		47	41	25	21	20	15
WmsbrgGreenpt	36	39	41	34	45	<u>35</u>	<u>31</u>	<u> 25</u>	30	23	30	<u> 36</u>	34
Brooklyn	539	<u>350</u>	333	<u> 390</u>	463	455	411	386	361	305	322	328	266
Queens:					Ì.,					_	_		_
Astoria-L.I.City.	39	10	14	16	149	24	39 42	20	12	6	3	1	1
Corona	41	35	51	22	31	31		22	31	20	13	13	11
Flushing	29	35	23	24	21	31	37 34	21	28	25	11	12	11
Jamaica East	41	45	36	27	24	33	34	23	39	25	23	23	42
Jamaica West	50	34	21	13	32	23	50	22	36	33	18	5,4	48
Maspeth-For Hills	27_	<u> </u>		12		28	33		. 39	27	27	25	25
Queens	227	<u> 161</u>	134	114	187	<u> 170</u>	235	125	185	136	95	98	138
RICEMOND:	_	_4								• -			^
Richmond	21	34	30	28	11	13	11	17	18	12	13	16	9
NEW YORK CITY	1770	1298	1154	1231	1532	1559	1484	1459	1739	1549	1640	1649	1423
+Donatains flat has	-11		1	4	44	44	anal .	~~ ~~	11007	0020			

[†]Remaining "at home" not under clinic, institutional or medical care.

TUBERCULOSIS MORTALITY

NEW YORK CITY

1898-1950

TUBERCULOSIS MORTALITY, NEW YORK CITY, SINCE 1898+

	Mal	9	Fena.	le			Pers			.
	Deaths	Rate	Deaths	Rate	Respir	atory	Other 1		All F	orms
Year		 +		•	Deaths	Rate	Deaths		Deaths	Rate
1898	5,445	335	3.785	230	7.724	236	1,506	46	9.230	282
1899	5,720	343	3.817	226	8,015	239	1,522	45	9.537	284
1900	5,783 5,7 8 0	338 328	3.847 3.620	222 202	8.154 8.135	237 2 2 9	1,476 1,265	43 35	9,630	280 264
1902 1903	5,355 5,602	59 ₁ t	3.531	191	7.569	206	1.317	36	8.886	242
1904	6,023	299 31 0	3.707 3.750	195 192	8,020 8,512	212 218	1.289	34 32	9.309 9.773	246 250
1905 1906	5,944 6,337	297 305	3.718 3.864	184 185	8,535 8,955	21 2 21 5	1,127	28 30	9,662	240 245
1907	6,476	300	3.787	176	8.999	209	1,264	29 29	10,263	238
1908	6.367	285	3.793	170	8,869	198	1,291	29	10,160	227
1909	6,297 6,352	272 266	3.616	156	8,643	187	1.270	27 ~~	9.913	214
1910	6,548	269	3.722 3.702	156 152	8,692 8,790	182 180	1,382	29 30	10,074	211 210
1912	6,465	261	3,516	142	8,591	173	1,390	28	9,981	201
1913 1914	6,362 6,716	252 262	3.669 3.574	145 139	8,601	171 173	1,430	28 27	10,031	199 200
1915	6,638	254	3,611	138	8.825	169	1,424	27	10,249	196
1916 1917	6,185 6,607	233 245	3.463 3.535	130 131	8,411 8,825	159 164	1,237	23 24	9.648	182 188
1918	6,318	231	3.780	137	8.779	160	1,319	5,1	10.098	184
1919	5.346	192	3,152	113	7.395	132	1,103	20	8,498	152
1920 1921	4,211 3,523	149 122	2,924	103 82	6,165 5,143	109 8 9	970 7 7 9	17 13	7,135 5,922	126 102
1922	3,515	119	2,287	77	5.033	85	769	13	5.802	98
1923 1924	3.377	111	2,296	76	4,951	82	722	12	5.673	94
1924	3,300 3,274	107 104	2,287	74 70	4,780 4,776	77 76	807 699	13 11	5,587	90 87
1926	3,305	102	2,203	68	4,828		680	10	5.508	85
1927	3,043	92	2,097	64	4,444	75 67	696	11	5.140	78
1928	3.239 3.131	96 91	2,087	62 59	4,636 4,507	69 66	690 653	10 9	5,326 5,160	79 75
1930	3,131	90	1,958	56	4.457	64	632		5,089	73
1931 1932	3,044 2,849	87 81	1.878	54 48	4.370 3.997	62 57	552 543	9 8 7	4,922	70 64
1933	2,891	82	1,686	47	4.056	57	521	7	4.577	64
1934	2.825	79	1.595	11,1	3.950	55	521 470	7 7	4,420	62
1935	2,777 2,951	78 82	1,594	745 744	3,968 4,170	55 57	403 415	6 4	4.371	61 63
1937	2.815	78	1.449	39	3.931	54	333		4,264	58
1938	2,526	69	1.307	35 34	3,481	54 47	352	5 14	3,833	52
1939	2.537	6 9	1,277	"	3,494	47	320	4	3.814	51

TUBERCULOSIS MORTALITY, NEW YORK CITY, SINCE 1898*

	Ma.	le	Femal	le			Perso	ns		
Year					Respire	atory	Other I	orms	All Fo	STT18
	Deaths	Rate	Deaths	Rate	Deaths	Rate	Deaths	Rate	Deaths	Rate
		_ 🕇		, †		†		+		<u>†</u>
1940	2,394	65	1,233	33	3,323	45	304	Ή .	3,627	49
1941	2,459	67	1,256	33	3.372	45	343	5	3.715	49 46
1942	2.359	64	1,143	30	3,228	43	274		3,502	46
1943	2,465	66	1.195	31	3,343	1414	317	3	3,660	¥g
1944	2,367	63	1,167	30	3,250	42	284	4	3,534	46
1945	5.448	65	1,065	27	3,211	42	302	4	3,513	46
1946	2,230	59	1,015	26	2,997	39	548	3	3,245	42
1947	2,186	5g	942	24	2,920	3g	208	ź	3,128	40
1948	2,202	58	910	23	2,880	37	232	3	3,112	40
1949	1,814	¥g	763	19	2,388	30	189	3 3	2,577	33
1950	1,718	45	603	15	2,154	27	167	2	2,321	29
1951	•	_		•		•	,			_
1952										
1953										
1954										

^{*}Date of consolidation of Manhattan, Bronx, Brooklyn, Queens and Richmond into City of New York. †Per 100,000 population.

TUBERCULOSIS MORTALITY, NEW YORK CITY
Annual Average During Five-Year Periods Since 1900

	Ma.	le	Fema.	le			Perso	ns		
Year		•		:	Respire		Other E		All Fo	
	Deaths	Rate	Deaths	Rate	Deaths	Rate	Deaths	Rate	Deaths	Rate
1900-04	5,709	<u> </u>	3,691	200	8,078	. † 220_	1,322	<u>†</u> ,	9,400	<u> </u>
1905-09		_	3,756		8,800	204	1,240	29	10,040	233
	6,489	_		_			1,407	28	10,125	ررء 2014
1910-14	_		3,637		8,718	176	,		-	
1915-19	6,219	231	3,508	130	8,447	156	1,280	5,1	9,727	180
1920-24	3.585	121	2,439	82	5,214	88	810	13	6,024	101
1925-29	3,198	97	2,124	65	4,638	71	684	10	5,322	gl
1930-34	2,948	84	1.762	50	4,166	59	544	g	4,710	67
1935-39	2,721	75	1.452	39	3.809	52	364	5	4,173	57
1940-44	2,409	65	1,199	31	3,303	沝	305	14	3,608	48
1945-49	2,176	58	939	24	2.879	37	236	3	3,115	40
1950-54 †Per 100.000					ļ 					

					OSTO TR	ATHO,	TATEM IOT	RK CITY, 1	898-19	20		
		Men-	In-	Aet-						1		
_	Res-	inges.	tes-	te-		Lym-	Genito			Dissemi-	All fo	rms
Year	_	cent'l	tines,	bral	_	phat-		Skin, sub-		nated,	of	
	tory	nerv.	peri-		Bones,	1		cutaneous		miliary,	Tubercu	
7.00 a	syst.	system	toneum	umn	joints	syst.		cell.tis.	organs	unspec.	Deaths	
1898		864	62#			-					9230	282
1899 1900	8015	864	45#			-	- 613 -				9537	58 / 1
		875	50#		01#	T**		die '		1 255	9630	280
1901	8135	750	1659	29 46	21*			145 -		155	9400	56 1 4
1903	7569 8020 8512	794 81 2	178 192	60	27 36			157 ~ 111 -		115 78	8886	5,46 5,45
1904	8512	742	183	70	40		_	45 -		81	9309 9773	250
1905	8535	6)1)1	185	58	43		- 1	141 -		56	9662	240
1906	8955	765	185 196	58	43 51 56 46		-]	120 -		56 56 44	10201	245
1907	8999	755 815	179	74	56		- 1	L34 -		66	10263	238
1908	8869	815	179 177	78	46		- 1	131 -		144	10160	227
1909 1910	8643	806	171	58	45		- 1	129		71.	9913	214
1510	8692	801	173 161	85 71	32**		-	97+-		194	10074	211
1911 1912	8790	870	TOT	71	か		-	94 - 80 -		229 214	10250	210 201
1913	8591 8601	789 797	195 187	75 71	45 325 37 35 39 34 34 14 14 14 14 14 14 14 14 14 14 14 14 14		_	80 - 98 -		5,45	9981 10031	199
1514	8918	726	163	63	70 70		_	83 –			10290	200
1615	8825	726 780	134	63 62	孤		_	79 <u>-</u>		307 335 276	10249	196
1915 1916	8411	683	134 128	48	34		_	79 - 68 -		276	9648	182
1917	8825	68Ŏ	134	48	41		_	95 -		319	10142	188
1918	8779	762	154	66	3 0		-	78 –		233	10098	18 ¹ 4
1919	7395 61 6 5	581	138	45	3 0		- 1	106 -		203 166	8498	15 2
1920	6165	509	130¶ 124	45 57 49	<u> 35</u>		-	73 -		166	7135	126
1921 1922 1923 1923 1924 1927 1927	5143	383	124	49	30 35 27 14		-	65 -		131 145	5922	102
1027	5033	405	100	37 37 49 44	10		_	68 - 60 -		165	5802 5673	98 94 90 87
1054	4951 4780	351 366	99 114	댎	25		-	50 -		203	5587	90
1525	4776	320	90	ήή	25 14		_	67 -		164	5475	87
1926	4828	308	90 71	149	23 20		-	66 -		169	ちちのダ	85
1927	मोग्रो	292	101	<u>38</u>	50		-	66 -		179	5140	78
1928	4636	294	98 83	49 38 35 41	18		-	59 - 67 -		186	5326	<u> 19</u>
1929	4507	218 240	85	41 117	18 15 15 34		-	97 - 75 -		129 171	5160	85 78 79 75 73
1930 1931	4457 4370	206	88 79	43 50	払	13	<u> 3</u> 6	19 -	10	122	5089	76
1932	3997	187	11	42	ģ	-6		ц	ĩ4	168	4540	6 ¥
1933	3997 4056 3958 4170 39481 33494 33372 3250 3211	187 188 144 163 139 111 119 127 87 114 95 88 95	<u> </u>	42 43 43 43 43 43 43 43 43 43 43 43 43 43	8 22 19 16 22 16 20 8 11	9	4352423943394	2	10	168 131 136 77 70 47 74 57 63 50 57 61 74	4577	64421382199488466 5555444866
1935	3950	144	72	43	19	989106	42	203011110211	106 76 14 54 14 12 7 17 9	136	4420	62
1935	3968	163	45	#2	16	1,2	<u>34</u>	3	Į	77	4371	61
성설	41 \(\text{O} \)	159	{1/2	#2	16	16	20 20	Ų	ıμ	10	11261	68 63
7070	בע על דל לכ	110	ן אַנ	אר סכ	2 ∪	10	ת בכ	i	۲ .	7½	7207	50 50
1636	ATION 140T	127	1 27	70	Ž.	Ĩĭ	7 <u>0</u>	i	14	紅	7874	51
1940	3323	E7	49	砭	ıĭ	5	39	ī	14	57	3627	49
1941	3372	114	41	41	11	17	椞	Ō	12	63	3715	4ģ
1942	3228	95	36	37	g	9	<i>3</i> 0	2	7	50	3502	46
1943	3343	95	Hg	37 33 40	8 19 8 9 3 1	10 5 17 9 4	43	1	17	57	3660	48
19hf	3250	88	38	40	g		35	1	9	61	3534	46
1945	3211	95	41	38	9	7	26		11	74	3513	46
1946	2997 2920 2880	78	27	25	3	7	23	0	15 14	70	3245	42
1947	2920	69	23	26	1	7 4 6	26	1	14	jjt	3128	40 40
333556788844844444495 3335567888448444444495 34444495	5880	78 69 93 80 67	16	38 25 26 26 12	1	6	30 43 35 26 23 26 27 18	0 1 0 0	9	70 44 54 51 58	4522 4540 4540 4570 4585 4264 3814 3627 3512 35128 35128 3512 35128 2577 2521	40
1949	2388 2154	80	14 6	15	3 1	3	18	Ō	4)•	51	2577	33 29
<u> 1950</u>	2154	<u> </u>	<u> </u>	8	<u> </u>	<u> </u>	18	0	H	58	<u> 2321</u>	29

†Prior to 1910, tuberculosis of larynx included with "other organs". ‡Tabes mesenterion (mesenteric glands), 1898-1900. ¶Abdominal tuberculosis, 1901-1920. *Cold abscess (bones), white swelling (joints) 1901-1909. **White swelling, 1910-1920. †Per 100,000 population. Note: Since 1898 several changes in medical classification and terminology have taken place.

Based on reports of Bureau of Records and Statistics, Department of Health, N.Y.City.

TUBERCULOSIS MORTALITY BY BOROUGHS, NEW YORK CITY, SINCE 1898

	_	No	mber of	Death	3*			Deat	h Rate	per 100	,000	
	Man-		L .			New	Man-		L.			New
Year			Brook-	h	Rich-	York			Brook-	.	Rich-	York
1991	tan (a)	(ъ)	lyn	Gueens	mond	City	tan (a)	(ъ)	lyn	Queens	mond	City
18981		955	2930	270	355	9230		571	268	204	243	282
1899†		1005	2980	279 237	155 151	9537	273 284	546	263	163	231	284
1900	5108	1051	_	318	160			l -	=	I -		280
1901#	_	1189	2993 2860	3 <u>3</u> 2	148	9630 9400	275 2 5 5	521 555	256 237	207 205	238 217	264
1902		1236	2725	269	145	8886	231	543	219	158	209	242
1903	4725	1381	2802	253	148	9309	235	571	219	141	210	246
1904	74808	1490	3049	299	127	9773	233	5 7 9	231	158	177	250
1905	4835	1514	2812	321	180	9662	228	552	206	161	246	240
1906	5162	1536	2951	349	203	10201	239	509	208	162	269	245
1907	5254	1556	2929	356	168	10263	239	469	199	154	215	238
1908	5164	1603	2879	321	193	10160	230	/ ///////////////////////////////////	188	129	239	227
1909‡	4943	1711	2729	352	176	9913	215	427	172	131	510	214
1910	4789	1896	2814	406	169	10074	205	433	171	141	195	211
1911	5080	1680	2883	414	193	10250	218	35 9	171	135	215	210
1912*		1693	2830	413	170	9981	210	339	164	127 146	183	201
1913 1914	5302 5351	1005	3052 3111	503 584	169 1 8 2	10031 10290	229	189 189	173 173	160	176 183	199 200
•	-		-	T		_	232		_	164	_	
1915 1916	5246 4881	1052 1003	3148 2948	630 618	173 198	3648 10549	227 212	178 161	171 157	154	169 188	196 1 8 2
1917	4917	1179	3195	656	195	10142	214	180	166	156	179	188
1918	4987	1117	3078	705	211	10098	218	163	157	160	189	184
1919	4188	1017	2562	553	178	8 49 8	183	142	128	120	155	152
1920	3411	796	2253	545	130	7135	151	105	110	109	110	126
1921	2886	664	1830	393 426	149	5922	130	82	87	70	121	102
1922	2785	673	1768		150	5802	128	78	82	69 64	118	98
1923 1924	2720	656 604	1751	435	111 116	5673	127	72 63	79	65	85 86	90
_	2695		1696	476		5587	128	•	75	I -		
1925	2513	721	1614	508	119	5475	122	71	70 68	64	g6 g0	87
1926 1927	2575	721 717	1608 1477	476 507	128 107	5508 5140	127 118	67 64	61	56 55	89 73	85 78
1928	2332 2498	690	1499	514	125	5326	129	59	61 61	53	83	79
1929	2324	695	1487	545	109	5160	122	57	59	53	76	78 79 75
1930	2345	702	1,1,15	504	96	5089	126	55	5 6	46	60	73
1931	2312	645	1344	539	82	4922	124	50	52			7 6
1932	2147	578	1344 1245	539 1498	72	4540	115	50 45	52 48	并 , , , , , , , , , , , , , , , , , , , 	51 44	70 dd dd
1933 1934	2105	652	1248	488	84	4577 4420	112	50 45	14g	42	51	64
1934	2028	599	1205	500	88	4420	108	45	46	43	53	62
1935	1983	557 642	1246	522	63	4371	106	42	47	<u> </u>	38 49	61 63
1936	2100	642	1269	491	83	4585	112	Яg	4g	140	49	63
1937	1979	569	1170	486	60	4264	105	42	##	39	35	58 52
1938 1939	1741 1734	522 524	1074 1054	440 421	56 81	3833 3814	92	38 38	40 39	35 33	33 47	52 51
+222	1177	J27	1077	TC.I	91	"	""	ا ا	77	<u> </u>		

TUBERCULOSIS MORTALITY BY BOROUGHS, NEW YORK CITY, SINCE 1898

-		. Nh	mber o	f Death	B*		Ì.	Dea	th Rate	per 10	000,0	
	Man- hat-						Man-					
Year	tan	Bronz	Brook-		Rich-	New York	hat- tan	P-0	Dun al-		Rich-	New York
	(a)	(b)	lyn	Queens	mond	City	(a)	Bronx (b)	Brook- lyn	Queens		City
1940	1633	434	1079	420	61	3627	86	31	40	32	35	49
1941	1689	467	1047	437	75	3715	I	33		33	42	149
1942	1550	488	968	7150	76	3502	81	35	39 36 35 36	31	43	46
1943	1623		960	447	92	3660	85	38 34	35	32	51 61	148
1944	1522	486	978	438	110	3534	79	34	36	31	61	46
1945	1550	520	922	1409	112	3513	80	27	7)1	200	61	46
1946	1437	454	886	378	90	3245	74	37 32	34 33	29 26	149	42
1947	1401	442	799	412	74	3128		31	29	28	40	40
1948	1482	387	799	365	79	3112		27	29	24	75	40
1949	1237	311	652	292	85	2577	63	21	29 24	19	45	33
1950	1084	272	618	292	55	2321	55	19	23	19	29	29
1951		-,-		= , =		-)		~		19	[
1952												
1953												
1954]										

*Prior to 1913 institutional deaths were charged to place of occurrence, tending, as in (a), to lower Manhattan and, as in (b), to raise Bronx mortality; thereafter were corrected for residence. †City total incomplete by 35 in 1898 and by 40 in 1899; higher borough figures corrected from subsequent information. ‡Excluding 16 scrofula deaths in 1901, 1902 and 1909, unknown as to borough residence but included in city totals.

TUBERCULOSIS MORTALITY BY BOROUGHS, NEW YORK CITY Annual Average During Five-Year Periods, Since 1900

	_		Nur	ber of	Death	в		Des	ath Rate	per 10	000,000	-
	Man-			<u> </u>	i i	New	Man-	ĺ]	New
Year	hat-		Brook-				hat-		Brook-		Rich-	
	<u>_tan</u>	Bronx		Queens	mond	City	tan	Bronx	lyn	Queens	mond	City
1900-04	4805	1269	2886	294	146	9400	246	557	232	172	210	256
1905-09	5072	1584	2860	340	184	10040	230	478	194	147	235	233
1910-14	5079	1467	2938	464	177	10125	219	294	171	142	190	204
1915-19	护器抗扑	1074	29 8 6	632	191	9727	211	164	156	150	176	180
1920-24	2899	679	1860	455	131	6024	133	79	8 6	74	10,1	101
1925-29	5 <i>f</i> 1 <i>f</i> 18	709	1537	510	118	5322	124	63	64	56	80	gı
1930-34	2188	635	1297	506	814	4710	117	149	50	45	52	67
1935- 3 9	1907	563	1163	472	68	4173	101	41	īті	38	40	57
1940-44	1603	483	1007	432	83	3608	g4	34	37	32	46	48
1945-49	1421	423	812	371	88	3115	73	29	30	25	47	40
1950-54												

DEATHS FROM TUBERCULOSIS BY CALENDAR MONTHS New York City, Since 1920

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Total
1920 1921 1922 1923	679 555 521 491 497	778 480 528 540 461	749 634 545 583 540	678 564 568 549 514	664 547 541 543 537	572 511 533 469 473	550 471 436 463 410	519 438 450 416 415	471 416 398 373 424	474 407 406 409 419	491 431 434 383 404	510 468 442 454 463	7135 5922 5802 5673 5587
1925 1926 1927 1928 1929	505 478 450 478 524	464 478 448 460 453	540 560 540 547 441	508 544 551 512 455	572 497 475 532 460	442 494 417 447 445	学 学 学 第9 397 425	405 381 376 416 360	392 385 364 370 369	375 368 337 394 443	411 431 380 371 353	419 448 393 402 432	5475 5508 5140 5326 5160
1930 1931 1932 1933 1934	438 493 404 448 375	386 386 368 368 393	496 460 471 411 413	490 469 428 380 396	507 466 444 405 413	441 398 374 419 362	402 422 399 356 360	406 370 357 362 333	375 358 347 335 333	377 410 315 339 352	344 341 307 369 318	427 349 326 385 372	5089 4922 4540 4577 4420
1935 1936 1937 1938 1939	411 398 397 335 360	315 416 400 322 305	409 415 428 381 365	401 389 382 385 331	433 423 386 346 335	343 370 373 341 310	365 364 340 278 298	342 374 311 290 325	303 331 323 273 285	362 359 297 298 291	332 340 297 293 292	355 406 330 291 317	4371 4585 4264 3833 3814
1940 1941 1942 1943	297 317 330 321 340	301 316 304 264 295	364 321 323 343 303	343 332 315 330 313	346 333 326 315 324	320 335 288 319 278	337 327 273 323 311	278 311 254 293 285	253 237 263 260 243	259 281 270 293 258	273 291 271 249 283	256 314 285 350 301	3627 3715 3502 3660 3534
1945 1946 1947 1948 1949	274 326 264 271 229	302 257 257 270 197	327 302 292 328 236	293 280 289 307 210	312 320 284 292 240	318 261 222 255 239	260 245 248 241 223	285 254 241 277 224	261 228 233 214 186	310 247 277 222 176	259 265 254 201 228	312 260 267 23 ¹ 189	3513 3245 3128 3112 2577
1950 1951 1952 1953 1954	218	164	288	202	196	196	181	152	180	193	157	194	2321

DEATHS FROM TUBERCULOSIS BY CALENDAR MONTHS, NEW YORK CITY Average Monthly During Five-Year Periods. Since 1920

Month	Jan.	Feb.	Mar.	Apr.	Kay	June	July	Aug.	Sep.	Oct	Nov.	Dec.	Total
Period: 1920-24	549	557	610	5 8 1	566	512	466	hji8	416	423	429	467	6024
1925-29	487	461	526	514	507	क्रीन	423	388	376	383	389	419	5322
1930-34	432	380	450	433	447	399	388	365	349	359	336	372	4710
1935-39	380	351	400	378	385	347	329	328	303	321	311	340	4173
1940-44	321	296	331	327	329	308	314	284	251	272	274	301	360g
1945-49	273	257	297	276	290	259	243	256	224	247	241	252	3115
1950-54										,			 t

AVERAGE MONTHLY TUBERCULOSIS DEATH RATES*, NEW YORK CITY Five-Year Periods, Since 1920

Month	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Yeart
Period:	_		_			•			-				
1920-24	107	151	119	117	111	103	91	88	84	83	87	91	101
1925-29	86	90	93	94	90	82	75	6 8	69	68	71	74	81
1930-34	71	69	74	74	74	68	64	60	60	59	57	61	67
1935-39	. 60	62	63	62	61	57	52	52	50	51	51	54	57
1940-44	149	50	51	52	51	49	4g	孙	40	42	43	46	48
1945-49	41	42	111 1	43	43	40	36	38	35	37	37	38	140
1950-54													-

^{*}Rates per 100,000 population for 30-day month. †Full year.

COLORED AND WHITE TUBERCULOSIS MORTALITY, NEW YORK CITY, SINCE 1898

		Numbe	of De	aths	•		Death R	ate per l	00.000	
Ī					White	1				White
Year		Other*	Total		and	l '	Other*	Total		and
	Negro*	Colored	Colored	White	Colored	Negro*	Colored		White,	Colored
1898		•••	309	8,921	9,230	T	•••	487	278	282
1899			316	9,221	9,537		•••	483	580	284
1900	•••		362	9.268	9,630			536	274	280
1901			357	9.043	9,400	• • •		511	260	264
1902			378	8,508	8.886		•••	522	237	242
1903			403	8,906	9.309	l			240	246
1904	• • •		469	9.304	9,773			537 603	243	250
1905	450	70	j189	9,173	9,662	606	607	606		240
1906	447	39 41	488		10,201		644		233	245
1907	460	76	496	9,713	10,263	577 568		582 568	238	
1908	508	36 31		9,621	10,265	601	571	594	231 220	238
1909	517	32	539 549	9,364		585	497 520	581	206	227 214
	- •		-	- •	9,913					
1910	522	45	567	9.507	10,074	561	743	572	203	211
1911.	594	33 36	627	9.623	10,250	598	526	594	202	210
1912	58 8	36	624	9.357	9.981	557	555	55,7	193	201
1913	595	38	633	9.398	10,031	532	566	534	191	199
1914	645	28	673	9.617	10,290	546	भ०भ	538	192	200
1915	653	41	694	9.555	10,249	525	574	528	188	196
1916:	578	31	609	9.039	9.648	1443	421	jij15	175	182
1917	580	30 14	610	9.532	10.142	424	396	#22	181	188
1918			686	9.412	10,098	11,110	563	455	176	184
1919	706	51	757	7,741	8,498	473	637	481	143	152
1920	596	53	649	6,486	7,135	370	633	383	118	126
1921	ӊ в ӊ	53 62	546	5.376	5.922	272	698	292	96	102
1922	5 56	57	613	5,189	5,802	285	607	300	90	98
1923	533	58	591	5.082	5.673	251	586	266	87	94
1924	600	53	653	4.934	5,587	262	509	272	83	90
1925	743	53	796	4.679	5.475	301	485	309	77	87
1926		53 60	717	4.791	5,508	5,110	524	261	78	85
1927	736	 149	785	4.355	5.140	262	410	268	6 9	78
1928	823	43	866	4,460	5,326	276	345	279	70	79
1929	789	52	841	4.319	5,160	251	345 401	257	70 66	75
1930	971	46	1,017	4,072	5,089	293	295	293	62	73
1931	999	74	1,073	3.849	4,922	290	464	298	58	76
1932	952	53	1,005	3.535	4,540	267	325	269	53	64
1933	967	57	1,024	3.553	4.577	261	342	265	53	64
1934	955	57	1,012	3.408	4,420	249	335	253	50	62
1935	1,034	70	1,104	3.267	4.371	261	403	267	48	61
	1.076	70	1,146	3.439	4,585	263	395	268		63
	1,055	62	1,117	3.147	4,264	250	343	2514	50 46	58
1938	904	47	951	2,882	3.833	208	255	209	42	52
1939	982	5i	1,033	2,781	3,814	219	271	221	40	51
	<u> </u>		<u> </u>		<u> </u>	<u> </u>	<u> </u>	<u>'</u> l	<u> </u>	

COLORED AND WHITE TUBERCULOSIS MORTALITY, NEW YORK CITY, SINCE 1898

		Numb	er of De	aths			Death R	ate per	100,000	0
Year	Negro*	Other*	Total Colored	White	White and Colored	Nagro*	Other*	Total		White and Colored
1940 1941 1942 1943 1944	929 939 877 917 952	58 74 59 65 61	987 1.013 936 982 1.013	2.640 2.702 2.566 2.678 2.521	3.627 3.715 3.502 3.660 3.534	199 190 168 166 164	301 367 280 296 267	204 197 172 171 168	38 39 37 38 36	46 46 46 46
1945 1946 1947 1948 1949	939 829 899 914 798	66 58 44 56 44	1.005 887 943 970 842	2,508 2,358 2,185 2,142 1,735	3.513 3.245 3.128 3.112 2.577	15 ¹ 4 130 135 131	278 236 173 212 161	159 134 136 134 112	36 33 31 30 24	46 42 40 40 33
1950 1951 1952 1953 1954	683	34	717	1,604	2,321	90	121	92	23	29

^{*}Negro and other colored not available separately, 1898-1904.

COLORED AND WHITE TUBERCULOSIS MORTALITY, NEW YORK CITY Annual Average Five-Year Periods Since 1900

		<u>Num</u>	ber of D	eaths			Death Ra	_ ate per 1	100,000)
Year	Negro*	Other*	Total Colored	White	White and Colored	Negro*	Other*			White and Colored
1900-04	*	*	394	9,006	9.400	•	•	544	251	256
1905-09	476	36	512	9,528	10,040	589	568	587	225	233
1910-14	589	36	625	9,500	10.125	558	555	558	196	SO ₇ †
1915-19	632	39	671	9.056	9,727	462	520	465	172	180
1920-24	554	56	610	5,414	6,024	28j4	598	298	94	101
1925-29	750	51	801	4,521	5,322	267	432	274	72	g1.
1930-34	969	57	1,026	3,684	4,710	271	392	276	55	67
1935-39	1010	60	1,070	3,103	4,173	239	332	243	45	57
1940-44	923	63	986	2,622	3.608	176	299	181	37	48
1945-49	876	53	929	2,186	3.115	131	208	134	31.	40
1950-54									1	

^{*}Negro and other colored not available separately, 1898-1904.

NEGRO TUBERCULOSIS DEATHS AND DEATH RATES BY BOROUGHS New York City, Since 1925

Year	Manh	ttan	Bro	ΛX	Brook	clvn	Опе	90 - JC.	Richmo	nnd+	New Yo	rk City
	Deaths		Deaths		Deaths		Deaths		Deaths			
1925	540	316	48	524	132	255	18	146		241	743	301
1926	110 9	274	5,1	241	112	202	1g	132	5 4	183	657	249
1927	554	286	30	279	120	203	31	207	1	144	736	262
1928	622	303	36	312	130	208	28	172	7	293	823	276
1929	600	278	25	203	122	184	33	187	9	361	789	251
1930	700	309	47	356	184	263	35	186	5	193	971	293
1931	730	315	47	330	180	5/1/1	35 36	184	5 6 6	193 224	999	290
1932	713	296	38 46	248	156	201	39 34 54	193	6	217	952	267
1933	709	285		281	174	214	29	138	9	317	967	261
1934	670	262	41	235	181	212	54	249	9	308	955	5,113
1935	749	284	ग्री	238	204	229	3 5	156	2	67	1034	261
1936	758	280	35	179	226	243	52	225	5	162	1076	263
1937	752	270	29	141	214	221	52	218	2 5 8 5 7	252	1055	250
1938		227	26	120	184	183	42	171	5	154	904	208
1939	692	236	26	114	217	208	40	158	7	210	982	219
1940		210	25	98	232	211	37	139	5 7	145	929	199
1941	654	212	&£	88	214	178	3 5	120	7	192	939	190
1942		181	45	112	207	159	41	130	8	208	877	168
1943	602	184	61	128	201	143	41	120	12	297	917	166
1944	580	173	85	154	223	148	49	133	15	354	952	164
1945	597	174	85	136	189	118	51	130	17	383	939	154
1946	519	147	76	109	184	108	39 46	93	11	237	829	130
1947	537	149	97	125	208	115		103	11	228	899	135
1948	558	151	91	107	550	115	37	79	8	159	914	131
1949	504	133	77	8 ₇ 1	173	86	38	77	6	115	798	110
1950	387	100	55	55	197	93	40	77	Ħ	74	683	90
1951				•								
1952												
1953												
1954												

*Per 100,000 Negro population. †Wide fluctuation in rates due to small numbers.

NEGRO TUBERCULOSIS DEATHS AND DEATH RATES, BY BOHOUGHS, NEW YORK CITY Annual Average During Five-Year Periods Since 1925

Period	Manhat	tan	Bro	DX.	Brook	clyn	Quee	ŊS	Rich	nond	New Yo	rk City
	Deaths	Rate*	Deaths	Rate*	Deaths	Rate	Deaths	Rate*	Deaths	Rate*	Deaths	Rate*
1925-29	563	291	33	303	123	209	26	171	5	227	750	267
1930-34	704	292	1414	286	175	226	39	191	7	254	969	271
1935-39 1940-44	720	259	32	155	209	216	144	185	5	170	1010	239
	609	192	149	122	215	165	41	130	9	234	923	176
1945-49	543	150	85	110	195	108	42	94	11	228	876	131
1950-54		-						-				-

*Per 100,000 Negro population.

NONWHITE TUBERCULOSIS DEATHS BY BOROUGHS, NEW YORK CITY, SINCE 1898

Year	Manhattan	Bronx	Brooklyn	Queens	Richmond	New York City
1898 1899	198 180	19 51	70 71	18 11	4 3	309 316
1900 1901 1902 1903	195 204 191 232 283	57 71 76 77 66	94 76 92 84 102	9 4 11 6 12	7 8 4 6	362 357 378 403 469
1905 1906 1907 1908	262 313 316 3 1/1 350	107 68 57 71 75	100 93 105 106 101	16 9 14 11 17	4 5 7 7	4 <i>8</i> 9 488 496 539 549
1910 1911 1912 1913†	363 417 427 466 491	80 53 66 31 29	10 ¹ 4 128 111 112 132	16 22 14 17 17	4 7 6 7 4	567 627 624 633 673
1915 1916 1917 1918 1919	475 440 413 511 565	36 22 16 23 34	154 122 149 131 121	29 23 25 12 27	0 2 7 9 10	694 609 610 686 7 57
1920 1921 1922 1923	470 416 469 454 503	29 18 22 18 18	129 95 94 101 112	14 9 18 9 16	7 8 10 9 4	649 546 613 591 653
1925 1926 1927 1928 1929	590 545 596 659 648	49 26 31 38 25	133 122 126 133 124	19 20 31 29 35	5 1 7 9	796 717 785 866 841
1930 1931 1932 1933 1934	739 798 759 757 719	47 48 39 47 43	190 185 158 182 186	35 36 43 29 55	6 6 9 9	1,017 1,073 1,005 1,024 1,012
1935 1936 1937 1938 1939	807 819 807 686 736	47 36 30 28 29	213 233 219 189 220	35 52 53 43 41	2 6 8 5 7	1.104 1.146 1.117 951 1.033

NONWHITE TUBERCULOSIS DEATHS BY BOROUGHS, NEW YORK CITY, SINCE 1898

Year	Manhattan	Bronz	Brooklyn	Queens	Richmond	New York City
1940	683 721 623 657 636 657 566	26 31 48 63 85 86	236 218 213 205 226 194	37 36 44 43 51	5 7 8 14 15	987 1,013 936 982 1,013
1945 1946 1947 1948 1949	575 609 5 ⁴ 3	79 97 93 79	191 212 222 176	51 40 47 38 38	11 12 8 6	887 943 970 842
1950 1951 1952 1953 1954	¥20	55	197	<u>†</u> 17	14	717

*Negro and other colored. †Beginning with 1913 deaths corrected for place of residence.

NONWHITE* TUBERCULOSIS DEATHS BY BOROUGHS, NEW YORK CITY Annual Average During Five-Year Periods Since 1900

Year	Manhattan	Bronx	Brooklyn	Queens	Richmond	New York City
1900-04	551	70	90	g	5	394
1905-09	317	76	101	13	5	512
1910-14	433	52	117	17	6	625
1915-19	481	26	135	23	6	671
1920-24	462	21	106	13	8	610
1925-29	607	34	128	27	5	801
1930-34	75 ¹	45	180	40	7	1.026
1935-39	771	34	215	45	5	1.070
1940-44	664	50	220	42	10	986
1945_49	590	86	199	43	11	929
1950-54						

^{*}Negro and other colored.

TUBERCULOSIS MORTALITY, NEW YORK CITY

AGE, SEX, COLOR

1898-1950

Age	0-4	5-1	10	ing"	~	LOE	170	- 7E	l lio	lie	FO	EE	160	65-	70	75	σn	QC.	All
Year:	U-4	12-1	10-	177-	20-	49-	1 70~	1 22~	40-	42-	<u> </u>	1 22-	100-	07-1	/U- i	15-	- 00	امکد	Ages
1898	598	80	נגו	100	560	(1)	1621	17	187)	17	09)	12	91)	(16	'n١	(H)	ι\	6	5,445
1899	588	78			513						37)		56)	(17		(4)		3	5.720
10//	700	10	70	222	כדכ	(+ 1	0201	(+•	נסככ	M.	211	()	707	(1)	0,	(+.	-/	כ	3,120
1900	610	86	50	201	527	(1.	628)	(1.	zho)	17	67)	13	65)	(17	(O	(38	()	ı	5.783
1901	504	89	43	230					663					92		30	7	ō	5.780
1902	463	83		236		651	822	748	643	105	709	191		63	¥5 45	20	6	3	5,355
1903	441	97		263			819		611	ILKS	702	510	148	66	43	17	2	3	5.602
1904	450	95	63				876	877	FOR	506	363	230	148	7 9	37	13	9	ó	6,023
	, ,,	"	-,		ر,ر	11-	0,0	٠,,	ال ال		رەر	در د	- "	1)	71	-		·	0,025
1905	407	83	49	259	545	715	850	880	711	542	375	227	152	97	34	14	4	0	5.944
1906	483	78	65	267	522		920	939	696	612	416	269	169	106	47	17	3	4	6.337
1907	450	98	53	286	549	748	887	913	765	654	467	267	170	101	46	18	3	1	6,476
1908	463	93	65	276	575	718	869	926	775	575	439	258	175	96	39	15	5	5	6,367
1909	533	80	63	274	574	727	815	880	776	588	420		154	99	39 111	25	4	¥	6,297
1010	466	ďΩ	. •	-	` `		_					•	້ _		110		_	١.	1.
1910	486	89	+5	289	523	090	550	8/4	819	044	454	587	176	99	40	18	5	4	6.352
1911				259	532	010	817	AT8	792	648	491	327			60	28	8	3	6,548
1912	469	106	59	271	546	683	776	937	828	644	481	276		108	48	23	6	2	6,465
1913	452	_	61	•	549		667			660			191		55	28	7	6	6.362
1914	430	106	(2	581	541	658	834	903	873	713	529	353	226	120	47	19	8	3	6,716
1915	344	94	51	295	542	680	808	895	826	733	532	340	195	107	62	24	10	2	6,638
1916	371	g)4	57	251		630	760	859	714	689	512	356	220	117	43	25	2	ī	6,185
	403	92	62	248		688	770	877	832	694	611	358	217	•	58	24	<u>ē</u>	ī	6,607
1918	387	76	67			670	718	753		688		369	234	116	62	21	Ğ	2	6,318
1919	331	90		219				658	570	570	454	285	222	112	60	23		Ĭ,	5,346
	J J				.,	<i>-</i> 1	,	٠,٠	<i>-</i> 1-	71-	.,,.							•	7,7.0
1920	256	77	50	209	368	405	456	506	436	466	386	5 /1 8	167	94	49	29	7	2	4,211
1921	190	36	37	160	340	401	383	390	382	371	285	223	166	87	45	21	6	Q	3.523
1922	258	45	38	174	343	384	394	40g	333	325	305	206	145	92	36	16	10	3	3,515
	197	37 44	32	130	301	336	341		380	372	316	229	168	83	52	22	10	1	3.377
1924	182	孙	34	146	339	338		380	364	335	275	219	147	77	28	17	4	2	3.300
3005				- 1		~~ =	ne -	1.6-									_		
1925	171	27	50	148	300	327	311	408	365	359	307	231	143	87	35	10	7	5	3,274
1926	176	45	26	T 39	293	325	324	348	381	369	308	244	157	113	27	21	7	2	3.305
1927	143	37	31	159	279	298	275	327	341	333		227		92	45	15	5	2	3,043
1928	160	34	34	154	294	342	297	331	378	353	300	505	186	105	44	19	é	0	3,239
1929	134	31	20	131	275	314	286	324	371	328	303	251	171	98	62	23	4	5	3,131
1930	146	70	75	720	20.0	70°	יוטצ	7)1 <i>0</i>	707	7 <u>/</u> E	261	277	170	יחנ	EΩ	16	7	0	3,131
1931	124	32 30	שכ	107	270	702	200	777	321	フレン	さつけ	رزء	1777	707	50 144	20	7 6	2	3.044
	112	30 36	17		275	グング	200	לננ	361	222	JUI	257	167	93	64	21	5	1	2.849
1932 1933		30		95	235		322		755	324				97	62	17	5 8	i	
	94		26 21	101	209			274	フフフ	330	520	207	170	107 106		18	g	1	2.891
1934	92	19	21	74	200	40 (حکاں	4∪ر	313	၂၅ၓ	270	< 33	1,10	TOO	63	10	٥		2,825
1935	77	17	17	75	160	ולדפ	うたぜ	770	318	7 7O	21 7	262	1712	115	56	28	2	6	2,777
1936	71	17 22	13 27	74	104	262	303	שנוב	220	フンブ	23U	237	177	125	72	32	g	4	2,951
1937	57 61	20	12	59		209	272	ازازلا	329 355	770	327	564	185		58	38	10	1	2,815
1938	50	13	19	67	120	1 20	508	3/11	276	727	207		183		62	<i>3</i> 0	9	0	2,526
	53		12						510	323 297	296		173		68		10	6	2,537
1939	כנ	17	12	70	<u>ار د ا</u>	717	238	<i>در</i> ء	290	471	ノニブ	- JJ	÷13	טכב	ΨĐ	כנ	70	J	וכפים
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MALE TUBERCULOSIS DEATHS, NEW YORK CITY, SINCE 1898

Age	0_4	<u>5-l</u>	10-	15-	20-	25-	30-	35-	40-	45_	50-	55~	60-	65-	70-	75-	80-	85+	All
Year: 1940 1941 1942 1943	31 34 41 29 33	9 14 4 8 7	14 24 10 11	73 61 48 55 50	102 83 126	170 126 137	218 198 183 162 155	238 256 225	258 261 274	300 273 296	321 283 335	254 256 300	214 217 208	130 147	80 80 105 86 84	39 45 45 44	15 16 16 18 15	36793	2394 2459 2359 2465 2367
1945 1946 1947 1948	28	56 4 56	9 10 3 0 1	42 40 27 20 15	93 78 75 66 53	84 94		178 146 144	273 263	250 273 306	316 307	274 270	236 241 224	161 172	88 96 91 110 82	54 39 57 64 43	17 17 17 24 20	4 4 11 7 4	2448 2230 2186 2202 1814
1950 1951 1952 1953	29	8	0	16	49	ft _f t	87	111	175	189	255	225	197	155	101	49	19	9	1718

MALE TUBERCULOSIS DEATHS, NEW YORK CITY Annual Average During Five-Year Periods, Since 1900

Age	0-4	5-	10-	15-	20-	25-	30-	35-	40-	45-	50-	55-	60-	65-	70-	<u>75-</u>]	80-	85+	All
Period:	494	90	50	239	513	732	852	7 94	6111	447	328	214	154	82	46	22	7	ı	<u>Ages</u> 5709
1905-09	467	86	59	272	553	726	868	90g	745	594	423	252	164	100	42	18	4	3	6284
1910-14	461	101	64	274	538	682	785	<i>8</i> 95	826	662	494	316	199	108	50	23	7	Ħ	6489
1915-19	387	87	60	262	529	64g	733	808	740	675	526	342	218	115	57	23	7	2	6219
1920-24	217	þВ	38	164	338	373	389	411	379	374	313	225	158	86	42	21	7	2	3585
1925-29	157	35	29	146	288	321	299	348	367	348	298	231	164	99	43	17	6	2	3198
1930-34	114	29	26	102	236	276	309	307	326	346	589	233	171	101	57	18	7	1	2948
1935-39	58	18	17	69	152	219	256	315	314	330	317	251	172	127	63	32	g	3	2721
1940-44	34	g	13	57	107	141	183	233	265	288	310	271	210	139	87	41	16	6	2409
1945-49	29	5	5	29	73	94	121	160	256	276	304	271	225	159	93	51	19	6	2176
1950-54																			

MALE TUBERCULOSIS DEATH RATE*, NEW YORK CITY, SINCE 1898

A 50	O lile	10) E	200	OF.	120	25	ì.c.) ie	E0 1	<u> 1</u>	<u> </u>	ČF	70		ac.	ar.	A 7 7
Age Year: 1898 1899	0-4 5- 315 47 301 45	29	148 162	363	()		(4		(50		^ (5:	60- 22) 64)	(5!	(70- 54) 43)	(50		85+ 462 225	A11 Ages 335 343
1900 1901 1902 1903 1904	305 48 244 49 217 44 201 50 206 50	28 28 30	157 170	315 269 281	342 390	510 468 452	531 474	532 493	502 475 532	436 413	499 407 434	389	462 307 311	323	ұця 289 238	206 67	73 0 206 200 0	338 328 294 299 310
1905 1906 1907 1908 1909	181 42 208 38 195 49 193 45 215 38	36 28 33	149 146 136	251 241	331 326 302	470 446 422	535 513 503	500 524 513	588 567 481	499 524 476	504 484 451	387 416 417 415 352	429 378 34 7	302 284 233	221 232 187	90 87 140	0 2 7 6 77 373 288	297 305 300 285 272
1910 1911 1912 1913 1914	182 40 186 47 176 47 167 43 161 44	40 27 27	117 121 118	207 209 206	261 259	363 339 286	457 458 405	480 493 479	497 486 489	488 470 494	525 435 522	389 430 431 401 408	378 351 323	329 258 291	319 258 308	205 151 173	205 134 396	266 269 261 252 262
1917	162 38 134 34 148 36 140 29 118 34	58 54 54	112 118 138	191 226 236	230 256 245	308 305 279	379 369 312	391 442 395	459 432 422	430 468 393	465 413 419	346 384 333 353 353	339 339 309	208 266 280	242 207 178	47 131 129	128 63 53 104 205	254 233 245 231 192
1920 1921 1922 1923 1924	89 28 66 13 90 16 69 13 64 16	20 14 15 12 13	70 74 53	131 128 109	138 130 111	140 141 119	151 153 135	186 158 175	213 181 202	201 209 211	236 211 228	243 235 198 223 188	213 215 185	187 143 195	169 123 165	122 198	101 0 145 47 92	149 122 119 111 107
1925 1926 1927 1928 1929	60 9 62 16 51 13 57 12 49 11	13 9 11 12 7	57 52 58 55 46	98	102	107 88 94	116 107 105	161 140 151	186 163 169	191 164 177	221 200 173	178 190 190 212 189	220 171 187	89 142 132	145 99 123	84 99	79 77 76 0 183	104 102 92 96 91
1930 1931 1932 1933 1934	54 11 46 10 43 13 36 11 36 7	12 10 6 9 7	47 35 32 34 25	91 72 72 65 63	88 89 74 78 77	92 91 98 100 88	103 86 85	130 99 124	157 140 138	165 152 152	182 192 148	184 178 167 170 157	147 147 155	118 162 151	f ((91) (103) (94) (84) (83))))	90 87 81 82 79
1935 1936 1937 1938 1939	29 6 23 8 26 8 22 5 23 7		25 25 20 22 23	50 62 43 43 44	82 79 64 55 53	92	106 105 90	110	139 126 120	148	152 163 153		161	154 120 123	((105 (121 (129 (97 (117)))	78 82 78 69 69

MALE TUBERCULOSIS DEATH RATE*, NEW YORK CITY, SINCE 1898

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Age	0-4	5-	10-	15-	20-	25-	30-	35-	40-	45_	50-	55-	60-	65-	70-	75-	80-	85+	All
Year:															_				Ages
1940	14	4	5	24	35	48	66	65	82	101	124	152	146	146	147		(119))	65
1941	15	6	9	21	35 34	53	60	72	81	106	130	139	155	139	141		(132)		67
1942	17	2	4	17	28		56	78	82	96	113	136	152	151	178		(137		64
1943	11	3	14	zÒ	42	39 43	50	69	87	104	132	156	141	139	140		(142)		66
1944	12	3	3	18	39	37	49	72	87	101	120	139	141	138	132		(117		63
•					رر	71	• •	1-	"			+))		ارد	-)-		\ 	•	"
1945	13	2	3	16	32	40	53	61	96	111	125	139	144	146	133		(135))	65
1946		2	3	16	27	30	3g	56	87	87					140		(104)		59
1947		2	i	11	26	27	38 36	56 46	84	95		130		137			(141)		58
194g	9	2	ō	g	23		70	46	78	106			130		150				50
n - 1 - 1 - 1	4			۶		30	39					_			_		(152		58 48
1949	4	2	0.4	6	19	21	29	fiff	65	go	98	108	113	119	109		(103))	48
1950	9	3	0	7	18	14	29	36	57	65	07	100	108	100	3.00		(114)		45
1951	, ,	,	•	t	10	7.7	27	٥٥	57	כים	93	TOO	100	IZU	147	,	(447,	,	ן די
1952	1																		
1953	1																		
1954	1																		
*Pa= 10	<u> </u>		.1		- 4 4 -														<u> </u>

^{*}Per 100,000 male population living in each age group.

MALE TUBERCULOSIS DEATH RATE*, NEW YORK CITY
Annual Average During Five-Year Periods, Since 1900

Age:	<u>0-4</u>	5-	10-	15-	20-	25-	30-	35-	40-	45~	50-	55-	60-	65-	70-	75-	80-	85+	All
Period:				_				-						•			_		Ages
1900-04	233	48	31	157	293	383	487	505	531	516	458	456	419	393	337	317	226	99	314
1905-09	198	42	31	142	248	31 8	432	505	512	527	480	455	397	379	260	227	110	204	291
1910-14	174	मेग	29	124	209	260	342	435	491	493	474	486	412	3)10	267	256	171	242	262
1915-19	140	34	25	120	213	237	291	344	395	429	415	410	3 1 48	319	265	210	156	112	231
1920-24	76	17	15	69	126	126	139	154	179	209	215	231	217	202	166	162	147	77	121
1925-29	56	12	10	54	94	99	96	113	151	171	180	203	192	184	134	117	98	8,1	97
1930-34	43	10	9	35	73	gl	94	95	116	149	153	174	171	152	144	(91))	8 ₇ 4
1935-39	25	7	6	23	49	67	77	96	103	125	142	156	143	158	130	(114))	75
1940-44	14	3	5	20	36	1111	56	71	8 4	101	124	144	147	143	148	(130))	65
1945-49	9	2	2	12	25	30	39	51	82	96	115	128	135	136	132	(127))	58
1950-54																			

^{*}Per 100,000 male population living in each age group.

FEMALE TUBERCULOSIS DEATHS, NEW YORK CITY, SINCE 1898

Age	0-4	5-	10-	15_	20-	25_	70-	35-	140-	45_	50-	55_	60-	65-1	70-	75_	80-	85+	A11
Year: 1898 1899	499 523	72 81	•	2,48	476 530	(1,	274)	(6	12) 42)	(3	47) 93)	(20	04)	(12	22)	(47 (34	;)	g 11	Ages 3785 3817
1900 1901 1902 1903 1904	463 386 408 395 372	78 69 93 78 100	81 101 72 94 98	246 258 288	487 461 496 487 537	532 571 641	492 481 528	432 373	270 253	161 146 158	107 117	94 106	93 93 67 66 68	67 33 44 35	33 31 35 26	(33 19 17 20 11	7 9 5 5	1 2 5 3 1	3847 3620 3531 3707 3750
1905 1906 1907 1908 1909	359 373 381 354 383	91 87 82 106 94	111 109 119		533 499	599 562 549	510 487 481		293 310 326	191 193 220	135 128	117 92 86	81. 73 71. 70 69	59 44 54 52 52	22 29 33 29 31	7 13 13 17 15	3 1 5 8 6	¥ 4 3 2 0	3718 3864 3787 3793 3616
1910 1911 1912 1913 1914	398 450 396 454 326	104 95 95 104 133	99 107 97 117 99	301 290 295	468	501 468 472	414 430 414	448 393 412	299 276 289	204 190 197	134 138 142 165 150	80 89 105 98 116	62 57 69 77 71	55 44 51 49 48	26 27 26 26 28	21 16 14 21 6	3 6 3 8 11	2 1 3 1	3722 3702 3516 3669 3574
1915 1916 1917 1918 1919	392 308 338 335 254	104 78 88 89 72	152	328	475 502 611	476 511	404 421 451	382 356 350 321 267	286 277	201 201 219	130 159 157	102 89 108 105 74	102 80 68 91 62	40 53 42 37 47	39 33 38 39 31	14 15 12 12 11	4 3 7 4 3	3 3 3 1 3	3611 3463 3535 3780 3152
•	238 189 166 171 175	65 46 46 39 54	90 76 67 71 61	313 251 287 241 259	494 376 409 359 376	338 323 310	338 280 250 232 237	217 186 231	179	146 117 122		76 78 66 75 75	54 58 58 53 49	48 31 36 41 42	28 22 17 27 27	11 14 5 13	4 5 3 2 4	1 0 0 1	2924 2399 2287 2296 2287
	152 142 140 149	37 29 31 37 23	60 56 51 51 49	237 257 256 239 252	368 351 337	331 272 313	234 260 219	177	141 133 133	128	85 103 92 98 64	72 64 64 61 75	60 53 68 56 60	28 53 28 38 35	26 26 31 35 30	10 15 14 9 7	3 5 8 3 7	1 2 3 4 1	2201 2203 2097 2087 2089
1930 1931 1932 1933 1934	118 89 100 89 67	17 29 29 29 29	51 33 34 38 24	220 202 154 1 <i>3</i> 9 124	334 349 318 281 272	285	223 172 189	135	117 114 102 114 122	119 101 89 86 89	83 86 73 78 91	53 74 66 52 67	59 62 38 69 54	37 47 45 54 40	24 19 29 29 18	19 11 5 14 19	55558	3 1 2 3	1958 1878 1691 1686 1595
1935 1936 1937 1938 1939	58 39 48 49 40	22 15 14 15 8	33 33 31 24 24	133 124 126 115 89	262 281 231 226 198	283 258 203	199	123	123	93 84 80 59 65	90 82 81 62 79	75 58 62 45 54	53 56 39 50 57	42 44 48 43 45	26 31 23 26 38	20 11 18 18 11	99558	2 5 2 5 3	1594 1634 1449 1307 1277

Age	0-4	5-	10-	15-	20-	25-	30~	35-	140-	45-	50-	55-	60-	65-	70-	75-	80-	85+	All
Year: 1940 1941 1942 1943	27 34 35 24	8 8 12	21 18 20	92 94 74	189 151	180 195 146 143	153 160 140	129 124 106 140	101 117 81 96 92	68 74 65 69	78 73 57 57 59	14 50 60 50 57	47 51 52 54 47	40 34 52 47 41	27 29 27 33 36	19 26 23 23 20	8 11 14 8	27504	Ages 1233 1256 1143 1195 1167
1945 1946 1947 1948	17	7 8 0 2	8 14 7 5 7	61 55 59 46 30	149 140 125 119 79	118	106	114 126 107 92 90	103 88 72 85 74	60 62 68 54 68	55 50 55 46 43	46 47 47 36 30	35 43 31 30 32	34 42 39 41 31	17 21 31 30 24	22 17 23 21 18	14 13 6 10 5	56495	1065 1015 942 910 763
1950 1951 1952 1953 1954	32	2	7	20	59	66	60	70	59	57	36	29	34	19	23	20	7	3	603

FEMALE TUBERCULOSIS DEATHS, NEW YORK CITY Annual Average During Five-Year Periods, Since 1900

Age	0-4	5-	10-	15-	20-	25-	30-1	35-	40-1	45-	50-	55-	60-	65-	70	75-1	80-	85+	<u>A11</u>
Period:	1															. •			Адеы 3691
1900-04	1 -	_	-		494		-				-	90	79	46	32	18	7	2	1
1905-09	:370	92	107	315	499	558	4g2	432	299	197	133	99	73	52	29	13	4	2	3756
1910-14	405	106	104	302	476	48 4	429	411	306	203	146	98	67	49	27	16	6	2	3637
1915-19	325	86	115	335	523	486	40 4	335	273	202	150	96	gl	抻	33	13	4	3	3508
1920-24	188	50	73	270	403	347	267	219	177	127	111	74	54	40	5/1	10	ħ	1	2439
1925-29	140	31	54	24g	364	311	240	182	137	117	89	67	59	36	3 0	11	5	2	2123
1930-34	92	5#	3 6	168	311	275	200	154	114	97	82	62	56	45	24	14	6	2	1762
1935-39	47	15	29	117	240	234	167	133	106	76	79	59	51	孙	29	16	7	3	1452
1940-44	30	9	16	88	168	165	158	123	97	69	65	52	50	43	3 0	\$5	10	4	1199
1945-49 1950-54	-	5	8	50	123	130	123	106	84	62	50	41	34	37	25	20	10	6	939

FINALE TURERCULOSIS DEATH RATE: NEW YORK CITY, SINCE 1898

	ı				_									,				
Age	0-4 5-	- 10-	15-	20-	25-	30-	35-	40-	45-	50-	55-	60-	65-	70-	75-	80-	85+	
Year: 1898	265 4 <u>1</u>	3 56	161	259	(3	33)	(5)	76)	(21	57)	(2)	59)	(3	19)	(3)	3 9)	607	230
1899	271 4			281		24)		52)		12)	(2)			78)	(3		813	226
1900	1 234 H		_	252	(3)	ואא	to	20)	(2)	16)		33)		21)	(2)	34)	7 2	222
1901	189 38		147	231											226			202
1902	194 49			241	289	294	265	251	177	156	191	173	128	183	196	5/1/1	339	191
1903 1904	182 40			230	315	313	268	228	186	165	208	165	165	200	223	131		195
-	173 5	_	181	240		_	•		_		_		•		117		51	192
1905	162 46		150	229	276	272	279	227	176	172	191	192	210	120	72		198	184
1906 1907	162 41 168 41		156 151	223 197	2/3	58T	269	232	194	170	214	150	151	152	130	22	191 126	185 176
1908	150 52		147		238	253	246	234	198	158	150	151	169	744	155	156	81	170
1909	157 平		127	16g	207	230	236	200	184	149	168	1/1/1	163	149	132	113	0	156
1910	158 47	7 47	126	182	211	227	215	220	176	1 /t/t	130	125	167	121	179	54	76	156
1911	175 42	<u>.</u> 49	122	166	200	214	236	197	168	146	142	113	131	123	134	107	37	152
1912	151 42			160													110	7,45
1913 1914	171 45 124 55		134	158 158	172	177	198	207	161	177	158	122	141	116	45	178	108 32	145
•		•								_						_		
1915 1916	147 43 1114 31		126	178 160	178	168	184	163	151	128	136	173	106	159	103	64 47	94 96	138 130
1917	127 3	+ 42	150	177	168	175	160	162	138	127	126			136	81	99	37 85	131
1918	124 31	+ 63	165	212	177	185	145	155	14g	123	121	135	89	108	79	56	28	137
1919	92 27	7 42	141	174	161	145	119	127	109	125	811	91	111	113	72	41	83	113
1920	85 SJ	+ 36		165			119	111	g)4	97	8,1	77	112	100	70	54	27	103
1921	68 17			123			91	93	93	68	83	80	69	75	87	66	0	82
1922 1923	59 17			131 113		94 85	76 92	87 84	72 73	57 96	68 75	77 68	76 83	55 84	30 76	39 25	0 25	77 76
1924	63 19	•	98	116	104	84	73	76	71	78	72	61	81	81	45	50	25	74
1925	55 13	3 22	_	112		8,1	78	73	69	56	67	72	52	74	55	35	23	70
1926	52 10	21	92	109	99	79	72	73 64	71	66	58	62	94	71	82	57	23 144	68
1927	· 51 13	1 23	90	105	80	86	58 61	59	64	58 60	56	77	48	81	73 46	90	65	62 62
1927 1928 1929	51 11 55 1 43	1 23 3 18 8 14	82	96 110	91	86 71 78	61	59 57 51	68 46	60	52 62	77 61 64	48 62 55	81 89 73	46	33 76	85 21	62
				l			55			38					35	•		59
1930	45 (5 18	72 66	92	85 80 71	70 68	56 48	47	59 48	50 50 41 43 48	43 58 50	60 61 36 63 48	55 67 61 70 50	58 43 63	1	78)	56 54 48
1932 1932	34 10	12	50 50	97	8U 71	68 52	48 5 7	1 20	48 ኒነ	70 141	- 98 50	36	61 61	45 63		(51 (28	,)	lia 24
1933	34 10 39 10 36 11 27	12 1 13 6 8	50 45	89 79 76	78	52 57 56	57 43 44	39 43 45	41 39 39	43	38	63	70	59 59		(50 (68		174
1930 1931 1932 1933 1934	27	6 8	40	76	78 69	56	र्मा	45	39	48	38 48	48	50	59 35		(68)	1 77
	· 24 4	8 1 2	43	74	5 7	55	50	孙	40	46	52	46	50	49		(66))	ग्रेग
1936	17	6 12	40	80	57 77	58	50 48	43	35	41	39 40	47	51	55		(51 (48)	45
1937	21 (<u> </u>	41	80 66 65	70 55	55 58 48 41	37 37	32	32	39	40	31	53	39	1			39
1935 1936 1937 1938 1939	18 5 55 6	8 12 6 12 6 11 6 9	37 29	65 57	55 58	41 39	37 31	43 32 31 32	32 23 25	39 29 36	28 33	31 39 43	50 51 53 46 46	39 43 60		(52) (39)	,	当 5 3 5 5 5
~J JJ	TO '	ノ ラ 	-7	ار	- 70	צנ	+ر	عر ا	2)	٥ر	رر	7)		~		1 77	7	

FEMALE TUBERCULOSIS DEATH RATE*, NEW YORK CITY, SINCE 1898

Age	0-4	5-	10-	15-	20-	25_	30-	35-	40_	45-	50-	55-	60-	65-	70-	75-	80-	85+	All
Year: 1940 1941 1942 1943	13 15 15 10 12	33525	8 7 7 5 4	30 31 25 31 33	55 4 51 51 4	148 52 39 39	42 45 39 46	38 36 31 41 33	32 37 26 30 29	25 27 24 25 25	35 32 24 24 24	26 29 33 27 30		39 32 47 41 35	41 42 38 45 47	 ((48) 70) 64) 45) 44)		Ages 33 33 30 31 30
1945 1946 1947 1948 1949	10 8 6 12 8	3 3 0 1	3 3 2 3	22 20 23 18 12	45 42 38 37 24	144 33 38 40 26	41 41 30 31 32	33 36 30 26 25	32 27 22 26 26	21 22 23 18 23	22 19 21 17 16	23 23 23 17 14	22 26 18 17 18	28 33 30 30 22	22 26 37 34 27	(54) 45) 46) 46) 31)		27 26 24 23 19
1950 1951 1952 1953 1954	10	1	3	g	18	19	18	19	18	19	13	13	19	13	25	(32)		15

^{*}Per 100,000 female population living in each age group.

FEMALE TUBERCULOSIS DEATH RATE*, NEW YORK CITY
Annual Average During Five-Year Periods, Since 1900

														•					
Age:	0-4	5-	10-	15-	20-	25-	30-	35-	40-	45-	50	55-	60-	65-	70-	75-	g0-	85+	All
Period:					_							J- J- J			٠				Ages
1900-04	194	45	55	158	238	305	312	282	255	193	181	187	197	180	190	209	186	154	200
1905-09	160	45	56	146	19g	5 110	260	257	224	187	160	177	162	174	147	124	94	113	174
1910-14	156	46	47	122	165	189	202	212	197	163	14g	150	128	143	118	127	108	72	147
1915-19	121	34	149	143	180	172	169	155	156	141	124	116	125	109	127	88	62	76	130
1920-24	67	18	28	108	129	111	100	90	90	78	79	76	73	84	79	61	47	16	82
1925-29	51	11	20	87	106	91	79	65	60	63	56	59	67	62	78	58	59	Цg	65
1930-34	36	9	13	55	87	76	61	50	抐	45	47	47	53	60	51	((55))	50
1935-39	20	6	10	38	68	63	4 g	41	36	31	38	38	41	49	49	((51))	39
1940-44	13	4	6	30	49	抐	抐	36	31	25	28	29	35	39	43	((54))	31
1945-49	9	2	3	19	37	36	35	30	26	21	19	20	20	28	29		43		24
1950-54																	_		

^{*}Per 100,000 female population living in each age group.

WHITET MALES, TUBERCULOSIS DEATHS, NEW YORK CITY, SINCE 1920*

				_	•														
Age	0-4	5-1	10-	15~	20-	25-	30-	35-	40-	45-	50-	55-	60-	65-	70-	75-	80-	85+	All
Year:	_											I							Ages
1920	224	69	38	177	329	364	423	469	40g	438	362	5,45	162	90	48	28	7	2	3880
1921	171	32		143		350	343	35 3	356	353	272	218	161	82	1414	21	Ġ	Ö	3239
1922			31	156		333	356	373			295		138	90	33	16	10	3	3215
1923	174		28		253	285	309	337			303		162	82	48	22	ğ	í	3082
1924	162	_				291	321	341		318	265		144	74	27	17	4	2	2982
1)24	TOL	1-4	4)	_	''	-	-	דדינ	ررر	סבכ	20)	ربح	****	14	~;	+1	- r		2702
1925	136	21	29	124	234	267	255	353	329	337	289	224	135	83	35	10	7	2	2870
1926	137	36	18	115	246	274	276	311	346	328	292	236	151	111	27	20	7	1	2932
1927								278		299	250			87	44	15	4	1	2632
1928								289	335		265			102	40	19	6	0	2785
1929								283		297		236	_	96	62	23	14	5	2705
			_		l			_	-	=		- 1		-		•			, ,
1930									268					98	50	14	7 6	0	2599
	88								304	325	270	220	161	91	43	18		2	250,7
1932	76	22	9	58	163	177	238	211	231	289	260	242	160	93	59	20	5	1	2314
1933	63	22	13	68	142	186	246	203	298	278	277	191	170	102	56	16	g	1	2340
1934	58	12	g	52	152	179	206	222	255	309	262	214	161	101	62	18	8	1	2280
2075	1	_	_	1.4				-1						•••			_	_	
1935	43	. g	.9	48 48	104	193	181	247	250	286	276	238	130	106	53	28	2	5	2207
1936		12		<u> 3</u> 8					280						70	30	g	-	2318
1937	37	g	1	34				226			282				57	34	10	1	2190
1938	_	g	7	39					221		265				57	28	9	o l	2025
1939	39	12	5	32	81	109	144	182	229	254	295	209	161	124	62	32	10	6	1986
1940	20	6	7	42	53	97	142	159	215	227	267	251	176	125	75	33	15	3	1913
1941	20		10	26	59	102	135	161	197	246	271	227	203	123	80	37		6	1937
1942	25	ž	- ¥		149				202					140	95		15	7	1896
1943	17	4	5	33 24	66	74	112	160	223	2116	206	262	189		84		18	7	1959
1944	18	5	3	19	53	75			200					131	80	43	_	3	1861
-		_	_	_				-		-				_		-		_	
1945	23	4	5	17	48	72	108	144	224	234	273	257	209	145	82	51	17	3	1916
1946	22	5	3	12	37	49	69	116	213	205	264	267	219	142	91	38	16	4	1772
1947	18	2	2	10	30	46	62		174					144	87	52	16	11	1680
1948	19	3	0	6	29	43	61		167	226	260	231	501	158	100		24	4	1678
1949	6	ź	ì	4	21	22	46	_	139					_	78		19	3	1341
- •	•	-	_	_	1				· -			-	•	-			•	-	_
1950	18	4	0	5	14	19	46	67	115	155	204	131	TIT	136	96	47	73	9	1296
1951 ••	}																		
1952	i																		
1953 • •																			-
1954 ••																			<u> </u>

†Includes the few colored other than Negroes in: 1920=50; 1925=49; 1930=44; 1935=69; 1940=56; 1950=34. *Data prior to 1920 unavailable by color and age.

WHITE MALES, TURERCULOSIS DEATHS, ANNUAL AVERAGE, FIVE-YEAR PERIODS SINCE 1920

Age	0-4	5-	10-	15-	20-	25-	30-	35-	40-	45_	50-	55-	60-	65-1	70-	75-	80 -	85+	All
Period: 1920-24 1925-29 1930-34 1935-39 1940-44 1945-49	192 125 79 37 20 18	27 20 10 5	31 21 14 7 6	' I	291 229 171 95 56	325 257 197 148	350 245 229 174 118	375 303 234 223 168	351 327	354 317 305 276 237	299 276 263 278 268	218 221 228 218	153 157 162 160 195	84 96 97 119 129	40 42 54 60 83	21 17 17 30 40	7 6 7 8 16 18	3 5	Ages 3280 2785 2408 2145 1913 1677

WHITE MALE TUBERCULOSIS DEATH RATE*, BY AGE, NEW YORK CITY, SINCE 1920

		101.7	TE MA	1	CODE	rome	<u> </u>	Tipul	in a		, Di	AGE	, 14 TO	101	<u> </u>	,	DIM	<i>1</i> 5	
Age	0-4	5-1	10-1	15-	20-	25-	30-	35-	40-	45	50-	155-	60-	65-	70-	75-	80-	85+	Ţ AĪ l
Year:	·	. =====	•'				-												Ages
1920	80	26	15	81	135	133	165	195	213	267	268	269	239	235	211	232	147	103	141
1921	61	12	14		119	126	131	143	179	209	196	235	231	203	185	170	123	Ó	115
1922	82		12	_	116		133			179		209						148	112
1923	63		11	50	96	99						221					157	48	105
1924	59	15	10	53	102						178		187		98		77	94	99
-		_						-	I	•			-		_		- •	•	
1925	50	g	11	49	8 _j +	90	90			180			171			71		gl	94
1926		13	7	45	87	91	96	112				219	186	220	90	140		40	95
1927	44	11	9 9 4	50 44	78	75	77					195				100	68	39	83
1928	47	9	9		76	86	80					171						0	87
1929	42	7	4	35	68	78	76	96	131	144	170	201	180	167	182	145	66	186	83
1930	42	g	9	33	74	70	75	89	103	154	145	186	176	164	141		(g4))	78
1931	35	7	9	25	54	68	73		115	150	153	176	171	146	116	1	97		75
1932	30	ģ	3	20	53	56	77	70				186					(92		69
1933	26	8	3 5	24	47	59	80	67				141					(83)		7 0
1934	24	5	3	18	50	57	67	73					153				(85)		67
	į.	-	-		-		•	_		_		-					(104)		II -
1935	18	3	3	17	35	62	59	81	90	T50	721	164	773	147	121		7		65 68
1936	16	5	5	13	42	55	69	81	99	121	132	144	149	コング	125		(118)		64
1937	17		0.4	12	29	47	60	74	99			154					(121)		
1938	14	3	3	14	27	40	48	70	76				142		-		(94		59
1939	18	5	2	11	28	3 6	46	59	78		130		_	148			(117)		57
1940	10	3 4	3 4	15	18	32	46	52	72	85		146		_	141		(119)		55
1941	9	4	4	9	21	34	भुभ	54	67	92	115	133	153		744		(131)		56
1942	11	1	2	12	17	25	37	64	69	86	100	129	149	149	165		(134)		55
1943	7	2	2	9	24	25	38	54	76	92	123	142	133	130	141		(142))	56
1944	7	2	1	7	19	26	31	54	69	89	110	135	137	129	130		(118))	54
1945	9	2	2	7	18	25	38	49	78	88	112	134	138	138	128		(131))	55
1946	8	2	ī	5	14	17	24	40	74	77		136					(104)		51
1947	7	ĩ	1	¥	11	16	22	33	61		•	117	I	_			(135		¥g
1948	Ιż	ī	ō	3	11	15	22	30	59	85		113			142		(142		148
1949	۱'n		0.4	2	g	g	17	28	49	59	86				107		(99		39
1950	6	2	0.4	2	6	-	•	24 24	41	51	80	-	_		128		(115		37
1951	0	~	V	~	8	7	17	24	41	Ͻ±	6 U	90	70	TTO	750		、エエン	′	기
1952																			
1953					,								<u> </u>						
<u> 1954</u>	<u> </u>												<u>II </u>						<u>Ll , </u>

*Per 100,000 white male population including colored other than Negroes living in each age group.

WHITE MALE TUBERCULOSIS DEATH RATE*, NEW YORK CITY Annual Average During Five-Year Periods Since 1920

Age	0-4	5-	10-	15-	20-	25~	30-	35-	40-1	45-	50~	55-	60-	65-	70-	75±	All
Period:	_																Ages
1920-24	69	15	12	63	113	115	131	148	171	205	211	228	212	199	161	148	114
1925-29	46	10	g	种	79	8,1	8,1									106	88
1930-34	32	7	5	5/1	56	62	74	77		138							72
1935-39	17	4	3	13	32	4g	56	73	88	110							63
1940-44	9	2	2	11	20	28	39	56		89	113	137	142	138	144	129	55
1945-49	6	1	1	4	13	16	25	36								122	48
1950-54								-			_						

*Per 100,000 white male population including colored other than Negroes living in each age group.

WHITE FEMALES, TURERCULOSIS DEATHS, NEW YORK CITY, SINCE 1920*

		_	<u> </u>												-	, <u>*</u> 70	<u></u>		
Age	O-14	5-	10-	15-	20-	25_	30-	35-	40-	45-	50-	55-	60-	65-	70-	75-	80 -	85 +	A11
Year: 1920 1921 1922 1923 1924	217 176 152	56	83 65 58 62	279 221 258 219 211		383 303 282 259 285	250 219 209	157 210	164 155 149	137 103 110	89 75	71 76 62 70 72	5355559 5559	48 30 35 38 39	28 22 17 26 26	9 13 5 12 7	¥ 5 3 2 4	1 0 0 1	Ages 2659 2199 2031 2058 2005
1925 1926 1927 1928	116 101 118	24 24	53 39	195 224 218 192 204	291	220	201 223	182 165 138 140 139	127	100 113 102 99 74	82 95 80 88 55	67 63 62 57 71	55 51 65 53 59	27 51 28 38 35	26 26 30 34 30	10 15 14 8 7	34 8 36	1 2 3 4 1	1862 1919 1772 1718 1666
1930 1931 1932 1933 1934	62	10 21 15 19 7	34 19 22 18 13	97	251 237 197	186 204	159 124	117 116 131 99 109	102 91 84 91 92	91 83 72 66 72	70 74 63 70 74	40 66 56 48 57	58 59 37 65 47	34 45 43 51 38	23 18 29 27 17	18 11 5 13 19	5 3 4 8	3 1 2 3	1519 1416 1274 1270 1185
1935 1936 1937 1938	中 29 31 28 24	12 8 7 7 4	16 9 15 10	87 80 66 58 40	188 151	131	136 119	103 112 88 85 70	94 97 70 78 73	66 65 59 50 46	75 62 65 54 59	68 52 52 34 47	与外 罗55	38 43 45 37 41	24 31 20 22 35	19 11 15 17 11	7 9 5 5 8	2 3 2 5 3	1130 1191 1019 904 846
1940 1941 1942 1943	17 25 20 14 15	6 5 7 3 7	9 5 2 2	34 35 34 38 41	101 74 77 79 61	108 125 80 89 85	85 102 86 104 100	82 78 64 103 70	72 91 54 65 59	47 57 47 53 47	57 52 45 47 43	34 34 34 34 35 35 35 35 35 35 35 35 35 35 35 35 35	445544	3 ⁴ 33 46 41 33	27 28 24 31 36	19 25 21 22 18	8 10 13 8 7	2 5 0 4	785 839 729 784 721
1945 1946 1947 1948 1949	18 15 9 17 13	5 3 0 0	2 2 1 4	17 20 18 9	ኤ ፳ ቴ ୫ ୫	80 56 61 58 43	94 82 61 62 53	81 84 66 53 46	75 62 45 57 42	40 40 44 36 43	39 36 39 31 36	35 36 39 27 25	27 38 27 25 22	39 29 33 25	15 20 28 30 22	18 17 19 20 16	12 13 6 10 5	46494	658 644 549 520 438
1950 1951 1952 1953 1954	17	0	3	9	22	24	25	42	36	34	19	22	26	16	19	18	7	3	34 2

Tincludes the few colored other than Negroes in: 1920=3; 1925=4; 1930=2; 1935=1; 1940=2; 1950=0. *Data prior to 1920 unavailable by color and age.

WHITE FEMALES, TUBERCULOSIS DEATHS, ANNUAL AVERAGE, FIVE-YEAR PERIODS SINCE 1920

Age	0-4	5-	10-	15-	20-	25-	30-	35-	40-	45-	50-	<u>55</u>	60-	65-	70-	75-	8 0-	85+	All
Period: 1920-24 1925-29 1930-34 1935-39 1940-44 1945-49	169 110 63 31 18 14	_	41	238 207 118 66 37 15	297 226 154 78	255 196	203		116 92 82 68		106 80 70 63 49 36	70 64 53 51 43	52 57 53 46 45 28	38 36 42 41 37 31	24 29 23 26 29 23	9 11 13 15 21 18	3 5 7 9 9	122335	Ages 2190 1787 1333 1018 772 562

WHITE FEMALE TUBERCULOSIS DEATH RATE*, BY AGE, NEW YORK CITY, SINCE 1920

	WHI	re 1	<u>EMA</u>	E A	JBER (SIS I	TEATT	IRAI	Ŧ,	BY A	LGE,	NEW	YORK	CIT	Y, S	SINCE	192	0
Age	0~4	5-	10-	15-	20-	25-	30 -	35_	40-	45-	50-	55-	60-	65-1	70-1	75-	80-1	85+	All
Year:	•				\	· =										<u>• 4 .1</u>			Ages
1920	79	21	34	121	153	134	ıle r	113	107	79	97	80	77	113	102	58	55	28	96
1921	64	15	26		117	104	101	93	89	89	67	83	79	68	77	83	67	0	78
	56	13						22		62		66					•		
1922		_	23	106	122	95	86	68	82	65	55		70	75	57	31	39	0	71
1923	56	14	24	88	106	86	80	88	76	68	94	72	65	78	83	72	26	26	70
1924	56	20	19	82	106	94	77	68	72	64	78	72	62	76	80	40	51	26	67
1925	45	12	17	74	96	90	75	73	66	59	57	65	67	50	77	57	36	23	61
1926	44	9	17	ġ3	97	92	72	73 64	60	64	64	5 <u>9</u>	60	91	74	83	47	46	62
1927	39	ğ	20	79	96	69	78	52	52	57	53	56	74	48	82	75	92	67	56
1928	46	10	14	68	81	80	64		119	54				63		42	34	88	54
	_	4						52			57	50 61	59 63		89		67		
1929	37	4	9	71	96	72	69	50	42	39	35	ĐΙ	63	55	76	36	ρſ	55	51
1930	34	4	12	58	75	68	60	41	1111	47	ग्रेग	33	60	52	56		(77)		46
1931	25	g	7	47	75 74	59	52	41	38	42	45	53	59	66	42		(47)		43
1932	- 26	6	ģ	35	71	56	40	45	34	35	37	53 ¥4	36	60	64		(26)		38
1933			7			61	45		36			36	61	68 68			(47)		
ナラフラ	25	7	<u> </u>	33	59			34	20	31	40	عر			57				38
1934	21	3	5	28	57	50	45	37	36	33	141	Įŧδ	43	149	34		(70)		35
1935	20	5	6	30	54	39 60	38 43	35	36	30	40	149	40	47	46		(62)		33
1936	13	3	3 6	27	57	60	43	37	36	28	32	36	46	51	57		(4g)		35
1937	14	3	6	23	46	51	37	29	26	25	33	35	29	5 1	35		(44)		29
1938	13	3	ų	50	41	38	32	28	28	21	27	22	36	41	37		(51)		26
1939	12	2	14	14	1	34	26		26	19	28	30	42	43	57		(40)		24
					37	_		23		•		•		_					
1940	9	3 2	3	12	32	31	26	26	25	19	27	55	31	35	42		(50)		55
1941	12		3	12	23	37	31	25	31	22	5/1	5/1	33	33 44	42		(67)		5,1
1942	. 9	3	2	12	25	24	27	21	18	18	20	29	37	ነነነተ	35		(61)		20
1943	9	ľ	1	14	26	27	32	33	22	20	21	23	32	38	35 43		(45)		22
1944	6	3	1	16	20	26	31	22	20	18	19	28	29	29	49		(41)		20
1945	7	2	1	7	22	25	3 0	26	25	15	16	19	18	26	20		(47)		18
1946	7	ī	Ĩ,	ģ	23	17	26	27	21	15	15	19	25	32	26		(47)		18
1947		ī	ì	8						16	16		17				(36)		15
	3		0.4		17	19	20	21	15			20		23	35				
1948	4	0	-	4	15	19	20	17	19	13	12	13	15	26	36		(47)		14
1949	5	0	5	4	10	14	18	15	14	16	14	12	13	19	26		(29)		12
1950	6	0	2	4	8	g	g	13	12	12	7	10	15	12	22		(31)		9
1951								-		,	•								
1952													[
1953																			
105/									I				ľ						
1954									•										

*Per 100,000 white female population including colored other than Negroes living in each age group.

WHITE FEMALE TUBERCULOSIS DEATH RATE*, NEW YORK CITY Annual Average During Five-Year Periods Since 1920

					- •											
Age	0_4	5-	10-	15-	20-	25-	30-	35-	40-1	45-	50-1	<u>55-</u>	60-	65	70-175	+ A11
Period:	_	_					,	_								Ages
1920-24	62	16	25	98	120	102	93	85	85	73	78	74		81	80 48	
1925-29	42	9	15	75	92	80	71	58	53	54	53	58	65	61	8 0 56	57
1930-34	26	5	g	40	67	59	49	40	38	37	41	42	52	59	50 53	; 14O
1935-39	15	3	5	23	47	45	35	30	30	24	32	34	39	46	47 48	:∥ 29
1940-44	g	3	2	13	25	29	29	26	23	20	22	25	32	36	42 53	
1945-49	6	ĩ	2	6	17	19	23	21	19	15	15	17	17	25	29 41	11 -
1950-54		_		-	-,	_,	_,					-,				<u> </u>

*Per 100,000 white female population including colored other than Negroes living in each age group.

	7/17		MAL	, Ce	1000	WOOT	W2T 2	שמע	, corre	, TATEM	TOB	A ()	т,	DIM	- 17	20.			
Age	0-4	5	10-	15-	20-	25-	30-	35-	40-	45-1	50-	55-	60-	65-	70-	75-	80- -	85+	All
Year:	•		-		-	-			•					_					Ages
1920	32	g	12	32	39 41	41	33	37	28	28	Sft	6	5	4	1	1	0	0	331
1921	19	Ìф	2	17		51	33 40	37 37	26	18	13	5 6	5	5	1	0	0	0	284
1922	29	7	7	18	45	51	38	35	27	15	10	6	7	2	3 4	0	0	0	300
1923	23	7	4	12	48	51 47	32	33	28	20	13	11	6	1	4	0	2	0	295
1924	20	3	9	17	64	47	48	39	31	17	10	6	3	3	1	0	0	0	318
1925	35	6	7	24	66	60	56	55	36	22	18	7	g	4	0	0	0	0	404
1926	39 24	9	g	24	47	51	11 8	37 49	35 45	41	16	g	6	2	0	1	0	1	373
1927		7	7	27	51	69 74	50	49	45	34	22	11	7	5	ļ	0	1	1	411
1928	35 24	8	9	35 34	66	74	58	42	43	31	35	7	14	3	4	0	0	0	454
1929	24	10	9	344	67	69	55	41	39	31	19	15	11	2	0	0	0	0	426
1930		10	10	43	66	77	74	78	53	41	18	9 14	10	3	0	2	0	0	532
1931	36	10	12	33	69	87	74	69	57 49	<u>3</u> 0	31		10	2	1	2	0	0	537
1932	36	14	8	37	72	75	glt	66	49	35	27	15	7	4	5 6	1	0	0	535
1933	31	8	13	33	67	78	84	71	57	52	21	16	g	5		1	0	0	551
1934	34	7	13	22	48	78	84	82	58	110	34	21	9	5	1	0	0	0	545
1935	28	9	14	27	56	81	77	83	68	53 61	35 47	24	12	9	3	0	0	1	570
1936		10	14	36	70	92		102	49	61	47	20	_9	8	2	2	0	0	633
1937	24	12	11	25	50	64		118	72	62	45	5#	17	10	1	4	0	0	625
1938	20	5	12	28	54	59 62	60	gl	55 61	48	31 34	29	12	0	5	2	Õ	0	501
1939	14	5	7	38	55	62	94	77	91	43		30	12	12	Ь	1	0	0	551
1940	11	3	7	31	53	58	76	55	45	58	34	20	18	6	5	1	0	0	481
1941	14		14	35	43	68	63	74	61	54	50 45	20	11	7	0	2	0	0	522
1942		2	6	15	43 34 60	51	73	63	5 9	43	45	24	12	7	10	2	1	0	463
1943	12	4	6	31	60	63	50	65	51	50 49	39 41	38	19	14	2	0	0	2	506
1944	15	2	5	31	63	42	65	65	73	49	41	21	15	14	Ħ	1	0	0	506
1945	13	1	4	25	45	56	60	52	76	8 /1	50	24	18	14	6	3	0	1	532 458
1946	13 14	1	7	28	41	45	49	62	60	45	50 46	24	17	12	5 4	Ī	1	0	458
1947	13	2	1	17	45	38	50	52	89	56	54	40	22	17	4	5	1	0	506
1948	9	2	0	14	37	53	57	59	89 74	80	54 47	39	20	14	10	6	0	3	524
1949	6	3	0	11	32	45	42	58	63	73	50	42	23	16	Ħ	3	1	1	473
1950	11	4	0	11	35	25	41	144	60	54	51	34	26	19	5	2	0	0	422
1951 1952						•				_	-	-		-	-				
1952																			
1953																			
1954					ı														ŀ
													-						··· <u>-</u>

^{*}Data prior to 1920 unavailable by color and age.

NEGRO MALES, TURERCULOSIS DEATHS, ANNUAL AVERAGE, FIVE-YEAR PERIODS SINGE 1920

Age	0_4	5-	10-	15-	20-	25-	30-	35-	40-	45-	50-	55-	60-	65-	70-	75-	80-	85+	All
Period: 1920-24 1925-29 1930-34 1935-39 1940-44 1945-49 1950-54	25 31 35 21 14	6 8 10 8 3 2	7 8 11 10 7 2	1989 1989 1981 1981	47 59 64 57 51 49 57 51 49	48 65 79 72 56 47	38 53 80 82 65 52	36 45 73 92 64 57	28 40 55	20 32 41 54 51 67	14 22 26 38 42 49	7 10 15 25 25 34	5 7	3 4 8 10 15	2 1 3 3 4 6	0-2	0.4	0 0.4 0 0.2	Ages 306 414 540 576

NEGRO MALES, TUBERCULOSIS DEATH RATE*, BY AGE, NEW YORK CITY, SINCE 1920

	444	30110	PARLI	. رنمت	CLA	itoon.	7010	TOTAGE.			, 21	BALES	,	. 201		, -		+ 740	
Āge	0-4	5 _	10-	15-	20-1	25_	30 -l	35-	40-1	45-	50-1	55-	60-1	65-	70-	75-	80 -	85+	All
Year																			Ages
1920		177	315	740	437	365	336	375	411	539	818	14.214	590	818	397	769	Q	0	433
1921	207	78	47	354	hio	410	368	حالة	7117	316	JIOU	323	532	978	358	Ō	Ò	0	336
	403			340	423		319	297	331		281	350	680			ō	Ŏ	ō	323
_	_	108		208		344		271				582	540	160	1238	ŏ	3279	ŏ	292
1923 1924										300	335			450		_	- :_	ŏ	291
1724	230	** <u>*</u>	100	271	520	294	342	280	328	230	238	291	250	470	295	0	O	U	27.
1925	370	76	111	355	503	349	371	378	357	290	399	312	619	55¢	0	0	0	0	344
1926			117		338	278	297			E00	<i>JJJ</i>	330	11211	265	ŏ	49g	-	2000	297
1927		74	95		347					401	427	457	474	632	5 /10	0		1852	307
						353		301						~				0	II = -
1928		78	113		427	356	317		361				258	363	937	0	0	0	319
1929	1798	89	105	387	414	314	284	228	212	332	328	200	670	229	0	0	0	U	283
1930	281	ጸፕ	110	465	392	335	364	417	407	rcµ	206	283	580	333	0		(506))	336
1931	262			336	_	379	760	750	117	205	ligh	403			192		(455)		329
1932		109		356			403		341	329			323	331	850		(205)		319
			115	סעע		329		335			395	395					:		319
1933			115	200	401	345	399	351	378	466		389	333	366	913		(193)		
1934	239	51	107	169	289	348	<i>5</i> 95	390	367	421	446	413	340	327	137		(0)	'	307
1935	1.95	63	31	220	340	365	359	302	419	436	435	502	414	530	374		(161))	312
1936		68		279		422	נכנו	471	201	ЦØЭ	555	388	282	423	227		(296		338
1937		79	75	184			395	533				435			104		(547)		325
1938	-	32		_						349	331	492	320	0	478		(260)		254
1939		31.	43			280		358				476			530		(121)		273
	99	74	7)	27 1	352	דטכ	42 8	כככ	211	<i>3</i> 01	346	410	271	483	750		(121,	,	
1940	74	18	40	196	342	285	341	231	218	386	327	295	410	221	406		(111))	230
1941	8 ¹ 4	3)+	77			31Î								233	0		(200))	235
1942	: 86	ĺ	32		192				260		373	307	234	214	654		(265))	197
1943	58	20	31	175		253			216			,	344	391	118		(161)		203
1944	66	10	25	170		158				260	306	236	253	361	215		(72		193
•	-	10	رے	-10	٥٤٠	טעג	£+)	ررے	250	200		٥٫٥							
1945	. 52	5	19	134	213	199	216	180	299	H2 H	338	254	284	335	295		(264))	193
1946	51	5 4	33			151							251		222		(119))	159
1947	, 44	9	5	87		121	167					377	305	350	163		(331)		168
1948	28	ź	ó	70		160						348		267	377		(453)		166
1949	17	12	Õ		127	129	122	180	210	ソノノ	268		283		140		(234)		144
		. .	J	7	12)	127	1)2	TOU	227	ブンブ	200	טעע	209	LUT					
1950	29	15	0	53	129	68	125	134	204	220	259	274	303	317	162		(86))	123
1951		_										•					·		-
1952																			[[
1953																			
1954																			
1904	7.00	000			<u> </u>				<u> </u>										11

^{*}Per 100,000 Negro male population living in each age group.

NEGRO MALE TUBERCULOSIS DEATH RATE*, NEW YORK CITY Annual Average During Five-Year Periods Since 1920

Age						-6-		•										
Period: Ages 1920-24 342 100 143 363 1445 354 321 307 344 317 393 396 505 513 673 231 329 1925-29 284 84 108 371 405 330 310 275 350 375 427 367 488 405 249 229 308 1930-34 252 76 106 323 384 346 384 371 381 389 383 395 406 314 1442 246 322 1935-39 146 54 66 227 354 333 375 416 338 404 430 460 358 376 353 274 300 1940-44 73 18 40 167 286 241 266 248 255 300 346 315 292 293 275 159 210 1945-49 37 8 11 97 170 151 1	Age	0-4	5-	10-	15-	20-	25-	30-	35-	40-	45_	50-	55-	60-	65-	70-	75+	All _
	Period: 1920-24 1925-29 1930-34 1935-39 1940-44 1945-49	284 252 146 73	84 76 54 18	143 108 106 66 40	363 371 323 227 167	445 405 384 354 286	354 330 346 333 241	321 310 384 375 266	307 275 371 416 248	344 350 381 338 255	31.7 375 389 404 300	393 427 383 430 346	396 367 395 460 315	505 488 406 358 292	513 405 314 376 293	673 249 442 353 275	231 229 246 274 159	329 308 322 300 210

^{*}Per 100,000 Negro male population living in each age group.

NEGRO FEMALES, TUBERCULOSIS DEATHS, NEW YORK CITY, SINCE 1920*

											, ME	714 T/		<u> </u>		N C.EI	1920		
Age	0-4	5-	10-	15-	20	25-	30-	35-	40-	45-	50-	55-	60-	65-	70-	75-	80-	85+	All
Year:		_								•	-			•				Į	Ages
1920	21	9	7	34	54	45	36	25	13	11	2	5	1	0	0	2	0	0	265
1921	13	9 6	11	30	34	35	30	7	15	9	4	2	2	1	٥	1	0	0	200
1922	14	11	9	29	34 46	35 41	31	29	17	9 14	14	¥.	6	ī	0	ō	Ö	Ŏ	256
1923	20	2	9	22	36	51	23	21	21	12	g		3		1	1	ō	ō	238
1924	25	ī	12	48	50	51 149	32	24	14	15	4	5 3	Ιó	3 3	ī	ī	ō	ŏ	282
_	_				_		-	_			•				_	_	•		
1925		5	16	42	70	53	38	26	23	21	3	5	5	1	0	0	0	0	339
1926	26	5	10	33	60	43	33	31	14	15	g	1	2	2	0	0	1	0	284
1927	39	7	11	38	60	52	37	26	21	16	12	1 4	3	0	1	Q	0	0 '	325
1928	31	9	12	47	70	57	34	37	24	29	10		3	0	1	1	0	0	369
1929	21	12	15	48	73	72	43	25	24	15	9	4	1	0	0	0	1	0	363
1930	32	7	17	EΩ	81	80	45	ΕO	35	28	17	17	ı	7	•	,	_	0)170
1930 · · · 1931 · · ·		7 8	14	50 63	98	89	64	52	15	18	13 12	13 8		3	1	1 0	0	0	439 462
		14	12		90 81	68 68	48	30 46	23 18			10	3	2	Ō		5		417
1932		10		51	84					17	10	4	4	2		0	1	0	416
1933	-		50	42		79	49	36	23	20	8	-		3	2	1	1	0	
1934	19	g	11	42	83	83	48	32	30	17	17	10	7	2	1	0	0	0	410
1935	14	10	17	46	8/1	77	65	57	28	27	15	7	8	4	2	1	2	0	464
1936	10	7	5,4	孙	93	gl	63	45	26	19	20	6	2	1	0	0	0	2	443
1937	17	7	16	60	80	gh	4g	35	23	21	16	10	4	3	3	3	0	0	430
1938	21	8	14	57	92	72	42	38	15	9	ಕ	11	5	6		ĭ	0	0	403
1939	16	4	14	49	79	98	54	34	26	19	20	7	Į.	4	3	0	0	0	431
1940	10	2	12	58	88	72	68	47	20	21	21	g	6	6	0	0	0	0	44g
1940	9		10			70	58	46	29 26	17	21	10	6		ì	ĭ	ì	ì	417
m - 1		3		59 40	77	66	54	42		18	12	10	1	1 6		2	ī	ō	414
	15	5	15		97		67		27	16	10	10	9	ĕ	3 2	1	Õ	ŏ	411
1943 · · · 1944 · · ·	10	3	10	50	95	54	64	37 44	31	22	16	7	J	g	0	2	ì	ŏ	446
-	10	4	7	53	88	77	04	***	33	22		- (•		U		_	U	
1945	' 9	2	6	拼杆	83	82	52	33	28	20	16	11	g	4	2	4	2	ı	407
1946	9	5	6	35	71	62	62	42	26	22	14	11	5 4	3	1	0	0	0	371
1947	: 8	5	5	41	76	76	45	41	27	24	16	g	4	10	3	1	0	0	393
1948	19	ő	5 4	37	77	85	45	39	28	18	15	9	5	8	ō	1	0	0	390
1949	11	2	3	20	50	48	57	39 44	32	25	7	5	10	6	2	2	٥	1	325
	:		_		_	1			_	_	-	-		_	٧.	_	•		
1950	15	2	14	11	37	<i>j</i> †5	35	28	23	23	17	7	8	3	JŤ	2	0	0	561
1951																			
1952	!																		
1953																			
1954	1												ŀ						[]
43.4		_					• -	_		_	_	_				_	_	_	

^{*}Data prior to 1920 unavailable by color and age.

NEGRO FEMALES, TURERCULOSIS DEATHS, ANNUAL AVERAGE, FIVE-YEAR PERIODS SINCE 1920

							_												
Age	0-4	5-	10-	15-	20-	25~	30-	35-	40-	45-	50-	55-	60-	65-	70-	75-	80-	85+	All
Period:	•		30	77	lali	jłjł	70	~~	7.0	3.0	4	},			o 1:		_		Ages
1920-24 1925-29	19 30	7	13	رر 42	44 67	55	30 37	21 29	16 21	12 19	g	3	3	0.6	0.4	0.2	0.4	0	248 336
1930-34	29	9	15	50	86	80	5i	39	22	20	12	ģ	3	2	1	0.4	1	0	429
1935-39 1940-44		7	17 11	51 52	86 89	82 68	54 62	42 43		19 19	16 16	8	5	4 6	2	1	0.4	0.4	434 427
1945-49	11	3	5	35	71	70	52	40	28	52	14	9	6	ĕ	2	2	0.4	0.4	
1950-54		-				_													l.

NEGRO FEMALES, TUBERCULOSIS DEATH RATE*, BY AGE, NEW YORK CITY, SINCE 1920

		E.	W. I.	80,		HOOT.	ODID	TABLE			, DI	AUA.	, 1112	. 10.	MA U	LLL,	PINC	<u> </u>	20
Age	<u> 0-4 </u>	5-	10-	15-	20-	25-	30-	35	40-	45-	50-1	55-	60-	65-	70-	75-	80-	85+	All
Year: 1920 1921 1922 1923 1924	350 194 189 245	110 178 29	215 160 147	466 410 286	264	294 262 300	257 243 167	64 243 164	214 222 252	185 261 204	124 113 208	311 113 206 238 132	161 447 207	119 329	0	763 357 0 310 287	0 0 0 0	0 0 0 0	Ages 313 214 250 214 235
1925 1926 1927 1928 1929	249 347 258	60 54 70 83	223 130 134 137	469 344 372 433	406 328 310 344	269 204 233 241	240 196 208 181	178 201 159 216	239 137 193 208	304 202 201 342	67 168 237 186	205 38 72 137	303 115 1 <i>6</i> 4	93 175	0 0 13 9	2)18 0 0	0 606 0 0 508	0 0 0 0	263 206 222 237 221
1930 1931 1932 1933 1934	194 268 208	61 103	132 106 164	413 493 379 297 283	346 351	330 246 279	296 213 209	153 223 166	169 125 151	178 159 177	187 145 108	400 222 252 91 209	128 39 141	207 121 108 146 88	113	((126) (225) (102) (188) (0)		254 255 220 211 199
1935 1936 1937 1938 1939	67 113 139	67 46 45 50 24	162 102 84	295 270 352 321 265	371 315 358	272 278 235	242 178 151	182 136 142	165 145 122 76 126	145 153 63	223 168 79		54 100 115	36 99 182	0 192	(((234) (143) (197) (62) (0)		217 200 187 169 175
1940 1941 1942 1943 1944	66 53 79 47 69	12 17 26 15	51 74 48	299 292 191 231 237	277 330 307	210 188 146	185 164 195	150 131 110		101 100 84	172 92 72	104 122 115 108 72	111 17	24 130	0 46 125 77 0	((0) (145) (132) (41) (112)		175 153 144 135 140
1945 1946 1947 1948 1949	35 22 26 58 31	9 21 21 0 8	26 22	149 170 151	200 206 200 125	147 172 185	160 112 108	112 105 97	101 90 90 90 99	94 98 102 73 97		107 102 70 76 40	110 64 48 57 108	70 49 153 115 82	66 31 85 0 50	((243) (0) (119) (28) (78)		122 106 107 102 82
1950 1951 1952 1953 1954	39	7	16	43	89	85	79	66	69	85	8 ₁ t	54	81	38	94	•	(49)		63

*Per 100.000 Negro female population living in each age group.

NEGRO FEMALE TURERCULOSIS DEATH RATE*, NEW YORK CITY Annual Average During Five-Year Periods Since 1920

Age	0_4	5-	10-	15-	20-	25-	30-	35-	40-	45-	50-	55-	60-	65-	70-	75+	All
Period: 1920-24	_				_ ··-											192	Ages 242
1925-29	264	76	156	407	344	24g	208	178	195	242	166	116	153	49	56	85	229
1930-34	506	69	130	368	365	289	225	190	151	187	174	227	124	129	102	122	227
1935-39	104	46	108	301	337	272	202	162	125	138	166	134	115	118			189
1940-44	65	18	53	248	303	193	189	134	121	104	123	103	88		50	88	148
1945-4 9 1950-54	<i>5</i> 5	11	51	14/	193	190	130	102	94	92	78	78	11	95	46	89	103

^{*}Per 100,000 Negro female population living in each age group.

TUBERCULOSIS MORTALITY AMONG INFANTS New York City, Since 1898

Year	Menine	zitis	Respira	tory	Abdom	inal	Other	Forms	All F	orms
1001	Deaths		Deaths				Deaths		Deaths	
1898 1899	291 281	245 242	69 98	58 85	41 34	3 ¹ 4 29	101 79	85 68	502 492	424 455
1900 1901 1902 1903	301 246 236 249 211	245 202 186 193 159	66 64 47 40 61	54 52 37 31 46	31 52 42 42 33	25 43 33 33 25	80 33 23 22 17	65 27 18 17 12	478 395 348 353 322	389 324 274 274 242
1905 1906 1907 1908	154 197 193 181 182	114 140 130 124 128	65 64 64 56 85	48 45 43 38 60	33 39 35 33 24	24 28 23 23	17 23 24 19 20	13 16 16 13 14	269 323 316 289 311	199 229 212 198 219
1910 1911 1912 1913 1914	166 198 173 169 155	116 140 124 121 110	53 51 43 40 40	37 36 31 29 28	37 24 39 27 8	26 17 28 19 6	36 42 36 42 36	25 30 25 30 26	292 315 291 278 239	204 223 208 199 170
1915 1916 1917 1918 1919	171 153 130 151 107	121 111 92 110 82	46 42 37 42 47	33 31 26 30 36	10 11 9 10 14	7 8 6 7 11	51 39 53 36 26	36 28 38 26 20	278 245 229 239 194	197 178 162 173 149
1920 1921 1922 1923 1924	77 88 69 66 63	58 66 53 51 48	46 39 31 28 16	3 ¹ 4 29 24 22 12	14 7 4 7 1	11 5 3 5 1	19 21 29 21 15	14 16 22 16 12	156 155 133 122 95	117 116 102 94 73
1925 1926 1927 1928 1929	57 50 43 44 30	44 40 34 35 24	20 18 16 18 10	16 14 12 14 8	7 4 5 4 7	6 34 36	21 22 22 27 27 29	16 18 17 22 23	105 94 86 93 76	82 75 67 74 61
1930 1931 1932 1933 1934	34 24 14 17 14	28 21 13 16 14	25 15 15 19 18	20 13 14 18 18	1 2 2 0 2	1 2 2 0 2	28 9 17 14 11	23 7 15 14 10	88 50 48 50 45	72 43 44 48 44
1935 1936 1937 1938 1939	5 5 2 11	5 5 2 11	13 12 10 10	13 12 10 10	0 0 0 0	0 0 0 0	10 3 3 6 5	10 3 3 6 5	28 20 18 18 26	28 20 18 18 26

TUBERCULOSIS MORTALITY AMONG INFANTS New York City, Since 1898

Year	Menin	gitis	Respire	atory	Abdom	inal	Other :	Forms	All F	orms
1981.	Deaths	Rate*	Deaths	Rate*	Deaths	Rate*	Deaths	Rate*	Deaths	Rate
1940	6	6	g	7	0	0	0	0	14	13
1941	7	6	6	5	1	1	14	1	18	16
1942	7	5	8	5 6	0	0	4	3	19	14
1943	2	1	3 5	2 4	0	0	6	5	11	g
1944	14	3	5	4	0	0	3	3	12	10
1945	4	3	9	7	0	0	5	14	18	14
1946	2	ĺ	4	3	0	0	3	2	9	6
1947	3	2	7	Į.	0	0	3	2 ع	13	8
1948	3	2	ġ	5	0	0	Ť	ļţ	18	11
1949	2	1	3	5	0	0	Ė	Ħ	11	7
1950	2	1	10	7	0	0	3	2	15	10
1951				•					_	
1952										
1953										
1954							<u> </u>		_	

^{*}Per 100,000 live births.

TUBERCULOSIS MORTALITY AMONG INFANTS
Annual Average During Five-Year Periods Since 1900

77	Mening	zitis	Respira	story	Abdom:	inal	Other	Forms	All F	orms
Year	Deaths						Deaths		Deaths	
1900-04	2 119	196	55	43	40	32	35	28	379	299
1905-09	181	127	67	47	33	23	21	15	302	212
1910-14	172	122	46	32	27	19	38	28	283	201
1915-19	142	103	43	31	11	g	41	30	237	172
1920-24	73	55	32	25	6	5	21	16	132	101
1925-29	¹⁴⁵	36	17	13	5	4	5,1	19	91	72
1930-34	21	19	18	17	1	1	16	14	56	51
1935-39	6	6	11	11	0	0	5	5	22	55
1940-44	5	4	6	5	ı	0.2	3	3	15	12
1945-49	3	2	6	3	0	0	5	3	14	8
1950-54							,			

^{*}Per 100,000 live births.

TURERCULOSIS MORTALITY AMONG CHILDREN UNDER FIFTEEN New York City, Since 1898

Year	Meningitis	Respiratory	Abdominal	Other Formst	
<u>-</u> ,	Deaths Hatel	<u> </u>	 -	- '	Deaths Rate
1898	786 78 766 74	307 31 362 35	5 ¹⁴ 5 40 4	223 22 233 23	1,370 136 1,401 136
1900 1901 1902 1903	803 76 675 62 722 64 720 62 663 58	316 30 290 26 239 21 259 22 328 28	143 4 89 8 78 7 94 8 92 8	206 20 137 13 125 11 82 7 95 8	1,368 130 1,191 109 1,164 103 1,155 99 1,178 102
1905 1906 1907 1908	568 48 665 54 664 54 691 54 716 54	332 28 350 28 345 28 327 26 364 27	75 6 82 7 76 6 86 7 76 6	105 9 100 8 88 7 96 7 101 8	1.080 91 1.197 97 1.173 95 1.200 94 1.257 95
1910 1911 1912 1913 1914	688 50 764 55 681 48 694 48 630 43	271 20 335 24 287 20 353 25 321 22	85 6 74 5 94 7 77 5 65 4	155 11 156 11 160 11 164 11 150 10	1.199 87 1,329 95 1.222 86 1.288 89 1.166 79
1915 1916 1917 1918 1919	649 44 568 37 571 37 615 40 479 31	324 22 256 17 272 18 314 20 271 17	50 3 44 3 42 3 49 3 49 3	177 12 135 9 198 13 126 8 115 7	1.200 81 1.003 66 1.083 71 1.106 71 914 58
1920 1921 1922 1923	395 24 298 18 320 20 277 17 296 18	241 15 168 10 195 12 162 10 136 8	45 3 34 2 23 1 22 1 21 1	95 6 74 5 82 5 86 5 97 6	776 48 574 35 620 38 547 33 550 33
1925 1926 1927 1928 1929	244 15 236 14 215 13 215 13 149 9	135 8 149 9 129 8 143 9 87 5	22 1 10 0.6 17 1 22 1 14 0.8	82 5 79 4.7 85 5 85 5 113 6.6	483 29 474 28 446 27 465 28 363 21
1930 1931 1932 1933	171 10 135 8 138 8 130 8 87 5	131 8 124 7 100 6 108 7 83 5	14 0.8 11 0.7 16 1.0 5 0.3 10 0.6	84 5 63 4 74 5 63 4 58 4	400 24 333 20 328 20 306 19 238 15
1935 1936 1937 1938 1939	92 6 73 5 68 4 61 4 62 4	83 5 96 6 84 5 74 5	3 0.2 1 0.1 6 0.4 4 0.3 4 0.3	36 2 23 1 28 2 31 2 25 2	214 13 193 12 186 12 170 11 154 10

TUBERCULOSIS MORTALITY AMONG CHILDREN UNDER FIFTEEN New York City, Since 1896

	Menin	gitis	Respir	atory	Abdom	inal	Other	Formst	All :	Forms
Year	Deaths	Rates	Deaths	Rate	Deaths	Rate	Deaths	Rate	Death	Rate
1940 · · · · · · · · · · · · · · · · · · ·	39	2.6	50	3.4	3	0.2	18	1.2	110	7.4
1941	49	3.0	61		3	0.2	19	1.1	132	8.0
1942	46	3-1	55	3-7 3-6	Ŏ	0	21	1.4	122	g. 1
1943	32	2.1	37	2.4	<u>†</u>	0.3	17	1.1	90	5.9 6.4
1944	32 45	2.9	40	2.6	5	0.1	12	0.8	99	6.4
1945	40	2.6	31	2.0	1	0.1	20	1.2	92	5. 9
1946	41	2.6	32	2.0	2	0.1	20	1.3	95	6.0
1947	26	1.6	29	1.8	2	0.1		0.8	70	4.4
1948	32	2.0	27	1.7	1	0.1	13 14	0.8	74	4.6
1949	27	1.7	12	0.7	0	0	13	0.8	52	3.2
1950	31	1.9	33	2.0	0	0	14	0.8	78	4.7
1951	-								'	•
1952										
1953										
1954									<u>'</u>	

†Includes acute miliary tuberculosis, Pott's disease, white swelling, scrofula and general tuberculosis.

Death rate per 100,000 children under fifteen years of age.

TUBERCULOSIS MORTALITY AMONG CHILDREN UNDER FIFTEEN Annual Average During Five-Year Period Since 1900

	Menin	zit18	Respir	story	Abdomi		Other		All Fo	
Year	Deaths	Rate:	Deaths	Rate;	Deaths	Rate#	Deaths	Rates	Deaths	Retet
1900-04	717	64	286	25	79	7	129	12	1,211	108
1905-09	661	53	343	28	79	6	98	8	1,181	95
1910-14	692	49	313	22	79	5	157	11	1.241	87
1915-19	576	37	287	19	47	3	151	10	1.061	69
1920-24	317	19	180	11	29	2	87	5	613	37
1925-29	212	13	128	g	17	1	8 9	5	446	27
1930-34	132	g	109	6	11	1	69	4	321	19
1935-39	71	5	8 0	5	4	0.2	28	2	183	12
1940-44	#5	3	149	3	2	0.1	18	1	111	7
1945-49	33	2	26	2	ı	0.1	16	1	76	5
1950-54										

Death rate per 100,000 children under fifteen years of age.

TUBERCULOSIS MORTALITY, NEW YORK CITY
HEALTH CENTER DISTRICTS
1929-1950

TUBERCULOSIS DEATHS, ALL FORMS, BY HEALTH CENTER DISTRICTS
New York City, Since 1929

									r DNT	TOT	VT IV	21110	e Taz:	3									
HEALTH CENTER DISTRICT	026 [626 [1931	1932	7.59	1 934	1 935	1936	11937	De 1938	aths 1	from T	uberc	110818 042 10	118 1943 19	944 19	ABC 1946	1047	47 1 948	18 7 949	95	1950 1951 1962 1953 1954	FA HEALTH CENTER	DISTRICT
TAN.		-1	4	1	_	4	-1	1	-1	3		7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	_	4	1					<u>;</u>	T 000 700 700 0	LANHAT	
Gentral Harlem	459 517								473	490						375 3	318 33	333 33	331 306	6 237	6 ~	Central Harlem	
									6	182											2	East Harlem .	
Bay-Yorkville		_							119	97					' ,						S.	Kips Bay-Yorkvill	ville
Lower East Side									269	245						•			_		• 4	Lower East Side	le
Side		449	363	344	361	342	350	295	275	243	992	569	251 1	181 2	279 2					.8 193	10	Lower West Side	le
Riverside									182	196					• •		_				4	Riverside	•
c									158	169							_				4	Washington Hgts	t B
Miscellaneous									ത	27												Miscellaneous	•
attan	R		-	l	I	ᅥ	l	~	1741	1734	_	~	┌┑	_	H	550 1437	37 1401	01 1482	32 1237	1084	4	Manhattan .	•
BRONX:			_																			BRONX:	
Fordham-Riverdale	113 107					75		74	2	73	8								50 32	88 24	4	Fordham-Riverdal	lale
Morrisania	130 146	14.	123	154	127		127	117	103	129	68	108	110 1	133 1	117 1	127 1			117 9	92 87	4	Morrisania	•
Mott Haven	162 157							130	118	128	95				•						1	Mott Haven	••••••
Pelham Bay								40	34	52	35							35		_	12	Pelham Bay	
Tremont								104	86	81	83										38	Tremont	
Westchester								64	2	48	45										26	Westchester .	• • • • • • • • • • • • • • • • • • • •
Bronx			_					569	522	524	434			_		l	454 44	442 38	10	1 272	2	Bronx	• • • • • • • • • • • • • • • • • • • •
			_			_								_								BROOKLYN:	
Bay Ridge	106 124						130	88	79	72	25					92	72	22	64 4		35	Bay Ridge	• • • • • • • • • • • • • • • • • • • •
Bedford							19	166	142	167	175								163 126	_	7	Bedford	•
-							26	6	6	á	56				'	•					47	Brownsville.	
Bushwick							133	פר	122	50.	8							78			45	Bushwick	
Flathigh	157 115						110	9	5	8	8 5										44	Flathweb	
Fort Choose	200 213						176	7.0	142	147	3 5										# BB	TOTAL CHOOLS	
							2 6	א כי סי	747		101				1	1 1					S &		
		יים בים ב	2 2	100	00 5	2 6	77	724	ָ בּי	ָה מי	2 0	3 6	n e	n 0	† 6	_		2 6	V 0		- T	pravesent	• • • • • • • • • • • • • • • • • • • •
Red nook-towanus							100 t	7 0	TIO	2 2	ם מ				7	٦					70	ned nook-dowanus	ena
Sunset Fark	STT OCT						007	140	2 6	2 6	7 6							26			1 Q	Sunset Fark	
eenpoint	'	_ '	_!	- [1	ا ا	با-	127	155	152	T25	001			+		35	4			\dashv	2.0	WmsbrgGreenpoi	point
1yn	487 1442	기	븨	ᅦ	ໆ	긔	1269	1170	1074	1054	1079			4			886 7.	799 79	799 652	52 618	89	Brooklyn	• • • • • • • • • • • • • • • • • • • •
QUEENS:									1	İ	,										,	1	
Astoria-L.I.City									75	72	85										47	a-L. I	.city
Corona									43	62	7,							52		40	විධි	Corona	• • • • • • • • • • • • • • • • • • • •
Flushing									2	ស	47						42				ឆ្នំ :		• • • • • • • • • • • • • • • • • • • •
	82 73	2	6	72	88	82	16	101	6 8	74	75	74	22	85	83	79			60		44		• • • • • • • • • • • • • • • • • • • •
•									101	\$	8							73		 	53	Jamaica West	_
Maspeth-Forest Hills									62	99	59						61			_	7	Maspeth-Forest	t Hills.
Queens	545 504		_						440	421	420		-		•			412 36	365 292	32 292	12	Queens	••••••
RICHMOND:													•									RICHMOND:	
St. George	88 76				77		57	43	37	09	40	45	35	K.	63	K)	43	, 08	43. 4	47	r.	St. George	• • • • • • • • •
Tottenville			\dashv					9	14	13	2	17	14)									Tottenville.	• • • • • • • • •
Richmond	109	82	_		1				99	81	61	75	92	92 1	110 1	112	06	74	79 8	85 5	55	Richmond	
New York City Residents. 5	5056 4955	47	4355	4402	4250	4217	4431	41		3659	3476 3	567 3			K		3032 2908	08 2859	59 2374	74 2143	ស៊	New York City Residents	Residents
Non-Residents	132							72	73	80	79	92	92]	105 1	129 1	132 1		120 1		85 8	81	Non-Residents	
Unknown	10= 22		_			\dashv	- 1		- 1	75	72		- 1	$\overline{}$		જ	38	1000	126 118		97	Unknown	• • • • • • • •
NEW YORK CITY TUTAL 5	5160 5089	4922	8 4540	4577	4420	4371	4585	4264	3833	3814	5627 3	1715 3	502 36	3660 35	34 3	513 52	5245 5128	28 3112	12 2577	17 232	_	NEW YORK CITY	TOTAL
								,								1			:				

NOTE: Included in the borough and city totals are deaths of miscellaneous population on islands, boats, and in parks, also deaths of non-residents and persons with unknown address. Assigned to proper health center district.

TUBERCULOSIS* DEATH RATES, BY HEALTH CENTER DISTRICTS New York City. Since 1929

127 128 138								f			•												
THE CONTENT DESTRICT TARGET 1850 1850 1850 1850 1850 1850 1850 1850										r 100	,000 r	opula	tion e	ie of		0	each	year					
The control of the co		1929 1	_	21	1932 1					327 15	38 19	191 194	1941	1942		4	1945	946 1	347 19	Į		1951 1952 1953	HEALTH CENTER DISTRICT
t final-term	MANHATTAN:												ļ			•	1				<u> </u> 		MANHATTAN:
Table State	Central Harlem		251	258									_		~	178	175	148		٦		60	Central Harlem
Table 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			136	134												62	99	รร				38	East Harlem
are Taken 1154 115 115 115 115 115 115 115 115 11	Kips Bay-Yorkville		74	68												37	40	31				25	Kips Bay-Yorkville
The Wheel Side — 175 144 145 145 145 145 145 145 145 145 14			115	119												81	92	82				69	Lower East Side
Main-Native Highs			154													97	103	87				60	
analytication Right	٠	99	74	68												X	7.	5	54			52	Riverside
Main-Newton 122 128 12	Washington Hots.	73	72	67												ļ [c	ָ ֡ ֡	7 7	, K			C	2
Object Application 65 57 42 48 52 44 52 52 44 55 52 45 52 52 45 52 52 45 52 52 45 52 52 45 52 52 45 52 52 45 52 52 45 52 52 45 52 52 45 52 52 45 52			126	124												2	8	2 7	2 2	20		2	Manhattan
Object Object<					1		┸	1		L		1	1	1		2	3	<u> </u>	<u> </u>	2	_		TO COUNTY .
Turbar Larranta.	Tomather Distance of	¥	0	7	9	Ç	4		•							Ĺ	6	- (1			•	
Transmission	roranam-niverdale	2 :	20	7 .	3 .	ָּבְּאָ מְ	Ç,		4 1							S2	22	30	22			<u>-1</u>	Fordham-Riverdale
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bone bay. 66	Mott Haven	2	89	22	겁	29	ဝွ	55	63							47	\$	43	42			Į;	Mott Haven
worker 46 45 46 <th< td=""><td>Pelham Bay</td><td>99</td><td>73</td><td>42</td><td>46</td><td>51</td><td>4</td><td>4</td><td>37</td><td></td><td></td><td></td><td></td><td></td><td></td><td>22</td><td>30</td><td>21</td><td>25</td><td></td><td></td><td>00</td><td>Pelham Bay</td></th<>	Pelham Bay	99	73	42	46	51	4	4	37							22	30	21	25			00	Pelham Bay
tcheeter	Tremont	46	43	40	36	38	37	4	38							7.	, C	2	6) KI	Tremont.
State Stat	Westchester	2	4	47	45	4	37	8	4.							\$ 6 4	} c	} ₹	2 0			2 9	用ostorio
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Ridge	•	5	3	3	2	3	2	¥	Ç							t'	0.0	70	70	7	7	9	Bronx
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March Cord	Bay Ridge	88	43	34	31	24	32	36	43							8	54	53		ನ	15	. □	Bay Ridge
The state of the s	Bedford	22	22	64	46	48	29	55	65							61	54	47		53		44	Bedford
three by Sa Sa Sa Sa Sa Sa Sa Sa Sa Sa Sa Sa Sa	Brownsville	8	37	32	35	35	33	33	33							28	22	6		α		2	Brownsville
tbush 40 52 54 52 50 50 1 24 22 25 25 25 20 21 20 17 21 16 16 10 9 9 11 10 10 10 9 12 12 12 12 12 12 12 12 12 12 12 12 12	Bushwick	62	42	55	49	ις: Κ	47	5	47							, K	K 10	4 12				- 0	District of the control of the contr
t Greene		4	K.	7.	, K) K	. K	8 8	. 6							3 8	, t	5 6				<u>.</u>	THE TAREST SECTION OF THE PARTY
Hook-Gowanus	Fort Greens	9 4	g	3 6	3 6	2 C	3 6	3 5	ž 6							, i	- (1:				n (FLETOUSIN
Marcheller Ma	TOTAL DESCRIPTION OF THE PROPERTY OF THE PROPE	3 5	O M	9 6	- p	5 6	<u>*</u>	ť ;	5 6							B (א מ	က္က				O.	Fort Greene
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Fig. 1	Ked Hook-Gowanus		1 <u>10</u>	16	98	92	7.5	23	77							22	၀	28				69	Red Hook-Gowanus
Tooklyn 74 69 66 65 58 64 56 56 46 49 43 42 41 37 35 34 35 36 <t< td=""><td>Sunset Park</td><td>Z:</td><td>6</td><td>တ္တ</td><td>46</td><td>43</td><td>43</td><td>52</td><td>45</td><td></td><td></td><td></td><td></td><td></td><td></td><td>38</td><td>43</td><td>37</td><td></td><td></td><td></td><td>ಜ</td><td>Sunset Park</td></t<>	Sunset Park	Z:	6	တ္တ	46	43	43	52	45							38	43	37				ಜ	Sunset Park
FONLY FOR TITE TO SET 19 SET 1	WmsbrgGreenpoint	74	69	99	99	65	28	28	53				_			42	41	37				93	WmsbrgGreenpoint
FINS: String-L.I.City	lyn	29	2 6	22	48	48	46	47	48							36	34	33				53	Brooklyn
Ortlat-Li City 57 57 52 50 42 40 42 34 36 31 30 30 35 28 35 37 28 35 28 35 30 31 30 30 20	QUEENS:																						QUEENS:
ond 100 ma 100 ma <td>Astoria-L.I.City</td> <td>57</td> <td>57</td> <td>22</td> <td>20</td> <td>42</td> <td>04</td> <td>42</td> <td>ጷ</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>82</td> <td>35</td> <td>88</td> <td></td> <td></td> <td></td> <td>8</td> <td>Astoria-L.I.Gity</td>	Astoria-L.I.City	57	57	22	20	42	04	42	ጷ							82	35	88				8	Astoria-L.I.Gity
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peth-Forest Hills		50	40	8	4	42	37	8	42							Ķ	α) (. 0	
MoND: 1 4 42 45 41 40 59 55 53 51 52 51 29 26 28 24 19 19 Holmond 1 55 46 49 51 57 44 40 59 56 40 51 55 54 50 25 51 61 61 61 61 61 61 61 61 61 62 62 62 62 62 62 63 61 64 44 44 44 44 44 44 45 <th< td=""><td></td><td>40</td><td>α M</td><td>7.7</td><td>1 6</td><td>i</td><td>. <</td><td>} =</td><td>1 6</td><td></td><td></td><td></td><td></td><td></td><td></td><td>3 6</td><td>3 7</td><td>3 C</td><td></td><td></td><td></td><td>2 0</td><td>2001</td></th<>		40	α M	7.7	1 6	i	. <	} =	1 6							3 6	3 7	3 C				2 0	2001
MOND: 100 mond 100 mond <t< td=""><td></td><td>k K</td><td>200</td><td>100</td><td>2 5</td><td>2 5</td><td>2 4</td><td>7.</td><td>8</td><td>_</td><td></td><td></td><td>4</td><td></td><td></td><td>2</td><td>77</td><td>3</td><td></td><td></td><td>_</td><td>20</td><td>Maspeth-Forest Hills</td></t<>		k K	200	100	2 5	2 5	2 4	7.	8	_			4			2	77	3			_	20	Maspeth-Forest Hills
MUNUD:		3	9	r T	ř	74	1	† †	40				_			51	23	8	88			6	Queens
ichmond 70 60 51 44 51 55 49 45 45 42 45 45 61 61 61 64 47 47 44 46 45 45 45 45 45 45 46 45 46 45 46<	• • • • • • • • • • • • • • • • • • • •	67	26	20	42	49	ย	22	44							34	30	23					RICHMOND:
York City Residents	• • • • • • • •	20	60	21	44	21	53	38	49							61	19	49				63	Richmond
YORK CITY + 75 73 70 64 64 62 61 63 58 52 51 49 46 48 46 40 40 33 29	York City	:	11	88	62	62	59	29	61			-		-	46	43	43	39	37			72	New York City Residents
	YORK CITY	75	73	2	64	64	62	61	63	58	52 5		49	46	48	46	46	42	6		33		NEW YORK CITY +
	;		- 1			- 1	-		- 1							1		!			_[1	

TUBERCULOSIS DEATHS BY HEALTH CENTER DISTRICTS Annual Average During Five-Year Periods Since 1930

			al Ave					te per		
Health Center	1930-	1935-	1940-	1945-	1950-	1930-	1935-	1940-	1945-	1950-
District	1934	1939	1944	1949	1954	1934	1939	1944	1949	1954
: nattaham			,		,					
Central Harlem	506	527	422	333		245	253	200	154	
East Harlem	281	215	169	119		126	102	81	55	
Kips Bay-Yorkville.	154	120	99	87		63	149	3 9	34	
Lower East Side	339	250	246	236		106	93	ี่ 83	78	
Lower West Side	394	301	249	2 56		135	106	8 6	89	
Riverside	196	193	167	162		67	61	50	8 9 46	
Washington Hgts	181	174	156	127		67	59	50	41	
Manhattan	2188	1907	1604	1421		117	101	84	73	
BRONX:		-3-1								
Ford'm-Riverdale	95	76	58	52		149	36	26	23	
Morrisania	139	าว่อ	111	112	I	47	3 9		38	
Mott Haven	143	130	104	99		62	39 56	37 45	38 43	
Pelham Bay	56	38	34	28		51	31	25	20	
Tremont	113	103	8 0			70	31 34	26	19	
Westchester	75	59	54	59 43		39 43	77 71	26	18	
Bronx	635	563	483	423		49	31 41	34	29	
BROOKLYN:	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		70)	72)		- 77			<u>-, </u>	
Bay Ridge	104	95	83	63		35	31	26	20	
Bedford	157	95 166	174	147		35 54 34 52	56	57	48	
Brownsville	102	91	79			37	31	27	20	
Bushwick	124	112	90	56 74		52	31 47	38	31	
Flatbush	118	104	96	75		31	2E	21	16	
Fort Greene	175	155	123	75 108		81	25 74	58	50	
Gravesend	67	58				30		21	14	
Red Hook-Gowanus	167		56	38 80			23			
Sunset Park		130	100	89 77		91 47	73 46	57 70	51 20	
Wmghan Caracaia	107	105	90	73		41		39 47	32	
WmsbrgGreenpoint.	159	135	108	<u>81</u>		65 50	57 144		<u>37</u> 30	
Brooklyn	1297	1162	1006	812	_	20	44	37	∪ر	
Astoria-L.I.City	104	d٥	70	67		48	75	70	26	
Corona		82	79 55			142 40	35 75	32 30		
	65 56	59 61	55 57	47		42 42	35	30	23 16	
Flushing	70		57	41			38 30	<i>з</i> јг 58		
	81	83	78	6g		43	39 40	,	27	
Jamaica West	101	101	80	69 50		41		31	26	
Maspeth-For.Hills .	75	73	66	50		39 45	<u>35</u>	<u>29</u>	20	
Queens	506	472	432	<u> 371</u>			38	32	25	
RICHMOND:	80	62	<u>57</u>	सम		50	36	32	23	
Richmond	84	69	83	88		52	40	46	47	
NEW YORK CITY	4710	4173	3608	3113		67	57	4g	40	
** Damasak 3 11 1	A - 7 - 4.			^						-

[†]Borough and city totals include deaths of miscellaneous population on islands, boats, and in parks, also deaths of non-residents and persons with unknown address.

TUBERCULOSIS MORTALITY AMONG NONWHITE* RESIDENTS BY HEALTH CENTER DISTRICTS
New York City. Since 1929

							Josepha	ر ا	****			1	A								
HEALTH CENTER DISTRICT	1929 1930	1931	1932	1953	1934 1	21,935(19	1936 [1937]	27 193 57 193	1938 1939		100 F	1942 1945	1043	1044 119	945 1948		40110	0701 9701 4701	101	1950 1951 1951 1951	THE THE SEMESTER STORESTON
MANHATTAN:	-										1	₹ 2 1	2	<u> </u>	7		24	101	2	#AAT AACT YACT TAGT AA	WANHATH AN.
Central Harlem	350 410	4	430	426	391	496 4	476 50	500 42	24 447	400	439	376	394	355		296	319 31	518 29		222	Contral Harlem
East Harlem	55 74		84	83	86	67						N.	00	5	BC)	45 36		300	Fort How by
rkv11		7		ະດ	9	N						3 ^	3 0	; -	9 0	3 0				S: -	Kine Rev. Vorlorille
Lower East Side	20 33			8	60	24				י כ ניקט	ર જૂ	K	¥ C	1 40	4 %					1 C	
		_	77	82	89	99	67	61 5				4 6	2 6	44	4 4		200		, K	# 4 0	A Page
Riverside	53 49			25	ጃ	61			62 87			46	61	77	88					<u>₹</u>	aton.
Washington Mgts	54 61			82	67	77						6	7.5	. œ	ξ 2					ı ı	٠,
Miscellaneous				ю	, KQ							+	<u> </u>	3 +	2 +	! +				, } +	Mesollonems as
Manhattan	648 739	79	759		Ļ		819 AC	8	73	8	5	828	657	١.,		1		7	+	420	Manager and a second
1				;	\perp		,	+			\perp	200	3						+		
Fondban-Riverdal e	0		ď	K	_	c	,					•	_	((•		_	•	BROMA:
Mowniponie	קר	2 0	ָ ק	ק	# L	א ה	- -	_) 	o (٠,	V 1	⊣	<u>-</u> ا	٥ إ	- ;	~+ <u>;</u>			o !	Fordham-Riverdale
TIPET TARE			2;	CT .	ი (<u>က</u> ၊	χο <u>(</u>	_				52	4 3	55	55					47	Morrisania
Motor haven	ж ж	⊣	Ç T	4	12	2	2	<u>ი</u>	ဖ		~	10		11	15	ರಾ		12 1	14	မ	Mott Haven
Pelham Bay			_	60	ત્ર	- -1	ю				<u>.</u>	7	-	0	- -1					-	Pelham Bay
Tremont	ω 4	-	œ	#	4	14	_					N	4	o,	4	7			4	т.	Tremont
Westchester	7	5	0	ю	П	4	~		_		8	10	0		_	С	ю		C	C	-
Bronx	25 47	48	39	47	43	47	36 3	~	8 29	~	100	48	63	85	88	62				r:	Bronx
BROOKLYN:																					BROOKI, TN:
Bay Ridge		ו	8	_	~	ю	4		24	0	4	Ю	-	ю	8	4	_		_	_	Bay Ridge
Bedford	4		39	55	99	92	8	81	82	0	103	911	9	ו 17.]]]		_		1 82	ıg	Bodford
Brownsville	16 15		14	7	1.5	2			_	ŧ	, K		2 0		14	- 4		76		ט ר ט ר	Decision and an arrangement of the property of
Bushwick			9	4	γ α	}		1			2 4	۲ ه ۲	2 5		۲ C		֓֞֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓			÷ 4	Drownsville
			4	• α	> <	- K	,				ט ע	3 6	# F	םם	, מ				o 1	ဝ	DUSINITER
Wort Crosse	ď	_	¥ 4)	۲ (. 5		_				o (o (o i	٦ ;					ν.	Flatbush
			3 °	5 1	7 M	# N	_	٥		ָהָיים מילים	<u>ი</u>	5	מ מ	4 ပ	S G	4 ,		ا ئ ن		4-1	Fort Greene
	-	r	و د	ם כ		ָם נ				_		4	· ·	<u>.</u>	2				ن	۰ م	Gravesend
Simple Deal-		4	י נ	<u>ş</u> ,	4 (-	-	_		10		œ	တ				σ	ထ	Red Hook-Gowanus
Mashar Carrentant	_		-1 <u>:</u>	٠,	۰,	- 1	, ,	0 !	0	_	0	-		,	0				<u>~</u>	0	Sunset Park
··· outoduaa.m-·S.rosuu			3		4			5 1	$\frac{5}{11}$	15	ω	14	မ	မ	မ	10	5	2	\dashv	16	WmsbrgGreenpoint
Brooklyn	124 190	_ 185	158	182	186 2	215 2	233 21	81 6	9 220	236	218	213	205	226 1		16	212 22	222 17	76 197	<i>L</i>	Brooklyn
QUEENS:																					OTTENS
Astoria-L.I.City	2 1	7	ю	~	7	0	,-	0		_	-	-	rH	C		C				r -1	Astoria-I. T. City
Corona			- -1	သ	2	6	9		6 7		-	မ	မ	ဖ		00	4		-	1 63	
Flushing		4	ဖ	7	10	9	_				ъt	σ	K.	ָר ב						e RC	£
Jamaica East	16 15	16	8	11	45			~			19	23	, K) W			. 25	_		71	
Jamaica West	3		9	ю	4					10	α	ı	2	4				1	2 -	· rc	# to a
Maspeth-Forest Hills.		0	0	0	0	Н	0	0	ָר ר		· ~	0	 F-1	0		0 0	0	. 0) (•
Queens	35 35	36	43	53	55		52 5	4		37	36	4	43	2	21				38 4	41	
RICHMOND:				,							•										RICHMOND:
St. George	n (4,	ω (Н,	ro.	رب س	ა .	4	<u>ي</u>	N	6 0	2	ဖ	ю	4	4	8	60	St. George
Tottenville		2	7	0	~ -1	ᇜ	0			0	0								!		Tottenville
K1chmond			9		+		ဇာ		5 7	ស	2	8	14	15	17	11	12	8	9	4	Richmond
New York City Residents	(O)	S.	985		<u>디</u>	H	26 1098	93	9 1014		966	912	96		_	846 8	699	918 796	969	Q	New York City Residents
Non-Residents	17 27	16	1 2	ωį		13			7 6	נו	2	11	16	_	36	8	22			o.	-Residents
Unknown			_	33	20		13 1	• <u>•</u>	13		ដ	13	ဖ	ည				34 3	_	18	Unknown
NEW YORK CITY TOTAL	841 1017	1073	1005	1024 10	11 210	1104 11	111 94	7 951	1 1053	987	1013	926	982 1	013 1	005 8	887 9	943 97	970 842	12 717	7	NEW YORK CITY TOTAL
*Nonwhite includes Negroes	oes, Chinese,	ם.	apanese	e and]	Indians		tAssig	gned to	o prop	er h	ealth co	enter	district	ict.	Note:		Borough s	and c1	city to	totals include deaths of	miscellaneous

tion on islands, boats, and in parks, also deaths of non-residents and persons with unknown address.

RECORDED AND RESIDENT TUBERCULOSIS MORTALITY, NEW YORK CITY, SINCE 1932

- ABOUT	TORD AND F			TOSTS WO	RTALITI,	NEW TORK	CITI, S	- 193	
		orded in	1 Town	_	Resid	dent Morta	ality On	ly, Anyw	here
Tio e o	Resi-	Non-	.	_	_			 .	_
Race Year	dents	Resi-	Tota		In	Upstate	Out-of-	Tota	
ALL RACES:	of City	dents	Number	Rate*	Town	New York	State	Number	Kate-
	4,443	^7	31 5310	C)	ALL RA			- A-A	
1932 · · · · · · · · · · · · · · · · · · ·	1,501	97 73	4,540 4,577	5 1	4,443 4,504	575	28 51	5,020	/ 1
1934 · · · · · · · · · · · · · · · · · · ·	4.343	77	4.577 4.420	62	4.343	1118	20	5.073 4.811	67
1935	4 504 4 343 4 289	73 77 82	4,371	6ī	4,289 4,498	519 508 448 488	58 61 20 47	4.824	67
1930	4.498	87	4,585	63	4,498	514	<u>51</u>	5.063	70
1938	4,192 3,760	72	4.264	58	4.192	550	56	4,798	bb 50
1939	7.73h	73 8 0	3,833 3,814	52 51	3,750 3,734	1449	48 16	4,257	20 57
1938 1939 1940	3.734 3.548 3.623 3.410 3.568	79	3.627	140	3,548	550 449 455 457 485	50	4,234 4,055	54
1941	3,623	79 92	3,715	149	3.623	485	62	4,170	56
1942	3.410	92	3,502 3,660	46	3.410	511	25	3.946	52
19457	3.568	92	3,660	48	3.568	511 562 515 143	40	4,170	55
1945	3,419 3,385	158	3,534 3,513	#2	3,419	35.5	70	3.990 3.868	26
1946	3.132 3.020	113	3.245	42	3,419 3,385 3,132	402 402	47	3,624	47
1947	3.020	92 92 115 128 113 108	3.245 3.128	40	3.020	402	35	3.457	45
1948 1949	2.995 2.497	117 80	3.112	40	2,995	432	37	3.464	77
3950	2,249	72	2,577 2,321	4421382199686629939 4421382199686629939	2,497	432 334 273	5168502506075733 5168502506075733	2,874 2,545	7716676687462555544472
VHITE:	E1547	15	<u> </u>	- 27	WHITE:	213		2,545	<u> </u>
1932 1933	3,451 3,488	874	3,535	53	3,451	480	50	3,981	60
1933	3.488	#658866	3.535 3.553 3.408	53	3,451 3,488	480 465	58	3,981 4,011	60
1934 1935	3,344 3,198	64 60	3,408	50	3,344	409	19	3,772	56 56
1936	3,359	80	3,267 3,439	48 50	3,198 3,359	435 446	μξ	3,675 3,851	56
1937	3.084	63	3.147	4 6	3.084	477	53	3.614	53
1938	2,816	65	2.882	42	2,816	399 392 387 405	50892654184122 145418412341	3.259 3.140	45
1939	2,707	74 68 85 81	2,781	40	2.707	392	41 hg	3,140	45
1941	2.572 2.617	85	2.702	39	2.572 2.617	30 F	51 51	3,007 3,076	孤
1942	2,485	8 1	2,702 2,566	37	2.485	454	źi	2,960	42
1943	2,589	89	2,678	38	2.589	454 493 437	32	3,114	11,11
1944	2,427 2,414	89 94 94 91 88	2,521 2,508	35	2.427 2.414	437 376	4 <u>1</u> 21	2,905 2,820	41 10
1546	2.267	9ī	2.358	33	2.267	357	31 39 29	2,663	70 38
1547	2.097	88	2,185	3 1	2.097	346	2 9	2,472	35
1948	2,044	98	2,142	30	2.044	365	<u>34</u>	2,443	34
1948 1949 1950	2.097 2.044 1.670 1.542	98 65 62	2,142 1,735 1,604	555456620897866331045	2.044 1.670 1.542	346 365 262 210	34 35 19	2,443 1,967 1,771	6665555444444444 6665555444444444 8533885
NONWHI TE: **	±1,/+C	<u> </u>	1,004	رء	NONWHIT	me -		· .	<u></u>
	992	13	1.005	270	992		g	1,039 1,062 1,039 1,149 1,212 1,184 998 1,094	279
1933	992 1.016	ğ	1,024	270 266	992 1,016	43	3	1,062	276
1934	999 1,091 1,139 1,108 944 1,027	13 13 13 7 97 6 11	1,024 1,012 1,104 1,146	254 268	999 1,091 1,139 1,108 944	<u> 39</u>	1	1,039	279 276 260 278 284 269 220
1935	1,091	15	1,104	268	1,091	22	2	1,149	2 6)⊓ 519
1937	1,108	į,	1,140	269 254 210	1.108	73	3	7.184	269
1938	- '944	7	7,551	210	944	ร์ดี	4	998	220
1939	1.027	6	1,033	221	1,027 976	63	7‡	1,094	234 216
1940	976 1,006	11	987	204	976	70	2	1,048	216
10)10	T,00p	.7	1,146 1,117 951 1,033 987 1,013 982 1,005	197	1,006	39 39 35 35 35 35 35 35 35 36 37 37 38 37 38 37 38 37 38 38 38 38 38 38 38 38 38 38 38 38 38	8	1,094 986 1,043 1,085	213 181
1947	925 966	11 16	סל ל משפ	171	322	31	# g	1 UTZ	1 8 5 TOT
1944	992	21	1.013	168	992	78	15	1.085	182 180 165
1945	97ī	21 34	1,005	159	971	68	_ 6	1,048	165
1946	992 971 865 923	22	887	134	865	ន្តន	ğ	961	145 142
1947 ····	923	20 10	943	136	923	50	D 7	985 1,021	142 141
1932 1933 1934 1935 1936 1936 1938 1940 1940 1941 1942 1944 1944 1945 1946 1946 1946 1946	951 827	22 20 19 15 10	887 943 970 842	204 197 172 171 168 159 134 136 134	925 966 992 971 865 923 951 827	88 56 67 72 63	87155744 284 85986 784 -	907	120
1950	707	īď	717	92	767	63	4 ,	907 774	99
#D== 100 000		##1		11 1		47004			

*Per 100,000 population. **Negro and "other" colored. *Deaths of 13 residents for whom details by race were not known are included in the total. Based on reports, courtesy of the Office of Vital Statistics, New York State Department of Health.

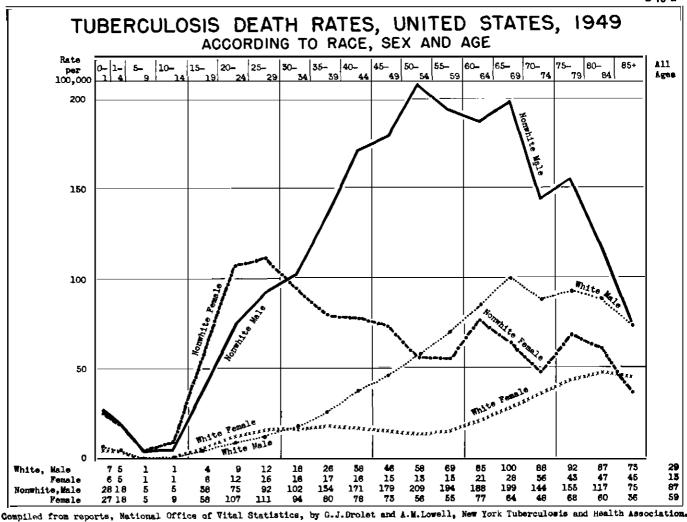
TUBERCULOSIS MORTALITY

UNITED STATES

1900-1950

10050000000	MORTALITY IN			, , , , , , , , , , , , , , , , , , , 	30
Year	Deaths, All			or 100,00	JO
Iedt.	Registration	Entire	Pul-	Other	
	Area	บ. S.†	monary	Forms	Forms_
1900	62,096	153,781	182	20	202
1901	61.767	153,162	176	21	197
1902	59.083	146.826	164	21	185
1903	61.040	153,059	167	2 2	189
1904	66,921	166,029	178	23	201
1905	65,478	161,701	168	24	192
1906	75,6 4 8	154,507	157	23	180
1907	76,759	156.545	156	23	179
1908	78,409	149.643	146	22	168
1909	81 835	146,013	139	22	161
1910	86,309	147,627	140	20	160
1911	94.205	148,955	138	21	159
1912	90.360	142,646	130	20	150
1913	93.421	142,838	128	20	148
1914	96,903	143.953	128	19	147
1915	98.194	145,040	128	18	146
1916	101,396	143.076	124	18	142
1917	110,285	150,194	129	18	147
1918	122,249	155,381	133	17	150
1919	106,985	132,304	111	15	126
1920	99.916	121,459	101	13	114
1921	88,135	107.126	86	13	99
1922	90,452	105,478	8,1	12	96
1923	90,732	103.730	81	12	93
	89.724	101.882	78	12	90
1925	89,268 91,568	99.934	76	11	87
1927	87,567	101,383	76	10	87 81
1928	90.659	95,739 94,691	71		
1929	88.352		70 68	9 8	79 76
1930	84,741	92,360 88,000	63	g	71
1931	81.395	84.521	61	7	68
1079	75.509	78,484	56	7 7	63
1932 1933	74,842	74.842	54		6
1934	71,609	71,609	51	6 6	57
1935	70.080	70,080	50	Š	55
1936	71,527	71.527	5	5 5 5 4	56
1937	69.324	69.324	51 49 45	6	56 54 49
1938	63.735	63.735	1 12	ŭ	140
1939	61.609	61.609	43	14	47
1940	60.428	60,428	42	ļ Ļ	46
1941	59.251	59.251	42	3	111
1942	57,690	57.690	40	🛪	43
1943	57.005	57.005	39	14	43
1944	54,731	54.731	38	3	41
1945	52,916	52,916	37	3	40
1946	50,911	50.911	33	3	36
1947	48,064	48.064	31	3	34
1948	43.833	43,833	28	ĺź	30
1949	39.100	39,100	24	334 333322	26
1950¶	33.557	33.557	21	2	23

*From reports.National Office of Vital Statistics. †Figured by applying death rate in Registration Area to population of entire continental United States. Note: In 1900, the Registration Area covered only 40.5% of the population numbering in the entire United States. 76,129,408; in 1910, 58.3% of 92.267.080; in 1920, 82.3% of 106.543.031; in 1930, 96.2% of 123.091.000; beginning 1933, entire continental United States, population, 1940=131,669,275; 1950=150.697.361. Provisional.



displaced from 1-6505 des inculosings defended of visual decembers, of

LEADING CAUSES OF DEATH, UNITED STATES, 1949 BY RACE AND SEX

					Deaths					De	ath Re	te per	100,0	00		Г
8	Cause of death			White		No	onwhite		Rate		White			onwhit	e	2
Libe		Total	Both	Male	Female	Both	Male	Female	All	Both	Male	Female	Both	Kale	Female	13
		Deaths	Sexes	Deaths	Deaths	Sexes	Deaths	Deaths	Races	Sexes	Rate	Rate	Sexes	Rate	Rate	
1	Heart diseases	516568	471425	281776	189709	47143	25141	22002	349	354	426	283	500	328	274	1
2	Malignant neoplasm	206325	190266	96459	93827	16059	7573	6466	139	143	146	140	102	99	105	2
5	Cerebral hemorrhage	149953	151590	64490	66900	18565	8702	9861	101	99	98	100	118	118	125	5
4	Accidents	90106	79678	54876	24802	10428	7600	2828	61	60	83	57	66	99	35	4
5	Pre-birth, dis.infancy	83043	69755	40553	29202	13288	7484	5804	56	52	61	44	85	98	72	5
6	Pneumonias	40058	52426	18679	15747	7612	4268	3344	27	24	28	21	4.8	56	42	6
7	Tuberculosis	39100	27718	18884	8854	11382	8654	4728	26	21	29	15	72	87	59	7
8	Dis. arteries	33853	31416	16289	15127	2437	1521	1116	25	24	25	25	16	17	14	8
9	Nephritis	29552	23859	12760	11099	5675	2865	2808	20	18	19	17	38	37	3 5	9
10	Dis liver, gallbladder, pancreas	26948	24814	13074	10940	2134	1160	974	18	19	21	16	14	15	12	10
11	Diabetes	25089	22875	8717	14158	2214	714	1500	17	17	13	21	14	9	19	11
12	Suicide	16993	16350	12668	3662	663	541	122	11	12	19	5	4	7	2	12
13	Hypertension	12199	9968	4931	5057	2211	1078	1133	8	8	7	8	14	14	14	15
14	Hernia, intest. obst	9854	87 07	4496	4211	1147	614	533	7	7	7	6	7	8	7	14
15	Syphilis	8581	5563	4221	1342	3018	2080	938	6	4	6	2	19	27	12	15
16	Dis. stom., duodenum	8151	7368	5995	1373	785	574	209	5	6	9	2	5	7	3	16
17	Komicide	8035	3643	2723	914	4390	3485	905	5	3	4	1	28	45	11	17
10	Prostate, hyperplasiat	6860	6097	6097		763	763		9	9	9	-	10	10	_	18
19	Benign neoplass	5861	4940	2104	2856	921	254	687	4	4	3	4	6	3	9	19
20	Influensa	4602	3360	1704	1656	1242	646	596	3	3	3	2	8	8	7	20
21	Appendicitis	5744	3193	20 02	1191	551	32 5	228	3	2	3	2	4	4	5	21
22	Bronchitis	3284	2871	1751	1140	413	199	214	2	2	3	2	3	3	3	22
-	Other (remaining) causes	112890	91146	50194	40952	21744	11105	10641	72	63	77	62	153	145	129	
	All causes	1443607	1248848	726169	542679	174759	95122	79657	972	954	1099	611	1112	1239	990	1

*Classified according to 6th rev. (1948) Inter. List Causes of Death (1) Diseases of heart 410-445; (2) malignant neoplasms, neoplasms of lymphatic and hematopoietic tissues 140-205. (3) wascular lesions affecting central nervous system 550-554; (4) secidents 800-982; (5) congenital malformations 750-759, certain diseases of early infancy 780-776; (6) pneumonia, except pneumonia of newborn 490-493; (7) tuberculosis, all forms 001-019; (8) diseases of arteries 450-456; (9) nephritis and nephrosis 590-594; (10) cirrhosis liver 581, cholelithiasis and cholecystitis 584,585, other dise digestive system, residual; (11) diabetes mellitus 280, (12) suicide 965, 970-979, (15) hypertension without mention of heart 444-447; (14) hernia and intestinal obstruction 560-570; (15) syphilis and its sequelee 020-029; (18) ulcer stomach 546, ulcer duodenum 541, gastritis and duodenitis 545; (17) homicide 964, 980-985, (18) hypertensia of prostate 610; (19) benign neoplasm and neoplasms of unspecified nature 210-259; (20) influence 480-485; (21) appendietis 550-555, (22) scute bronchitis 500, bronchitis, chronic and unqualified 501, 502.

Rate based on male population.

Based on reports of National Office of Vital Statistics.

	Federal		Dea	the, 194	9	L_		Resi	dent Death	Rate*			
STATE, DIVISION	Census	Nonwhite		Non-	A11	Ì	Non-	All					
-	1950+	Population	White	white	Races	White	white	Races () 10	20	0ر	40	50
NEW ENGLAND									•		•		•
Vermont	577,747	559	98		96	27	-	27					
Massachusetts	4,690,514	64,000		71	1,127	22	109	24					
Rhode Island	791,896	14,661	146	22	168	19	148	21					
Maine	913,774	2,927	188	1	189	21	34	21					
Connectiout	2,007,280	54,953		55	410	19	100	21					
New Hampshire	555, <u>242</u>	967	68	1	69	13	101	18					
IDDLE ATLANTIC			l			l .							
New York	14,850,192	928,000		1,075	4,560		116	30					
New Jersey	4,835,329	278,000		328	1,277	21	119	27					
Pennsylvania AST NORTH CENTRAL	10,498,012	654,000	2,040	643	2,685	21	99	26					
Illinois	8,712,176	628,000	1,753	731	2,484	22	118	29					
Ohio	7,946,627	470,000	1,437	548	1,985	19	154	25					
Michigan	6,571,766	452,000	995	436	1,431	17	98	23					
Indiana	5,954,224	175,785	649	152	801	17	67	21					
Wisconsin	5,434,575	41,884	428	23	451	15	57	14					
EST NORTH CENTRAL		•				l		•					
Missouri	3,954,653	315,000	826	233	1,059	23	75	27					
South Dakota	652,740	24,256	49	62	111	8	270	18					
Minnesota	2,982,485	28,805	361	16	577	1.3	57	13					
Nebraska	1,825,510	24,166	120	34	154	10	145	12					
North Dakota	619,636	11,188	55	12	67	10	114	11					
Kansas	1,905,299	76,358	186	20	208	11	27	11					
Iowa	2,621,075	21,507	237	7	244	9	55	10					
OUTH ATLANTIC						l		_					
District Columbia	802,178	284,031	158	5 00	438	25	101	52					
Maryland	2,543,001	580,014	461	461	922	24	119	59					
Delaware	518,085	44,207	66	47	113	24	106	55					
Virginia	3,318,680	737,058	475	501	976	19	68	30					
Georgia	3,444,578	1,084,005	370	573	943	16	55	26					
West Virginia	2,005,552	115,268	455	75	550	25	67	27			l.		
Florida	2,771,305	605,258	313	574	687	15	64	26					
South Carolina .	2,117,027	823,624		356	503	12	46	25					
North Carolina . AST SOUTH CENTRAL	4,081,929	1,078,819		587	972	13	56	25					
Kentucky	2,944,806	202,876		215	1,255	39	109	44					
Tennessee	5,291,718	531 ,46 8	859	384	1,243	51	73	58					
Alabama	3,061,743	982,243	417	508	925	20	55	51					
Mississippi	2,178,914	990,485	202	408	605	18	43	29					
EST SOUTH CENTRAL	1 000 511	400 008	398	250	648	28	61	35				1	
Arkansas	1,909,511	428,008		250		29	51	52					
Texas	7,711,194	886,000	1,987 559	451	2,458 785	20	49	32 30					
Louisiana	2,685,516	886,968	558	426	530	19	90	25					
Oklahoma	2,233,351	200,796	936	172	330	1 19	9 0	25					
OUNTAIN	740 507	OF ONE	574	360	524	59	163	772 1					
Arisona	749,587	95,076 50,976	218	150 69	282	38	146	72 45					
New Mexico	681,187		48	10	58	32	39	36					
Nevada	160,085	10,176	75	54	109	14	188	19					
Montana	591,024	18,986	222		241	18	71	19					
Colorado	1,325,089	26,436 6,520	24	19 5	291	9	81	11					
Wyoming	290,529	7 242	52		56		56						
Idaho	588,637	7,242	44	4	60		156	10 9					
Utah	688,862	11,956	***	16		"	130	ן ש					
California	10,586,223	639,000	2,362	445	2,805	24	70	27			1		
Washington	2,578,965	62,468	375	62	437	16	99	18			•		
Oregon	1,521,341	24,215	208	17	225	14	71	16		_			

*Per 100,000 population as of July 1, 1949, based on Bureau of the Census reports. †Exclusive of armed forces overseas.

Note: Tuberculosis death rate: Alaska=174, Hawaii=21, Puerto Rico=146, Virgin Islands=22. Compiled from reports, National Office of Vital Statistics, by G. J. Drolet and A. M. Lowell, New York Tuberculosis and Health Association.

Fig. 16

*Exclusive of de	All Agest	75-79 80-84	55-59 65-69 	2.4.4.4.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2	15-19 26-24 30-34	10-14 2-9 1-4 1-1	Age
of H th	18884	822 378 127	2343	1673 1873 2142	890 849 1433 169	+362 263 263 263 263 263 263 263 263 263	Male Wh
among a	4588	450 250 102	566 589 510	1709 1709 1709	837 845 846 856 846 846 846 846 846 846 846 846 846 84	56688 8888	White e Female
s among armed for National Office	6 2 19	138 188	511 366 269 127	577 65 65 65 65 65 65 65 65 65 65 65 65 65	222 464 535 529	37 111 38 28	TUBERCULOS: Tuber culosis Negro Male Female
rces	भटभग	11 21 11	#85#	\$25.55	355 691 722 570	57.02 10.03	TUBERCULOSIS berculosis D Negro O ale Female M
Vital Sta	475	17 5 3	2222	2 4 88	ಬಿಗಗು	# # # # # # # # # # # # # # # # # # #	MOH ther
eas. †In Statistics	40g	2 # 55	キードー	2600	2442	01 77 01 01 01	, Al ol'd
Includes 32	25538	923 145 241	2881 2776 2351 1395	1907 2414 2639 2863	1218 1218 1218	172 172 173 143 143	Forms Al
	13562	1495 275 115	52,283	1326 1094 1326	1541 1355 1355 1340	131 136 116 128	SEX.
persons	0016£	260 469 8141	455 455 455 455 455 455 455 455 455 455	\$255 \$255 \$266 \$266 \$266 \$266 \$266 \$266	1064 2283 2836 2876	279 831 248 223	AND
ввоца	28.6	91.8 86.5 73.0	0.1-1-2 84-69	27.8 57.8 6.25.6 7.25.6	12:3 12:3 6:55	11.40	lool≘€ II.
ago was	13.2	42.5 47.3 44.9	15.0 20.9 28.0 35.7	17.2 15.7 15.3	5.5 11.8 15.7 16.1	\$ 504 5044	ITED te
toa	86.7	155.4 117.1 75.0	193.5 188.3 198.7	178.6 178.6 178.6	75.2 91.6	25.55 25.55 25.55 25.55 25.55 25.55	STATES, 19 Death Rate Nonwhite Male Fera
stated.	58.8	68.2 59.5 36.1	90000	57.7 77.9 77.9	1 58.2 2 106.8 6 111.3 8 93.6	4.81 5.92 18.55 18.65	Rate per white
•	34.6	97.¥ 88.5 69.1	78.6 92.0 91.5	7877	7.00 16.00 16.00 16.00	6.00 H	Male
	18.1	45.54 43.54 43.54	4.05 9.05 54.0 1.8	24.0 21.8 21.1 17.0	2.08 6 5.00 6 5.00 6 6.00 6 7.	2.00	00 1 Race
_	26.3	56.6 56.4 56.4	<u> </u>	<u>ন্ন্ন্ত</u> কুপ্লপ্ল	3,0,0,0 3,0,0,0	0 % Q /2 0 in Q is	rotal
İ	A11	75-79 80-84 67-27	54852 54852	_{ፚ፟} ፝፞፞፞ ዸ ጱ ፟ລ [፞] ዹ፞፞፞፞ዸ፞ዾ፞	45.55 67.55 61.55	11-01 6-4 1-1	Age Age

TUBERCULOSIS MORTALITY IN FIFTY LARGE AMERICAN CITIES Among Residents, Year 1949

	1		1	g Resid					0	ddawb N	4L	D-4-5			
				Deaths,		1			Resident Death Rate*						
	Federal	Nonwhite		Nonwi		433		w	411						
CITY	Census 1950	Population †	White	Num- ber	Per-	Reces	White	Non- white	All Races	10	20	30	40	50	60
CITIES, OVER 1,000,000			_	, ,						•	-		•	•	•
Chicago, Illinois	5,620,962	509,437	1,042	650	58%	1,672	33	128	46					•	
Detroit, Michigan	1,849,568	305,721	464	549	45%	813	50	119	44					•	
Philadelphia, Pa	2,071,605	578,968	507	383	45%	890	50	104	45				=		
New York, N. Y	7,891,957	775,529	1,953	900	32%	2,855	27	119	36				_		
		211,585	491	125	20%	616	28	62	52				•		
Los Angeles, Cal CITIES, 500,000-1,000,000	1,970,358									_					
Baltimore, Maryland	949,708	226,053	247	349	59%	596	34	158	63						
Washington, D.C	802,178	264,051	138	500	68%	438	27	108	55						
Boston, Mass	801,444	42,744	358	51	13%	407	47	125	51						
Cincinnati, Ohio	503,998	78,685	159	112	45%	251	35	146	50						
New Orleans, La	570,445	182,682	154	159	51≴	275	35	77	48				-		
San Francisco, Cal	775,357	81,469	286	63	18%	549	4.2	81	46				•	Ī	
Buffalo, N. Y.	580,132	57,700	191	58	23%	249	35	160	43					•	
Pittsburgh, Pa	676,806	82,983	177	115	39%	290	30	139	43						
Cleveland, Ohio	914,808	149,547	228	162		590	30	112	43						
St. Louis, No	856,798	154,448	209	151	59%	340	50	87	40						
Houston, Texas	596,165	125,660	148	70	321	218	32	57	58				=		
	657,392	22,742	142	16	10%	158	23	74	25				_		
Milwaukee, Wis			101	5	3%	104	20	56	20			•			
Minneapolis, Minn	521,718	8,468	101		J/6	10-	40	30	40						
CITIES, 500,000-500,000	400 440	00 545	000	0.1		801	70	75	76					-	
San Antonio, Texas	408,442	29,545	280	21	7%	501	76	_							
Newark, New Jersey	438,776	75,626	139	110	44%	249	38	150	57						
Atlanta, Georgia	531,314	121,416	65	118	64%	183	31	98	56						ı
Birmingham, Ala	326,037	150,142	48	116	71%	164	25	90	51						
Louisville, Ky	369,129	57,772	109	75		184	35	132	50						
Toledo, Ohio	505,616	25,350	98	52	25%	150		150	45						
Indianapolis, Ind	427,175	64,091	96	66	41%	162		105	38						
Memphis, Tenn	396,000	147,287	45	89		134	19	61	35						
Kansas City, Mo	456,622	56,025	104	49	32%	155	26	89	74						
Columbus, Ohio	575,901	47,151	75	50	40%	125	23	108	34						
Portland, Oregon	575,628	15,240	115	9	7%	124	52	71	54						
Rochester, N. Y	332,488	7,845	96	8	8%	104	50	106	31						
Oakland, California	384,575	55,778	91	25		116	28	47	31						
Seattle, Washington	467,591	27,167	119	22		141	27	84	31						
Denver, Colorado	415,786	18,252	102	12		114		68	28						
Dallas, Texas	454,462	57,263	66	5 9	37%	105		69	25			T			
San Diego, California.	554,587	18,364	68	ii	14%	79		65	24			Ī			
St. Paul, Minnesota.	511,549	6,257	55	1	25	56	18	16	18						
CITIES,200,000-500,000	024,010	0,20.		_		"									
Jacksonville, Fla	204,517	72,529	36	92	725	128	28	128	65						
	230,310	73,087	46	60		108		83	47					_	
Richmond, Va	213,515	63,456	31	59		90		95	43					_	
Norfolk, Virginia		20,966	100	26	21%	126		127	42						
Jersey City, N.J	299,017		_	9	10%	88		185	40						
Syracuse, N.Y.	220,585	5,058	79						33						
Miami, Florida	249,276	40,576	46	34	43%	80		84							
Dayton, Ohio	243,872	34,273	55	24	31%	77	25	72	52						
Fort Worth, Texas	278,778	87,426	62	22		84	26	60	51						
Providence, R.I	248,674	8,681	55	15		70		176	28						
Omeha, Nebraska	251,117	16,882	44	18	29%	62		109	25						
Akron, Ohio	274,605	23,878	42	23	35%	65		100	24			l			
Oklahoma City, Okla	243,504	22,666	38	12	27%	45		55	19						
Worcester, Mass	205,486	1,719	36	1	3%	37		59	18						
Long Beach, Cal	250,767	6,587	50	4	12%	34	15	64	14		l				
			0. 204	E 204	700	14,603	30	106	40						
FIFTY CITIES	36,890,690	5,042,765	27.718	5,206	≎ 075	T#1000	21	75	1 TU						