

*Mr. Warner*

TUBERCULOSIS  
IN NEW YORK CITY  
1955

PREVALENCE OF THE DISEASE IN AN URBAN ENVIRONMENT



*A review by*

ANTHONY M. LOWELL

Sanatorium and Hospital Reports, 1955  
Tuberculosis Sanatorium Conference  
of Metropolitan New York



NEW YORK TUBERCULOSIS  
AND HEALTH ASSOCIATION

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Summary of  
TUBERCULOSIS HIGHLIGHTS  
NEW YORK CITY  
YEAR 1955

Among the eight million people residing within the boundaries of New York City:-

24,221 persons with active tuberculosis, old and new cases, were known to the health authorities in 1955.

13,842 tuberculosis victims remained under care or supervision on December 31, 1955.

6,214 residents were found with TB for the first time.

1,084 lost their lives because of tuberculosis.  
Deaths (1,084): Males = 840, Females = 244

\* \* \*

Tuberculosis among males is more prevalent than among females.  
New cases (6,214): Males = 3,971, Females = 2,243

Four out of every five newly reported cases of pulmonary tuberculosis were in the moderately advanced or far advanced stages of the disease.

A total of 711,364 chest x-ray examinations for the detection of tuberculosis were taken by the Department of Health (619,247) and the three Tuberculosis and Health Associations (92,117).

On the last day of 1955 of the 13,842 New Yorkers with active tuberculosis 6,650 were in hospitals or sanatoria, 4,428 under clinic care, 1,117 received medical care from private physicians, and 1,647 were under other types of supervision.

Routine chest x-ray examinations of patients admitted to general hospitals were being instituted in public and voluntary institutions.

Specific chemotherapy treatment for tuberculosis by the Department of Health included 4,412 patients by year end.

Cost of tuberculosis -- \$50,000,000, estimated to have been spent in New York City during the year.

\* \* \*

Forty-four tuberculosis hospitals and sanatoria in Metropolitan New York and the State of New Jersey reported treating 23,975 patients in 1955, rendering 2,927,794 patient days care and discharging 16,759 persons during the twelve-month period, with 7,366 still under their care by the end of the year.

## TUBERCULOSIS IN NEW YORK CITY, 1955

TUBERCULOSIS mortality and morbidity rates today are at levels that only a decade or two ago seemed to be unattainable in so short a period of time. There is little question that with the introduction of new drugs and the application of modern medical and surgical techniques gains against tuberculosis have been accelerated. Although it appears that eventual mastering of mortality and morbidity, if not total eradication of infection, is an attainable goal in the United States there are differences of opinion as to the best practical means to bring this about. Translating into workable community action and everyday practice the findings of medical, welfare and social scientists is often a slow, arduous process, particularly in our complex metropolitan areas. Tuberculosis -- civilization's ancient and determined enemy -- gives way slowly and defends its ramparts with ever-changing cunning.

Therefore, a continuous reappraisal is of fundamental importance to determine not only as to what is being done to prevent and treat tuberculosis, and to rehabilitate the patient, but also as to how effectively medical and social armamentaria are employed to meet changes in community control of the disease.

New York City, because of its size, congestion and variety of population, harbors more tuberculosis than any other American community. Literally millions of its residents, during their lifetime, have been exposed to, and many were infected with, the tubercle bacillus, yet fortunately only a small fraction become victims of active disease. This "Sword of Damocles" continues to threaten the health and life of all New Yorkers.

There is some evidence that fewer people are being infected with tuberculosis nowadays than has been the experience in the past.

First invasion of the body by a tubercle bacillus, the progenitor of the active disease, is an important link in the transmission of tuberculosis. Since the ultimate aim of tuberculosis control is to break the chain of infection so that eventually the biological balance will weigh against the tubercle bacillus reproducing itself, more information is needed to determine not only who is infected but at what age and under what conditions the original infection takes place. (\*)

An additional important step in this direction was announced, in 1955, by the Department of Health of its plan to patch test new pupils entering public high schools as part of its tuberculosis program, and similar tests were to be made available to pupils at parochial high schools. (†) Preliminary reports on the city-wide testing of secondary school children, mainly in the 13-15 age group, brought out that around 8 to 9 percent reacted positively.

During the year the official and voluntary agencies interested in tuberculosis control called to public attention that tuberculosis was one of the costliest and most challenging health problems in New York City today. (‡) It was pointed out that at present prevention and practical control are impeded by four major obstacles: (1) Absence of warning signals in early tuberculosis, (2) lack of adequate housing and proper nutrition for large numbers of persons, (3) length of time required for cure, (4) lack of sufficient rehabilitation and community services to improve the patient's ability to return to a useful, productive life.

(\*)Feldmann, Floyd M., M.D.: The Tuberculin Test, Bulletin, National Tuberculosis Association, October 1955.

(†)The New York Times, Sept. 15, 1955.

(‡)Joint statement on Tuberculosis in New York City by the Departments of Health, Hospitals and Welfare and the Tuberculosis and Health Associations of New York City, December 1955.

The continuing seriousness of tuberculosis once it has reached the stage where medical attention is provided was emphasized by Amberson:

"The early response to treatment may be encouraging, but final judgment must wait for the time when we know how many treated patients stay well, how many relapse, and how many die from tuberculosis or other causes. With modern therapy we may succeed merely in deferring the ultimate catastrophe, perhaps for many years. Until we succeed in saving patients from disability and later death from tuberculosis, we have hardly achieved our objective."(†)

(†)Amberson, J. Burns, M.D., Tuberculosis Case-Conference, West Point, N.Y., Feb. 25, 1956.

\* \* \*

Special acknowledgments are due the Bureau of Tuberculosis, the Bureau of Records and Statistics of the Department of Health and the Department of Hospitals, City of New York, who have generously made available important detailed statistics of their community-wide activities. Thanks are also due the cooperating tuberculosis hospitals throughout the Metropolitan Area, and other authorities who have continued to furnish reports and have assisted in providing basic information. -- A.M.L.

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TUBERCULOSIS MORBIDITY AND MORTALITY, CITY OF NEW YORK, 1955 AND 1954

A-NEW CASES OF TUBERCULOSIS REPORTED IN EACH BOROUGH

Boroughs	Number of New Cases				Case Rate per 100,000			
	1955	1954	Change	1955/54	1955	1954	Change	1955/54
Manhattan .....	2,994	3,404	- 410	= 12%	158.3	177.0	- 18.7	= 11%
Bronx .....	872	804	+ 68	= 8%	58.6	53.5	+ 5.1	= 10%
Brooklyn .....	1,644	1,619	+ 25	= 2%	59.9	59.2	+ 0.7	= 1%
Queens .....	605	672	- 67	= 10%	35.3	40.0	- 4.7	= 12%
Richmond .....	99	83	+ 16	= 19%	48.5	41.5	+ 7.0	= 17%
New York City .....	6,214	6,582	- 368	= 6%	77.3	81.9	- 4.6	= 6%

B-TOTAL REGISTER OF TUBERCULOSIS CASES\* BY BOROUGH DURING 1955

Boroughs	Population July 1 1955 <sup>x</sup>	Cases in Register on Jan. 1 1955	New Cases Reported during year	Old Cases Re-sumed	Total Known Cases during 1955	Removed from Register during year	Remaining in Register on Dec. 31 1955
Manhattan .....	1,891,000	7,534	2,994	1,026	11,554	5,007	6,547
Bronx .....	1,488,000	2,316	872	218	3,406	1,453	1,953
Brooklyn .....	2,746,000	3,920	1,644	574	6,138	2,790	3,348
Queens .....	1,713,000	2,018	605	170	2,793	975	1,818
Richmond .....	204,000	194	99	37	330	154	176
New York City ....	8,042,000	15,982	6,214	2,025	24,221	10,379	13,842

C-MORTALITY FROM ALL FORMS OF TUBERCULOSIS, BY BOROUGH

Boroughs	Resident Deaths within City			Death Rate per 100,000		
	1955	1954	Change 1955/54	1955	1954	Change 1955/54
Manhattan .....	431	473	- 42 = 9%	22.8	24.6	- 1.8 = 7%
Bronx .....	145	114	+ 31 = 27%	9.7	7.6	+ 2.1 = 28%
Brooklyn .....	289	292	- 3 = 1%	10.5	10.7	- 0.2 = 2%
Queens .....	103	127	- 24 = 19%	6.0	7.6	- 1.6 = 21%
Richmond .....	26	23	+ 3 = 13%	12.7	11.5	+ 1.2 = 10%
New York City Res. ....	994	1,029	- 35 = 3%	12.4	12.8	- 0.4 = 3%
Total recorded# .....	1,084	1,127	- 43 = 4%	13.4	14.0	- 0.6 = 4%

#Including non-residents and persons with unknown address.

D-CLASSIFICATION, TUBERCULOSIS CASES\* IN REGISTER (end of year)

Classification	On Dec. 31, 1955, by Boroughs and for entire City						
	Man.	Bronx	Bklyn.	Queens	Rich.	Total	Change 1955/54
Out-of-town: In sanatoria	597	234	310	162	15	1,318	- 444 = 25%
Not in sanatoria .....	29	2	7	2	0	40	- 31 = 44%
Total out-of-town .....	626	236	317	164	15	1,358	- 475 = 26%
In institutions in city..	2,761	648	1,213	634	76	5,332	- 876 = 14%
Attending clinics .....	1,850	672	1,278	599	29	4,428	- 488 = 10%
Private physicians .....	247	204	328	292	46	1,117	- 371 = 25%
No medical or clinic care	96	18	47	31	1	193	+ 34 = 21%
"Pending"† .....	944	170	140	39	9	1,302	+ 102 = 9%
"Home care"‡ .....	23	5	25	59	0	112	- 66 = 37%
Total in register .....	6,547	1,953	3,348	1,818	176	13,842	- 2,140 = 13%

\*All forms: pulmonary and non-pulmonary. †Type of care not confirmed. ‡Under medical supervision and treatment by Dept. of Hospitals. ¶Because of death, leaving city, recovery. In 1955 inventory of register also eliminated duplicates, cases no longer located in city or inactive. Note: "Register" refers to residents of borough. <sup>x</sup>Population estimates by Dept. of Health, City of New York. Compiled from reports, courtesy of the Department of Health, City of New York, by Statistical Division, New York Tuberculosis and Health Association.

## MORBIDITY AND MORTALITY

In 1955 tuberculosis took the lives of 1,084(\*) persons in New York City as compared with 1,127 in 1954, the death rates for these years being 13.4 and 14.0 per 100,000 population. Deaths of city residents who died in town amounted to 994 in 1955 and 1,029 in 1954, the respective rates 12.4 and 12.8.

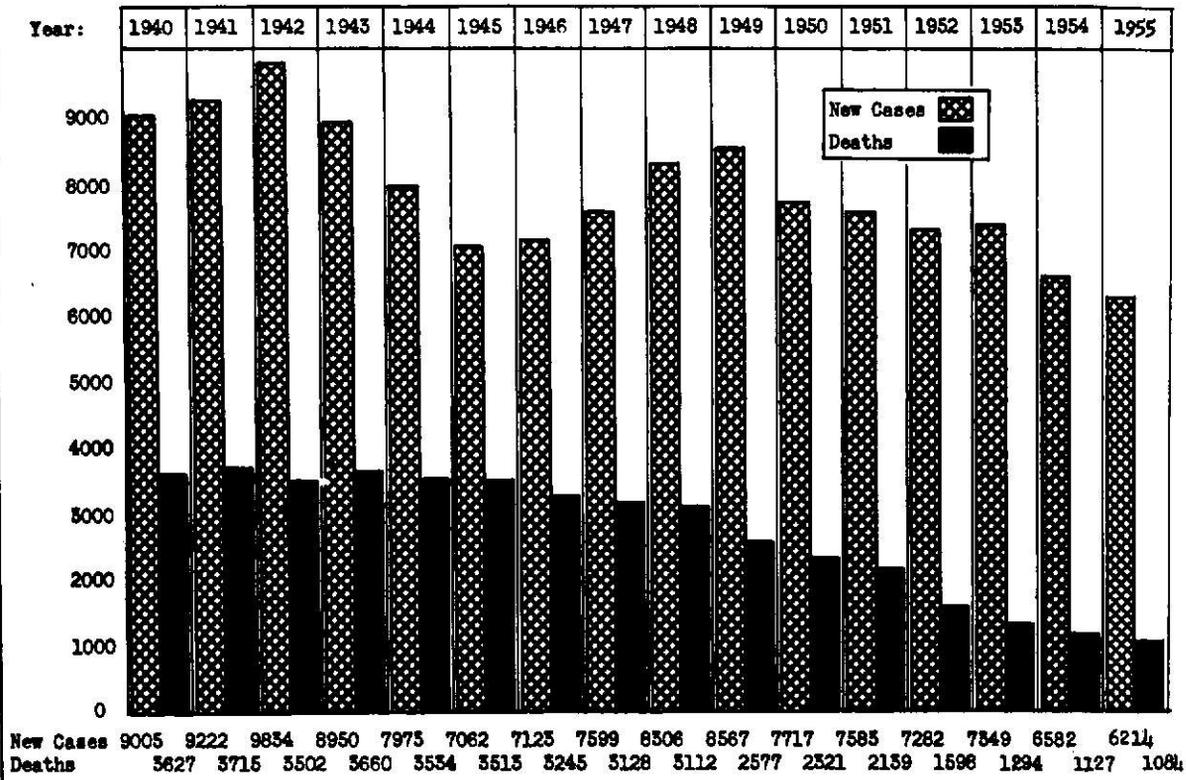
The boroughs of the Bronx and Richmond showed an increase in tuberculosis mortality during 1955 of their residents who died within the city.

Active cases in the tuberculosis register of the Department of Health during last year amounted to 24,221. On January 1, 1955 there were 15,982 persons under medical care or supervision, 6,214 additional new cases were reported in the following twelve months and 2,025 resumed care, 1,361 of the latter having been previously arrested cases. Furthermore in 1955 the Bureau of Tuberculosis removed from its active files persons who died or whose disease was arrested or inactivated, those leaving the city and duplicate records resulting in a year-end total of 13,842 active cases.

Tuberculosis stood in tenth place among the leading causes of death in New York City (1955) accounting for 1.3 percent of the deaths from all causes. It is the leading cause of death among the infectious diseases due to a single specific organism.

(\*) Total TB deaths recorded in New York City (1955) 1,084 (994 residents who died within city, 38 non-residents, 52 residence unknown), exclusive of City residents who died out of town.

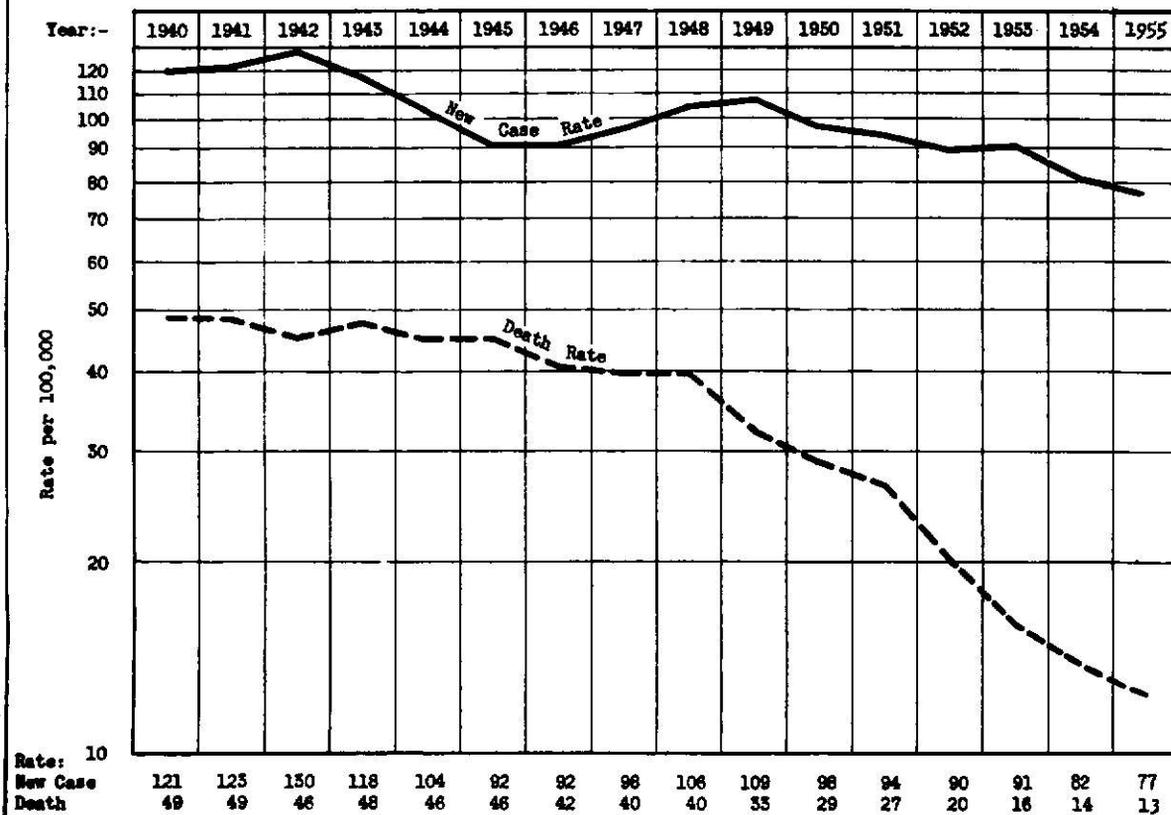
NEW CASES AND DEATHS, TUBERCULOSIS, NEW YORK CITY, SINCE 1940



Based on reports by courtesy of the Bureau of Records and Statistics, Department of Health, City of New York.

Statistical Division  
New York Tuberculosis and Health Assn.

TUBERCULOSIS: NEW CASE RATE AND DEATH RATE. NEW YORK CITY, SINCE 1940



Based on reports by courtesy of the Bureau of Records and Statistics, Department of Health, City of New York.

Statistical Division  
New York Tuberculosis and Health Assn.

NEW CASES OF TUBERCULOSIS

There were 6,214 new active cases of tuberculosis reported(†) in 1955 as compared with 6,582 in 1954; the corresponding new case rates were 77 and 82 per 100,000 population, or a decline of 6 percent. The boroughs of Manhattan and Queens accounted for the drop in new cases, whereas the Bronx, Brooklyn and Richmond showed an increase. Almost half (14) of the 30 health center districts into which New York City is divided reported more new cases in 1955 than in 1954.

The majority of the new cases were among residents of Manhattan (2994=48%) and Brooklyn (1644=26%) with the smaller proportion in the Bronx (872=14%), Queens (605=10%) and Richmond (99=2%).

NEW CASES OF TUBERCULOSIS BY BOROUGH, NEW YORK CITY, 1950-1955

Year	Manhattan	Bronx	Brooklyn	Queens	Richmond	New York City
<b>NEW CASES REPORTED</b>						
1950 .....	3,847	944	1,948	859	119	7,717
1951 .....	3,736	990	1,866	883	108	7,583
1952 .....	3,567	910	1,875	825	105	7,282
1953 .....	3,690	904	1,845	812	98	7,349
1954 .....	3,404	804	1,619	672	83	6,582
1955(*) .....	2,994	872	1,644	605	99	6,214
<b>CASE RATE PER 100,000</b>						
1950 .....	196	65	71	55	62	98
1951 .....	191	67	67	54	56	94
1952 .....	182	61	68	50	53	90
1953 .....	189	60	67	49	49	91
1954 .....	177	54	59	40	42	82
1955 .....	158	59	60	35	49	77

(\*)Includes 51 infants, recently tuberculin positive, given prophylactic antimicrobials.

(†)Law governing control of tuberculosis (Article 7, Section 86, Sanitary Code of the City of New York) stipulates that: It shall be the duty of physicians and institutions to report the diagnosis of tuberculosis to the Department of Health in writing within 24 hours after the case is diagnosed.

SOURCE OF REPORT      Practically no change was noted as to the source first reporting new cases to the Bureau of Tuberculosis after a diagnosis was made. Half of the cases were registered by hospitals in the city (54%), Health Department clinics found 27 percent, other clinics 8 percent, out-of-town sanatoria 3 percent, and private physicians 6 percent, other sources accounted for 2 percent.

SOURCE OF REPORT, NEW CASES OF TUBERCULOSIS\*  
New York City, 1950-1955

Source of Report	1950	1951	1952	1953	1954	1955
NUMBER OF NEW CASES REPORTED						
Hospitals in city .....	3910	3907	3841	3894	3537	3335
Health Dept. clinics .....	1755	1882	1747	1903	1696	1686
Other clinics .....	730	735	658	615	569	495
Private physicians .....	779	607	633	526	419	392
Sanatoria, out of town .....	362	335	307	305	266	214
Other sources .....	181	117	96	106	95	92
All sources .....	7717	7583	7282	7349	6582	6214
PERCENT BY SOURCE						
Hospitals in city .....	51%	51%	53%	53%	54%	54%
Health Dept. clinics .....	23%	25%	24%	26%	26%	27%
Other clinics .....	9%	10%	9%	8%	9%	8%
Private physicians .....	10%	8%	9%	7%	6%	6%
Sanatoria, out of town .....	5%	4%	4%	4%	4%	3%
Other sources .....	2%	2%	1%	1%	1%	2%
All sources .....	100%	100%	100%	100%	100%	100%

\*Tuberculosis all forms. Note: Included are cases identified through death certificates (295 in 1955).

For the United States (1954) the sources of report of newly reported active and probably active tuberculosis cases (for states submitting information) were: Private physicians, 12,398=16.7%, TB sanatoria, 19,379=26.1%, General hospitals, 5,263=7.1%, Chest clinics, 23,680=31.9%, Mental institutions, 1,567=2.1%, Death certificates, 3,664=5.0%, Out of state, 1,485=2.0%, Other and unknown, 6,759=9.1%. All sources, 74,195.(†)

(†)Reported Tuberculosis Data, Calendar Year 1954, Public Health Service, U.S. Department of Health, Education, and Welfare, 1956.

NEW CASES OF TUBERCULOSIS REPORTED IN NEW YORK CITY  
By Health Center Districts, 1950-1955

Health Center DISTRICT	New Cases						Case Rate per 100,000					
	1950	1951	1952	1953	1954	1955	1950	1951	1952	1953	1954	1955
Central Harlem ...	794	831	777†	917	803	697	364	392	313	373	325	282
East Harlem .....	485	450	441	428	375	310	222	211	210	209	187	157
Kips Bay-Yorkville	202	207	151	154	159	121	79	81	58	60	63	48
Lower East Side ..	811	783	688	774	817	694	262	260	228	258	277	238
Lower West Side ..	792	665	714	702	621	591	246	208	221	218	196	188
Riverside .....	421	479	467†	423	382	354	130	146	154	140	129	126
Washington Hgts. .	342	321	329†	292	247	227	109	99	105	93	79	73
<b>MANHATTAN:</b>	<b>3847</b>	<b>3736</b>	<b>3567</b>	<b>3690</b>	<b>3404</b>	<b>2994</b>	<b>196</b>	<b>191</b>	<b>182</b>	<b>189</b>	<b>177</b>	<b>158</b>
Ford'm-Riverdale .	84	102	88	85	58	80	37	44	37	36	25	35
Morrisania .....	316	279	253	266	184	223	107	93	84	88	62	77
Mott Haven .....	285	274	292	256	287	307	124	119	125	110	125	136
Pelham Bay .....	48	66	50	69	61	50	33	45	33	45	39	32
Tremont .....	125	165	131	129	133	145	41	53	42	41	43	47
Westchester .....	86	104	96	99	81	67	34	40	36	37	29	24
<b>BRONX:</b>	<b>944</b>	<b>990</b>	<b>910</b>	<b>904</b>	<b>804</b>	<b>872</b>	<b>65</b>	<b>67</b>	<b>61</b>	<b>60</b>	<b>54</b>	<b>59</b>
Bay Ridge .....	120	112	99	99	95	73	38	35	30	30	29	22
Bedford .....	385	361	400	386	331	371	124	116	129	126	110	122
Brownsville .....	168	123	143	144	142	150	60	44	51	52	52	54
Bushwick .....	173	164	141	134	140	148	74	71	61	59	62	65
Flatbush .....	169	136	138	141	115	112	35	28	28	29	23	22
Fort Greene .....	289	305	307	310	283	267	130	137	138	142	131	125
Gravesend .....	96	81	111	78	56	64	34	27	37	26	19	21
Red Hook-Gowanus .	206	244	196	200	188	190	120	140	113	116	111	114
Sunset Park .....	156	147	147	147	102	130	70	66	65	65	45	57
Wmsbrg-Greemp't ..	186	193	193	206	167	139	86	91	91	99	81	68
<b>BROOKLYN:</b>	<b>1948</b>	<b>1866</b>	<b>1875</b>	<b>1845</b>	<b>1619</b>	<b>1644</b>	<b>71</b>	<b>67</b>	<b>68</b>	<b>67</b>	<b>59</b>	<b>60</b>
Astoria-L.I.City .	166	146	154	126	103	118	63	55	56	46	38	43
Corona .....	110	146	116	119	83	86	52	66	52	54	38	40
Flushing .....	132	134	132	137	122	102	45	41	40	41	35	28
Jamaica East .....	174	153	167	178	139	145	67	56	61	64	50	51
Jamaica West .....	147	164	146	153	142	80	54	57	51	52	48	27
Maspeth-For.Hills.	130	140	110	99	83	74	51	52	41	36	31	27
<b>QUEENS:</b>	<b>859</b>	<b>883</b>	<b>825</b>	<b>812</b>	<b>672</b>	<b>605</b>	<b>55</b>	<b>54</b>	<b>50</b>	<b>49</b>	<b>40</b>	<b>35</b>
<b>RICHMOND:</b>	<b>119</b>	<b>108</b>	<b>105</b>	<b>98</b>	<b>83</b>	<b>99</b>	<b>62</b>	<b>56</b>	<b>53</b>	<b>49</b>	<b>42</b>	<b>49</b>
<b>NEW YORK CITY .....</b>	<b>7717</b>	<b>7583</b>	<b>7282</b>	<b>7349</b>	<b>6582</b>	<b>6214</b>	<b>98</b>	<b>94</b>	<b>90</b>	<b>91</b>	<b>82</b>	<b>77</b>

†Boundary change: Beginning with 1952 health area 85.10 previously in Washington Heights and health area 85.20 previously in Riverside added to Central Harlem.

Based on reports, Bureau of Records and Statistics, Department of Health, City of New York. Compiled by Statistical Division, New York Tuberculosis and Health Association.

STAGE OF DISEASE Four out of every five new pulmonary tuberculosis cases at time of registration are already in the moderately advanced (49%) or far advanced (32%) stage of tuberculosis. Only 19 percent of the cases are minimal, as has been the situation for the last five years. This is not an exclusive local condition since in 1954 country-wide figures show the proportion of new cases by stage of disease to be: Minimal=21.9%, Moderately advanced=40.7%, Far advanced=37.4%.

STAGE OF DISEASE, NEW CASES OF PULMONARY TUBERCULOSIS  
New York City, 1950-1955

Year	Stage of Disease						Un-known †	Dead ‡	Total New Cases ¶
	Minimal		Mod. Adv.		Far Adv.				
	Num-ber	Per-cent	Num-ber	Per-cent	Num-ber	Per-cent			
1950 ...	1075	21%	2242	43%	1867	36%	776	558	6518
1951 ...	1037	19%	2505	46%	1914	35%	452	423	6331
1952 ...	970	18%	2535	49%	1703	33%	453	360	6021
1953 ...	1020	19%	2709	50%	1681	31%	385	315	6110
1954 ...	935	19%	2411	50%	1489	31%	332	272	5439
1955 ...	834	19%	2166	49%	1421	32%	418	225	5064

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

There is some variation between boroughs in respect to stage of disease of newly reported cases, as shown on the following table for the year 1955.

Stage of Disease by Boroughs  
NEW CASES OF PULMONARY TUBERCULOSIS  
New York City, 1955

Borough	Stage of Disease						Un-known †	Dead ‡	Total New Cases ¶
	Minimal		Mod. Adv.		Far Adv.				
	Num-ber	Per-cent	Num-ber	Per-cent	Num-ber	Per-cent			
Manhattan .....	376	19%	858	42%	797	39%	227	123	2381
Bronx .....	124	21%	298	50%	174	29%	61	32	689
Brooklyn .....	228	18%	736	58%	299	24%	52	50	1365
Queens .....	95	20%	252	52%	136	28%	42	14	539
Richmond .....	11	23%	22	46%	15	31%	36	6	90
New York City ..	834	19%	2166	49%	1421	32%	418	225	5064

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

An analysis of the newly reported active pulmonary tuberculosis cases by stage brings out that, for each of the ethnic groups -- white, Negro, Puerto Rican, other -- the proportion found in the minimal stage is very high in the younger ages and it becomes progressively smaller as age increases. For example, among white males in the 10-14 age group 80 percent were reported as "minimal" and 10 percent in the age group 45 and over, for females these percentages were 54(%) and 15(%) for the corresponding ages.

Stage of Disease by Age, Sex and Ethnic Group  
NEWLY REPORTED CASES, ACTIVE PULMONARY TUBERCULOSIS, 10 YEARS OF AGE AND OVER  
New York City, 1955

Age, Ethnic Group	Males							Females									
	Stage at First Report						%†	Stage at First Report						%†			
	Min- imal	Mod. Adv.	Far Adv.	Not Rep.	New Dead	Total		Min- imal	Mod. Adv.	Far Adv.	Not Rep.	New Dead	Total				
<b>WHITE</b>																	
10-14	4	1	0	1	0	6	80%	7	4	2	4	0	17	54%			
15-24	48	49	21	8	1	127	40%	48	55	12	14	1	130	41%			
25-34	68	95	44	10	6	223	32%	73	80	28	10	2	193	40%			
35-44	36	112	110	17	6	281	14%	18	54	41	9	3	125	16%			
45+	145	627	503	123	109	1507	10%	38	143	58	14	20	273	15%			
Total*	301	900	687	163	124	2175	15%	186	346	147	53	26	758	26%			
<b>NEGRO</b>																	
10-14	7	2	0	2	0	11	78%	9	3	3	3	0	18	60%			
15-24	8	33	17	8	0	66	14%	25	54	19	12	0	110	26%			
25-34	21	78	61	14	6	180	13%	32	98	59	18	6	213	16%			
35-44	14	112	72	23	10	231	7%	20	66	30	6	11	133	16%			
45+	18	134	93	30	20	295	7%	12	39	26	13	10	100	14%			
Total*	70	361	246	77	36	790	10%	98	261	138	53	27	577	19%			
<b>PUERTO RICAN</b>																	
10-14	4	2	0	3	0	9	67%	6	3	0	5	0	14	67%			
15-24	15	28	24	3	0	70	22%	30	33	25	4	0	92	34%			
25-34	15	29	29	1	0	74	20%	37	30	18	5	0	90	44%			
35-44	9	17	14	3	0	43	22%	15	14	12	0	0	41	37%			
45+	7	18	20	1	1	47	15%	7	23	17	2	0	49	15%			
Total*	51	96	89	11	1	248	22%	95	106	72	17	0	290	35%			
<b>OTHER RACES</b>																	
10-14	0	0	0	0	0	0	..	0	0	0	0	0	0	..			
15-24	6	5	0	1	0	12	55%	4	5	1	3	0	13	40%			
25-34	5	11	6	4	0	26	23%	2	8	1	5	0	16	18%			
35-44	4	14	4	4	1	27	17%	1	5	2	2	0	10	12%			
45+	6	29	24	12	9	80	9%	1	6	1	1	1	10	11%			
Total*	25	67	37	28	10	167	18%	8	28	5	17	1	59	19%			
<b>GRAND TOTAL</b>	447	1424	1059	279	171	3380	14%	387	741	362	140	54	1684	25%			

\*Totals include persons of unknown age. †Percentages based on total cases for which stage was reported. Compiled from reports, Department of Health, City of New York.

UNREPORTED CASES

Marked progress has been made in reducing the number of tuberculosis cases identified for the first time through death certificates. Whereas in the decade prior to 1950 the proportion of these cases ranged around 10 to 15 percent, in 1950 it was 8.6, and in 1955, 4.2 percent of all pulmonary new cases.

It should be emphasized, however, that last year 295 persons (225 pulmonary, 70 other forms of tuberculosis) were presumably never reported to public health authorities as living cases. It has not been possible to ascertain whether their illness was not recognized earlier as being tuberculosis or that there had been intentional or accidental failure to bring it to attention of tuberculosis authorities.

UNREPORTED CASES† OF PULMONARY TUBERCULOSIS  
Till Time of Death, New York City, 1950-1955

Year	Manhattan		Bronx		Brooklyn		Queens		Richmond		N.Y. City	
	Num-ber	Per-cent	Num-ber	Per-cent	Num-ber	Per-cent	Num-ber	Per-cent	Num-ber	Per-cent	Num-ber	Per-cent
1950 .....	300	9.4%	55	7.1%	138	8.1%	59	7.6%	6	5.8%	558	8.6%
1951 .....	216	7.0%	36	4.5%	115	7.3%	49	6.2%	7	7.4%	423	6.7%
1952 .....	198	7.2%	39	5.5%	84	5.8%	35	5.2%	4	4.7%	360	6.4%
1953 .....	190	6.8%	34	4.7%	70	4.7%	20	2.8%	4	5.2%	315	5.2%
1954 .....	144	5.5%	37	5.9%	70	5.4%	19	3.3%	2	2.7%	272	5.3%
1955 .....	123	4.8%	32	4.3%	50	3.5%	14	2.5%	6	6.9%	225	4.2%

†First identified through death certificates. Percentages in this table based on all new pulmonary cases reported.

\* \* \*

Prior to 1955, cases of pulmonary tuberculosis were divided into two categories -- "pulmonary (adult)" and "primary (childhood pulmonary)." The distinction between pulmonary and primary tuberculosis was unsatisfactory as it did not fully reflect a difference in type of pulmonary disease. On January 1, 1955, the Bureau of Tuberculosis started classifying all cases of pulmonary tuberculosis into those cases 10 years of age and over, and those under 10 years of age. For statistical purposes, these two groups should be considered equivalent to the groups formerly labeled "pulmonary" and "primary" tuberculosis. (Abstract from 1955 SERVICE STATISTICS BOOK, Bureau of Records and Statistics, Department of Health, City of New York.)

RACE The white population in New York City, exclusive of Puerto Ricans, contributed 56 percent of the new active cases in 1955. But new cases, when related to the number of persons potentially exposed to tuberculosis, are found more frequently among the nonwhite residents. The new case rate among the white population last year was 50 per 100,000 persons, Negro 225, Puerto Rican 144 and yellow races 291.

Rates computed on the basis of provisional estimates of population by race and sex bring out the continuing excess of tuberculosis among men.

TUBERCULOSIS NEW CASE RATES\*, BY RACE AND SEX  
New York City, 1950-1955

Year	White		Negro		Puerto Rican		Other Races	
	Male	Female	Male	Female	Male	Female	Male	Female
1950 .....	96	41	307	227	201	237	509	208
1951 .....	91	40	339	217	192	212	518	194
1952 .....	82	37	320	219	195	199	462	173
1953 .....	84	37	344	217	181	172	534	153
1954 .....	76	30	300	186	176	157	344	153
1955 .....	74	28	277	184	151	138	375	153

\*Per 100,000 population of each race and sex.

Note: Above new case rates by race and sex are based on provisional population estimates and subject to revision.

White males with newly reported tuberculosis outnumber the combined Negro, yellow and Puerto Rican cases, but the reverse is true for white females who were fewer than the total nonwhite and Puerto Rican females.

NEW CASES OF ACTIVE TUBERCULOSIS BY RACE  
Health Center Districts, New York City, 1955

Health Center DISTRICT	White	Negro	Puerto Rican	Other	Not Stated	All Races	
						Number	Rate†
Central Harlem .....	37	624	10	85	22	697	282
East Harlem .....	111	77	114	4	6	310	157
Kips Bay-Yorkville .....	110	4	3	2	3	121	48
Lower East Side .....	487	58	106	1	14	694	238
Lower West Side .....	423	50	61	29	18	591	188
Riverside .....	173	69	87	39	17	354	126
Washington Heights .....	106	88	21	8	10	227	73
MANHATTAN:	1,447	970	402	85	90	2,994	158
Ford'm-Riverdale .....	72	5	1	0	2	80	35
Morrisania .....	88	79	53	0	3	223	77
Mott Haven .....	123	57	109	3	15	307	136
Pelham Bay .....	40	6	0	0	4	50	32
Tremont .....	96	33	15	0	1	145	47
Westchester .....	52	8	4	1	2	67	24
BRONX:	471	188	182	4	27	872	59
Bay Ridge .....	69	1	2	1	0	73	22
Bedford .....	71	283	11	2	4	371	122
Brownsville .....	74	57	15	2	2	150	54
Bushwick .....	115	21	10	0	2	148	65
Flatbush .....	102	7	0	2	1	112	22
Fort Greene .....	80	142	37	3	5	267	125
Gravesend .....	57	6	0	0	1	64	21
Red Hook-Gowanus .....	112	19	51	4	4	190	114
Sunset Park .....	123	1	3	1	2	130	57
Wmsbrg.-Greenpoint .....	98	17	23	0	1	139	68
BROOKLYN:	901	554	152	15	22	1,644	60
Astoria-L.I. City .....	100	10	0	2	6	118	43
Corona .....	59	26	1	0	0	86	40
Flushing .....	82	16	0	4	0	102	28
Jamaica East .....	64	78	0	2	1	145	51
Jamaica West .....	63	15	1	0	1	80	27
Maspeth-For.Hills .....	72	0	1	0	1	74	27
QUEENS:	440	145	3	8	9	605	35
RICHMOND:	88	5	2	2	2	99	49
NEW YORK CITY .....	3,347	1,862	741	114	150	6,214	77

†Per 100,000 population.

Based on reports, Bureau of Records and Statistics, Department of Health, City of New York. Compiled by Statistical Division, New York Tuberculosis and Health Association.

NEW CASES, TUBERCULOSIS ALL FORMS, BY RACE AND SEX, NEW YORK CITY, SINCE 1943

Year	White			Negro			Puerto Rican			Yellow			Not Stated	All Races		
	Male	Fem.	Total	Male	Fem.	Total	Male	Fem.	Total	Male	Fem.	Total		Male	Fem.	Total
1943	3975	1705	5698	840	644	1490	101	89	191	173	4	181	1390	5986	2853	8950
1944	3426	1578	5015	814	710	1525	98	98	196	170	9	179	1058	5149	2733	7973
1945	2906	1489	4416	766	756	1522	123	131	254	112	9	124	746	4322	2651	7062
1946	3015	1522	4538	817	796	1613	124	167	291	102	7	109	572	4411	2699	7123
1947	3204	1638	4842	906	789	1695	191	240	431	111	12	123	508	4710	2889	7599
1948	3383	1689	5072	1044	915	1959	216	289	505	125	14	139	631	5179	3127	8306
1949	3296	1690	4986	1193	997	2190	236	314	550	102	19	121	720	5307	3260	8567
1950	3212	1434	4646	1017	917	1934	244	330	574	112	20	132	431	4854	2863	7717
1951	3056	1412	4468	1154	902	2056	280	356	636	116	19	135	288	4788	2795	7583
1952	2769	1317	4086	1118	934	2052	330	388	718	104	17	121	305	4527	2755	7282
1953	2802	1291	4093	1224	943	2167	346	379	725	120	15	135	229	4626	2723	7349
1954	2516	1056	3572	1100	833	1933	386	397	783	77	15	92	202	4210	2372	6582
1955	2393	954	3347	1028	834	1862	361	380	741	84	9	93	171	3971	2243	6214

†Race or sex not stated. Note: Totals include other races and cases whose race or sex was not reported.

Compiled from reports of Bureau of Records and Statistics, Department of Health, City of New York, by Statistical Division, New York Tuberculosis and Health Association.

NEW CASES OF TUBERCULOSIS, BY AGE AND SEX, NEW YORK CITY, 1950-1955

Part A - All Races, White

Age	0-4	5-	10-	15-	20-	25-	30-	35-	45-	55-	65+	Un-known	All Ages
<b>MALE, ALL RACES</b>													
1950 .....	188	86	36	130	394	383	319	794	1034	788	578	124	4854
1951 .....	196	89	57	144	384	416	349	744	963	750	580	116	4788
1952 .....	217	100	46	156	275	339	370	712	927	727	502	156	4527
1953 .....	215	105	49	126	288	420	335	765	927	711	596	89	4626
1954 .....	192	98	44	123	264	346	330	630	857	736	512	78	4210
1955 .....	224	84	41	100	232	277	295	632	778	709	527	72	3971
<b>FEMALE, ALL RACES</b>													
1950 .....	165	84	80	224	459	412	338	464	256	155	162	64	2863
1951 .....	176	89	68	202	426	430	331	434	266	156	151	66	2795
1952 .....	163	80	61	210	393	428	319	430	245	153	167	106	2755
1953 .....	174	123	64	177	392	473	277	446	250	139	161	47	2723
1954 .....	183	96	78	142	289	392	284	389	210	128	137	44	2372
1955 .....	210	80	64	140	262	304	287	360	210	139	147	40	2243
<b>BOTH SEXES, ALL RACES</b>													
1950 .....	353	170	116	354	853	795	657	1258	1290	943	740	188	7717
1951 .....	372	178	125	346	810	846	680	1178	1229	906	731	182	7583
1952 .....	380	180	107	366	668	767	689	1142	1172	880	669	262	7282
1953 .....	389	228	113	303	680	893	612	1211	1177	850	757	136	7349
1954 .....	375	194	122	265	553	738	614	1019	1067	864	649	122	6582
1955 .....	434	164	105	240	494	581	582	992	988	848	674	112	6214
<b>WHITE MALE</b>													
1950 .....	83	43	12	77	210	195	150	463	779	639	495	66	3212
1951 .....	64	40	30	64	202	205	148	435	717	592	492	67	3056
1952 .....	69	29	17	60	133	157	171	405	632	589	421	86	2769
1953 .....	77	24	11	64	141	224	150	403	621	552	491	44	2802
1954 .....	53	34	14	49	126	161	136	314	582	588	424	35	2516
1955 .....	68	26	13	40	106	115	131	302	560	553	446	33	2393
<b>WHITE FEMALE</b>													
1950 .....	65	27	26	97	213	169	164	243	162	112	128	28	1434
1951 .....	68	22	21	93	186	182	161	242	167	112	121	37	1412
1952 .....	61	32	18	94	157	160	132	231	139	100	135	58	1317
1953 .....	53	46	22	63	171	199	121	234	147	87	126	22	1291
1954 .....	44	17	28	60	124	150	114	190	108	85	115	21	1056
1955 .....	65	24	22	49	103	111	110	142	112	82	113	21	954
<b>WHITE BOTH SEXES</b>													
1950 .....	148	70	38	174	423	364	314	706	941	751	623	94	4646
1951 .....	132	62	51	157	388	387	309	677	884	704	713	104	4468
1952 .....	130	61	35	154	290	317	303	636	771	689	556	144	4086
1953 .....	130	70	33	127	312	423	271	637	768	639	617	66	4093
1954 .....	97	51	42	109	250	311	250	504	690	673	539	56	3572
1955 .....	133	50	35	89	209	226	241	444	672	635	559	54	3347

NEW CASES OF TUBERCULOSIS, BY AGE AND SEX, NEW YORK CITY, 1950-1955

Part B - Negro, Puerto Rican

Age	0-4	5-	10-	15-	20-	25-	30-	35-	45-	55-	65+	Un- known	All Ages
<b>NEGRO MALE</b>													
1950 .....	62	26	14	33	102	118	109	237	168	82	58	8	1017
1951 .....	86	30	19	60	107	147	145	233	163	96	58	10	1154
1952 .....	96	41	22	52	67	117	150	221	205	89	41	17	1118
1953 .....	82	43	28	33	72	135	140	288	230	94	69	10	1224
1954 .....	80	30	17	40	74	120	127	238	216	91	56	11	1100
1955 .....	84	31	16	33	61	100	114	258	165	103	52	11	1028
<b>NEGRO FEMALE</b>													
1950 .....	63	34	31	79	155	163	125	142	64	32	22	7	917
1951 .....	73	39	30	69	157	155	119	134	69	26	25	6	902
1952 .....	67	25	35	81	155	166	130	137	69	33	23	13	974
1953 .....	77	42	23	72	145	184	113	147	82	28	22	8	943
1954 .....	72	44	29	41	93	153	122	149	82	27	16	5	833
1955 .....	99	36	27	59	76	117	135	158	62	38	24	3	834
<b>NEGRO BOTH SEXES</b>													
1950 .....	125	60	45	112	257	281	234	379	232	114	80	15	1934
1951 .....	159	69	49	129	264	302	264	367	232	122	83	16	2056
1952 .....	163	66	57	133	222	283	280	358	274	122	64	30	2052
1953 .....	159	85	51	105	217	319	253	435	312	122	91	18	2167
1954 .....	152	74	46	81	167	273	249	387	298	118	72	16	1933
1955 .....	183	67	43	92	137	217	249	416	227	141	76	14	1862
<b>PUERTO RICAN MALE</b>													
1950 .....	38	13	7	15	58	30	25	34	9	12	2	1	244
1951 .....	39	14	6	18	59	37	37	36	16	7	8	3	280
1952 .....	45	27	6	35	55	48	27	47	27	8	3	2	330
1953 .....	49	31	9	21	63	43	35	49	25	10	7	4	346
1954 .....	53	27	10	24	55	49	49	55	28	21	11	4	386
1955 .....	68	23	12	23	56	46	34	44	19	20	10	6	361
<b>PUERTO RICAN FEMALE</b>													
1950 .....	33	20	17	36	63	56	31	48	13	6	4	3	330
1951 .....	29	25	14	29	70	77	35	41	21	11	1	3	356
1952 .....	31	22	8	27	71	82	44	50	25	14	5	9	388
1953 .....	42	35	15	33	58	69	32	50	18	14	7	6	379
1954 .....	62	27	18	35	66	78	40	37	15	10	4	5	397
1955 .....	44	17	15	27	73	61	38	47	27	17	9	5	380
<b>PUERTO RICAN BOTH SEXES</b>													
1950 .....	71	33	24	51	121	86	56	82	22	18	6	4	574
1951 .....	68	39	20	47	129	114	72	77	37	18	9	6	636
1952 .....	76	49	14	62	126	130	71	97	52	22	8	11	718
1953 .....	91	66	24	54	121	112	67	99	43	24	14	10	725
1954 .....	115	54	28	59	121	127	89	92	43	31	15	9	783
1955 .....	112	40	27	50	129	107	72	91	46	37	19	11	741

NEW CASES OF TUBERCULOSIS, BY AGE AND SEX, NEW YORK CITY, 1950-1955

Part C - Yellow

Age	0-4	5-	10-	15-	20-	25-	30-	35-	45-	55-	65+	Un- known	All Ages
<b>YELLOW MALE</b>													
1950 .....	1	0	0	1	7	13	10	22	22	24	9	3	112
1951 .....	1	0	0	1	10	3	3	17	36	30	13	2	116
1952 .....	0	0	0	5	7	8	10	14	20	18	18	4	104
1953 .....	1	0	0	8	6	8	5	14	28	30	16	4	120
1954 .....	0	3	0	3	2	4	8	7	19	17	13	1	77
1955 .....	2	1	0	3	4	6	9	12	16	19	10	2	84
<b>YELLOW FEMALE</b>													
1950 .....	4	0	1	2	2	6	1	1	3	0	0	0	20
1951 .....	1	1	0	2	3	5	4	1	1	0	0	1	19
1952 .....	0	0	0	1	2	7	4	0	1	1	0	1	17
1953 .....	0	0	1	0	2	9	0	2	0	0	0	1	15
1954 .....	2	0	1	1	1	3	1	4	0	1	0	1	15
1955 .....	0	1	0	2	0	4	1	0	0	0	0	1	9
<b>YELLOW BOTH SEXES</b>													
1950 .....	5	0	1	3	9	19	11	23	25	24	9	3	132
1951 .....	2	1	0	3	13	8	7	18	37	30	13	3	135
1952 .....	0	0	0	6	9	15	14	14	21	19	18	5	121
1953 .....	1	0	1	8	8	17	5	16	28	30	16	5	135
1954 .....	2	3	1	4	3	7	9	11	19	18	13	2	92
1955 .....	2	2	0	5	4	10	10	12	16	19	10	3	93

Note: All other races and those whose race was not known are included in Totals for All Races.

## TUBERCULOSIS REGISTER

Basic to the effective control of tuberculosis activities in a community is the careful registration of persons with active disease and the maintenance of up-to-date records which guide the health officials in the administration of a control program. The New York City Department of Health in its Bureau of Tuberculosis maintains a record of current information on persons with active tuberculosis providing data as to location of patients, status of their disease, type of care or supervision, etc.

During 1955 a physical inventory of the files in each health center district of the city was completed resulting in the removal of 1,419 old cases from the register. These included duplicates, persons no longer located in the city and cases no longer active.

Remaining on the tuberculosis register as of December 31, 1955 were 13,842 people with active disease the majority under medical care or supervision. Almost half (48 percent) were listed as receiving care in hospitals within the city or in out-of-town sanatoria, a third (32 percent) attending public or private clinics, and 8 percent under medical care of private physicians. The remainder included those whose status of medical care had not been fully determined or confirmed or whose records were in transit between clinics, a few under a plan of home supervision and treatment by the Department of Hospitals, and others not under medical or clinic care.

The Borough of Manhattan, with less than one-fourth (24%) of the city's population, harbors almost half (47%) of the residents with active tuberculosis. This fact reemphasizes the long-standing burden and special problems associated with socio-economic conditions and tuberculosis in this overcrowded borough.

TUBERCULOSIS REGISTER, NEW YORK CITY, 1946-1955

Year	Cases in Register Jan. 1	New Cases during Year	Old Cases Re-sumed	Total Cases during Year	Cases Removed during Year	Remaining in Register Dec. 31
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	10,958	19,059
1951 .....	19,059	7,583	1,893	28,535	9,547	18,988
1952 .....	18,988	7,282	1,870	28,140	9,854	18,286
1953 .....	18,286	7,349	2,171	27,806	9,545	18,261
1954 .....	18,261	6,582	2,088	26,931	10,949	15,982
1955† .....	15,982	6,214	2,025	24,221	10,379	13,842

†Physical inventory of register completed in 1955.

Based on reports by courtesy of the Bureau of Tuberculosis, Department of Health, City of New York.

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

Age:-	0-4	5-9	10-14	15-19	20-24	25-29	30-34	35-44	45-54	55-64	65+	Unk.	All Ages
<b>MALE</b>													
1948	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	220	70	194	811	1054	999	2192	2553	1962	1042	289	11648
1951	271	207	93	206	772	1045	974	2143	2728	2101	1075	244	11859
1952	293	171	100	194	612	925	945	2050	2705	2148	1235	251	11629
1953	272	173	83	200	564	871	941	2059	2715	2205	1399	234	11716
1954	266	167	66	162	461	683	827	1810	2521	1296	2105	138	10502
1955	298	146	87	225	458	605	713	1652	2296	1789	937	68	9274
<b>FEMALE</b>													
1948	197	126	96	434	1138	1341	1156	1526	707	369	285	160	7535
1949	238	190	103	435	1129	1356	1205	1723	745	389	330	166	8008
1950	233	205	106	405	1036	1229	1083	1563	736	358	341	116	7411
1951	225	192	118	368	985	1180	1023	1452	775	370	324	117	7129
1952	227	164	121	314	852	1029	951	1400	763	350	352	134	6657
1953	212	177	114	334	780	1012	916	1403	753	379	353	112	6545
1954	208	165	112	238	546	860	768	1222	645	310	345	61	5480
1955	249	142	143	285	542	674	609	874	483	280	251	36	4568
<b>BOTH SEXES</b>													
1948	421	296	168	692	1977	2378	2168	3755	3088	2080	1099	398	18520
1949	475	401	196	680	2006	2476	2324	4080	3384	2311	1329	414	20076
1950	495	425	176	599	1847	2283	2082	3755	3289	2320	1383	405	19059
1951	496	399	211	574	1757	2225	1997	3595	3503	2471	1399	361	18988
1952	520	335	221	508	1464	1954	1896	3450	3468	2498	1587	385	18286
1953	484	350	197	534	1344	1883	1857	3462	3468	2584	1752	346	18261
1954	474	332	178	400	1007	1543	1595	3032	3166	1606	2450	199	15982
1955	547	288	230	510	1000	1279	1322	2526	2779	2069	1188	104	13842

Based on reports of Bureau of Records and Statistics, Department of Health, City of New York.  
Compiled by Statistical Division, New York Tuberculosis and Health Association.

Active Cases in  
TUBERCULOSIS REGISTER, BY RACE, SEX AND AGE  
New York City, December 31, 1955

Age Group	White		Negro		Puerto Rican		Yellow		Other		Unknown		All Races		Total
	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	Male	Fem.	
0-4	81	60	121	118	93	70	1	0	0	0	2	1	298	249	547
5-9	36	33	71	69	35	36	3	1	0	0	1	3	146	142	288
10-14	24	38	40	70	22	32	0	2	0	1	1	0	87	143	230
15-19	96	99	82	113	53	66	8	8	0	1	6	4	225	265	510
20-24	207	178	134	220	101	130	9	2	1	0	6	11	458	542	1000
25-29	234	228	255	304	94	130	11	3	2	2	8	4	605	674	1279
30-34	315	233	295	292	83	77	11	6	0	0	7	5	713	609	1322
35-44	911	446	584	320	100	99	34	2	2	2	17	6	1652	874	2526
45-54	1687	304	473	125	50	45	54	4	6	1	23	6	2296	483	2779
55-64	1475	193	204	50	31	30	43	1	9	7	29	6	1789	280	2069
65+	800	207	86	31	14	10	28	0	1	0	8	3	937	251	1188
Unknown	32	21	14	2	3	4	2	1	0	0	17	8	68	36	104
All ages	5898	2040	2339	1714	679	729	204	21	29	7	125	57	9274	4568	13842

Based on reports of Bureau of Records and Statistics, Department of Health, City of New York.  
Compiled by Statistical Division, New York Tuberculosis and Health Association.

TUBERCULOSIS REGISTER ACCORDING TO RACE  
New York City, December 31, 1955

Health Center DISTRICT	White	Negro	Puerto Rican	Yellow & Other	Not Stated	All Races
Central Harlem .....	77	1,838	44	9	19	1,785
East Harlem .....	197	135	199	4	5	540
Kips Bay-Yorkville .....	227	4	7	3	2	243
Lower East Side .....	1,109	138	190	79	23	1,539
Lower West Side .....	980	96	116	93	15	1,300
Riverside .....	370	150	151	21	24	716
Washington Heights .....	192	186	31	4	11	424
<b>MANHATTAN:</b>	<b>3,152</b>	<b>2,345</b>	<b>738</b>	<b>213</b>	<b>99</b>	<b>6,547</b>
Ford 'm-Riverdale .....	152	7	3	2	1	165
Morrisania .....	240	213	116	6	3	578
Mott Haven .....	278	104	207	1	11	601
Pelham Bay .....	110	17	1	0	4	132
Tremont .....	196	48	27	0	2	273
Westchester .....	163	29	11	0	1	204
<b>BRONX:</b>	<b>1,139</b>	<b>418</b>	<b>365</b>	<b>9</b>	<b>22</b>	<b>1,953</b>
Bay Ridge .....	196	2	1	1	1	201
Bedford .....	109	448	11	2	2	572
Brownsville .....	154	112	29	2	0	297
Bushwick .....	245	50	23	2	5	325
Flatbush .....	245	12	1	0	3	261
Fort Greene .....	204	257	68	4	6	539
Gravesend .....	149	11	3	0	1	164
Red Hook-Gowanus .....	278	48	101	7	5	439
Sunset Park .....	271	1	12	2	2	288
Wmsbrg.-Greenp't .....	193	28	38	2	1	262
<b>BROOKLYN:</b>	<b>2,044</b>	<b>969</b>	<b>287</b>	<b>22</b>	<b>26</b>	<b>3,348</b>
Astoria-L. I. City .....	352	25	7	1	8	393
Corona .....	167	57	2	1	6	233
Flushing .....	234	23	1	3	1	262
Jamaica East .....	203	168	1	3	8	383
Jamaica West .....	295	33	5	1	2	336
Maspeth-Forest Hills .....	198	1	0	3	9	211
<b>QUEENS:</b>	<b>1,449</b>	<b>307</b>	<b>16</b>	<b>12</b>	<b>34</b>	<b>1,818</b>
<b>RICHMOND:</b>	<b>154</b>	<b>14</b>	<b>2</b>	<b>5</b>	<b>1</b>	<b>176</b>
<b>NEW YORK CITY .....</b>	<b>7,938</b>	<b>4,053</b>	<b>1,408</b>	<b>261</b>	<b>182</b>	<b>13,842</b>

Based on reports by courtesy of the Bureau of Records and Statistics, Department of Health, City of New York. Compiled by the Statistical Division, New York Tuberculosis and Health Association.

Active Cases in  
TUBERCULOSIS REGISTER ACCORDING TO RACE AND SEX  
on December 31, 1952-1955

Sex Year	White	Negro	Puerto Rican	Yellow	Other	Not Stated	Total
<b>MALE</b>							
1952 .....	7,730	2,544	710	249	21	375	11,629
1953 .....	7,691	2,672	754	263	28	308	11,716
1954 .....	6,704	2,572	761	223	26	216	10,502
1955 .....	5,898	2,339	679	204	29	125	9,274
<b>FEMALE</b>							
1952 .....	3,594	1,985	860	35	7	176	6,657
1953 .....	3,400	2,032	902	42	8	161	6,545
1954 .....	2,617	1,888	820	33	9	113	5,480
1955 .....	2,040	1,714	729	21	7	57	4,568
<b>BOTH SEXES</b>							
1952 .....	11,324	4,529	1,570	284	28	551	18,286
1953 .....	11,091	4,704	1,656	305	36	469	18,261
1954 .....	9,321	4,460	1,581	256	35	329	15,982
1955 .....	7,938	4,053	1,408	225	36	182	13,842

POSITIVE BACTERIOLOGICAL FINDINGS REPORTED DURING YEAR  
Cases of Active Tuberculosis in Register  
December 31, 1955

Classification	Total Cases in Register Dec. 31, 1955	Reported Positive† during Year	
		Number	Percent
Private physicians .....	1,117	308	28%
Hospitals in city .....	5,332	967	18%
Sanatoria, out of town .....	1,318	218	17%
Health Department clinics .....	2,775	698	25%
Other clinics .....	1,653	94	6%
All other .....	1,647	220	13%
<b>Total .....</b>	<b>13,842</b>	<b>2,505</b>	<b>18%</b>

†Positive bacteriological findings reported January-December 1955.

## PREVALENCE OF TUBERCULOSIS BY HEALTH CENTER DISTRICTS

Tuberculosis "prevalence" can be measured in several ways depending upon definition of objectives in terms of the reader's interest. One index is based on all of the known active tuberculosis cases during the year, namely, active cases already known on the first day of the year, the new cases reported during the year plus the smaller number of former cases resumed -- exclusive, therefore, of the arrested or inactive cases. Known prevalence on a specific day of the year is another index limited to a particular day. New cases which develop in a given population, usually during a twelve-month period, give us a basis to determine "incidence". Deaths are used as an index of mortality. Tuberculin testing results can indicate how many people are or were "infected" with the tubercle bacillus. Each of these indices has its individual limitations or advantages. However, if used judiciously and with full understanding of the basic data that go into their make-up they serve as useful measures or indices.

At present it is somewhat difficult to determine with any degree of precision the total number of persons (known and unknown) in New York City with active tuberculosis. The Department of Health has concluded from a study of available evidence that there are nearly 10,000 New Yorkers with undiscovered tuberculosis going about the city, many of them spreading infection. (†) Weight is given to this point of view by the fact that each month over 500 new active cases are reported.

The record of known tuberculosis alone in the community is an impressive one. The conclusion, often based on premature optimism, that total eradication of tuberculosis is at hand, expressed without adequate regard for the statistics of known sickness, can be misleading.

(†) Department of Health, City of New York, newspaper release, January 3, 1956.

**TOTAL KNOWN PREVALENCE DURING YEAR** In 1955 over twenty-four thousand persons (24,221) with active tuberculosis were known to the public health authorities during the year, and at the end of the year 13,842 were still under care or supervision. No part of New York City was free from tuberculosis and there were striking concentrations in some areas of the city. For example, during the year the total known prevalence rate of tuberculosis(†) per 100,000 population for Central Harlem (1,200) was fifteen times that in Gravesend (80) and around ten times the rates in Flatbush (100), Bay Ridge (104) or Flushing (111).

Generally, high tuberculosis prevalence rates still are associated with low socio-economic conditions of the population.(‡) In areas where low incomes prevail, and where housing is substandard and overcrowded, higher tuberculosis rates are found than in areas where family income is comparatively high and housing is adequate.

**ACTIVE CASES DECEMBER 31, 1955** Mentioned above are the 13,842 persons with active tuberculosis on the Tuberculosis Register of the Bureau of Tuberculosis on the last day of 1955. The known prevalence on December 31 illustrates the large volume of work that must be faced each day of the year. In Central Harlem practically one percent of the population (7.28 active cases per 1,000 population) was registered as having tuberculosis in its active form, 763 in hospitals or sanatoria and 1,022 receiving medical attention locally, mainly at clinics.

(†)Based on active cases already known on the first day of 1955, the new cases reported during the year, plus the smaller number of former cases resumed, exclusive of arrested or inactive cases.

(‡)Lowell, A.M.: Socio-Economic Conditions and Tuberculosis Prevalence, New York City, New York Tuberculosis and Health Association, July 1956.

Problems associated with the hospitalization of 6,690 New York City patients, under comparatively strict institutional observation, are by no means more complex than those arising in connection with the supervision of 7,152 persons under clinic, private physician and other care.(†) Although for the city over half (52%) of the tuberculous come under the "ambulant" category the range by districts is from 39% in the Lower West Side to 62% in the Bushwick, Astoria-Long Island City and Jamaica West districts with nineteen districts above the city average.

(†) Jones, Julia M., M.D., Bulletin, National Tuberculosis Association, September 1955.

TOTAL KNOWN TUBERCULOSIS PREVALENCE DURING THE YEAR 1955  
Health Center Districts, New York City

Health Center DISTRICT	Cases in Register on Jan. 1 1955	New Cases Reported during Year	Old Cases Re-summed	Total Known Cases during 1955	Removed from Register during Year	Remaining in Register on Dec. 31 1955	Known Prevalence Rate during Year †
Central Harlem...	2,047	697	221	2,965	1,180	1,785	1,200
East Harlem .....	785	310	88	1,183	643	540	601
Kips Bay-Yorkville	429	121	49	599	356	243	240
Lower East Side..	1,512	694	281	2,487	948	1,539	855
Lower West Side..	1,404	591	258	2,253	953	1,300	715
Riverside .....	879	354	61	1,294	578	716	460
Washington Hgts..	478	227	68	773	349	424	249
MANHATTAN:	7,534	2,994	1,026	11,554	5,007	6,547	612
Ford'm-Riverdale.	206	80	20	306	141	165	132
Morrisania .....	647	223	55	925	347	578	319
Mott Haven .....	724	307	68	1,099	498	601	488
Pelham Bay .....	148	50	12	210	78	132	133
Tremont .....	305	145	36	486	213	273	158
Westchester .....	286	67	27	380	176	204	137
BRONX:	2,316	872	218	3,406	1,453	1,953	229
Bay Ridge .....	232	73	33	338	137	201	104
Bedford .....	694	371	109	1,174	602	572	387
Brownsville .....	308	150	33	491	194	297	176
Bushwick .....	390	148	42	580	255	325	257
Flatbush .....	341	112	45	498	237	261	100
Fort Greene .....	627	267	74	968	429	539	452
Gravesend .....	156	64	23	243	79	164	80
Red Hook-Gowanus.	471	190	98	759	320	439	454
Sunset Park .....	295	130	41	466	178	288	205
Wmsbrg.-Greenp't.	406	139	76	621	359	262	306
BROOKLYN:	3,920	1,644	574	6,138	2,790	3,348	224
Astoria-L.I. City.	420	118	43	581	188	393	210
Corona .....	264	86	30	380	147	233	175
Flushing .....	286	102	17	405	143	262	111
Jamaica East .....	405	145	28	578	195	383	204
Jamaica West .....	391	80	32	503	167	336	168
Maspeth-For.Hills	252	74	20	346	135	211	128
QUEENS:	2,018	605	170	2,793	975	1,818	163
RICHMOND:	194	99	37	330	154	176	162
NEW YORK CITY....	15,982	6,214	2,025	24,221	10,379	13,842	301

†Active cases known on first day of year, new cases reported during year, plus former cases resumed per 100,000 population. ¶Because of death, leaving city, recovery. Compiled from reports by courtesy of the Bureau of Tuberculosis and the Bureau of Records and Statistics, Department of Health, City of New York, by Statistical Division, New York Tuberculosis and Health Association.

TUBERCULOSIS IN NEW YORK CITY ON DECEMBER 31, 1955  
(Based on total known cases in register on that day)

Health Center DISTRICT	Population Dec. 31, 1955	In Hospitals or Sanatoria*	Ambulant Cases	Total in Register	Prevalence per 1,000†
<b>MANHATTAN:</b>					
Central Harlem .....	245,000	763	1,022	1,785	7.28
East Harlem .....	196,000	265	275	540	2.75
Kips Bay-Yorkville .....	247,000	128	115	243	0.98
Lower East Side .....	289,000	899	640	1,539	5.32
Lower West Side .....	315,000	787	513	1,300	4.12
Riverside .....	273,000	333	383	716	2.62
Washington Heights .....	306,000	212	212	424	1.38
<b>MANHATTAN</b> .....	<b>1,871,000</b>	<b>3,387</b>	<b>3,160</b>	<b>6,547</b>	<b>3.49</b>
<b>BRONX:</b>					
Ford'm-Riverdale .....	232,000	75	90	165	0.71
Morrisania .....	286,000	242	336	578	2.02
Mott Haven .....	221,000	294	307	601	2.71
Pelham Bay .....	158,000	55	77	132	0.83
Tremont .....	307,000	130	143	273	0.88
Westchester .....	278,000	88	116	204	0.73
<b>BRONX</b> .....	<b>1,482,000</b>	<b>884</b>	<b>1,069</b>	<b>1,953</b>	<b>1.31</b>
<b>BROOKLYN:</b>					
Bay Ridge .....	329,000	79	122	201	0.61
Bedford .....	304,000	297	275	572	1.88
Brownsville .....	283,000	117	180	297	1.04
Bushwick .....	225,000	124	201	325	1.44
Flatbush .....	503,000	105	156	261	0.51
Fort Greene .....	213,000	260	279	539	2.53
Gravesend .....	304,000	68	96	164	0.53
Red Hook-Gowanus .....	166,000	222	217	439	2.64
Sunset Park .....	229,000	131	157	288	1.25
Wmsbrg-Greenpoint .....	203,000	127	135	262	1.29
<b>BROOKLYN</b> .....	<b>2,759,000</b>	<b>1,530</b>	<b>1,818</b>	<b>3,348</b>	<b>1.21</b>
<b>QUEENS:</b>					
Astoria-L.I. City .....	279,000	149	244	393	1.40
Corona .....	218,000	118	114	233	1.06
Flushing .....	374,000	150	112	262	0.70
Jamaica East .....	289,000	165	218	383	1.32
Jamaica West.....	305,000	129	207	336	1.10
Maspeth-Forest Hills ....	274,000	86	125	211	0.77
<b>QUEENS</b> .....	<b>1,739,000</b>	<b>798</b>	<b>1,020</b>	<b>1,818</b>	<b>1.04</b>
<b>RICHMOND</b> .....	<b>207,000</b>	<b>91</b>	<b>85</b>	<b>176</b>	<b>0.85</b>
<b>NEW YORK CITY</b> .....	<b>8,058,000</b>	<b>6,690</b>	<b>7,152</b>	<b>13,842</b>	<b>1.71</b>

\*Includes 40 persons in boarding-houses in health resorts. †On Dec. 31, 1955.

Compiled from reports by courtesy of the Bureau of Tuberculosis and the Bureau of Records and Statistics, Department of Health, City of New York, by Statistical Division, New York Tuberculosis and Health Association.

CARE OF THE TUBERCULOUS

On December 31, 1955 over thirteen thousand (13,842) persons were on record as under medical care or supervision for tuberculosis in New York City. Almost half (6,650) were to be found in hospitals or sanatoria and one-third (4,428) under supervision of public and private clinics. Whereas in the past the tuberculosis hospital ward or sanatorium carried proportionately more of the burden of such care the trend currently is toward a gradual transfer of some of the patients to the clinics and out-patient services.

Editorial comment(†) on the implications of this trend points out that:

"Overworked, inadequate staffs of public health nurses, besides carrying on 'education' and sanitary supervision of 'home patients', must now add nursing, almost bedside, to their duties, not to mention the heavier clinics to be manned. In hospitals there are social service assistants, rehabilitation workers, and technicians, generally in goodly numbers, especially in the public institutions; in clinics these important staff workers are few and often not available at all. Appropriating authorities, relieved of material amounts previously to be provided for costly hospital maintenance, too often have failed to transfer the money released to the less well known clinic or out-patient services -- and yet, utilization of home resources is always more economical."

For example the following table brings out, for the Department of Health Tuberculosis Services, the increasing attendance.

ATTENDANCE AT HEALTH DEPARTMENT TUBERCULOSIS SERVICES  
New York City, 1950-1955

Borough	1950	1951	1952	1953	1954	1955
Manhattan .....	106,648	99,615	98,747	101,524	107,121	127,157
Bronx .....	35,555	31,268	32,355	30,484	30,889	40,074
Brocklyn .....	90,562	86,198	86,025	84,147	86,282	106,642
Queens .....	28,278	25,267	28,949	27,684	27,017	27,935
Richmond .....	6,494	7,203	6,752	6,742	6,633	7,579
New York City ...	267,537	249,551	252,828	250,581	257,942	309,387

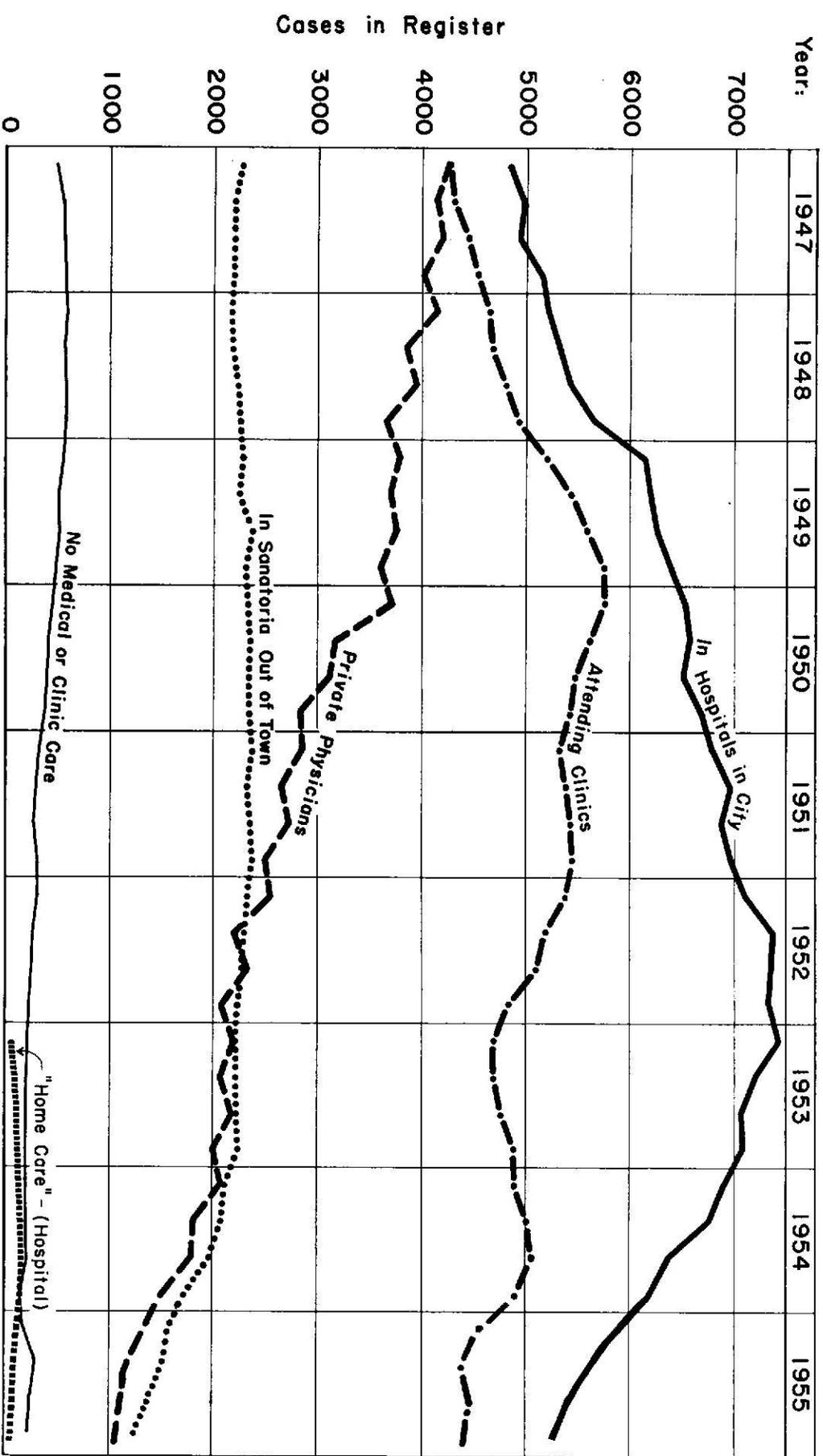
In 1954 attendance includes 4,887 at B.C.G. clinic. B.C.G. service transferred from Central Harlem and Fort Greene in May 1954 to Central Chest. In 1955 attendance includes 2,400 at B.C.G. clinics in Central Chest and 42,197 visits for streptomycin injections only.

Compiled from reports of Department of Health, City of New York.

(†) American Journal of Public Health, Vol. 46, No. 7, July 1956.

# TUBERCULOSIS CASES\* - TYPE OF CARE, NEW YORK CITY

On last day, each quarter, 1947 - 1955



Year	1947	1948	1949	1950	1951	1952	1953	1954	1955																										
Hospitals in City	4886	4986	5178	5296	5446	5602	6185	6225	6298	6407	6580	6590	6714	6917	6990	6996	6987	7122	7385	7574	7547	7447	7215	7077	7035	6918	6768	6577	6508	5821	5651	5132			
Attending Clinics	2298	2218	2205	2202	2178	2158	2242	2271	2282	2328	2542	2672	2687	2861	2982	2841	2986	2942	2809	2287	2259	2235	2242	2246	2259	2181	2094	1985	1762	1650	1545	1101	1117		
Private Physicians	4276	4188	4206	4021	4161	3842	3985	3719	3774	3623	3784	3126	2854	2894	2796	2736	2510	2559	2215	2351	2091	2091	2219	2087	2180	2008	2075	1819	1797	1168	1145	1211	1207	1117	
In Sanatoria Out of Town	480	582	561	571	589	578	585	504	522	491	468	407	370	317	287	289	302	311	271	280	241	222	220	207	208	200	205	209	159	146	123	195	193		
No Medical or Clinic Care	1462	1347	1336	1275	1094	1228	1247	1364	1246	1470	1837	1489	1284	1372	1505	1286	1328	1484	1344	1541	1340	1252	1404	1467	1412	1545	1575	1687	1455	1482	1800	1271	1121	1311	1317
Total	17858	17860	17782	17789	17878	17890	18854	18620	18284	18950	20018	20076	20136	19661	18220	18066	18081	18170	18042	18988	18975	18657	18782	18296	18519	17900	18194	18281	17812	17511	18972	15982	14971	11146	11141

\*Known cases, Department of Health Register, Last day of quarter (March 31, June 30, Sept. 30, Dec. 31).  
 †Type of care, unclassified and few out of town not in summary.  
 Under medical supervision, Department of Hospitals.  
 Compiled from reports of Department of Health, City of New York, by Statistical Division, New York Tuberculosis and Health Association.

TUBERCULOSIS REGISTER, NEW YORK CITY  
On Last Day of 1955 and of 1954

Health Center DISTRICT	Segregated, 1955			Ambulant, Dec. 31, 1955						Total in Register		
	Hospitals in city	Sanatoria †	Total isolated	At clinics	Private doctors	Pending	Not med. clinic care	Home Care ‡	Total ambulant	Dec. 31 1955	Dec. 31 1954	Change over 1954
<b>MANHATTAN:</b>												
Central Harlem	649	114	763	669	32	279	34	8	1022	1785	2047	- 262
East Harlem ..	243	22	265	168	22	70	14	1	275	540	785	- 245
Kips Bay-York.	87	41	128	53	22	30	10	0	115	243	429	- 186
Lower E. Side.	742	157	899	319	29	272	11	9	640	1539	1512	+ 27
Lower W. Side.	635	152	787	250	64	184	12	3	513	1300	1404	- 104
Riverside ....	260	73	333	260	33	85	5	0	383	716	879	- 163
Washington H..	145	67	212	131	45	24	10	2	212	424	478	- 54
<b>MANHATTAN ..</b>	<b>2761</b>	<b>626</b>	<b>3387</b>	<b>1850</b>	<b>247</b>	<b>944</b>	<b>96</b>	<b>23</b>	<b>3160</b>	<b>6547</b>	<b>7534</b>	<b>- 987</b>
<b>BRONX:</b>												
Ford'm-River..	48	27	75	47	35	6	1	1	90	165	206	- 41
Morrisania ...	183	59	242	234	42	47	10	3	336	578	647	- 69
Mott Haven ...	230	64	294	206	31	64	6	0	307	601	724	- 123
Pelham Bay ...	36	19	55	35	25	17	0	0	77	132	148	- 16
Tremont .....	89	41	130	90	39	13	1	0	143	273	305	- 32
Westchester ..	62	26	88	60	32	23	0	1	116	204	286	- 82
<b>BRONX .....</b>	<b>648</b>	<b>236</b>	<b>884</b>	<b>672</b>	<b>204</b>	<b>170</b>	<b>18</b>	<b>5</b>	<b>1069</b>	<b>1953</b>	<b>2316</b>	<b>- 363</b>
<b>BROOKLYN:</b>												
Bay Ridge ....	54	25	79	59	47	11	1	4	122	201	232	- 31
Bedford .....	249	48	297	196	29	30	20	0	275	572	694	- 122
Brownsville ..	87	30	117	156	15	2	4	3	180	297	308	- 11
Bushwick .....	88	36	124	130	41	20	6	4	201	325	390	- 65
Flatbush .....	74	31	105	69	56	24	3	4	156	261	341	- 80
Fort Greene ..	221	39	260	240	29	7	2	1	279	539	627	- 88
Gravesend ....	47	21	68	55	24	11	6	0	96	164	156	+ 8
Red Hook-Gowan.	190	32	222	186	13	14	1	3	217	439	471	- 32
Sunset Park ..	100	31	131	90	48	14	1	4	157	288	295	- 7
Wmsbrg-Greempt.	103	24	127	97	26	7	3	2	135	262	406	- 144
<b>BROOKLYN ...</b>	<b>1213</b>	<b>317</b>	<b>1530</b>	<b>1278</b>	<b>328</b>	<b>140</b>	<b>47</b>	<b>25</b>	<b>1818</b>	<b>3348</b>	<b>3920</b>	<b>- 572</b>
<b>QUEENS:</b>												
Astoria-L. I. C.	119	30	149	163	70	0	3	8	244	393	420	- 27
Corona .....	89	30	118	54	48	2	5	5	114	233	264	- 31
Flushing .....	114	36	150	60	42	2	3	5	112	262	286	- 24
Jamaica East ..	147	18	165	127	40	21	7	23	218	383	405	- 22
Jamaica West ..	98	31	129	122	54	14	4	13	207	336	391	- 55
Maspeth-F. H. .	67	19	86	73	38	0	9	5	125	211	252	- 41
<b>QUEENS .....</b>	<b>634</b>	<b>164</b>	<b>798</b>	<b>599</b>	<b>292</b>	<b>39</b>	<b>31</b>	<b>59</b>	<b>1020</b>	<b>1818</b>	<b>2018</b>	<b>- 200</b>
<b>RICHMOND .....</b>	<b>76</b>	<b>15</b>	<b>91</b>	<b>29</b>	<b>46</b>	<b>9</b>	<b>1</b>	<b>0</b>	<b>85</b>	<b>176</b>	<b>194</b>	<b>- 18</b>
<b>N. Y. CITY, 1955.</b>	<b>5332</b>	<b>1358</b>	<b>6690</b>	<b>4428</b>	<b>1117</b>	<b>1302</b>	<b>193</b>	<b>112</b>	<b>7152</b>	<b>13842</b>	<b>...</b>	<b>-2140</b>
<b>Dec. 31, 1954.</b>	<b>6208</b>	<b>1833</b>	<b>8041</b>	<b>4916</b>	<b>1488</b>	<b>1200</b>	<b>159</b>	<b>178</b>	<b>7941</b>	<b>15982</b>	<b>15982</b>	<b>...</b>
<b>Change.</b>	<b>-876</b>	<b>-475</b>	<b>-1351</b>	<b>-488</b>	<b>-371</b>	<b>+102</b>	<b>+34</b>	<b>-66</b>	<b>-789</b>	<b>-2140</b>	<b>...</b>	<b>...</b>

†Includes a few in boarding-houses in health resorts. ‡No medical or clinic care. Inventory of Tuberculosis Register in 1955 eliminated duplicates, cases no longer located in City or inactive. ¶Under home medical supervision and treatment by Department of Hospitals. Compiled from reports by courtesy of the Bureau of Tuberculosis and the Bureau of Records and Statistics, Department of Health, City of New York, by Statistical Division, New York Tuberculosis and Health Association.

The effectiveness of adding a medical social worker to the professional team in chest clinic activities was demonstrated in the Lower Harlem Chest Clinic of the New York City Department of Health. There are tuberculosis patients who deny that they are sick and refuse to accept hospital care or other treatment. During a three-year demonstration the social worker was able to give direct help to patients having some difficulty in accepting recommended treatment and by consultation to help doctors and nurses with the social problems of these patients.(†)

CLINICS Whereas five years ago 50 percent of tuberculosis patients under clinic care were taking advantage of the facilities provided by the Department of Health, in 1955 the proportion rose to two-thirds of all clinic patients. Cases under care have been on the increase in the Health Department clinics going from 2,376 in 1953 to 2,775 in 1955. Other clinics than those of the Department of Health experienced a declining trend and now have fewer persons under supervision for tuberculosis.

PATIENTS WITH ACTIVE TUBERCULOSIS UNDER CLINIC CARE  
(Active Cases on Tuberculosis Register, December 31)  
New York City, 1950-1955

Patients	1950	1951	1952	1953	1954	1955
<b>DEPARTMENT OF HEALTH CLINICS</b>						
Manhattan .....	1,174	1,231	1,053	1,018	1,096	1,147
Bronx .....	364	351	308	261	357	422
Brooklyn .....	903	832	835	870	952	941
Queens .....	286	283	267	208	263	246
Richmond .....	33	31	19	19	21	19
New York City .....	2,760	2,728	2,482	2,376	2,689	2,775
<b>OTHER CLINICS(*)</b>						
Manhattan .....	1,412	1,381	1,122	1,147	1,004	703
Bronx .....	387	365	362	400	404	250
Brooklyn .....	474	482	378	444	349	337
Queens .....	419	475	491	516	458	353
Richmond .....	29	29	26	12	12	10
New York City .....	2,721	2,732	2,379	2,519	2,227	1,653
<b>TOTAL ALL CLINICS</b>						
Manhattan .....	2,586	2,612	2,175	2,165	2,100	1,850
Bronx .....	751	716	670	661	761	672
Brooklyn .....	1,377	1,314	1,213	1,314	1,301	1,278
Queens .....	705	758	758	724	721	599
Richmond .....	62	60	45	31	33	29
New York City .....	5,481	5,460	4,861	4,895	4,916	4,428

(\*) Department of Hospitals and other voluntary hospitals.

(†) Final Report, Medical Social Work Project in Lower Harlem Chest Clinic, New York Tuberculosis and Health Assn., New York Dept. of Health, June 1955.

B.C.G. vaccinations were given less frequently in 1955 than in any of the previous five years. The decline from the peak year (1952) has been by 46 percent.

B.C.G. VACCINATIONS  
Department of Health, City of New York, Since 1949

Year:-	1949	1950	1951	1952	1953	1954	1955
B.C.G. Vaccinations							
Original BCG vac.	101	804	1,069	1,405	1,253	...	...
Revaccinations ..	0	5	23	79	86	...	...
Total .....	101	809	1,092	1,484	1,339	922	805

October 1949 this service was started at the Central Harlem Health Center and in February 1951 at Fort Greene.

Beginning in May 1954, B.C.G. services were available only at the Central Chest Clinic of the Department of Health.

In 1955 there were 2,400 visits to B.C.G. clinics as compared to 4,887 in 1954.

**PRIVATE PHYSICIANS**      According to Department of Health records 1,117 persons with active tuberculosis were under the care of private physicians on December 31, 1955 or 371 fewer than one year ago and less than half as many as in 1951.

UNDER CARE OF PRIVATE PHYSICIANS\*

Patients	1950	1951	1952	1953	1954	1955
Manhattan .....	637	560	483	456	376	247
Bronx .....	468	438	363	342	262	204
Brooklyn .....	1,013	893	675	642	452	328
Queens .....	635	535	510	514	351	292
Richmond .....	81	84	60	55	47	46
New York City ..	2,834	2,510	2,091	2,009	1,488	1,117

\*Cases on tuberculosis register as of December 31.

At the end of 1955, 4,412 patients were under specific antibacterial drug treatment at the Health Department clinics as compared to around 3,000 at the beginning of the year. These include both the active and arrested cases. Therefore, practically all of the unhospitalized persons with tuberculosis attending these clinics receive some form of drug therapy.

Robins and Schwartz(†) reported that "Eighty percent of the patients with active pulmonary tuberculosis who have received drug treatment through the clinics of the Department of Health give a history of having been hospitalized previously. Many have left institutions against medical advice, others have been medically discharged as arrested and experienced recent reactivation of their disease. Some have been released with supposedly stable lesions which showed clinical evidence of activity shortly after discharge. In addition, there is the small group who have consistently refused to enter a hospital. All these patients have two features in common. They are suffering from active pulmonary tuberculosis and they will not enter or re-enter a hospital voluntarily. Compulsory hospitalization can be applied to them to a limited degree since there are only ten beds available in New York City for forcible detention of male tuberculosis patients. For the remainder, a clinic drug treatment program offers the only approach from both the clinical and public health point of view."

In 1954, on an average, the number of patients starting antibacterial treatment at the Department of Health Chest Clinics was 192 per month; in 1955 the number increased to 233.

It was stated that: "The results of the use of drugs for treatment of tuberculosis in Department clinics has been highly successful. Less than three percent of the arrested cases have relapsed and 38 percent of the active cases have been classified as arrested one year after treatment was started. Tubercle bacilli could no longer be recovered on culture twelve months later in 58 percent of the cases who were positive at the beginning of treatment."(‡)

(†)Robins, Arthur B., M.D., Schwartz, Samuel, M.D., Bureau of Tuberculosis, Department of Health, City of New York, Tuberculosis Case-Conference, West Point, N.Y. (Feb. 1956).

(‡)Department of Health, City of New York, newspaper release, Jan. 3, 1956.

SPECIFIC ANTIBACTERIAL DRUG TREATMENT CASES, SINCE 1953  
Chest Clinics, Department of Health, City of New York

Year	Patients on Treatment	
	End of Month*	Started† Treatment
1953		
December .....	1,111	...
1954		
January .....	1,215	156
February .....	1,385	159
March .....	1,541	191
April .....	1,691	185
May .....	1,886	198
June .....	2,024	204
July .....	2,123	156
August .....	2,297	200
September .....	2,471	210
October .....	2,689	247
November .....	2,847	217
December .....	2,963	179
Total 1954 .....	...	2,302
1955		
January .....	3,048	211
February .....	3,180	225
March .....	3,353	251
April .....	3,508	225
May .....	3,660	230
June .....	3,851	277
July .....	3,967	227
August .....	4,082	203
September .....	4,249	290
October .....	4,394	231
November .....	4,493	215
December .....	4,412	209
Total 1955 .....	...	2,794
1956		
January .....	4,513	242
February .....	4,629	249
March .....	4,681	206
April .....	4,699	200
May .....	4,834	293
June .....	4,838	277
July .....	4,916	242
August .....	5,030	195

\*Patients under clinic supervision including active and arrested cases. †Exclusive of those restarted on treatment. Report by courtesy of Bureau of Tuberculosis, Department of Health, City of New York.

**TUBERCULIN TESTING** A preliminary report(†) of the tuberculin patch testing program, during the 1955-1956 academic year, in the secondary schools of New York City, brings out that 50,537 "new admissions to the first and third terms (age 13-15)" participated. Of the 46,361 tests read, 3,852 or 8.3 percent showed a positive reaction. Subsequently 3,505 of the positive reactors were x-rayed in the Health Department clinics and six active cases of tuberculosis (0.12 per 1,000 tuberculin tested) were found.

**TUBERCULIN PATCH TESTING PROGRAM IN SECONDARY SCHOOLS**  
New York City  
(October 1955-March 1956)

Borough:-	Manhattan	Bronx	Brooklyn	Queens	Richmond	New York City
Total pupils eligible ...	18,166	11,897	30,323	10,945	2,731	74,062
Tuberculin tests applied.	13,222	7,285	20,629	7,242	2,159	50,537
Percentage participating.	72.2%	61.2%	68.0%	66.1%	79.0%	68.2%
Number tests read .....	11,428	6,844	19,314	6,802	1,973	46,361
Positive reactors .....	1,796	417	1,303	249	87	3,852
Percentage positive .....	15.8%	6.1%	6.7%	3.6%	4.4%	8.3%

Schools: Public 81, annexes 11, Catholic 73, Hebrew 12, Private-Non-Sect. 1.

The Department of Health reported that case finding among children was being increasingly based on tuberculin testing and where a positive reaction was found an x-ray examination of the children and members of their families was given. During a seven-month period in 1955, 37,000 children under six years attending the Department's Child Health Stations were given patch tests and positive reactions were obtained in 1.8 percent of this group.(#)

(†)Daly, Joan N., M.D., Tuberculin Patch Testing Program in Secondary Schools, School Health Services, Department of Health, City of New York, 1956.  
(#)Department of Health, City of New York, newspaper release, Jan. 3, 1956.

### PREVAILING MODE OF TREATMENT

The extent of specific types of "treatment" of tuberculosis in New York City cannot be summarized for the whole community since there is no central authority which compiles, records and reports such details. It is necessary, therefore, to resort to reports of individual hospitals and the type of surveys mentioned elsewhere. From these general sources it is clear that, in New York City, all forms of techniques, and the latest developments in surgery, medicine and public health practice are widely utilized.

Hospitals take care of about half of the active cases of tuberculosis, out-patient services in clinics are on the increase and private physicians report fewer cases under their supervision. Specific antibacterial drug treatment would appear from the records at hand to be almost universally used and on the increase. There has been a changing trend recently in the types of surgical operations for tuberculosis.

Figures supplied for New York City hospitals and sanatoria point to a material drop in the number of initial pneumothorax and pneumoperitoneum procedures in the last few years, a trend also noted in other parts of the country. Thoracoplasty is less frequently resorted to, and lobectomies were fewer in 1955 than in previous years.

Thirty-three hospitals and sanatoria in the Metropolitan New York Area and State of New Jersey reported a total of 23,291 patients treated in 1955. Although the majority were under care for tuberculosis some were hospitalized for other conditions. These institutions discharged 16,141 persons (alive and dead) including 2,021 discharged alive but classified as non-tuberculous and 640 as having died from causes other than tuberculosis. Thoracoplasty operations were done in 215 instances, segmental wedge 117, lobectomies 326, and pneumonectomies 154 in this group of hospitals and sanatoria.

**TRENDS IN FORMS OF TUBERCULOSIS**  
of pulmonary tuberculosis in a score of New York Hospitals  
between 1945 and 1955

Procedures and Operations	1945	1950	1951	1952	1953	1954	1955
Reporting institutions* ..	19	19	19	19	19	19	17†
Total patients treated ...	14,609	15,812	16,514	16,767	16,709	16,520	15,536
<b>Pneumothorax:</b>							
Successful initial .....	1,110	1,028	998	320	277	111	60
Refills .....	51,049	34,532	24,574	14,274	...	...	...
Aspirations .....	2,866	1,829	1,544	1,067	...	...	...
Extrapleural pneumothorax.	30	8	230	94	...	...	...
<b>Pneumonolyses:</b>							
Open .....	71	45	24	27	...	...	...
Closed .....	384	195	99	50	...	...	...
<b>Oleothoraces .....</b>	2	5	31	8	...	...	...
<b>Pneumoperitoneums .....</b>	546	22,748	31,035	34,719	...	...	...
Successful initial .....	...	...	...	...	729	433	195
<b>Phrenic operations .....</b>	108	163	147	28	...	...	...
<b>Thoracoplasties .....</b>	556	869	528	246	317	196	110
<b>Segmental wedge resection.</b>	...	...	...	...	109	118	111
<b>Cavernostomies .....</b>	41	28	28	7	...	...	...
<b>Lobectomies .....</b>	26	195	259	228	240	254	198
<b>Pneumonectomies .....</b>	14	181	156	115	147	100	117
<b>Other .....</b>	20	96	67	279	...	...	...

\*Reporting hospitals: Bellevue, City, Harlem, Kings County, Kingston Avenue, Metropolitan, Sea View, Triboro, Ray Brook, Brooklyn Thoracic (closed Sept. 16, 1955), House of Rest (closed Oct. 30, 1954), Lenox Hill (closed March 12, 1954), Otisville Sanatorium (closed Oct. 15, 1954), Montefiore Hospital and Westchester Division (closed Dec. 31, 1955), New York, St. Anthony's, St. Joseph's and Seton (closed April 15, 1955). †Nathan B. Van Etten (opened Tbc. Service Nov. 1, 1954) included. (...) = Details not available.

Compiled from reports of Tuberculosis Sanatorium Conference of Metropolitan New York and Bureau of Records and Statistics, Department of Health, City of New York, by Statistical Division, New York Tuberculosis and Health Association.

SURGICAL OPERATIONS AND PROCEDURES IN TREATMENT  
of Pulmonary Tuberculosis, Year 1955  
Tuberculosis Sanatorium Conference of Metropolitan New York

INSTITUTION*	Total Patients Treated During Year	Procedures and Operations						
		Pneumo-thorax Initial	Pneumo-peri- toneum Initial	Pneu- mon- ec- tomy	Lo- bec- tomy	Seg- men- tal Wedge	Tho- raco- plasty	Other Surg. †
<b>NEW YORK: HOSPITALS AND SANATORIA</b>								
1 Bellevue Hospital .....	2,131	7	3	24	39	33	19	354
2 City Hospital .....	303	0	9	0	0	0	0	0
3 Harlem Hospital .....	657	1	1	1	0	0	0	54
4 Kings County Hospital ....	2,648	7	81	26	32	16	17	2,629
5 Kingston Avenue Hospital .	386	1	12	0	0	0	0	259
6 Metropolitan Hospital ....	768	7	15	7	7	1	3	972
7 Nathan B. Van Etten Hosp.	637	0	0	6	22	2	9	10
8 Sea View Hospital .....	3,266	31	33	22	9	1	10	17
9 Seton Hospital .....	423	0	0	1	12	2	5	33
10 Triboro Hospital .....	1,332	0	9	8	23	10	12	22
Department of Hospitals ..	12,551	54	163	95	144	65	75	4,350
11 N.Y.State Hosp., Ray Brook.	207	0	0	1	8	25	7	7
12 Brooklyn Thoracic Hospital	250	1	0	0	0	0	0	29
13 Manhattan General Hospital	634	0	37	4	4	0	0	33
14 Montefiore Hosp. (West.Div.)	434	0	1	0	0	0	0	129
15 Montefiore Hosp. (Tbc.Serv.)	518	3	0	5	25	9	5	10
16 New York Hospital .....	65	0	0	1	7	0	6	2
17 St. Anthony's Hospital ...	806	2	31	3	5	0	9	71
18 St. Joseph's Hospital ....	685	0	0	12	9	12	8	210
Total Private Institutions	3,392	6	69	25	50	21	28	484
<b>SUBURBAN AREA - Outside City</b>								
19 Grasslands Hospital .....	571	4	6	6	9	5	5	28
20 Summit Park Sanatorium ...	180	0	8	0	0	0	0	20
21 Nassau County Sanatorium .	508	0	6	0	7	9	17	1,407
22 Suffolk Sanatorium .....	256	0	3	0	0	0	0	0
Total Suburban Inst. ....	1,515	4	23	6	16	14	22	1,455
<b>NEW JERSEY: HOSPITALS AND SANATORIA</b>								
23 Bergen County Hospital ...	558	0	0	5	16	1	0	106
24 Deborah Sanatorium .....	327	1	2	1	9	10	2	216
25 Essex County Sanatorium ..	752	2	0	1	2	1	16	5
26 Lakeland Sanatorium .....	304	9	10	0	0	0	0	0
27 Newcomb Hosp. for Chest Dis.	147	1	25	1	1	0	0	1
28 N.J.San. for Chest Dis. ...	471	17	2	3	23	15	1	6
29 Pollak Hosp. for Chest Dis.	1,304	10	9	9	24	3	12	49
30 Roosevelt Hospital .....	706	3	2	4	11	10	7	3
31 Runnells Hosp. for Chest Dis.	540	5	9	3	11	0	13	5
32 Shonghum Mountain San. ...	106	0	0	0	6	1	6	1
33 Valley View Sanatorium ...	411	3	6	0	5	11	26	33
NEW JERSEY TOTAL .....	5,626	51	65	27	108	52	83	425
<b>GRAND TOTAL .....</b>	<b>23,291</b>	<b>115</b>	<b>320</b>	<b>154</b>	<b>326</b>	<b>117</b>	<b>215</b>	<b>6,721</b>

\*Members reporting to Tuberculosis Sanatorium Conference of Metropolitan New York.

†All other surgical operations and examinations.

Compiled from reports of Tuberculosis Sanatorium Conference of Metropolitan New York and Bureau of Records and Statistics, Department of Health, City of New York, by Statistical Division, New York Tuberculosis and Health Association.

### X-RAY EXAMINATIONS FOR TUBERCULOSIS(\*)

The combined total of 711,364 x-ray examinations for the detection of tuberculosis in 1955, by public and private health agencies, was the largest number ever recorded in New York City during a single year. The Department of Health was responsible for 619,247 of these examinations or 87 percent of the total; the three Tuberculosis and Health Associations carried out 92,117 such examinations. It should be recalled that additional thousands of x-ray examinations, by the Department of Hospitals clinics, private clinics, as well as by private physicians and hospitals, were also done but not included in the above as data were not available. The Department of Health estimates that the community is now x-raying people at the rate of one million a year.

Of the 619,247 examinations by the Department of Health, 456,399 x-rays were in connection with surveys (61,025 in clinics, 395,374 in field) and 162,848 for patients attending clinics. What was described as "the biggest TB case finding effort" of the Department of Health has been the community-wide mass x-ray program started in October, 1955, in the Morrisania and Mott Haven sections of the Borough of the Bronx. It was being carried out with the cooperation of community groups and agencies in the South Bronx. Six x-ray units, five mounted in trucks and one portable unit, were in continuous operation in the area. A preliminary report covering the period October 3, 1955 to June 30, 1956 would indicate that about 280,000 persons were given a chest x-ray examination and more than 400 active cases of tuberculosis, most of them previously unknown, were said to have been found.

The Tuberculosis and Health Associations cooperated with the Department of Health by assisting with volunteer workers, clerical work and publicity in

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(\*)By the Department of Health and Tuberculosis Associations.

connection with 104,743 x-ray examinations for the detection of tuberculosis: Queensboro Tuberculosis and Health Association = 55,680, Brooklyn Tuberculosis and Health Association = 15,843, New York Tuberculosis and Health Association = 33,220 (Harlem Tuberculosis and Health Committee, 14,434, Washington Heights-Riverside Health Committee, 12,658, Staten Island Tuberculosis and Health Committee, 6,128). The Bronx Tuberculosis and Health Committee served as advisors and its health educators helped organize South Bronx residents in connection with the Health Department survey in Morrisania and Mott Haven.

Additional x-ray services are made available to the general public by the Tuberculosis Associations. In 1955 the Brooklyn Tuberculosis and Health Association, through its x-ray mobile unit, special services to industry and chest x-ray unit, completed 28,231 examinations; the Queensboro Tuberculosis and Health Association provided 29,223 x-rays (Dollar X-ray 14,532, Consultation Chest Service 2,963, Industrial Chest Service 11,728). The New York Tuberculosis and Health Association (Manhattan 25,245, Bronx 7,248, and Staten Island 2,170) completed 34,663 x-ray examinations in its office services and outside activities in industry, business and schools.

X-RAY EXAMINATIONS FOR TUBERCULOSIS  
New York City, 1950-1955

Agency:- Year	Department of Health	Brooklyn TB and Health Assn.	Queensboro TB and Health Assn.	New York TB and Health Assn.	Total X-ray Exami- nations for TB
1950 .....	437,931	44,268	56,654	22,754	561,607
1951 .....	523,683	49,133	27,904	24,970	625,690
1952 .....	421,702	48,765	29,618	27,590	527,675
1953 .....	456,529	46,441	27,905	33,949	564,824
1954 .....	511,415	30,261	26,290	25,755	593,721
1955 .....	619,247	28,231	29,223	34,663	711,364

Based on reports from organizations listed above. In addition x-ray examinations were made by Department of Hospitals Clinics and Private Clinics for which agencies data were not available.

TUBERCULOSIS X-RAY CASE FINDING ACTIVITIES  
 United States, Alaska, Hawaii, Puerto Rico  
 as Reported by State and Territorial Health Departments, 1951-1954

Year	X-Rays Taken*				
	United States	Alaska	Hawaii	Puerto Rico	Total
1951(a).....	11,107,806	10,186	129,739	320,036	11,567,767
1952(b).....	13,466,229	16,249	127,021	252,685	13,862,184
1953(c).....	15,545,875	20,211	117,665	346,811	16,030,562
1954.....	16,233,027	38,316	138,473	278,461	16,688,277

\*Note: Above totals include only number reported.

(a) California, Vermont not included, few other states incomplete.

(b) Nevada not included. (c) Nevada not included, Ohio specifically reported as incomplete.

New tuberculosis cases found per 1,000 x-rays taken, for areas submitting data: 1952=2.6, 1953=2.3, 1954=1.9.

The Public Health Service notes that-- "The number of X-rays reported taken in tuberculosis casefinding activities by each State is not always complete because frequently there is X-raying under the auspices of private industry or other organizations for which no reports are received by the State Health Departments concerned. X-rays taken by Federal Agencies, except the Public Health Service, also are not generally included in the totals of the State and Territorial health departments. When X-rays taken by Federal Agencies are added to the total reported by the State and Territorial health departments, the number of X-rays taken for tuberculosis casefinding during the calendar year 1954 exceeded 22,000,000."(†)

(†)Reported Tuberculosis Data, Calendar Year 1954, Public Health Service, U.S. Department of Health, Education, and Welfare.

## ROUTINE CHEST X-RAYS OF GENERAL HOSPITAL ADMISSIONS

The purpose of instituting routine chest x-ray examinations of general hospital admissions was outlined by the New York State Department of Health in 1952(†) as follows:

"This program has the objective of discovering previously unknown cases of tuberculosis by the chest x-ray examination of each adult patient admitted to a general hospital. A special program has been instituted for this selected group because there is evidence which indicates that the prevalence of active tuberculosis is greater in this group than in a non-selected group of the general population. This objective can be realized only by the energetic promotion of this program by district, county and city health officers."

The State will loan without charge the complete photo-roentgen instrument to non-profit general hospitals which can guarantee the chest x-ray examination of not less than 4,000 admitted adult patients annually. In addition, 50¢ for each x-ray reported will be paid to the hospital by the State. All films are to be interpreted by the hospital staff and the full program remains under complete control of the hospital. This arrangement also encourages the x-ray examination of adults admitted to out-patient departments and same rate of payment is made for reported examinations.

Although hospitals with fewer than 4,000 admissions annually do not qualify for the loan of apparatus, they are encouraged to carry out routine admission examinations using their own x-ray equipment. Under this plan, \$1.00 for each x-ray examination will be paid by the State and for both adult in-patients and out-patients.

Grant funds recently received from, or authorized by, the Ford Foundation may be applied by voluntary non-profit hospitals to help support a diagnostic service of this type as a part of their service to the community.

(†)January 10, 1952, New York State, Department of Health.

It was anticipated that by midsummer 1956 the Department of Hospitals would be taking chest x-rays of a large proportion of its patients on admission. Each year around 200,000 people are admitted to these hospitals. In March 1956, Kings County Hospital in Brooklyn, Harlem Hospital in Manhattan and Morrisania Hospital in the Bronx were using their own photofluorographic units, by September Queens General Hospital and Metropolitan Hospital in Manhattan were in the State program. In addition, by the end of September (1956) six hospitals were x-raying admissions with N.Y. State equipment (Lincoln, Greenpoint, Bellevue, Fordham, Cumberland, Sydenham), also two chronic disease hospitals (Goldwater Memorial, Bird S. Coler) were using their own (14 x 17) equipment. Awaiting entry into the program the following hospitals will use their own equipment: Coney Island, Elmhurst General and Jacobi.

Voluntary hospitals in the city have been approached and urged to undertake this activity as a routine procedure. Some of these institutions had already started x-raying admissions on a more or less regular basis.

Presbyterian Hospital entered the State program in August, 1955, and by the end of the year reported completing 6,300 x-rays and finding 21 cases of active pulmonary tuberculosis. Roosevelt Hospital entered the program in September, 1955, and during four months reported 1,276 x-rays taken and finding three active cases. In July, 1956, the Jewish Chronic Disease Hospital in Brooklyn and St. Barnabas Hospital in Manhattan were participating in the program using their own equipment, and also by September Montefiore and Bronx Hospitals were using State equipment.

Other voluntary hospitals awaiting State equipment (Sept. 1956) were: Mother Cabrini, St. Luke's, New York, Lebanon, St. Vincent's (Manhattan),

Montefiore, Bronx, Joint Diseases, St. Vincent's (Richmond), Long Island Jewish, Knickerbocker, St. John's (L.I.C.), Columbus, Methodist, New York Polyclinic, St. Francis (Bronx) and Flushing, also New York Infirmary (own equipment).

Six other hospitals postponed entering the State program due principally to construction problems. In addition, other institutions expressed interest in the program although failing to enter their applications by mid-1956.

Results of the general hospital admission chest x-ray program in New York City are limited since the volume of work reported upon reflects the activities of only five hospitals in the State Plan during the last six months of 1955.

In these institutions between July 1 and December 31, 1955, 17,264 admission x-rays were taken. Active pulmonary tuberculosis was found in 131 persons (Minimal 40, Moderately Advanced 43, Far Advanced 48) or a rate of 7.6 cases per 1,000 x-ray examinations.(†)

In Upstate New York on initial diagnosis of 286,828 persons, at fifteen years of age or over, who were x-rayed on admission to 81 general hospitals and the Syracuse Free Dispensary, 464 were diagnosed as "probably active" or 1.6 per 1,000 individuals x-rayed.(‡)

(†)Department of Health, City of New York.

(‡)Annual Report 1955, Division of Tuberculosis Control, New York State Department of Health (1956).

HOSPITALIZATION FOR TUBERCULOSIS

Fewer New York City residents were under hospital or sanatorium care in 1955 than has been the experience for many years. On December 31, 6,690 persons with tuberculosis were hospitalized either in institutions located within New York City (5,332) or in sanatoria (1,318) and health resort establishments (40) out of town. Around 80 percent continue to be taken care of in town, the greater proportion under responsibility of the Department of Hospitals. Although the 6,690 persons in hospitals or sanatoria are 2,560 fewer than in 1950, a 28 percent decline in number, they comprise almost one-half of the patients under medical care or supervision on the last day of the year. The above figures refer to all tuberculosis patients with active disease not only those in the organized services and special institutions or sanatoria but in any hospital facility.

HOSPITALIZATION FOR TUBERCULOSIS, NEW YORK CITY RESIDENTS  
Patients Hospitalized on Last Day of Each Year  
Six-Year Period 1950-1955

Patients Year	Hospitals in city			Sanatoria out of town†			Total
	Pulmo- nary	Other Forms	All Forms	Pulmo- nary	Other Forms	All Forms	
1950 .....	6,338	376	6,714	2,503	33	2,536	9,250
1951 .....	6,580	407	6,987	2,507	38	2,545	9,532
1952 .....	6,889	458	7,347	2,353	20	2,373	9,720
1953 .....	6,597	486	7,083	2,314	46	2,360	9,443
1954 .....	5,722	486	6,208	1,798	35	1,833	8,041
1955 .....	4,884	448	5,332	1,339	19	1,358	6,690

†Included are a few in boarding-houses in health resorts: 1950 = 175, 1951 = 157, 1952 = 114, 1953 = 101, 1954 = 71, 1955 = 40.  
Based on Tuberculosis Register, Department of Health, City of New York.

In twenty-one institutions(\*) with patients from the New York Metropolitan Area there were, on December 31, 1955, 5,915 beds available (complement) for 5,253 tuberculosis patients or an occupancy rate of 89 percent.

(\*)Based on reports of Tuberculosis Sanatorium Conference of Metropolitan New York and Department of Health, City of New York.

TUBERCULOSIS HOSPITAL FACILITIES  
New York Metropolitan Area, Dec. 31, 1954 and 1955

HOSPITALS and SANATORIA	Tuberculosis Bed Complement		Patient Census December 31		Ratio Bed Occupancy	
	1954	1955	1954	1955	1954	1955
	<b>NEW YORK: HOSPITALS and SANATORIA</b>					
Bellevue Hospital (a) .....	386	368	271	288	70%	78%
City Hospital (b) .....	112	112	97	110	87%	98%
Harlem Hospital (b) .....	48	48	50	47	104%	98%
Kings County Hospital (a) .....	614	643	524	562	85%	87%
Kingston Avenue Hospital (b) ....	183	108	151	44	83%	41%
Metropolitan Hospital (b) .....	348	315	299	282	86%	90%
Nathan B. Van Etten Hospital (b).	135	260	124	252	92%	97%
Neponsit Beach Hospital .....	100	(x)	42	...	42%	...
Sea View Hospital .....	1,420	1,420	1,262	1,452	89%	102%
Seton Hospital .....	434	(x)	363	...	84%	...
Triboro Hospital .....	527	527	468	531	89%	101%
Willard Parker Hospital (b) ....	187	(x)	149	...	80%	...
Department of Hospitals .....	4,494	3,801	3,800	3,568	85%	94%
N.Y. State Hospital, Ray Brook ..	102†	108†	102	108	...	...
Other State and County Hospitals.	79†	51†	79	51	...	...
Brooklyn Thoracic Hospital .....	128	(x)	126	...	98%	...
Hosp. Jt. Diseases (Tbc. Cases) .	10	10	1	1	10%	10%
Manhattan General Hospital .....	361	256	357	167	99%	65%
Montefiore Hosp. (Westch. Div.) .	235	(x)	232	...	99%	...
Montefiore Hospital .....	84	103(c)	83	103(c)	99%	100%
New York Hospital (Tbc. Service).	25	26	26	24	104%	92%
St. Anthony's Hospital .....	370	370	350	345	95%	93%
St. Joseph's Hospital .....	304	304	275	242	90%	80%
Stony Wold Sanatorium .....	92†	(x)	92	...	...	...
Private Institutions .....	1,609	1,069	1,542	882	96%	83%
New York City Patients .....	6,284	5,029	5,523	4,609	88%	92%
<b>SUBURBAN AREA - Outside City</b>						
Grasslands Hosp. (Tbc. Service) .	293	300	208	212	71%	71%
Gray Oaks Hospital .....	45	(x)	22	...	49%	...
Nassau County Sanatorium .....	357	357	276	263	77%	74%
Suffolk Sanatorium .....	141	141	96	101	68%	72%
Summit Park Sanatorium .....	88	88	88	68	100%	77%
N.Y. Suburban Institutions .....	924	886	690	644	75%	73%
<b>GRAND TOTAL .....</b>	<b>7,208</b>	<b>5,915</b>	<b>6,213</b>	<b>5,253</b>	<b>86%</b>	<b>89%</b>

†No stated bed complement. (x) Closed during year 1955. (a) TB unit. (b) TB Service. (c) Normal complement in TB Service 84 beds; figure of 103 includes additional beds in pulmonary wing needed for patients transferred from Westchester Division.

Data by courtesy of Department of Hospitals and Department of Health, City of New York, and Authorities of Private Institutions. Compiled by Statistical Division, New York Tuberculosis and Health Association.

Hospital beds in the Department of Hospitals institutions were somewhat more fully utilized than was the case in private hospitals or sanatoria in the suburban area.

NEW YORK CITY PATIENTS(\*)  
In Upstate New York Tuberculosis Institutions  
On Last Day of Year, 1953-1955

Year:-	1953	1954	1955
<b>STATE SANATORIA</b>			
Hermann M. Biggs Memorial Hospital .....	32	36	24
Broadacres Sanatorium .....	3	..	2
Homer Folks Tuberculosis Hospital .....	24	11	2
Mt. Morris Tuberculosis Hospital .....	..	..	2
Onondaga Sanatorium .....	2	2	2
Ray Brook State Hospital .....	94	102	101
	155	151	133
<b>COUNTY INSTITUTIONS</b>			
Grasslands Hospital .....	3	3	1
Homestead Sanatorium .....	1	..	1
Nassau County Sanatorium .....	2	1	5
Suffolk County Sanatorium .....	2	1	..
Summit Park Sanatorium .....	21	25	12
	29	30	19
<b>VOLUNTARY INSTITUTIONS</b>			
Stony Wold Sanatorium .....	92	92	(†)
<b>Total New York City Charges(*) .....</b>	<b>276</b>	<b>273</b>	<b>152</b>

(†) Closed in 1955. (\*) New York "city-charge" cases.  
Based on reports by courtesy of Bureau of Administration,  
Department of Hospitals, City of New York.

BED COMPLEMENT, 1950-1955  
Tuberculosis Hospitals and Sanatoria, New York City

HOSPITALS and SANATORIA	December 31					
	1950	1951	1952	1953	1954	1955
Bellevue Hospital <sup>x</sup> .....	517	499	495	390	386	368
City Hospital .....	112	112	112	112	112	112
Harlem Hospital .....	48	48	48	48	48	48
Kings County Hospital .....	262	405	585	614	614	643
Kingston Avenue Hospital .....	204	204	204	183	183	108
Metropolitan Hospital .....	327	348	348	348	348	315(1)
Morrisania Hospital .....	60	60	60	60	(a)	...
Municipal San., Otisville .....	420	420	420	420	(b)	...
Nathan B. Van Etten Hospital .....	...	...	...	...	135(c)	260
Neponsit Beach Hospital .....	160	200	200	200	100	(d)
Sea View Hospital .....	1,402	1,402	1,402	1,402	1,420	1,420
Seton Hospital .....	450	450	434	434	434	(e)
Triboro Hospital .....	557	557	545	545	527	527
Willard Parker Hospital .....	91	110	155	155	187	(j)
Department of Hospitals .....	4,610	4,815	5,008	4,911	4,494	3,801
N.Y. State Hosp., Ray Brook† .....	117	122	99	94	102	108
Other State and County Hospital† .....	83	120	77	90	79	51
Brooklyn Thoracic Hospital .....	125	125	125	127	128	(k)
House of Rest .....	76	76	76	76	(f)	...
Hosp. Jt. Diseases (Tbc. Cases)† ..	7	4	5	4	10	10
Hosp. Jt. Diseases (Country Home) ..	60	60	60	(g)	...	...
Lenox Hill Hospital (Tbc. Service) ..	21	21	21	21	(h)	...
Manhattan General Hospital† .....	340	340	338	337	361	256
Montefiore Hospital (Westch. Div.) ..	236	235	235	235	235	(1)
Montefiore Hospital (Tbc. Service) ..	112	112	118	89	84	84(x)
New York Hospital (Tbc. Service) ..	26	26	26	22	25	26
St. Anthony's Hospital .....	400	400	375	380	370	370
St. Joseph's Hospital .....	300	297	297	282	304	304
Stony Wold Sanatorium† .....	83	79	113	92	92	(m)
Private Institutions .....	1,786	1,775	1,789	1,665	1,609	1,041
New York City Patients .....	6,596	6,832	6,973	6,760	6,284	4,983

†No stated bed complement for N.Y.C. patients. ‡Including Brooklyn Annex, which was closed October 1955. \*Including tuberculosis beds for children.

(a) Morrisania Hospital closed Tbc. Service Sept. 1, 1954. (b) Municipal San., Otisville, closed Oct. 15, 1954. (c) Nathan B. Van Etten Hosp. Tbc. Service opened Nov. 1, 1954. (d) Neponsit Beach Hosp. closed Jan. 11, 1955. (e) Seton Hosp. closed April 15, 1955. (f) House of Rest closed Oct. 30, 1954. (g) Country Home, Hosp. Jt. Diseases closed July 31, 1953. (h) Lenox Hill Hosp. Tbc. Service closed March 12, 1954. (i) Metropolitan Hospital, new building (East Harlem), opened Sept. 13, 1955; (j) Willard Parker Hospital closed Tbc. Service Dec. 8, 1955. (k) Brooklyn Thoracic Hospital closed Sept. 16, 1955. (l) Montefiore Hospital, Westchester Division, closed Dec. 31, 1955. (m) Stony Wold Sanatorium closed Nov. 30, 1955. (X) Exclusive of additional beds in pulmonary wing used to accommodate patients transferred from Westchester Division.

Data by courtesy of Department of Hospitals, Department of Health, City of New York, Authorities of Private Institutions. Compiled by Statistical Division, New York Tuberculosis and Health Association.

PATIENT CENSUS, TUBERCULOSIS HOSPITALS AND SANATORIA  
New York City, 1930, 1935, 1940, 1945, 1950-55

HOSPITALS and SANATORIA*	Census on Last Day of Year									
	1930	1935	1940	1945	1950	1951	1952	1953	1954	1955
<b>DEPARTMENT OF HOSPITALS:</b>										
Bellevue Hospital .....	158	218	357	294	480	496	448	337	271	288
City Hospital(a) .....	..	..	36	14	104	130	122	102	97	110
Harlem Hospital(b) .....	..	..	33	63	62	72	61	60	50	47
Kings County Hospital.....	38	190	203	110	304	362	518	549	524	562
Kingston Avenue Hospital ...	64	70	67	130	198	202	203	164	151	44
Metropolitan Hospital .....	422	417	422	352	348	353	357	363	299	282(o)
Morrisania Hospital (c) ....	..	..	..	..	46	33	37	29	..	..
Municipal San., Otisville(d).	366	342	384	318	388	363	361	293	..	..
Nathan B. Van Etten Hosp.(e)	..	..	..	..	..	..	..	..	124	252
Neponsit Beach Hospital (f).	121	116	100	..	154	194	180	184	42	..
Riverside Hospital (g) .....	261	337	344	..	..	..	..	..	..	..
Sea View Hospital .....	1015	1555	1969	1284	1524	1442	1559	1354	1262	1452
Seton Hospital (h) .....	415	481	557	484	415	416	421	415	363	..
Triboro Hospital (i) .....	..	..	..	391	601	602	571	570	468	531
Willard Parker Hospital (j).	96	92	18	..	74	114	140	117	149	..
Total Census .....	2956	3818	4490	3440	4698	4779	4978	4537	3800	3568
(No. of Hospitals) .....	(10)	(10)	(12)	(10)	(13)	(13)	(13)	(13)	(12)	(9)
<b>PRIVATE INSTITUTIONS:</b>										
Brooklyn Thoracic Hospital..	109	110	127	82	112	120	116	119	126	(p)
House of Rest (k) .....	27	54	74	62	63	62	48	14	..	..
Hosp. Jt. Diseases(Tbc. Cases).	13	5	13	8	7	4	5	4	1	1
Hosp. Jt. Dis. (Country Home)(l)	53	57	56	42	56	48	41	..	..	..
Lenox Hill Hosp. (Tbc. Serv.)(m)	..	41	31	19	21	20	19	18	..	..
Manhattan Gen'l Hosp. ¶(n) .	..	..	..	..	324	334	331	309	357	167
Montefiore Hosp. (Westch. Div.)	227	223	229	190	228	234	233	234	232	(q)
Montefiore Hosp. (Tbc. Serv.)	145	169	154	88	119	119	117	97	83	103(X)
New York Hospital(Tbc. Serv.)	..	21	13	21	25	20	25	25	26	24
St. Anthony's Hospital .....	376	382	369	329	353	362	348	330	350	345
St. Joseph's Hospital .....	280	284	299	289	291	274	279	285	275	242
Stony Wold Sanatorium .....	..	..	..	..	83	79	113	92	92	(r)
Total Census .....	1230	1346	1365	1130	1682	1676	1675	1527	1542	882
(No. of Institutions) ..	(8)	(10)	(10)	(10)	(12)	(12)	(12)	(11)	(9)	(6)

\*Selected Institutions. ¶Includes Brooklyn Annex. (a)City Hospital Tbc. Service reported first time beginning Jan. 1939. (b)Harlem Hospital Tbc. Service reported first time beginning Jan. 1937. (c)Morrisania Hospital, data shown beginning 1950, Tbc. Service closed Sept. 1, 1954. (d)Municipal San., Otisville, closed Oct. 15, 1954. (e)Nathan B. Van Etten Hospital Tbc. Service opened Nov. 1, 1954. (f)Neponsit Beach Hospital closed Jan. 8, 1955. (g)Riverside Hospital closed April 11, 1944. (h)Seton Hospital admitted to Dept. of Hospitals May 1, 1948. (i)Triboro Hospital, 1941. (j)Willard Parker Hospital closed Jan. 26, 1943, Tbc. Service opened Jan. 1, 1949. (k)House of Rest closed October 30, 1954. (l)Country Home (Hosp. Jt. Diseases) closed July 31, 1953. (m)Lenox Hill Hospital, Tbc. Dept. 1933, closed March 12, 1954. (n)Manhattan General Tbc. Dept. Feb. 21, 1949, Brooklyn Annex closed October, 1955. (o)Metropolitan Hospital, new building (East Harlem), opened Sept. 13, 1955. (p)Brooklyn Thoracic Hospital closed Sept. 16, 1955. (q)Montefiore Hosp. Westchester Division closed Dec. 31, 1955. (r)Stony Wold Sanatorium closed Nov. 30, 1955. (X)Included are patients in pulmonary wing transferred from Westchester Division.

Compiled from reports of Department of Hospitals, City of New York, and Tuberculosis Sanatorium Conference of Metropolitan New York by Statistical Division, New York Tuberculosis and Health Association.

### CHANGES IN HOSPITAL FACILITIES IN NEW YORK CITY

During 1955 the following institutions, which for many years had provided beds for the care and treatment of New York City tuberculosis patients, terminated their services.

Neponsit Beach Hospital (200 beds), closed on January 11, 1955, located on the ocean front at Rockaway Beach in Queens, had served city patients since 1915. Seton Hospital (434 beds) in the Bronx, opened in 1895 by the Sisters of Charity of Saint Vincent de Paul, was taken over by the city in April 1948 and finally closed on April 15, 1955. Willard Parker Hospital (155 beds), Manhattan, opened its Tuberculosis Service on January 1, 1949 and closed on December 8, 1955, after seventy-one years' operation in the field of contagious diseases. Brooklyn Thoracic Hospital (128 beds), a semi-private institution which for seventy-four years (1881, founded by Plymouth Church) treated diseases of the chest, with a tuberculosis division since 1938, was the first voluntary hospital in the city to close (Sept. 16) in 1955. The Westchester Division (235 beds) of Montefiore Hospital, at Bedford Hills (1897), Westchester County, a private tuberculosis hospital, closed on December 31, 1955. Manhattan General Hospital Annex (100 beds), a proprietary institution in Brooklyn, opened in 1950, was closed in October 1955. Stony Wold Sanatorium, Franklin County (143 beds, with no stated bed complement for New York City patients), a tuberculosis hospital since 1910, closed in October 1955.

The new Metropolitan Hospital, third largest and most modern of New York's municipal hospitals, was opened in East Harlem with a 315 tuberculosis bed complement. It replaced the facilities of the old Metropolitan Hospital on Welfare Island.

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Kingston Avenue Hospital (183 beds) closed TB unit on January 27, 1956.

On December 31, 1955, the Nathan B. Van Etten Hospital, Bronx, reported a tuberculosis bed complement of 260 beds which was increased by March 31, 1956 to 295. For the major part of 1955 (Jan.-Oct.) Van Etten Hospital operated as a general hospital with an organized tuberculosis service, and beginning November 1 as a TB hospital.

The Hospital Council of Greater New York, commenting on the reduction in tuberculosis beds in the two-year period beginning in 1954, points out that 2,220 beds have closed, which served exclusively or largely New York City patients with tuberculosis. (†) (Reduction in tuberculosis bed capacity in institutions located within boundaries of city and in the Municipal Sanatorium, Otisville, of Department of Hospitals: Municipal=1,517, Voluntary=149, Proprietary=100, Voluntary hospitals outside the city, which served primarily residents of the city=454.) Taking into consideration the addition of new beds, which offset some of the above mentioned large reductions, the decline in tuberculosis beds during the two-year period is nearly 25 percent.

\* \* \* \*

Further information, for the Department of Hospitals institutions, as of September 15, 1956 brings out the tuberculosis bed complement to be 3,778, patient census=3,258, occupancy=86% (Bellevue, 368 (296) 80%, Kings County TB Unit, 667 (559) 84%, Sea View, 1,452 including an additional TB ward of 32 beds opened July 1st (1,224 pt. census) 84%, Triboro, 527 (512) 97%, Van Etten, 295 (271) 92%, City, 112 (92) 82%, Harlem, 48 (20) 42%, Metropolitan, 309 (284) 92%). Kingston Avenue Hospital closed its TB Unit of 108 beds on January 27, 1956. On September 15, 1956, 112 patients were in the "Home Care" service of Triboro Hospital.

(†) The Bulletin of the Hospital Council of Greater New York, Vol. 11, No. 1, March-April, 1956.

## COST OF TUBERCULOSIS

It is most difficult if not impossible to assign the true cost of tuberculosis in terms of dollars and cents. The demands on the financial resources of an urban community are many and a legislator finds it a practical necessity to weigh requests for increases in appropriations which will provide the greatest good for the greatest number. The burden of tuberculosis can only be approximated since the disease touches the taxpayer in many ways both tangible and unseen. Therefore, even though we must limit consideration of the "cost of tuberculosis" to ascertainable expenditures, admittedly an incomplete measure at best, such information as is available and documented shows that it constitutes a formidable financial challenge to New York City. From the humanitarian standpoint there is no question that tuberculosis must be eliminated as a killing and crippling communicable disease. There is need, therefore, for an irreducible minimum of funds to be expended if tuberculosis control is to be done efficiently as well as economically.

Both public and private financing is needed on a continuous basis to meet even the basic requirements in finding and controlling tuberculosis. It has been estimated that each year about \$50 million are spent on tuberculosis in New York City alone. "Of this total the Departments of Health and Hospitals spend approximately \$33,000,000 in tax dollars each year. The balance is spent by the City Department of Welfare, patients and families, and by voluntary welfare and health agencies, notably the Tuberculosis and Health Associations."(†)

The official agencies, local, state and federal, contribute the major share for tuberculosis control. Their work is supplemented by private hospitals, sanatoria, voluntary health, welfare and nursing organizations which provide institutional care, rehabilitation, health education, research

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(†)New York Herald Tribune, December 5, 1955.

and other such services.

A recent study on medical research called to nation-wide public attention that tuberculosis is still as "ubiquitous and virulent as ever, bringing social loss and suffering probably equaled only in mental illness."(†) Translated into cost this means that in the United States approximately one-half billion dollars is expended on tuberculosis each year for hospitalization, rehabilitation, compensation, construction, research, control, etc.

The data presented below provide only part of the picture in respect to the amount of money appropriated for tuberculosis control activities and hospital care of the tuberculous by official agencies in New York City for the 1956-1957 fiscal budget.(‡) Not included are expenditures by the Department of Welfare for assistance to the tuberculosis victim and his family.

CITY OF NEW YORK:-DEPARTMENT OF HEALTH

TUBERCULOSIS CONTROL ACTIVITIES

Service	Appropriations authorized 1956-57
Personal Service .....	\$2,202,172.69
Other than Personal Service .....	437,507.52
Total Tuberculosis Control Activities .....	\$2,639,680.21

The Department of Health conducts programs for the control and prevention of tuberculosis; maintains a register of all known cases of tuberculosis in the City; operates 23 chest clinics throughout the City, providing diagnostic service, and anti-bacterial treatment in cooperation with hospitals, for ambulatory patients, consultation service for physicians and their private patients; augments case finding operations through clinic x-ray services and mass chest x-ray activities covering diverse groups, including community groups, workers in industrial organizations, government employees and schools.

Maximum personnel 1956-1957: 419 positions; 29,380 physician sessions; 3,960 clerk days; and 1,778 public health nurse sessions.

(†)FORTUNE, July 1956 (Summary of the American Foundation's study, Medical Research: A Midcentury Survey 1955).

(‡)BUDGET FOR FISCAL YEAR 1956-1957 (City of New York) as adopted by the Board of Estimate April 26, 1956, and submitted to the Council (The City Record, Vol. LXXXIV, No. 25171, May 8, 1956).

CITY OF NEW YORK:-DEPARTMENT OF HOSPITALS

TUBERCULOSIS CARE HOSPITALS\*

Service	Appropriations	
	As Modified 1955-56	Proposed 1956-57
In-Patient Service .....	\$17,710,103.20	\$18,142,065.36
Home Care Service** .....	23,283.70	23,520.00
Out-Patient Service .....	279,147.37	280,609.00
Total appropriations .....	\$18,012,534.09	\$18,446,194.36

\*Bellevue Tuberculosis Unit, Nathan B. Van Etten, Kings County Tuberculosis and Chronic Disease, Triboro, Sea View. \*\*Triboro Hospital.

CITY OF NEW YORK:-PAYMENTS TO CHARITABLE INSTITUTIONS  
Services to Medically Indigent Sick and Infirm Care,  
Maintenance and Treatment of Medically Indigent Sick  
and Infirm in Hospitals and Sanatoria

Item	Days	Rate per Diem	Authorized 1956-1957
2 Tuberculosis .....	305,646	\$ 7.50	\$2,292,345.00
3 TB (plus med. or surg. for other conditions) .....	9,800	16.00	156,800.00
3a Surgical treatment of TB patients.	3,050	16.00	48,800.00
11 The Tuberculosis Preventorium for children(Farmingdale, N.J.) ...	60,000	4.50	270,000.00

Note: The City of New York provides "payments to charitable institutions and tuberculosis sanatoria for care and/or treatment of persons requiring such services who are eligible as 'City-charge' cases, including dependent, neglected and delinquent children, indigent sick, physically handicapped persons under 21 years of age, and tuberculosis patients."

\* \* \* \*

The Citizens Budget Commission, in presenting an experimental research approach to determine a standard of performance for municipal services, brought out that the unit cost per day in tuberculosis hospitals was \$13.40, in tuberculosis units in other hospitals \$15.30 as compared to \$20.74 in general hospitals and \$8.67 in chronic disease institutions.(†)

(†)The New York Times, December 28, 1955.

## TUBERCULOSIS MORTALITY

Deaths from tuberculosis are a constant reminder of the potentially serious character of this preventable communicable disease. In 1955, tuberculosis was responsible for taking 1,084 lives in New York City as compared with 1,127 deaths in 1954. The death rates for these two years were 13.4 and 14.0 per 100,000 population.

Last year tuberculosis was the tenth leading cause of death and accounted for 1.3 percent of the deaths from all causes. On the other hand it was the leading cause of death among the infectious diseases caused by a single specific organism. The pneumonias were excluded from the comparison since the etiologic agents are various pathogenic bacteria and viruses as well as the more than thirty types of pneumococci.

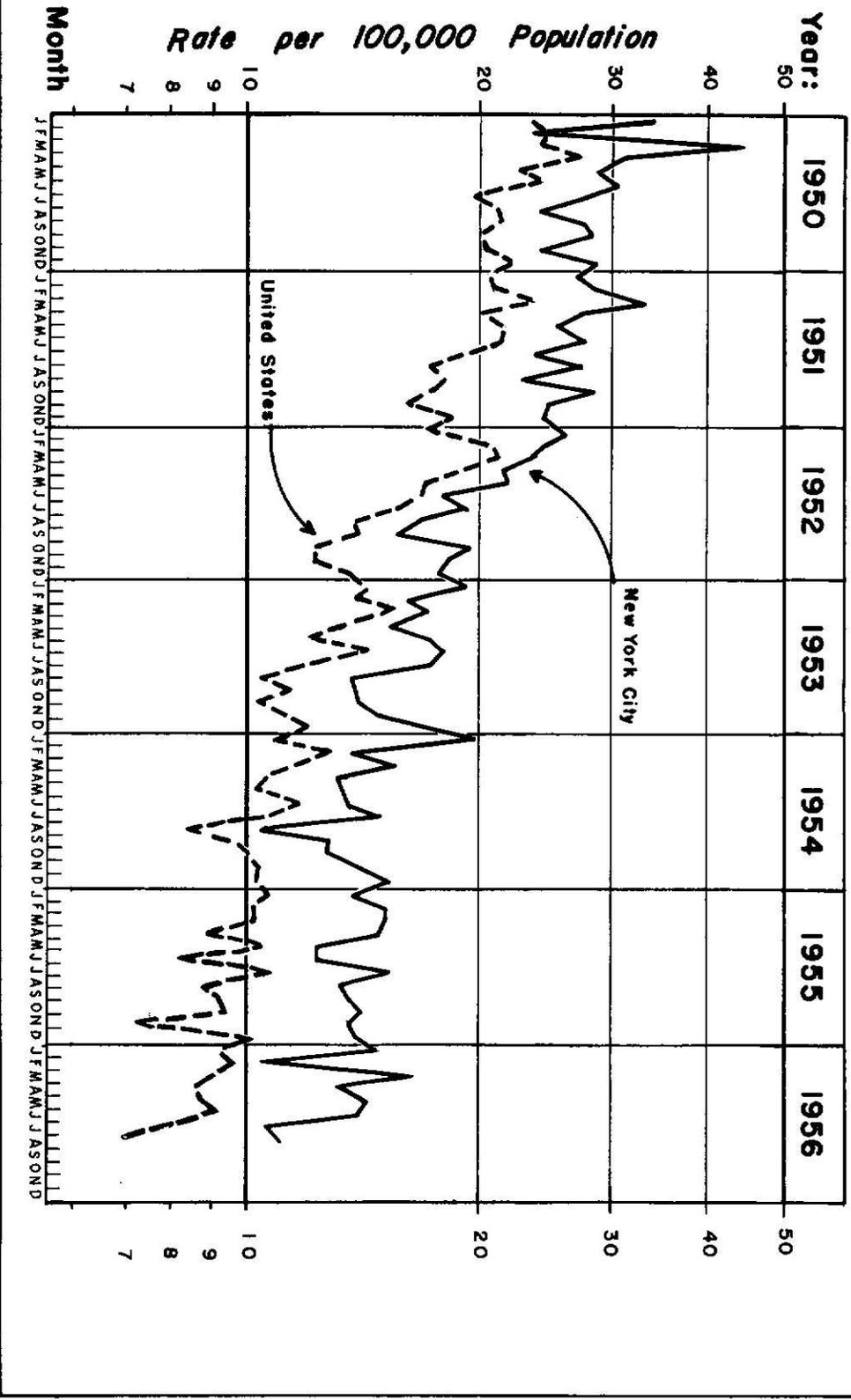
In eleven of the 30 Health Center Districts the resident tuberculosis death rate increased in 1955 and in two of the districts no change was recorded. Central Harlem once again had a rate four times that for the city.

The precipitous drop in the mortality rate since 1950 levelled off somewhat in 1954 and 1955, and preliminary data for 1956 show a further slight decrease in the rate which will probably be 13 tuberculosis deaths per 100,000 population.

Of the resident tuberculosis deaths, including those of New Yorkers who died out of town in 1955, the deaths of males were three and a half times as frequent as deaths of females, whereas during the years 1952, 1953 and 1954 the ratio was three to one. Prior to these years for almost two decades the proportion of male to female tuberculosis deaths was two to one. Significantly for the white population this difference was six males to one female last year. Sixty-five percent of the white men were fifty-five years or older. Among 850 males, the majority or 607 (71%) were white, and among 238 females, who died from tuberculosis, 107 (45%) were white.

# TUBERCULOSIS DEATH RATES BY MONTHS

## New York City and the United States, 1950-1956



Based on reports of National Office of Vital Statistics, Public Health Service and Bureau of Records and Statistics, Dept. of Health, N.Y. City  
 Compiled by Statistical Division, New York Tuberculosis and Health Association.

TUBERCULOSIS MORTALITY, NEW YORK CITY, 1954 AND 1955

Health Center DISTRICT	Population July 1, 1955	Resident Deaths in City*			Death Rate†	
		1954	1955	Change 1955/1954	1954	1955
Central Harlem .....	247,000	138	126	- 12	56	51
East Harlem .....	197,000	25	37	+ 12	12	19
Kips Bay-Yorkville .....	250,000	39	28	- 11	15	11
Lower East Side .....	291,000	86	82	- 4	29	28
Lower West Side .....	315,000	98	81	- 17	31	26
Riverside .....	281,000	47	41	- 6	16	15
Washington Heights .....	310,000	40	36	- 4	13	12
<b>MANHATTAN:</b> .....	<b>1,891,000</b>	<b>473</b>	<b>431</b>	<b>- 42</b>	<b>25</b>	<b>23</b>
Fordam-Riverdale .....	231,000	7	16	+ 9	3	7
Morrisania .....	290,000	33	44	+ 11	11	15
Mott Haven .....	225,000	39	34	- 5	17	15
Pelham Bay .....	158,000	12	6	- 6	8	4
Tremont .....	307,000	15	31	+ 16	5	10
Westchester .....	277,000	8	14	+ 6	3	5
<b>BRONX:</b> .....	<b>1,488,000</b>	<b>114</b>	<b>145</b>	<b>+ 31</b>	<b>8</b>	<b>10</b>
Bay Ridge .....	326,000	21	13	- 8	6	4
Bedford .....	303,000	53	62	+ 9	18	20
Brownsville .....	279,000	23	21	- 2	8	8
Bushwick .....	226,000	21	26	+ 5	9	12
Flatbush .....	499,000	23	33	+ 10	5	7
Fort Greene .....	214,000	38	29	- 9	18	14
Gravesend .....	302,000	23	13	- 10	8	4
Red Hook-Gowanus .....	167,000	24	40	+ 16	14	24
Sunset Park .....	227,000	34	25	- 9	15	11
Williamsburg-Greenpoint ....	203,000	32	27	- 5	16	13
<b>BROOKLYN:</b> .....	<b>2,746,000</b>	<b>292</b>	<b>289</b>	<b>- 3</b>	<b>11</b>	<b>11</b>
Astoria-Long Island City ...	277,000	28	20	- 8	10	7
Corona .....	217,000	22	13	- 9	10	6
Flushing .....	364,000	16	18	+ 2	5	5
Jamaica East .....	284,000	14	22	+ 8	5	8
Jamaica West .....	300,000	27	17	- 10	9	6
Maspeth-Forest Hills .....	271,000	20	13	- 7	7	5
<b>QUEENS:</b> .....	<b>1,713,000</b>	<b>127</b>	<b>103</b>	<b>- 24</b>	<b>8</b>	<b>6</b>
<b>RICHMOND:</b> .....	<b>204,000</b>	<b>23</b>	<b>26</b>	<b>+ 3</b>	<b>12</b>	<b>13</b>
<b>NEW YORK CITY</b> .....	<b>8,042,000</b>	<b>1,029</b>	<b>994</b>	<b>- 35</b>	<b>13</b>	<b>12</b>

Deaths recorded in city, including non-residents and persons with unknown address:  
 1954 = 1,127, 1955 = 1,084. \*Tuberculosis deaths of residents who died within  
 New York City, exclusive of residents who died out of town. †Deaths per 100,000  
 population.

Compiled from reports by courtesy, Bureau of Records and Statistics, Department  
 of Health, City of New York, by Statistical Division, New York Tuberculosis and  
 Health Association.

RESIDENT\* TUBERCULOSIS DEATHS BY RACE  
New York City, 1945-1955

Year	White	Negro	Puerto Rican	Yellow	Others	Un-known	All Races
1945 .....	2,741	966	115	79	2	41	3,944
1946 .....	2,430	794	77	64	7	70	3,442
1947 .....	2,124	835	66	46	5	112	3,188
1948 .....	2,226	923	84	61	3	135	3,432
1949 .....	1,806	804	68	46	2	123	2,849
1950 .....	1,521	628	55	35	5	89	2,333
1951 .....	1,407	589	76	35	4	60	2,171
1952 .....	1,200	524	58	36	4	51	1,873
1953 .....	802	364	29	24	3	26	1,248
1954 .....	733	293	42	19	3	23	1,113
1955 .....	714	287	38	17	1	11	1,068

\*As defined by Department of Health, City of New York. Cases removed from the roster with tuberculosis as the cause of death, including deaths of residents who died outside of New York City.

RESIDENT TUBERCULOSIS DEATHS\*, NEW YORK CITY  
(Including residents who died outside of city)  
Sex and Race, 1951-1955

Race	Male					Female				
	1951	1952	1953	1954	1955	1951	1952	1953	1954	1955
White .....	1056	951	640	568	607	351	249	162	165	107
Negro .....	349	334	234	188	176	240	190	130	105	111
Puerto Rican .....	33	28	10	21	21	43	30	19	21	17
Yellow .....	33	35	24	17	16	2	1	0	2	1
Other .....	4	4	3	3	1	0	0	0	0	0
Unknown .....	50	42	20	17	9	10	9	6	6	2
All races .....	1525	1394	931	814	830	646	479	317	299	238

Total resident TB deaths: 1951 = 2,171, 1952 = 1,873, 1953 = 1,248, 1954 = 1,113, 1955 = 1,068.

\*Cases removed from the roster with tuberculosis as the cause of death.

TUBERCULOSIS MORTALITY, NEW YORK CITY, 1940, 1945, 1950-1955

Year	Male		Female		Persons					
	Deaths *	Rate †	Deaths *	Rate †	Respiratory		Other Forms		All Forms	
					Deaths *	Rate †	Deaths *	Rate †	Deaths *	Rate †
1940 .....	2,394	65	1,233	33	3,323	45	304	4	3,627	49
1945 .....	2,448	65	1,065	27	3,211	42	302	4	3,513	46
1950 .....	1,718	45	603	15	2,154	27	167	2	2,321	29
1951 .....	1,508	39	631	15	1,978	25	161	2	2,139	27
1952 .....	1,209	31	389	9	1,460	18	138	2	1,598	20
1953 .....	965	25	329	8	1,183	15	111	1	1,294	16
1954 .....	826	21	301	7	1,048	13	79	1	1,127	14
1955 .....	840	22	244	6	1,023	12.7	61	0.7	1,084	13

\*Included are deaths occurring within New York City (residents, non-residents and persons of unknown address). †Per 100,000 population.

TUBERCULOSIS DEATHS\*, NEW YORK CITY, SINCE 1950

Year:-	1950	1951	1952	1953	1954	1955
<b>White</b>						
Male .....	1,262	1,087	855	676	607	629
Female .....	342	382	224	200	188	124
Both sexes .....	1,604	1,469	1,079	876	795	753
<b>Nonwhite</b>						
Male .....	456	421	354	289	219	211
Female .....	261	249	165	129	113	120
Both sexes .....	717	670	519	418	332	331
<b>All races</b>						
Male .....	1,718	1,508	1,209	965	826	840
Female .....	603	631	389	329	301	244
Both sexes .....	2,321	2,139	1,598	1,294	1,127	1,084

\*Included are deaths occurring within New York City (residents, non-residents and persons of unknown address).

TUBERCULOSIS DEATHS† BY AGE AND SEX, NEW YORK CITY, 1940, 1945, 1950-1955

Age:	0-4	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-55	55-60	60-65	65-70	70-75	75-80	80-85	85+	All Ages
<b>MALES, ALL RACES</b>																			
1940	31	9	14	73	106	155	218	214	260	285	301	271	194	131	80	34	15	3	2394
1945	36	5	9	42	93	128	168	196	300	318	323	281	227	159	88	54	17	4	2448
1950	29	8	0	16	49	44	87	111	175	189	255	225	197	155	101	49	19	9	1718
1951	20	4	3	10	43	47	87	107	156	131	207	198	185	135	97	50	23	5	1508
1952	32	2	0	8	21	35	58	68	97	150	195	120	143	125	79	45	22	9	1209
1953	17	3	3	3	12	22	42	58	72	121	116	107	122	128	66	45	19	9	965
1954	11	3	3	0	9	15	33	50	53	85	136	117	98	83	64	47	14	5	826
1955	19	2	0	4	6	23	20	46	55	79	117	106	131	95	74	42	13	8	840
<b>FEMALES, ALL RACES</b>																			
1940	27	8	21	92	189	180	153	129	101	68	78	44	47	40	27	19	8	2	1233
1945	27	7	8	61	149	162	146	114	103	60	55	46	35	34	17	22	14	5	1065
1950	32	2	7	20	59	66	60	70	59	57	36	29	34	19	23	20	7	3	603
1951	30	3	3	25	35	92	67	62	76	52	41	39	29	23	28	10	12	4	631
1952	20	3	3	11	42	40	41	46	30	22	25	21	19	24	18	14	6	4	389
1953	21	2	1	6	18	26	39	34	30	31	20	25	23	15	15	14	4	5	329
1954	13	1	3	6	18	35	26	36	34	28	31	13	12	21	14	3	3	4	301
1955	6	3	1	3	13	24	26	39	24	29	18	15	12	12	5	8	4	2	244
<b>BOTH SEXES, ALL RACES</b>																			
1940	58	17	35	165	295	335	371	343	361	353	379	315	241	171	107	53	23	5	3627
1945	63	12	17	103	242	290	314	310	403	378	378	327	262	193	105	76	31	9	3513
1950	61	10	7	36	108	110	147	181	234	246	291	254	231	174	124	69	26	12	2321
1951	50	7	6	35	78	139	154	169	232	183	248	237	214	158	125	60	35	9	2139
1952	52	5	3	19	63	75	99	114	127	172	220	141	162	149	97	59	28	13	1598
1953	38	5	4	9	30	48	81	92	102	152	136	132	145	143	81	59	23	14	1294
1954	24	4	6	6	27	50	59	86	87	113	167	130	110	104	78	50	17	9	1127
1955	25	5	1	7	19	47	46	85	79	108	135	121	143	107	79	50	17	10	1084

†Total tuberculosis deaths recorded in New York City (residents who died within city, non-residents, residence unknown), exclusive of city residents who died out of town.

Based on reports by courtesy of Bureau of Records and Statistics, Department of Health, City of New York. Compiled by Statistical Division, New York Tuberculosis and Health Association.

Reports of the  
TUBERCULOSIS SANATORIUM CONFERENCE OF METROPOLITAN NEW YORK(\*)  
1951-1955

On the following pages reference statistics as supplied by the individual hospitals and sanatoria of the Tuberculosis Sanatorium Conference of Metropolitan New York are presented. The Bureau of Records and Statistics, Department of Health, City of New York, was the agency responsible for collecting and preparing summaries which served as the basis for the compilations. For additional details as to condition on admission and classification of patients discharged covering the years 1950-1954 separately the 1955 edition of "Tuberculosis in New York City, 1954" (†) should be consulted.

In thirty-nine institutions for which details were available last year (1955) 23,975 persons were treated and 2,927,794 patient days care rendered, or on an average per patient of 122 days care during the year. This latter figure of "average days care during year per patient" does not represent the complete length of hospital care for discharged patients, but serves mainly as a specific index, based on figures for any one year in a given institution, and presents only the "average" experience as defined for all under care during that year.

Generally fewer persons attended hospitals in 1955 than in past years although there are exceptions in individual hospitals which have had to increase their patient load as other hospitals have terminated tuberculosis services.

(\*)The activities of the Tuberculosis Sanatorium Conference of Metropolitan New York, organized as a forum over thirty years ago by the New York Tuberculosis and Health Association, were terminated as such in 1955. The compilation of statistical reports from participating institutions in Metropolitan New York will be continued under informal arrangements by the hospitals and sanatoria, the New York City Department of Health, and the New York Tuberculosis and Health Association. Some of the functions of the Tuberculosis Sanatorium Conference of Metropolitan New York have been assumed by the New York State Trudeau Society.

(†)Published by New York Tuberculosis and Health Association in 1955.

On January 1, 1955, there were 8,617 patients in the thirty-nine institutions surveyed and on the last day of the year, due in large measure to the closing of seven hospitals and sanatoria, the number had dropped to 7,366 or by 15 percent. If the seven hospitals which closed during the year are excluded the drop in patient census for the remainder would be only two percent for the year.

Of the total admissions to the thirty-nine institutions (15,508) during 1955, 3,688 or 24 percent were readmissions, the rest (11,820) being new admissions. There is a certain amount of duplication when combined totals are used. However, this is probably minimized in the figures for individual hospitals where records are cleared and duplicates eliminated.

An analysis of condition on admission of pulmonary tuberculosis cases shows that 87 percent of new admissions were already in the moderately or far advanced stages of the disease, and for readmissions the proportion was 93 percent. These proportions have remained substantially the same during the last few years. Percentages apply to the over-all totals for all of the institutions included and may differ materially for individual hospitals or sanatoria.

Racial composition of admissions follows to some degree the general distribution of the TB population. In New York City 34 percent of the patients admitted were nonwhite (Dept. of Hosps. 37%, private instit. 24%) whereas in suburban sanatoria the proportion was 21 percent and in New Jersey institutions 22 percent.

Many hospitals which in the past treated mainly tuberculosis patients are now admitting larger numbers with other non-tuberculous conditions. The Department of Hospitals institutions, which admitted 8,980 persons to the tuberculosis services, indicated that 924 or 10 percent were "non-tuberculous". Private hospitals (TB) within the city, with 1,952 admissions, listed 924 or 12 percent in the "non-tuberculous" category. Suburban institutions, with

861 admissions last year, recorded 44 or 5 percent, and hospitals and sanatoria in New Jersey (3,573 admissions) had 942 or 26 percent non-tuberculous under their care.

Gross mortality rates (†) in hospitals for 1955 remained as high as in 1954 and 1953 although substantially better than the experience of five or six years ago. Although the over-all mortality rate has come down from 14 percent in 1951 to 10 percent in 1955 this decline has not been uniform and care should be taken in evaluating changes for individual hospitals.

Practically no gains were made in reducing the proportion of patients who were said to leave hospitals against medical advice. According to the record, in the majority of the institutions, for the five years 1951 to 1955, there has been a virtual plateau in the percentage of persons who interrupt hospitalization.

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(†)Gross mortality (death) rate = the total number of deaths in the hospital during any given period of time, divided by the total discharges (alive or dead) during that time.

REPORTS ON FIRST AND LAST DAY OF PERIOD, ADMISSIONS AND DISCHARGES DURING YEAR, 1951-1955  
 Hospitals of the Tuberculosis Sanatorium Conference of Metropolitan New York

NEW YORK HOSPITALS AND SANATORIA	Patients on First Day of Period					Admissions during Year (New Admissions and Readmissions)										Discharges during Year (Alive and Dead)					Patients Remaining Last Day of Period					
	1951	1952	1953	1954	1955	1951		1952		1953		1954		1955		1951	1952	1953	1954	1955	1951	1952	1953	1954	1955	
						Re-Adm.	Adm.	Re-Adm.	Adm.	Re-Adm.	Adm.	Re-Adm.	Adm.	Re-Adm.	Adm.											
1 Ballerwee Hosp. (Sheet Service) ..	405	441	448	549*	511	1982	994	1591	1219	1089	806	1478	755	1296	525	2810	2802	1922	2289	1985	441	449	591*	511	288	
2 City Hospital (Tbc. Service) ....	104	99	98	90	81	358	6	520	0	285	0	275	0	222	0	569	520	274	284	199	99	99	90	81	104	
3 Harlem Hospital (Tbc. Service) ..	46	56	49*	51	55	619	104	710	119	756	120	698	145	507	95	715	560	877	859	616	56	55*	51	55	45	
4 Kings County Hospital .....	168	289	518	565	544	394	38	912	85	1064	140	1557	175	1675	451	512	786	1177	1521	2085	289	518	565	544	585	
5 Kingston Avenue Hospital .....	189	199	201	164	149	196	80	222	47	211	61	189	71	195	42	276	286	509	284	542	198	201	164	149	44	
6 Metropolitan Hospital .....	544	544	544*	550*	297	448	48	564	117	592	128	587	92	400	71	572	485	504	532	487	544	542*	546*	297	281	
7 Municipal San., Orléansville .....	586	558	558	284	294	559	57	409	65	421	95	216	57	300	...	425	475	572	549	599	588	359	294	0	...	
8 Nathan B. Van Effen Hospital .....	...	...	...	...	124	...	...	...	...	...	...	...	...	...	15	...	...	...	...	...	...	...	...	...	...	...
9 Kopsatt Beach Hospital .....	154	194	180	184	42	172	21	108	52	185	59	158	65	498	15	155	152	258	310	42	...	...	...	...	...	
10 See Vies Hospital .....	1524	1442	1589	1554	1282	1589	604	1340	495	1252	528	1151	1059	1454	550	2085	1716	1985	1742	1914	1442	1489	1589	1554	1282	
11 Telford Hospital .....	441	474	474	472	416	408	87	239	94	579	98	421	135	...	7	482	397	475	612	425	474	474	472	416	...	
12 Telford Hospital .....	689	674	681	784	654	570	108	625	146	689	145	600	146	670	178	685	664	781	846	807	674	681	784	654	675	
13 Willard Parker Hospital .....	74	114	140	117	149	165	8	155	5	129	11	198	8	150	2	151	152	165	172	172	114	140	117	149	...	
Department of Hospitals .....	4535	4685	5044	4724	4084	6827	2222	7151	2419	6810	2185	7208	2128	7084	1916	8991	8221	8277	9994	9318	4685	5042	4724	4084	3728	
14 N.Y. State Hosp., Bay Brook .....	117	122	100	96*	105	...	...	...	...	...	...	...	...	...	15	89	81	82	79	99	122	100	92	105	108	
15 Stony Wold Sanatorium .....	...	...	115	98	99	...	...	...	...	...	...	...	...	...	15	...	...	107	95	199	...	...	...	99*	...	
16 Brooklyn Thoracic Hospital .....	112	120	116	119	128	115	60	158	28	192	51	182	59	105	21	167	186	220	214	250	120	116	119	128	...	
17 House of Rest .....	65	62	48	14	...	55	41	60	30	38	5	22	9	...	...	97	104	77	45	...	62	48	14	0	...	
18 Hosp. for Diseases (Tbc. Cases) ...	5	4	5	4	1	55	49	35	29	57	16	80	18	25	4	105	65	54	51	27	4	4	5	4	1	
19 Hosp. for Diseases (County Home) ..	56	48	4	...	...	49	22	38	25	11	11	...	...	...	...	79	70	65	...	...	48	4	0	...	...	
20 Lenox Hill Hosp. (Tbc. Service) ..	21	20	19	18	...	45	7	48	4	44	1	0	0	...	...	53	55	46	18	...	20	19	18	0	...	
21 Manhattan General Hospital .....	534	525	531*	510*	557	487	0	525	15	542	12	527	14	269	8	498	528	576	494	457	525	535*	509*	537	167	
22 Montefiore Hosp. (Westch. Div.) ..	229	234	235	254	252	185	59	228	50	198	58	202	56	109	95	287	254	255	240	434	254	235	234	232	...	
23 Montefiore Hosp. (Tbc. Service) ..	119	121	117	97	91	214	42	228	96	278	74	518	78	277	150	254	266	372	402	415	121	117	117	97	91	
24 New York Hospital (Tbc. Div.) ...	26	20	25*	25	28*	55	12	49	5	48	12	62	2	31	6	71	47	47	80	65	41	20	27*	25	24	
25 St. Anthony's Hospital .....	555	562	548	550	550*	465	105	417	88	415	88	561	111	542	114	557	519	519	452	481	562	549	550	550	545	
26 St. Joseph's Hospital .....	291	274	279*	286*	285*	418	45	548	50	450	75	488	66	549	55	480	392	517	535	445	274	280*	285*	276	242	
Total Private Institutions .....	1599	1590	1562	1457	1468	2147	440	2125	558	2251	581	2192	565	1505	449	2596	2504	2759	2554	2558	1590	1597	1455	1458	982	
SUBURBAN AREA - Outside City																										
27 Greystone Hosp. (Tbc. Service) ..	278	275	285	228	208	228	65	215	88	242	97	251	94	254	109	294	321	366	365	559	275	285	228	208	212	
28 Grey Oaks Hospital .....	96	94	96	25	22	26	18	20	8	9	7	11	6	5	9	46	28	27	20	56	94	96	25	22	...	
29 Summit Park Sanatorium .....	89	86	85	87	88	55	27	45	25	59	21	64	23	66	28	85	72	76	98	112	85	82	87	88	68	
30 Nassau County Sanatorium .....	275	255	272	296	276	155	58	178	49	179	55	188	44	188	44	235	208	240	250	245	255	272	286	276	285	
31 Suffolk Sanatorium .....	105	110	110	132	98	100	55	101	28	116	55	100	115	115	45	150	129	127	170	145	110	110	132	98	101	
Total Suburban Institutions .....	781	758	758	758	690	862	205	555	199	605	215	614	209	628	235	788	756	856	871	907	758	755	758	690	644	
NEW JERSEY HOSPITALS AND SANATORIA																										
32 Allenwood Sanatorium .....	106	...	...	...	...	76	29	...	...	...	...	...	...	...	...	105	...	...	...	...	106	...	...	...	...	
33 Bergen County Hosp. (Tbc. Div.) ..	170	186	154	151	161	235	78	259	85	274	101	287	119	282	115	297	355	396	376	444	186	154	151	161	114	
34 Deborah Sanatorium .....	108	118	111*	105	96	87	12	86	8	98	1	105	4	198	51	89	102	107	114	221	118	110*	105	96	108	
35 Essex Co. Hosp. for Tbc. Children ..	55	52	70	79	77	74	4	65	5	74	0	85	0	61	0	71	60	66	88	78	55	62	70	78	65	
36 Essex County Sanatorium .....	582	591	587	408	554	250	94	241	62	277	95	282	111	292	108	535	517	548	450	475	581	587	408	554	545	
37 Lakeland Sanatorium .....	141	146	155	150	155	152	75	124	57	107	87	129	70	111	60	198	186	207	196	189	148	155	150	155	115	
38 Kew-Forest Hosp. for Chest Diseases ..	99	87	101	95	81	78	25	25	21	58	51	53	32	54	12	115	115	85	94	100	87	101	95	81	71	
39 N.J. San. for Chest Diseases .....	287	249	245	211	224	211	44	202	40	225	59	185	75	157	90	283	248	294	245	268	249	245	211	224	205	
40 Pollack Hosp. for Chest Diseases ..	461	451	452	381	427	581	387	656	596	576	566	557	594	540	457	598	1051	995	905	948	451	452	381	427	585	
41 Roosevelt Hospital .....	180	208	200	199	185	245	104	236	126	299	118	265	110	574	159	329	329	370	418	381	208	200	199	185	205	
42 Ronella Hosp. for Chest Diseases ..	289	271	251	240	245	205	61	198	70	205	71	219	51	225	70	264	289	287	285	504	271	251	240	245	296	
43 Springmount Sanatorium .....	58	49	56*	50	44	45	17	17	17	15	15	15	15	21	21	71	49	49	66	80	49	49	57*	50	44	
44 Valley View Sanatorium .....	220	250	220	185	154	145	78	151	61	124	68	114	64	179	78	211	252	227	209	261	252	250	220	185	154	
NEW JERSEY TOTAL .....	2516	2420	2358	2215	2191	2560	996	2295	994	2362	996	2504	1055	2511	1062	3546	3551	3506	3579	3750	2526	2528	2212	2191	2004	
GRAND TOTAL .....	9589	9678	9935	9506	8917	12075	5878	12178	5974	12181	5801	12467	5784	11820	3698	15810	15815	16577	16950	16759	9679	9612	9538	9607	7966	

TOTAL TREATED AND PATIENT DAYS CARE RENDERED DURING YEAR, 1961-1965  
Hospitals of the Tuberculosis Sanatorium Conference of Metropolitan New York

INSTITUTION	Treated During Year					Total Patient Days Care Rendered					Average Number Days of Care per Patient				
	1961	1962	1963	1964	1965	1961	1962	1963	1964	1965	1961	1962	1963	1964	1965
<b>NEW YORK HOSPITALS AND SANATORIA</b>															
1 Bellevue Hosp. (Chest Service)...	5261	5250	2815	2680	2131	165,208	170,962	100,668	112,905	108,835	51	52	45	44	51
2 City Hospital (Tho. Service)...	468	619	564	585	505	59,228	57,779	55,494	55,864	54,084	84	61	98	97	112
3 Harlem Hospital (Tho. Service)...	769	985	928	914	657	19,027	21,972	18,705	15,705	15,789	25	25	21	20	24
4 Kings County Hospital (Tho. Service)...	601	1294	1742	2065	2848	62,518	161,464	208,446	202,281	206,285	104	128	117	99	78
5 Kings County Hospital (Chest Service)...	474	467	475	433	386	72,586	71,486	64,864	57,460	49,514	153	153	137	133	128
6 Metropolitan Hospital (Tho. Service)...	518	825	860	629	768	132,647	135,647	130,632	114,228	98,117	145	162	154	138	128
7 Municipal San., Orlinville	798	982	996	649	500	140,557	141,086	135,615	75,234	...	179	170	157	137	...
8 Nathan B. Van Etten Hospital	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9 Kaposit Beach Hospital	547	532	422	532	42	68,851	69,907	70,281	59,889	58,224	188	210	167	170	...
10 Sea View Hospital	527	575	539	504	328	85,247	86,136	84,729	468,969	507,824	159	172	163	166	...
11 Seton Hospital	965	967	947	1028	425	155,080	158,115	146,816	150,498	24,461	160	177	157	146	...
12 Triboro Hospital	1357	1345	1515	1480	1332	225,286	221,497	285,564	205,645	151,574	167	165	175	139	144
15 Willard Parker Hospital	244	272	280	321	301	57,515	47,085	47,085	49,695	46,456	154	173	158	152	154
<b>Department of Hospitals</b>	<b>15675</b>	<b>14235</b>	<b>14056</b>	<b>14056</b>	<b>12994</b>	<b>1276,085</b>	<b>1795,628</b>	<b>1795,407</b>	<b>1654,410</b>	<b>1368,810</b>	<b>125</b>	<b>126</b>	<b>126</b>	<b>116</b>	<b>106</b>
14 R.I. State Hosp., Ray Brook	211	181	194	194	207	44,665	41,145	56,602	56,571	54,982	212	227	199	182	169
15 Stony Wold Sanatorium	...	...	208	192	159	...	...	59,986	57,109	21,462	...	...	194	195	...
16 Brooklyn Thoracic Hospital	287	504	539	540	250	42,289	42,952	45,065	45,994	28,967	147	141	135	135	...
17 Home of Rest	159	182	91	45	...	22,961	19,656	12,524	5,952	...	144	129	186	66	...
18 Hosp. for Diseases (Tho. Cases)	109	68	68	82	28	4,328	2,898	2,839	1,860	987	440	42	49	86	53
19 Hosp. for Diseases (Country Cases)	127	111	63	...	...	18,802	17,534	9,181	...	...	148	158	150	...	...
20 Lenox Hill Hosp. (Tho. Service)	75	72	64	81	...	7,428	7,184	7,560	1,068	...	102	100	115	59	...
21 Manhattan General Hospital	821	961	985	961	634	121,458	121,287	118,468	125,539	104,144	149	141	134	145	184
22 Montefiore Hosp. (Westch. Div.)	471	497	489	472	454	85,444	85,506	85,594	85,411	72,141	181	178	175	181	166
23 Montefiore Hosp. (Tho. Div.)	575	405	468	485	518	42,351	43,267	38,836	34,765	54,282	118	107	106	71	67
24 New York Hospital (Tho. Div.)	91	74	68	69	65	8,780	9,127	8,982	8,504	6,229	96	86	125	106	98
26 St. Joseph's Hospital	919	967	948	920	808	150,718	150,601	124,098	121,549	120,219	142	151	146	151	144
28 St. Joseph's Hospital	784	672	802	880	685	105,982	106,126	106,876	102,114	96,454	139	156	152	125	149
<b>Total Private Institutions</b>	<b>4186</b>	<b>4071</b>	<b>4194</b>	<b>3982</b>	<b>3420</b>	<b>689,497</b>	<b>686,001</b>	<b>656,250</b>	<b>629,346</b>	<b>467,285</b>	<b>141</b>	<b>144</b>	<b>132</b>	<b>132</b>	<b>137</b>
<b>SUBURBAN AREA - Orange City</b>															
27 Grasslands Hospital (Tho. Service)	869	576	534	575	571	101,642	100,967	82,687	84,089	72,697	179	175	156	147	127
28 Gray Oaks Hospital	80	62	52	42	36	13,598	12,567	11,555	8,776	8,532	167	205	222	209	231
29 Summit Park Sanatorium	171	154	165	174	180	50,968	51,208	50,820	50,882	28,789	181	205	190	177	165
30 Nassau County Sanatorium	496	480	508	506	508	94,836	96,048	100,428	101,458	102,159	195	204	196	201	207
31 Suffolk Sanatorium	240	259	259	286	286	41,944	40,178	45,065	41,101	34,951	174	169	174	155	137
<b>Total Suburban Institutions</b>	<b>1546</b>	<b>1511</b>	<b>1574</b>	<b>1561</b>	<b>1561</b>	<b>282,688</b>	<b>282,849</b>	<b>280,595</b>	<b>286,296</b>	<b>247,828</b>	<b>195</b>	<b>197</b>	<b>178</b>	<b>171</b>	<b>160</b>
<b>NEW JERSEY HOSPITALS AND SANATORIA</b>															
32 Allwood Sanatorium	211	...	...	...	...	58,980	...	...	...	...	185	...	...	...	...
33 Bergen County Hosp. (Tho. Div.)	495	507	528	537	556	69,945	67,104	64,528	57,871	46,600	145	132	103	108	84
34 Deborah Sanatorium	207	212	210	212	327	40,280	41,515	41,524	56,572	47,287	194	186	197	178	146
35 Essex Co. Hosp. for Tho. Children	185	130	144	135	138	20,513	24,988	29,622	29,077	24,667	133	182	208	215	179
36 Lakeland Sanatorium	716	704	767	804	752	144,224	145,594	146,446	146,272	135,507	201	207	182	182	180
37 Lakeland Sanatorium	546	529	538	504	504	58,010	52,598	49,555	49,008	46,008	153	160	146	152	151
38 Hancock Hosp. for Chest Diseases	202	186	190	181	147	35,547	35,545	34,417	32,442	27,434	178	180	181	179	187
39 E.J. San. for Chest Diseases	512	481	505	469	471	88,869	93,191	85,588	80,004	84,514	182	180	170	171	179
40 Pollak Hosp. for Chest Diseases	1429	1465	1574	1332	1304	167,057	172,454	150,187	140,446	140,651	117	116	109	111	108
41 Roosevelt Hospital	537	570	617	574	708	75,832	76,228	72,678	71,987	74,990	141	154	118	125	106
42 Hummel Hosp. for Chest Diseases	655	539	527	510	540	100,665	97,632	89,009	88,588	86,617	168	161	169	174	160
43 Shough Mountain Sanatorium	120	106	116	124	106	20,165	19,885	18,770	18,487	15,823	168	188	162	149	150
44 Valley View Sanatorium	441	472	412	365	411	61,010	64,509	78,050	63,385	57,551	164	179	189	175	140
<b>NEW JERSEY TOTAL</b>	<b>5872</b>	<b>5709</b>	<b>5718</b>	<b>5670</b>	<b>5764</b>	<b>940,385</b>	<b>910,662</b>	<b>848,960</b>	<b>822,328</b>	<b>787,529</b>	<b>160</b>	<b>160</b>	<b>148</b>	<b>148</b>	<b>137</b>
<b>GRAND TOTAL</b>	<b>26498</b>	<b>25725</b>	<b>25915</b>	<b>25657</b>	<b>23875</b>	<b>5533,178</b>	<b>5614,561</b>	<b>5624,808</b>	<b>5343,850</b>	<b>4827,794</b>	<b>139</b>	<b>141</b>	<b>136</b>	<b>131</b>	<b>122</b>

Hospitals and Sanatoria reporting to Tuberculosis Sanatorium Conference of Metropolitan New York.  
Compiled from reports, Bureau of Records and Statistics, Department of Health, City of New York, by Statistical Division, New York  
Tuberculosis and Health Association.

CONDITION ON ADMISSION  
Tuberculosis Sanatorium Conference of Metropolitan New York, 1955

Name	INSTITUTION*	Pulmonary Tuberculosis						Other Types †	TOTAL ADMISSIONS		
		Minimal		Moderately Advanced		Far Advanced			New Admissions and Readmissions		
		New Adm.	Re-Adm.	New Adm.	Re-Adm.	New Adm.	Re-Adm.		White	Non-White	All Races
<b>NEW YORK: HOSPITALS AND SANATORIA</b>											
1	Bellevue Hosp. (Chest Service) ...	58	23	186	88	385	186	894	1,368	452	1,820
2	City Hospital (Tbc. Service) .....	125	0	64	0	33	0	0	132	90	222
3	Harlem Hospital (Tbc. Service) ...	19	0	129	23	300	71	60	31	571	602
4	Kings County Hospital .....	169	35	445	91	346	206	842	1,344	760	2,104
5	Kingston Avenue Hospital .....	18	4	28	3	74	34	76	149	88	237
6	Metropolitan Hospital .....	29	2	129	29	168	36	78	299	172	471
7	Nathan B. Van Etten Hospital .....	166	4	187	7	128	4	17	341	172	513
8	Neponsit Beach Hospital(a) .....	...	...	...	...	...	...	...	...	...	...
9	Sea View Hospital .....	110	25	348	142	748	354	277	1,301	703	2,004
10	Seton Hospital(b) .....	0	3	0	1	0	3	0	3	4	7
11	Triboro Hospital .....	52	4	248	33	304	131	76	627	221	848
12	Willard Parker Hospital(c) .....	4	0	48	1	24	1	74	75	77	152
	Department of Hospitals .....	750	100	1,782	418	2,510	1,026	2,394	5,670	3,310	8,980
13	N.Y. State Hosp., Ray Brook .....	12	1	40	7	31	5	6	90	12	102
14	Stony Wold Sanatorium(d) .....	3	1	8	5	15	6	2	34	6	40
15	Brooklyn Thoracic Hospital(e) ....	9	2	24	7	54	9	19	90	34	124
16	Hosp. Jt. Diseases (Tbc. Cases) ..	0	0	4	0	1	0	22	16	11	27
17	Manhattan General Hospital .....	4	0	200	6	64	2	1	152	125	277
18	Montefiore Hosp. (Westch. Div.)(f) ..	27	17	67	58	15	18	0	152	50	202
19	Montefiore Hosp. (Tbc. Service) ..	26	5	107	58	56	44	131	369	58	427
20	New York Hospital (Tbc. Div.) ....	1	5	20	0	7	0	4	32	5	37
21	St. Anthony's Hospital .....	22	8	135	38	148	52	53	333	123	456
22	St. Joseph's Hospital .....	23	3	98	7	194	33	44	334	68	402
	Total Private Institutions .....	112	40	655	174	539	158	274	1,478	474	1,952
<b>SUBURBAN AREA - Outside City</b>											
23	Grasslands Hosp. (Tbc. Service) ..	23	11	57	29	78	54	111	255	108	363
24	Gray Oaks Hospital(g) .....	0	0	1	0	4	9	0	13	1	14
25	Summit Park Sanatorium .....	16	1	23	12	16	13	11	89	3	92
26	Nassau County Sanatorium .....	18	1	74	18	56	23	42	193	39	232
27	Suffolk Sanatorium .....	22	5	29	9	42	31	22	132	28	160
	Total Suburban Institutions .....	79	18	184	68	196	130	186	682	179	861
<b>SPECIAL INSTITUTIONS</b>											
28	Altro Work Shops .....	18	2	42	7	21	5	4	68	31	99
<b>NEW JERSEY: HOSPITALS AND SANATORIA</b>											
29	Bergen County Hosp. (Tbc. Div.) ..	11	4	61	36	39	29	217	371	26	397
30	Deborah Sanatorium .....	31	3	46	10	38	9	92	221	8	229
31	Essex Co. Hosp. for Tbc. Children.	0	0	2	0	1	0	58	13	48	61
32	Essex County Sanatorium .....	4	0	16	6	197	96	79	177	221	398
33	Lakeland Sanatorium .....	13	4	33	26	53	28	14	115	56	171
34	Newcomb Hosp. for Chest Diseases ..	4	2	8	4	31	3	14	41	25	66
35	N.J. San. for Chest Diseases .....	24	4	70	33	44	49	23	176	71	247
36	Pollak Hosp. for Chest Diseases ..	14	7	129	62	136	167	362	740	137	877
37	Roosevelt Hospital .....	10	4	33	26	43	45	352	441	72	513
38	Runnells Hosp. for Chest Diseases.	14	1	26	14	63	41	136	230	65	295
39	Shongum Mountain Sanatorium .....	9	1	15	4	10	15	8	52	10	62
40	Valley View Sanatorium .....	4	2	38	24	46	40	103	215	42	257
	NEW JERSEY TOTAL .....	138	32	477	245	701	522	1,458	2,792	781	3,573
	<b>GRAND TOTAL</b> .....	1,112	194	3,188	924	4,013	1,852	4,324	10,814	4,793	15,607

\*Members reporting to Tuberculosis Sanatorium Conference of Metropolitan New York. Preventoria not included in above data.

Closed: (a)Jan. 11, 1955, (b)April 15, 1955, (c)Dec. 31, 1955, (d)Nov. 30, 1955, (e)Sept. 16, 1955, (f)Dec. 31, 1955, (g)Dec. 31, 1955.

†Including: New York State Hosp., Ray Brook, Stony Wold Sanatorium, Altro Work Shops.

(†)CONDITION ON ADMISSION (Other Types)

Condition on Admission	Dept. of Hospitals (12)	Private Institutions (8)	Suburban Area Outside City (5)	N.J. Hosps. and Sana. (12)	Total All 4 Institutions (40)
Primary (childhood type) ...	428	4	28	88	548
Miliary and/or TB meningitis	61	1	7	22	93
Other non-pulmonary .....	133	30	26	115	304
Pleurisy with effusion .....	42	12	5	26	87
Non-tuberculous .....	924	227	44	942	2,137
Undiagnosed .....	498	0	84	265	847
Total .....	2,086	274	194	1,458	4,016

Compiled from reports, Bureau of Records and Statistics, Department of Health, City of New York, by Statistical Division, New York Tuberculosis and Health Association.

CLASSIFICATION OF PATIENTS DISCHARGED  
Tuberculosis Sanatorium Conference of Metropolitan New York, 1955

Line	Classification of Patients Discharged									TOTAL
	Tuberculous				Non-Tuberculous	Not Stated	Died from			
	Active	Arrested	Inactive	Other Tbc.			Tbc.	Other Causes		
<b>NEW YORK: HOSPITALS AND SANATORIA</b>										
1	Bellevue Hosp. (Chest Service)	1,163	25	138	144	238	4	83	48	1,843
2	City Hospital (Tbc. Service)	112	56	16	0	1	1	13	0	199
3	Harlem Hospital (Tbc. Service)	401	14	60	0	67	11	61	0	614
4	Kings County Hospital	361	282	258	399	568	12	133	52	2,065
5	Kingston Avenue Hospital	202	91	27	1	7	0	13	1	342
6	Metropolitan Hospital	249	36	130	20	4	3	43	2	487
7	Nathan B. Van Etten Hospital	93	127	77	4	37	2	26	13	379
8	Neponsit Beach Hospital	38	4	0	0	0	0	0	0	42
9	Sea View Hospital	380	433	749	31	24	1	191	5	1,814
10	Seton Hospital	248	85	49	36	0	1	4	0	423
11	Triboro Hospital	325	227	69	11	64	0	64	47	807
12	Willard Parker Hospital	174	112	11	0	1	0	2	1	301
	Department of Hospitals	3,746	1,492	1,584	646	1,011	35	633	169	9,316
13	N.Y. State Hosp., Ray Brook	21	18	52	3	1	0	2	2	99
14	Stony Wold Sanatorium	74	7	56	1	0	0	0	1	139
15	Brooklyn Thoracic Hospital	179	36	6	0	19	0	8	2	250
16	Hosp. Jt. Dis. (Tbc. Cases)	3	0	0	24	0	0	0	0	27
17	Manhattan General Hospital	187	184	58	2	3	2	19	12	467
18	Montefiore Hosp. (Westch. Div.)	134	267	0	33	0	0	0	0	434
19	Montefiore Hosp. (Tbc. Service)	197	29	42	0	97	0	6	44	415
20	New York Hospital (Tbc. Div.)	19	15	1	2	1	1	1	1	41
21	St. Anthony's Hospital	91	172	53	52	39	0	41	13	461
22	St. Joseph's Hospital	139	97	56	85	20	0	34	12	443
	Total Private Institutions	949	800	216	198	179	3	109	84	2,538
<b>SUBURBAN AREA - Outside City</b>										
23	Grasslands Hosp. (Tbc. Service)	70	65	131	3	14	37	23	16	359
24	Gray Oaks Hospital	17	6	8	2	0	0	3	0	36
25	Summit Park Sanatorium	27	48	18	2	9	0	8	0	112
26	Nassau County Sanatorium	142	49	12	0	15	0	21	6	245
27	Suffolk Sanatorium	63	37	10	3	21	0	20	1	155
	Total Suburban Institutions	319	205	179	10	59	37	75	23	907
<b>SPECIAL INSTITUTIONS</b>										
28	Altro Work Shops	6	51	14	0	2	1	0	1	75
<b>NEW JERSEY: HOSPITALS AND SANATORIA</b>										
29	Bergen County Hosp. (Tbc. Div.)	38	141	14	53	103	2	27	66	444
30	Deborah Sanatorium	22	13	64	38	39	11	20	14	221
31	Essex Co. Hosp. for Tbc. Children	0	49	0	21	0	0	3	0	73
32	Essex County Sanatorium	213	129	2	2	4	11	29	19	409
33	Lakeland Sanatorium	56	29	43	13	6	1	40	1	189
34	Newcomb Hosp. for Chest Dis.	24	24	5	3	7	1	11	1	76
35	N.J. San. for Chest Diseases	72	35	118	6	24	0	13	0	268
36	Pollak Hosp. for Chest Dis.	242	115	175	1	272	0	79	65	949
37	Roosevelt Hospital	61	53	54	0	195	1	16	121	501
38	Runnells Hosp. for Chest Dis.	85	37	5	25	52	0	39	61	304
39	Shongnum Mountain Sanatorium	19	2	28	1	6	0	7	2	65
40	Valley View Sanatorium	65	71	29	3	64	5	11	13	261
	NEW JERSEY TOTAL	897	698	537	166	772	32	295	363	3,760
	GRAND TOTAL	6,012	3,271	2,638	1,024	2,024	108	1,114	643	16,834

\*Members reporting to Tuberculosis Sanatorium Conference of Metropolitan New York. Preventoria not included in above data. †Including Altro Work Shop discharges. Compiled from reports, Bureau of Records and Statistics, Department of Health, City of New York, by Statistical Division, New York Tuberculosis and Health Association.

PATIENTS DISCHARGED ALIVE OR WHO DIED DURING 1951-1955\*  
Hospitals\*\* of the Tuberculosis Sanatorium Conference of Metropolitan New York

Line	INSTITUTION**	Discharged Alive					Died in Institutions									
		1951	1952	1953	1954	1955	Number					Proportion†				
							1951	1952	1953	1954	1955	1951	1952	1953	1954	1955
<b>NEW YORK: HOSPITALS AND SANATORIA</b>																
1	Bellevue Hosp. (Chest Service)..	2570	2596	1789	2115	1712	240	206	155	156	151	9%	7%	7%	7%	
2	City Hospital (Tbc. Service) ...	515	479	255	266	196	56	41	21	18	15	15%	8%	8%	6%	
3	Harlem Hospital (Tbc. Service)..	656	772	796	787	555	77	78	81	72	61	11%	9%	9%	10%	
4	Kings County Hospital .....	288	681	1090	1595	1880	24	85	87	126	185	8%	12%	7%	8%	
5	Kingston Avenue Hospital .....	231	253	279	268	528	45	55	50	16	14	17%	12%	10%	6%	
6	Metropolitan Hospital .....	450	412	448	479	442	142	71	56	55	45	25%	15%	11%	10%	
7	Municipal San., Otisville .....	417	465	567	545	...	8	8	5	4	...	2%	2%	0.9%	0.7%	
8	Nathan B. Van Etten Hospital ...	...	...	...	15	540	...	...	...	1	59	...	...	...	7%	
9	Neponset Beach Hospital .....	127	139	226	302	42	26	15	12	8	...	17%	9%	5%	5%	
10	Sea View Hospital .....	1707	1402	1795	1579	1618	578	514	192	163	196	18%	18%	10%	9%	
11	Seton Hospital .....	404	358	442	575	419	78	59	33	37	4	16%	10%	7%	6%	
12	Triboro Hospital .....	520	581	698	722	696	145	85	85	124	111	22%	15%	11%	15%	
13	Willard Parker Hospital .....	114	125	158	169	298	17	7	5	5	3	15%	5%	5%	2%	
	Department of Hospitals .....	7757	8245	8537	9213	8514	1254	978	740	781	802	14%	11%	8%	8%	
14	N.Y. State Hosp., Ray Brook ....	86	79	86	77	95	3	2	6	2	4	5%	2%	7%	5%	
15	Stony Wold Sanatorium .....	...	...	107	92	158	...	...	0	1	1	...	...	0%	1%	
16	Brooklyn Thoracic Hospital .....	146	176	212	196	240	21	12	8	16	10	15%	6%	4%	7%	
17	House of Rest .....	97	102	75	44	...	0	2	2	1	...	0%	2%	5%	2%	
18	Hosp. Jt. Diseases (Tbc. Cases)..	105	62	52	51	27	0	1	2	0	0	0%	2%	4%	0%	
19	Hosp. Jt. Dis. (Country Home) ..	78	70	65	...	...	1	0	0	...	...	1%	0%	0%	...	
20	Lenox Hill Hosp. (Tbc. Service) .	52	51	45	18	...	1	2	1	...	...	2%	4%	2%	...	
21	Manhattan General Hospital .....	440	507	550	467	456	58	21	26	27	51	11%	4%	5%	5%	
22	Montefiore Hosp. (Westch. Div.)..	237	254	254	259	454	0	0	1	1	0	0%	0%	0.4%	0.4%	
23	Montefiore Hosp. (Tbc. Service)..	257	267	359	570	585	17	19	35	52	50	7%	7%	9%	8%	
24	New York Hospital (Tbc. Div.) ..	68	46	60	62	59	5	1	0	1	2	7%	2%	0%	2%	
25	St. Anthony's Hospital .....	441	465	475	417	407	116	56	44	35	54	21%	11%	8%	8%	
26	St. Joseph's Hospital .....	442	574	495	526	597	59	18	22	27	46	8%	5%	4%	5%	
	Total Private Institutions .....	2541	2572	2620	2594	2546	255	152	159	140	195	10%	5%	5%	6%	
<b>SUBURBAN AREA - Outside City</b>																
27	Grasslands Hosp. (Tbc. Service) .	248	297	331	350	320	46	24	55	55	59	16%	6%	10%	10%	
28	Gray Oaks Hospital .....	56	26	27	16	35	11	1	0	4	3	24%	4%	0%	20%	
29	Summit Park Sanatorium .....	80	65	71	82	104	5	9	5	4	8	6%	15%	7%	5%	
30	Nassau County Sanatorium .....	185	172	218	205	218	50	36	22	27	27	22%	17%	9%	12%	
31	Suffolk Sanatorium .....	104	115	109	152	154	26	16	18	16	21	20%	12%	14%	11%	
	Total Suburban Institutions .....	650	670	756	785	809	156	86	80	86	98	18%	11%	16%	10%	
<b>NEW JERSEY: HOSPITALS AND SANATORIA</b>																
32	Allenwood Sanatorium .....	84	...	...	...	...	21	...	...	...	...	20%	...	...	...	
33	Bergen County Hosp. (Tbc. Div.)..	255	296	350	291	351	62	55	68	85	93	21%	16%	17%	25%	
34	Deborah Sanatorium .....	82	90	96	106	187	7	12	9	8	34	8%	12%	8%	7%	
35	Essex Co. Hosp. for Tbc. Children.	65	54	58	55	70	8	6	8	5	3	11%	10%	12%	5%	
36	Essex County Sanatorium .....	259	256	319	402	561	96	81	50	48	48	29%	26%	9%	11%	
37	Lakeland Sanatorium .....	140	167	181	170	146	58	29	26	26	41	29%	15%	15%	22%	
38	Newcomb Hosp. for Chest Diseases.	90	67	79	75	64	25	18	15	25	12	22%	21%	16%	25%	
39	N.J. San. for Chest Diseases ....	250	252	277	254	255	15	16	17	11	13	5%	6%	6%	4%	
40	Pollak Hosp. for Chest Diseases..	821	852	860	771	805	177	179	155	154	144	19%	17%	15%	15%	
41	Roosevelt Hospital .....	256	289	318	289	364	75	61	100	92	157	22%	22%	24%	24%	
42	Runnells Hosp. for Chest Diseases	206	252	228	207	204	58	56	59	58	100	22%	19%	21%	22%	
43	Shonghum Mountain Sanatorium ...	59	42	58	75	56	12	7	8	5	9	17%	14%	12%	6%	
44	Valley View Sanatorium .....	173	225	200	180	257	38	29	27	29	24	18%	12%	12%	14%	
	NEW JERSEY TOTAL .....	2696	2782	3008	2655	3102	648	569	500	524	658	19%	17%	14%	16%	
	GRAND TOTAL .....	15552	14148	15112	15414	15005	2278	1767	1465	1556	1756	14%	11%	9%	10%	

\*For total number of discharges, alive and dead, see table of patients leaving against advice. \*\*Hospitals and Sanatoria reporting to Tuberculosis Sanatorium Conference of Metropolitan New York. †Proportion of all discharges, alive and dead.

Compiled from reports by courtesy of Departments of Hospitals and Health, City of New York, by Statistical Division, New York Tuberculosis and Health Association.

PATIENTS LEAVING AGAINST MEDICAL ADVICE, 1951-1955  
Hospitals\* of the Tuberculosis Sanatorium Conference of Metropolitan New York

Line	INSTITUTION*	Total Discharges Alive or Dead					Leaving against Advice									
							Number					Proportion†				
		1951	1952	1953	1954	1955	1951	1952	1953	1954	1955	1951	1952	1953	1954	1955
<b>NEW YORK: HOSPITALS AND SANATORIA</b>																
1	Belleuve Hosp. (Chest Service) ..	2810	2802	1922	2269	1845	409	548	780†	245	263	18%	20%	41%	11%	14%
2	City Hospital (Tbc. Service) ....	369	520	274	284	199	90	185	90	114	110	24%	36%	33%	40%	53%
3	Harlem Hospital (Tbc. Service) ..	715	850	877	859	614	108	111	117	119	88	15%	13%	13%	14%	14%
4	Kings County Hospital .....	312	766	1177	1521	2085	100	258	547	548	595	32%	31%	29%	23%	19%
5	Kingston Avenue Hospital .....	276	286	509	284	542	85	112	97	85	115	30%	42%	31%	30%	34%
6	Metropolitan Hospital .....	572	485	504	532	487	147	229	254	219	215	26%	47%	50%	41%	44%
7	Municipal San., Otisville .....	425	473	572	549	...	147	121	148	278	...	35%	28%	28%	(a)	...
8	Nathan B. Van Etten Hospital ....	...	...	...	14	379	...	...	...	9	71	...	...	...	(b)	19%
9	Neponsit Beach Hospital .....	153	152	258	510	42	57	66	89	127	9	37%	43%	57%	41%	(c)
10	Sea View Hospital .....	2085	1716	1996	1742	1814	897	811	806	521	791	43%	47%	41%	30%	44%
11	Seton Hospital .....	482	597	475	612	425	154	111	179	204	60	32%	28%	38%	33%	(d)
12	Triboro Hospital .....	665	664	791	848	807	154	240	264	278	190	23%	36%	34%	33%	24%
13	Willard Parker Hospital .....	151	152	163	172	301	43	23	39	60	90	33%	17%	24%	35%	(e)
	Department of Hospitals .....	8991	9221	9277	9994	9316	2587	2795	5210	2806	2595	27%	30%	38%	28%	26%
14	N.Y. State Hosp., Ray Brook .....	89	81	92	79	99	4	4	9	15	18	4%	5%	10%	16%	18%
15	Stony Wold Sanatorium .....	...	...	107	95	189	...	...	27	23	21	...	...	25%	25%	(f)
16	Brooklyn Thoracic Hospital .....	187	188	220	214	250	12	25	87	49	74	7%	13%	30%	23%	(g)
17	House of Rest .....	97	104	77	45	...	6	6	2	2	...	6%	6%	3%	(h)	...
18	Hosp. Jt. Diseases (Tbc. Cases) ..	105	65	54	51	27	0	0	0	0	0	0%	0%	0%	0%	0%
19	Hosp. Jt. Diseases (Country Home) ..	79	70	85	...	...	0	0	0	...	...	0%	0%	(i)	...	...
20	Lenox Hill Hosp. (Tbc. Service) ..	53	55	46	19	...	5	8	7	...	...	9%	15%	15%	(j)	...
21	Manhattan General Hospital .....	496	528	578	494	467	248	64	89	144	151	50%	12%	15%	29%	28%
22	Montefiore Hosp. (Westch. Div.) ..	257	254	255	240	454	15	12	16	25	85	6%	5%	6%	10%	(k)
23	Montefiore Hosp. (Tbc. Service) ..	254	286	372	402	415	17	5	10	46	11	7%	2%	3%	11%	3%
24	New York Hospital (Tbc. Div.) ...	71	47	60	65	41	5	1	5	0	0	4%	2%	5%	0%	0%
25	St. Anthony's Hospital .....	557	519	519	452	461	197	172	152	150	151	34%	33%	29%	33%	28%
26	St. Joseph's Hospital .....	480	392	517	555	443	50	37	55	76	165	6%	9%	7%	14%	37%
	Total Private Institutions .....	2596	2504	2759	2534	2538	521	530	581	482	595	20%	15%	14%	19%	23%
<b>SUBURBAN AREA - Outside City</b>																
27	Grasslands Hosp. (Tbc. Service) ..	294	521	566	565	559	48	60	71	65	60	16%	19%	19%	18%	17%
28	Gray Oaks Hospital .....	46	26	27	20	36	5	3	4	6	5	11%	12%	15%	30%	(l)
29	Summit Park Sanatorium .....	85	72	76	66	112	5	4	3	9	4	6%	6%	4%	10%	4%
30	Nassau County Sanatorium .....	233	208	240	230	245	29	17	30	27	28	12%	8%	13%	12%	11%
31	Suffolk Sanatorium .....	150	129	127	170	155	21	9	13	30	33	16%	7%	10%	16%	21%
	Total Suburban Institutions .....	788	756	856	871	907	108	95	121	137	128	14%	12%	14%	16%	14%
<b>NEW JERSEY: HOSPITALS AND SANATORIA</b>																
32	Allenwood Sanatorium .....	106	...	...	...	...	7	...	...	...	...	7%	...	...	...	...
33	Bergen County Hosp. (Tbc. Div.) ..	297	553	598	376	444	25	46	49	54	49	8%	13%	12%	9%	11%
34	Deborah Sanatorium .....	89	102	107	114	221	10	20	15	14	27	11%	20%	14%	12%	12%
35	Essex Co. Hosp. for Tbc. Children ..	71	60	66	58	73	12	6	15	6	21	17%	10%	23%	10%	29%
36	Essex County Sanatorium .....	355	317	549	450	409	114	115	149	172	186	34%	36%	43%	38%	45%
37	Lakeland Sanatorium .....	198	196	207	196	189	69	69	81	77	63	35%	35%	39%	39%	33%
38	Newcomb Hosp. for Chest Diseases ..	115	85	94	100	76	21	21	24	29	14	18%	25%	26%	29%	18%
39	N.J. San. for Chest Diseases .....	263	248	294	245	268	65	51	91	65	64	25%	21%	31%	27%	24%
40	Pollak Hosp. for Chest Diseases ..	998	1051	993	905	949	189	212	251	254	224	19%	21%	25%	28%	24%
41	Roosevelt Hospital .....	329	370	418	381	301	55	65	69	46	38	17%	18%	17%	12%	6%
42	Runnells Hosp. for Chest Diseases ..	264	288	287	265	304	37	45	40	62	45	14%	15%	14%	25%	14%
43	Shonghum Mountain Sanatorium ....	71	49	66	80	66	14	17	21	29	9	20%	35%	32%	36%	14%
44	Valley View Sanatorium .....	211	252	227	209	261	60	82	66	61	68	28%	33%	29%	29%	26%
	NEW JERSEY TOTAL .....	5346	5351	5506	5379	5760	678	747	871	849	806	20%	22%	25%	25%	21%
	GRAND TOTAL † .....	15810	15913	16577	16950	16759	5698	5987	4619	4119	5899	23%	25%	28%	24%	23%

\*Hospitals and Sanatoria reporting to Tuberculosis Sanatorium Conference of Metropolitan New York.  
†Included were patients out on "passes" who were counted as discharges and then readmitted.  
‡Proportion of all discharges alive and dead. Totals exclude special institutions (Altro Work Shops and Preventorium).  
(a)Municipal Sanatorium, Otisville, closed Oct. 15, 1954, (b)Nathan B. Van Etten Hospital opened Tbc. Service Nov. 1, 1954,  
(c)Neponsit Beach Hospital closed Jan. 11, 1955, (d)Seton Hospital closed April 15, 1955, (e)Willard Parker Hospital  
closed Dec. 8, 1955, (f)Stony Wold Sanatorium closed Nov. 30, 1955, (g)Brooklyn Thoracic Hospital closed Sept. 16, 1955,  
(h)House of Rest closed Oct. 30, 1954, (i)Hospital for Joint Diseases, Country Home, closed July 31, 1953, (j)Lenox  
Hill Hospital, Tbc. Service, closed March 12, 1954, (k)Montefiore Hospital, Westchester Division, closed Dec. 31, 1955,  
(l)Gray Oaks Hospital closed Dec. 31, 1955.

Compiled from reports by courtesy of Departments of Hospitals and Health, City of New York, and responding institutions,  
by Statistical Division, New York Tuberculosis and Health Association.

TUBERCULOSIS PREVENTORIUM FOR CHILDREN\*

Year:-	New York Patients					New Jersey Patients				
	1951	1952	1953	1954	1955	1951	1952	1953	1954	1955
<b>ADMISSIONS</b>										
New .....	302	332	348	301	273	14	14	6	10	11
Readmissions .....	91	41	32	22	8	0	0	0	0	0
Total .....	393	373	380	323	281	14	14	6	10	11
White .....	305	288	281	266	184	10	2	4	7	8
Nonwhite .....	88	85	99	57	97	4	12	2	3	3
<b>DISCHARGES</b>										
Tuberculosis .....	0	0	0	0	0	0	0	0	1	0
Non-tuberculosis .....	341	367	392	319	334	12	16	6	7	8
Total .....	341	367	392	319	334	12	16	6	8	8
With consent .....	341	367	392	318	331	11	16	6	8	8
Other .....	0	0	0	1	3	1	0	0	0	0
Patients on 1st day of period .....	124	176	182	170	173	4	6	4	4	6
Admissions during year .....	393	373	380	323	281	14	14	6	10	11
Discharges during year .....	341	367	392	319	334	12	16	6	8	8
Patients remaining, last day of period .....	176	182	170	173	120	6	4	4	6	9
Total treated during year .....	517	549	562	493	454	18	20	10	14	17
Patient days care rendered .....	62188	69719	68627	63079	60847	1670	3073	1361	1849	2239
Average number days care ) during year per patient) .....	120	127	122	128	134	93	154	136	132	132

\*Farmingdale, Monmouth County, New Jersey.  
†New admissions and readmissions.

Compiled from reports, Bureau of Records and Statistics, Department of Health, City of New York, by Statistical Division, New York Tuberculosis and Health Association.

TUBERCULOSIS IN THE UNITED STATES AND LARGE AMERICAN CITIES  
1954 - 1955

UNITED STATES The Public Health Service survey (\*) of tuberculosis morbidity and mortality records that, in 1955, 98,737 tuberculosis cases were newly reported in the Continental United States as compared with 100,540 in 1954. The majority of the new cases last year, 76,177, were classified as

TUBERCULOSIS NEW CASES AND DEATHS, 1954 AND 1955  
The United States, Upstate New York, New York City and State of New Jersey

Area	New Cases		Deaths	
	Number	Rate*	Number	Rate*
<b>UNITED STATES</b>				
1954 .....	100,540	62	16,392	10.1
1955 .....	98,737	60	15,580†	9.5
Change .....	-1,803 =1.8%	-2 =3%	-812 =5%	-0.6 =6%
<b>UPSTATE NEW YORK†</b>				
1954 .....	3,767	49	573	7.4
1955 .....	3,502	44	572†	7.2
Change .....	-265 =7%	-5 =10%	-1 =0.2%	-0.2 =3%
<b>NEW YORK CITY</b>				
1954 .....	6,582	82	1,127	14.0
1955 .....	6,214	77	1,084	13.4
Change .....	-368 =6%	-5 =6%	-43 =4%	-0.6 =4%
<b>STATE OF NEW JERSEY</b>				
1954 .....	3,650	72	558	11.0
1955 .....	3,665	71	568†	11.0
Change .....	+15 =0.4%	-1 =1%	+10 =2%	0.0 ..

\*Per 100,000 population. †Provisional. ‡Resident deaths and new cases reported in New York State, exclusive of New York City.

Based on reports: Newly Reported Tuberculosis Cases and Tuberculosis Deaths, United States and Territories, 1955, Public Health Service (Dept. of Health, Education, and Welfare), Aug. 30, 1956; Monthly Vital Statistics Report, Public Health Service, Vol. 4, No. 13, May 28, 1956; Office of Vital Statistics, New York State Department of Health; Division of Vital Statistics and Administration, New Jersey State Department of Health; Bureau of Records and Statistics, Department of Health, City of New York.

(\*)Newly Reported Tuberculosis Cases and Tuberculosis Deaths, United States and Territories, 1955, Tuberculosis Program, Division of Special Health Services, Public Health Service, Aug. 30, 1956.

"active or probably active" and represent a decline of three percent from the 78,592 active cases in 1954. It was pointed out that: "Although there has been a small but steady decline in tuberculosis incidence over the past few years, fifteen States and the District of Columbia reported an increase in the number of new active cases reported in 1955."

The National Office of Vital Statistics, in summarizing the trend of tuberculosis death rates for the United States, states that:

"From the time annual mortality data were first compiled for the death-registration area in 1900, mortality from tuberculosis has decreased almost without interruption. Starting in 1946, the speed of decline of the death rate for Tuberculosis, all forms, was accelerated. The average annual decrease between 1939 and 1945 was about 3 percent; the rate dropped 10 percent per year from 1945 to 1951; and between 1951 and 1953, the decrease was 22 percent per year. Since 1953, reduction in tuberculosis mortality has not been so rapid. The decline in rate between 1953 and 1954 was 17 percent and between 1954 and 1955 was about 7 percent."(†)

In another report(‡) this same agency records that: "One region, the Northeast, failed to show a decline in tuberculosis mortality between 1954 and 1955. The death rate for tuberculosis in the Northeast is now higher than for the South, which had been up to 1955 the area with the highest death rate for tuberculosis."

(†)Monthly Vital Statistics Report, National Office of Vital Statistics, Public Health Service, U.S. Dept. of Health, Education, and Welfare, Vol. 4, No. 13, May 28, 1956.

(‡)Monthly Vital Statistics Report, National Office of Vital Statistics, Public Health Service, U.S. Dept. of Health, Education and Welfare, Vol. 5, No. 1, April 3, 1956.

AMERICAN  
CITIES

Public Health Authorities of twenty-six large American cities made available data on tuberculosis deaths and newly reported cases for the years 1951-1955. Nine of these cities showed an increase in their tuberculosis mortality rates in 1955 as compared with 1954 and three recorded no change.

Six cities (Chicago, Philadelphia, Los Angeles, Milwaukee, Dallas and Kansas City, Mo.) had more new cases reported as well as a higher new case rate in 1955 than the year before.

These twenty-six important metropolitan areas contributed over thirty thousand (30,003) new cases or 30 percent of the total for the United States, as well as 4,195 deaths or over one-fourth (27%) of the tuberculosis deaths last year.

Since the combined population, in 1955, of the cities studied was estimated at 31,591,733 or approximately 19 percent that of the Continental United States it becomes obvious that large cities contribute more than their proportionate share of tuberculosis. This disparity is additional evidence that congested metropolitan centers present special problems in TB control which in the future may call for a greater concentration of effort.

Rural and suburban areas within relatively easy commuting distances and with comparatively less tuberculosis must take into account that, since millions of their residents come daily to the central cities, this ease of transportation brings with it exposure to the health hazards of the metropolis. Interest in communicable diseases obviously cannot end at the city boundary and active support in safeguarding the health and welfare of a "suburbanite" must be closely associated with that of his city neighbor. Regional co-ordination of tuberculosis control would seem to be prudent and necessary in this age of rapid transportation.

\* \* \*  
\* \*  
\*



Part B - Tuberculosis Deaths, Selected American Cities, 1951-1955

City	Number of Deaths					Change	55/54	Death Rate per 100,000 Population					Change	55/54
	1951	1952	1953	1954	1955			1951	1952	1953	1954	1955		
New York, N.Y. ....	2139	1598	1294	1127	1084	- 43 =	4%	27	20	16	14	13	- 1 =	7%
Chicago, Ill. ....	871	832	637	564	496	- 68 =	12%	24	23	17	15	13	- 2 =	13%
Philadelphia, Pa. .	690	564	537	368	393†	+ 25 =	7%	33	27	25	17	18	+ 1 =	6%
Los Angeles, Cal. .	463	406	323	285	256	- 29 =	10%	23	20	15	13	12	- 1 =	8%
Detroit, Mich. ....	484	287	240	209	183	- 26 =	12%	26	15	12	11	10	- 1 =	9%
Baltimore, Md. # ...	497	416	268	199	178	- 21 =	11%	52	43	28	21	18	- 3 =	14%
Cleveland, Ohio ...	199	168	157	124	93	- 31 =	25%	22	18	17	13	10	- 3 =	23%
St. Louis, Mo. ....	288	222	166	152	113	- 39 =	26%	34	26	19	17	13	- 4 =	24%
Boston, Mass. ....	317	285	221	216	183†	- 33 =	15%	39	35	27	27	22	- 5 =	19%
Washington, D.C. # .	293	235	172	123	128	+ 5 =	4%	36	28	20	14	15	+ 1 =	7%
San Francisco, Cal.	180	214	143	131	101†	- 30 =	23%	23	27	18	16	13	- 3 =	19%
Pittsburgh, Pa. # .	198	146	104	85	84	- 1 =	1%	29	22	15	13	12	- 1 =	8%
Milwaukee, Wis. # .	121	73	70	55	44	- 11 =	20%	19	11	11	8	6	- 2 =	25%
Buffalo, N.Y. ....	151	104	74	62	76†	+ 14 =	23%	26	18	13	11	13	+ 2 =	18%
Houston, Texas ....	146	100	103	90	95	+ 5 =	6%	24	16	16	13	14	+ 1 =	8%
New Orleans, La. ...	293	200	151	111	113	+ 2 =	2%	51	35	26	19	20	+ 1 =	5%
Minneapolis, Minn. #	64	62	65	28	32	+ 4 =	14%	12	12	12	5	6	+ 1 =	20%
Cincinnati, Ohio ..	185	149	132	79	69	- 10 =	13%	37	30	26	16	14	- 2 =	13%
Dallas, Texas .....	79	56	54	43	48	+ 5 =	12%	17	11	9	7	8	+ 1 =	14%
Seattle, Wash. ....	99	84	53	32	42	+ 10 =	31%	21	18	11	6	8	+ 2 =	33%
Denver, Colo. ....	73	78	67	66	60†	- 6 =	9%	17	17	14	14	14	- 2 =	14%
Kansas City, Mo. ...	110	105	92	67	71	+ 4 =	6%	24	22	19	20	15	- 0 =	...
San Antonio, Texas .	199	134	104	89	91	+ 2 =	2%	48	31	23	20	18	- 2 =	10%
Newark, N.J. ....	169	152	97	68	68	+ 0 =	...	38	35	22	15	15	+ 0 =	...
Memphis, Tenn. (d) .	120	98	76	54	55	+ 1 =	2%	30	24	18	12	12	+ 0 =	...
Oakland, Cal. # ....	89	82	57	35	39†	+ 4 =	11%	23	21	14	9	10	+ 1 =	11%

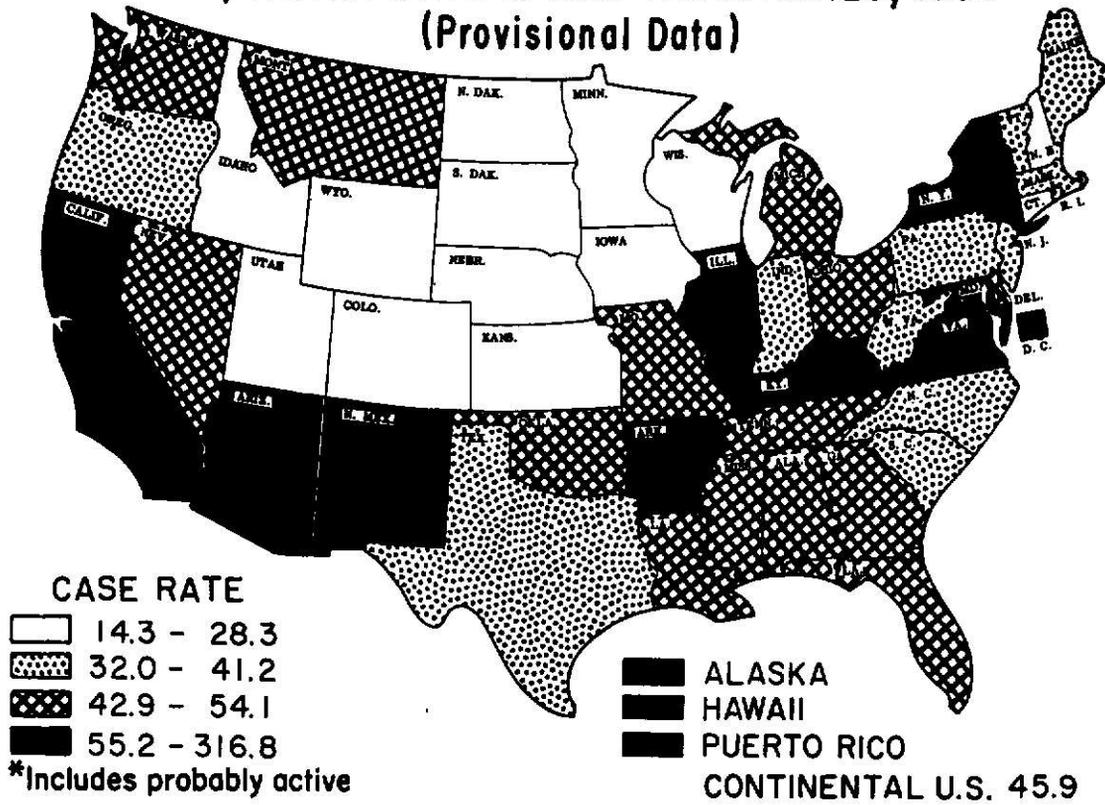
†Provisional. ‡Residents. (d)Memphis City.  
 Based on provisional reports by courtesy of Commissioners of Health and other Authorities.  
 Compiled by Statistical Division, New York Tuberculosis and Health Association.

## TUBERCULOSIS CASES, DEATHS AND HOSPITAL BEDS BY STATE, UNITED STATES†

State	Tuberculosis Beds, April 1, 1955			New Cases, 1955		TB Deaths, 1955	
	Non-Fed.	Federal	Total	Cases	Rate‡	Deaths	Rate‡
Alabama .....	848	383	1,231	2,541	83.8	340	11.2
Arizona .....	652	694	1,346	1,636	166.9	256	26.1
Arkansas .....	1,566	143	1,709	1,598	89.3	306	17.1
California .....	7,769	1,830	9,599	7,267	55.8	1,075	8.2
Colorado .....	1,156	712	1,868	1,144	73.9	112	7.2
Connecticut .....	1,275	294	1,569	873	39.0	165	7.4
Delaware .....	215	40	255	187	48.3	43	11.1
Dist. of Columbia ..	978	135	1,113	1,213	142.2	128	15.0
Florida .....	1,965	129	2,094	2,253	65.3	287	8.3
Georgia .....	2,102	418	2,520	1,693	46.8	271	7.4
Idaho .....	90	...	90	156	25.6	21	3.4
Illinois .....	4,777	691	5,468	7,595	81.1	898	9.6
Indiana .....	1,619	387	2,006	1,614	37.3	316	7.3
Iowa .....	692	45	737	506	18.8	107	4.0
Kansas .....	487	115	602	596	28.9	105	5.1
Kentucky .....	1,402	210	1,612	2,193	73.0	428	14.2
Louisiana .....	1,385	402	1,787	1,571	53.7	304	10.4
Maine .....	429	33	462	330	36.4	70	7.7
Maryland .....	2,013	468	2,481	2,062	77.3	316	11.8
Massachusetts .....	3,596	786	4,382	2,058	41.0	460	9.2
Michigan .....	5,255	303	5,558	5,488	75.8	477	6.6
Minnesota .....	1,549	160	1,709	1,436	45.2	129	4.1
Mississippi .....	708	72	780	1,033	48.9	211	10.0
Missouri .....	1,821	544	2,365	1,904	46.1	405	9.8
Montana .....	258	...	258	429	67.8	50	7.9
Nebraska .....	290	34	324	289	20.9	55	4.0
Nevada .....	34	...	34	118	52.4	33	14.7
New Hampshire .....	132	...	132	151	27.1	25	4.4
New Jersey .....	3,238	318	3,556	3,665	67.6	543	10.0
New Mexico .....	672	417	1,089	746	93.8	104	13.1
New York .....	10,790	2,315	13,105	9,716	60.3	1,698	10.5
North Carolina .....	2,507	1,282	3,789	1,950	45.5	254	5.9
North Dakota .....	359	...	359	146	22.7	22	3.4
Ohio .....	4,217	742	4,959	6,752	75.3	677	7.6
Oklahoma .....	886	321	1,207	1,492	68.8	185	8.5
Oregon .....	586	155	741	638	38.2	80	4.8
Pennsylvania .....	5,359	1,022	6,381	7,062	63.3	1,237	11.1
Rhode Island .....	571	43	614	433	51.2	55	6.5
South Carolina .....	920	76	996	1,218	53.4	216	9.4
South Dakota .....	116	212	328	171	25.3	45	6.6
Tennessee .....	1,957	797	2,754	3,155	92.3	508	14.9
Texas .....	3,696	1,113	4,809	3,867	45.2	810	9.4
Utah .....	100	124	224	150	19.2	35	4.4
Vermont .....	153	5	158	187	49.4	42	11.1
Virginia .....	1,601	259	1,860	2,995	83.7	377	10.5
Washington .....	1,839	737	2,576	1,813	70.5	129	5.0
West Virginia .....	1,296	407	1,703	976	48.8	207	10.3
Wisconsin .....	1,938	948	2,886	1,597	43.2	170	4.6
Wyoming .....	50	...	50	74	24.2	9	2.9
United States .....	87,914	20,321	108,235	98,737	59.8	14,796	9.0

†Based on reports of the Public Health Service, U.S. Department of Health, Education, and Welfare. ‡Rate per 100,000 population. Note: Deaths are provisional as reported by State health departments pending final tabulation by the National Office of Vital Statistics. Deaths according to place of occurrence. Compiled by A.M. Lowell, New York Tuberculosis and Health Association.

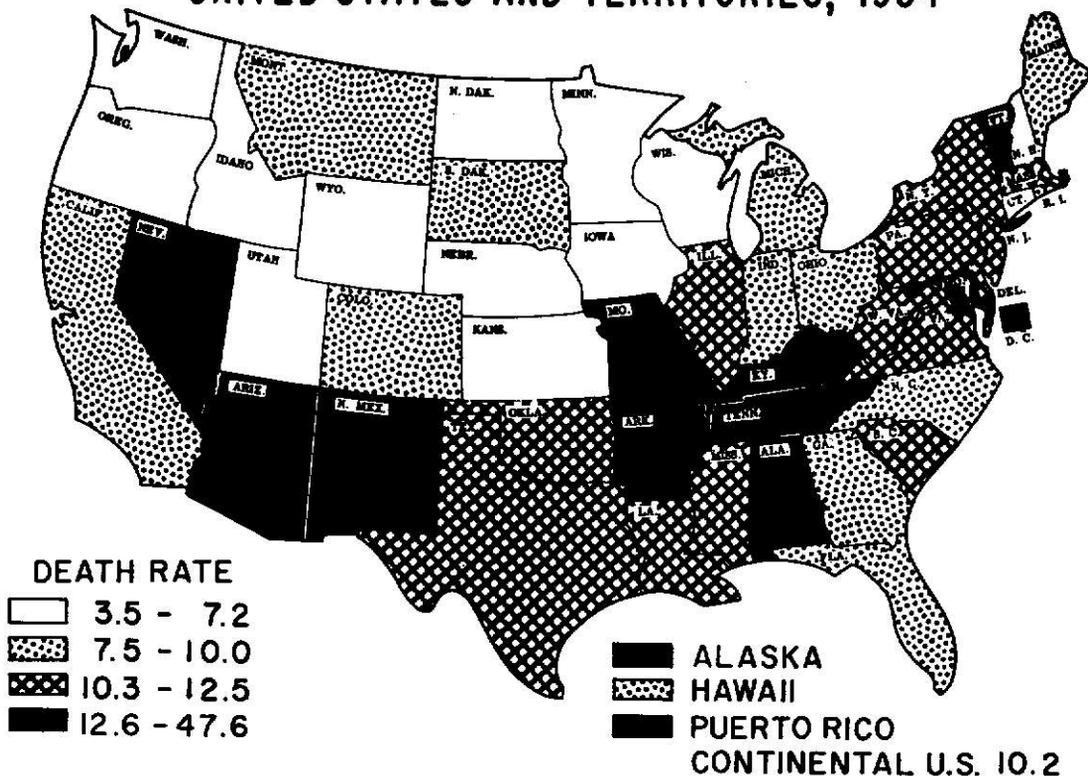
# NEWLY REPORTED ACTIVE\* TUBERCULOSIS CASES PER 100,000 POPULATION, UNITED STATES AND TERRITORIES, 1955 (Provisional Data)



Tuberculosis Program Charts, 1956

V

# TUBERCULOSIS DEATHS PER 100,000 POPULATION UNITED STATES AND TERRITORIES, 1954



Tuberculosis Program Charts, 1956

XV

From report: TUBERCULOSIS CHART SERIES--1956, U.S. Department of Health, Education, and Welfare, Public Health Service, Bureau of State Services, Division of Special Health Services, Tuberculosis Program, May, 1956.

TUBERCULOSIS DEATHS ACCORDING TO PLACE OF RESIDENCE AND RACE  
United States, Years 1950 and 1953

Cities	1950					1953				
	White		Nonwhite		All Races	White		Nonwhite		All Races
	Num-ber	Per-cent	Num-ber	Per-cent	Num-ber	Num-ber	Per-cent	Num-ber	Per-cent	Num-ber
Akron, Ohio .....	36	58%	26	42%	62	18	62%	11	38%	29
Atlanta, Ga. ....	46	29%	114	71%	160	34	38%	56	62%	90
Baltimore, Md. ....	238	44%	297	56%	535	140	52%	129	48%	269
Boston, Mass. ....	255	89%	31	11%	286	...	--	...	--	221†
Birmingham, Ala. ..	42	31%	94	69%	136	25	37%	42	63%	67
Buffalo, N.Y. ....	174	80%	44	20%	218	95	84%	18	16%	113
Chicago, Ill. ....	883	61%	553	39%	1436	510	62%	317	38%	827
Cincinnati, Ohio ..	86	56%	68	44%	154	78	62%	48	38%	126
Cleveland, Ohio ...	160	57%	123	43%	283	126	63%	73	37%	199
Columbus, Ohio ....	72	59%	51	41%	123	41	73%	15	27%	56
Dallas, Texas ....	49	63%	29	37%	78	36	65%	19	35%	55
Dayton, Ohio .....	50	65%	27	35%	77	38	62%	23	38%	61
Denver, Colo. ....	81	91%	7	9%	88	57	84%	11	16%	68
Detroit, Mich. ....	423	57%	322	43%	745	192	63%	113	37%	305
Fort Worth, Tex. ..	42	72%	16	28%	58	28	88%	4	12%	32
Houston, Tex. ....	116	70%	50	30%	166	67	61%	42	39%	109
Indianapolis, Ind..	92	61%	59	39%	151	57	72%	22	28%	79
Jacksonville, Fla..	26	31%	69	73%	95	16	37%	27	63%	43
Jersey City, N.J. .	93	83%	19	17%	112	46	77%	14	23%	60
Kansas City, Mo. .	90	66%	47	34%	137	66	72%	26	28%	92
Long Beach, Calif. .	29	94%	2	6%	31	23	96%	1	4%	24
Los Angeles, Calif..	428	80%	104	20%	532	263	79%	68	21%	331
Louisville, Ky. ...	85	56%	66	44%	151	79	63%	46	37%	125
Memphis, Tenn. ....	50	35%	92	65%	142	37	47%	41	53%	78
Miami, Fla. ....	40	61%	26	39%	66	39	81%	9	19%	48
Milwaukee, Wis. ...	96	84%	18	16%	114	68	91%	7	9%	75
Minneapolis, Minn..	74	90%	8	10%	82	64	96%	3	4%	67
Newark, N.J. ....	124	55%	103	45%	227	59	52%	54	48%	113
New Orleans, La. ..	117	48%	129	52%	246	65	47%	72	53%	137
New York, N.Y. ....	1745	69%	773	31%	2518	1012	69%	451	31%	1463
Norfolk, Va. ....	16	23%	55	77%	71	15	31%	33	69%	48
Oakland, Calif. ...	65	72%	25	28%	90	42	72%	16	28%	58
Oklahoma City, Okla.	40	75%	13	25%	53	20	77%	6	23%	26
Omaha, Neb. ....	44	86%	7	14%	51	28	80%	7	20%	35
Philadelphia, Pa. .	475	55%	393	45%	868	330	59%	232	41%	562
Pittsburgh, Pa. ...	151	63%	88	37%	239	90	64%	50	36%	140
Portland, Ore. ....	77	85%	14	15%	91	50	85%	9	15%	59
Providence, R.I. ..	50	85%	9	15%	59	34	89%	4	11%	38
Richmond, Va. ....	34	35%	62	65%	96	19	47%	21	53%	40
Rochester, N.Y. ...	87	92%	8	8%	95	37	90%	4	10%	41
St. Louis, Mo. ....	177	63%	102	37%	279	99	53%	88	47%	187
St. Paul, Minn. ...	54	89%	7	11%	61	33	97%	1	3%	34
San Antonio, Tex. .	239	92%	20	8%	259	105	96%	4	4%	109
San Diego, Calif. .	55	82%	12	18%	67	27	96%	1	4%	28
San Francisco, Calif.	216	81%	50	19%	266	126	82%	28	18%	154
Seattle, Wash. ....	91	90%	10	10%	101	48	81%	11	19%	59
Syracuse, N.Y. ....	52	100%	0	...	52	26	93%	2	7%	28
Toledo, Ohio .....	80	82%	17	18%	97	36	82%	8	18%	44
Washington, D.C. ..	137	35%	258	65%	395	59	32%	124	68%	183
Worcester, Mass. ..	40	100%	0	...	40	...	--	...	--	15†
United States .....	24136	71%	9823	29%	33959	114254	73%	5290	27%	19544

†Deaths by place of occurrence, details by race and place of residence not available for Massachusetts cities. Based on reports by courtesy of National Office of Vital Statistics. Compiled by Statistical Div., N.Y. Tuberculosis and Health Assn.

LEADING CAUSES OF DEATH, NEW YORK CITY, 1955

Rank †	Cause of Death‡	All Races		White		Nonwhite	
		Deaths	Rate*	Deaths	Rate*	Deaths	Rate*
1	Diseases of the heart .....	35,844	446	33,074	456	2,770	350
2	Malignant neoplasms .....	16,802	209	15,508	214	1,294	164
3	Vascular lesions, cent. nerv. syst. ..	5,742	71	5,253	72	489	62
4	Accidents .....	3,032	38	2,593	36	439	56
5	Diseases early infancy .....	2,805	35	1,995	28	810	102
6	Pneumonias, influenza .....	2,754	34	2,308	32	446	56
7	Diseases liver, gallbladder, pancreas	1,980	25	1,782	25	198	25
8	Diabetes mellitus .....	1,698	21	1,543	21	155	20
9	Diseases of arteries .....	1,423	18	1,316	18	107	14
10	Tuberculosis .....	1,084	13	753	10	331	42
11	Congenital malformations .....	903	11	775	11	128	16
12	Diseases stomach, duodenum .....	743	9	680	9	63	8
	- Other (remaining) causes .....	6,802	...	5,645	...	1,157	...
	All causes .....	81,612	1015	73,225	1010	8,387	1060

†Rank for all races. ‡Causes of death, International List (6th rev.): (1) Diseases of the heart, 410-443; (2) Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues, 140-205; (3) Vascular lesions affecting central nervous system, 330-334; (4) Accidents, E800-E962; Certain diseases of early infancy, 760-776; (6) Influenza and pneumonia, except pneumonia of new born 480-493; (7) Diseases of liver, gallbladder and pancreas, 580-587; (8) Diabetes mellitus, 260; (9) Diseases of arteries, 450-456; (10) Tuberculosis, all forms, 001-019; (11) Congenital malformations, 750-759; (12) Diseases of stomach and duodenum, 540-545.

TUBERCULOSIS MORTALITY ACCORDING TO AGE, NEW YORK CITY, 1955

Age Group	Respiratory system		Other forms		All forms	
	Deaths	Rate*	Deaths	Rate*	Deaths	Rate*
0-5 .....	9	1.1	16	2.0	25	3.1
5-9 .....	1	0.2	4	0.7	5	0.9
10-14 .....	0	...	1	0.3	1	0.3
15-24 .....	24	2.5	2	0.2	26	2.7
25-34 .....	84	6.8	9	0.7	93	7.5
35-44 .....	159	12.2	5	0.4	164	12.6
45-54 .....	235	19.5	8	0.7	243	20.2
55-64 .....	256	28.0	8	0.9	264	28.9
65-74 .....	179	34.9	7	1.4	186	36.3
75+ .....	76	40.0	1	0.5	77	40.5
All ages .....	1,023	12.7	61	0.7	1,084	13.4

TUBERCULOSIS MORTALITY BY SEX AND RACE, NEW YORK CITY, 1955

Sex	All Races		White		Nonwhite	
	Deaths	Rate*	Deaths	Rate*	Deaths	Rate*
Male .....	840	21.8	629	18.0	211	58.8
Female .....	244	5.8	124	3.3	120	27.8
Both sexes .....	1,084	13.4	753	10.4	331	41.9

\*Per 100,000 population. Death rates by age, sex and color are based on provisional population estimates and subject to revision.

Based on reports, courtesy of the Bureau of Records and Statistics, Department of Health, City of New York. Compiled by Statistical Division, New York Tuberculosis and Health Association.

LEADING CAUSES OF DEATH, UNITED STATES, 1955  
(Based on a sample of over 152,000 death certificates  
received during the 12 months of 1955†)

Rank	Cause of Death‡	All Races		White		Nonwhite	
		Deaths	Rate*	Deaths	Rate*	Deaths	Rate*
1	Diseases of the heart .....	578,270	352.0	528,400	360.5	49,870	281.4
2	Malignant neoplasms .....	242,430	147.6	221,810	151.3	20,620	116.4
3	Vascular lesions, cent. nerv. syst. ....	175,120	106.6	154,570	105.5	20,550	116.0
4	Accidents .....	91,270	55.6	79,250	54.1	12,020	67.8
5	Diseases early infancy .....	65,310	39.8	51,460	35.1	13,850	78.2
6	Pneumonias, influenza .....	45,140	27.5	36,750	25.1	8,390	47.4
7	General arteriosclerosis .....	31,860	19.4	29,750	20.3	2,110	11.9
8	Diabetes mellitus .....	25,000	15.2	22,340	15.2	2,660	15.0
9	Congenital malformations .....	19,520	11.9	17,210	11.7	2,310	13.0
10	Nephritis .....	19,010	11.7	15,100	10.3	3,910	22.0
11	Cirrhosis of liver .....	17,710	10.8	16,350	11.2	1,360	7.7
12	Tuberculosis .....	15,580	9.5	11,550	7.9	4,030	22.7
-	Other (remaining) causes .....	200,780	...	166,990	...	33,790	...
	All causes .....	1,527,000	929.5	1,351,530	922.2	175,470	990.3

‡Causes of death, International List (6th rev.): (1)Diseases of the heart, 410-443; (2)Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues, 140-205; (3)Vascular lesions affecting central nervous system, 330-334; (4)accidents, E800-E962; (5)Certain diseases of early infancy, 760-776; (6)Influenza and pneumonia, except pneumonia of newborn, 490-493; (7)General arteriosclerosis, 450; (8)Diabetes mellitus, 260; (9)Congenital malformations, 750-759; (10)Chronic and unspecified nephritis and other renal sclerosis, 592-594, acute nephritis and nephritis with edema, including nephrosis, 590,591; (11)Cirrhosis of liver, 581; (12)Tuberculosis, all forms, 001-019.

TUBERCULOSIS MORTALITY ACCORDING TO AGE, UNITED STATES, 1955†

Age Group	Respiratory system		Other forms		All forms	
	Deaths	Rate*	Deaths	Rate*	Deaths	Rate*
0-1 .....	70	1.9	40	1.1	110	3.0
1-14 .....	100	0.2	160	0.4	260	0.6
15-24 .....	360	1.7	50	0.2	410	1.9
25-34 .....	1,070	4.5	100	0.4	1,170	4.9
35-44 .....	1,980	8.7	220	1.0	2,200	9.7
45-54 .....	2,860	15.1	200	1.1	3,060	16.2
55-64 .....	3,080	21.2	180	1.2	3,260	22.4
65-74 .....	3,060	32.4	210	2.2	3,270	34.7
75-84 .....	1,560	40.1	60	1.5	1,620	41.7
85+ .....	210	26.0	10	1.2	220	27.2
All ages .....	14,350	8.7	1,230	0.7	15,580	9.5

TUBERCULOSIS MORTALITY BY SEX AND RACE, UNITED STATES, 1955†

Sex	All Races		White		Nonwhite	
	Deaths	Rate*	Deaths	Rate*	Deaths	Rate*
Male .....	11,250	13.9	8,550	11.8	2,700	31.3
Female .....	4,330	5.2	3,000	4.0	1,330	14.6
Both Sexes .....	15,580	9.5	11,550	7.9	4,030	22.7

\*Per 100,000 population. †From report: Estimated numbers of deaths and death rates for selected causes, United States, 1955, based on the returns of a 10-percent sample of death certificates received in vital statistics offices during 1955, Monthly Vital Statistics Report, Annual Summary for 1955, Part 2, Vol. 4, No. 13, May 28, 1956, National Office of Vital Statistics.

TUBERCULOSIS IN SELECTED COUNTRIES

Part A - Tuberculosis New Cases, Since 1947

Country	1947	1948	1949	1950	1951	1952	1953	1954	1955
	New Cases Reported								
United States.	134,946	137,006	134,865	121,742	118,491	109,837	106,925	100,540	98,737
Puerto Rico...	6,367	7,155	7,101	5,688	5,955	6,120	5,238	4,520	4,297*
Canada .....	13,739	12,363	13,097	12,429	11,152	10,506	10,572	10,474	10,177
England & Wales	55,407	56,127	55,323	52,062	52,046	50,332	48,832	43,975	39,629*
Scotland .....	10,117	10,046	10,300	9,681	9,200	8,688	8,844	8,204	7,632*
Northern Ireland	1,517†	2,862	2,575	2,153	2,043	1,819	1,661	1,683	1,370
Eire .....	5,942	6,073	7,552	6,796	6,685	6,795	6,602	6,266	...
Norway .....	3,719	3,441	3,505	3,135	2,989	2,551	2,156	2,180	...
Sweden .....	13,708	12,808	11,611	10,550	10,108	8,516	7,724	7,256	...
Denmark (Pulm. TB)	3,522	3,351	2,906	2,514	2,412	2,060	1,764	1,547	...
Finland † ....	9,245	7,341	7,128	5,935	11,144	11,710	11,303	9,471	8,762
Iceland .....	369	280	259	234	250	209	...	...	...
German Republic	...	185,622	147,001	122,928	117,546	110,797	107,538	96,103	...
France ‡ .....	67,877	68,328	63,244	62,107	62,984	60,100	60,074	54,866	...
Australia .....	3,971	3,707	3,714	4,491	4,635	4,786	4,979	4,952	4,689
New Zealand +.	1,692	1,619	1,472	1,547	1,375	1,482	1,439	1,252	1,917

	New Case Rate per 100,000 Population								
United States.	94	93	90	80	77	70	67	62	60
Puerto Rico ..	294	327	323	258	267	273	237	203	189
Canada .....	107	94	95	91	80	73	72	69	65
England & Wales	129	129	126	119	119	115	111	99	89
Scotland .....	197	194	199	187	180	170	173	160	149
Northern Ireland	113	212	189	157	149	132	120	121	98
Eire .....	200	203	253	229	226	230	224	214	...
Norway .....	118	108	108	96	91	77	64	64	...
Sweden .....	202	186	169	150	143	120	108	101	...
Denmark #.....	85	80	69	59	56	48	40	35	...
Finland .....	240	188	180	148	275	286	273	226	207
Iceland .....	275	204	185	164	172	141	...	...	...
German Republic	...	400	312	258	243	229	220	194	...
France .....	167	166	152	149	149	142	141	128	...
Australia .....	52	48	47	55	55	55	56	55	51
New Zealand ..	100	94	84	86	75	79	75	64	96

†Prior to September 1, 1947, "acute infectious cases" only; thereafter, all forms.

‡Registration in complete 1947-1950. #New cases registered at dispensaries.

+European population. \*Provisional. #Pulmonary TB.

Compiled by A.M. Lowell, Statistical Division, New York Tuberculosis and Health Association.

TUBERCULOSIS IN SELECTED COUNTRIES

Part B - Tuberculosis Deaths, Since 1947

Country	1947	1948	1949	1950	1951	1952	1953	1954	1955
	Deaths Reported								
United States ..	48,064	43,833	39,100	33,959	30,863	24,621	19,544	16,392	15,580*
Puerto Rico ....	4,160	3,858	3,205	2,861	2,654	2,092	1,046	859	731
Canada .....	5,449	4,773	4,295	3,583	3,417	2,457	1,810	1,562	1,382*
England & Wales.	23,551	21,993	19,908	15,969	13,806	10,585	8,902	7,894	6,543
Scotland .....	4,095	3,901	3,484	2,775	2,179	1,612	1,341	1,128	982*
Northern Ireland	974	932	798	661	617	410	316	251	211*
Eire .....	3,700	3,103	2,712	2,380	2,107	1,579	1,190	1,034	860
Norway .....	1,760	1,641	1,242	947	783	667	539	520	...
Sweden .....	3,516	2,858	1,961	1,525	1,561	1,293	1,044*	907*	...
Denmark(Pulm.TB)	1,010	895	672	505	508	423	341	310	227*
Finland .....	6,493	6,154	5,218	3,754	3,390	2,359	1,848	1,697	1,778
Iceland .....	71	47	36	29	31	20	14	...	...
German Republic.	30,302	31,066	23,324	18,806	17,849	13,281	10,594	10,110	...
France .....	31,707	30,637	27,953	24,282	25,703	18,634	15,687	13,960	13,285*
Australia .....	2,261	2,169	1,964	1,675	1,538	1,290	974	897	728
New Zealand ....	524	469	435	412	383	273	238	204	216

	Death Rate per 100,000 Population								
United States ..	33	30	26	22	20	16	12	10	9.5
Puerto Rico ....	192	176	146	130	119	93	47	39	32
Canada .....	42	36	32	26	24	17	12	10	9
England & Wales.	55	51	45	36	32	24	20	18	15
Scotland .....	80	75	68	54	43	32	26	22	19
Northern Ireland	73	69	59	48	45	30	23	18	15
Eire .....	124	104	91	80	71	54	40	35	30
Norway .....	56	51	38	29	24	20	16	15	...
Sweden .....	52	42	28	22	22	18	15	13	...
Denmark# .....	24	21	16	12	12	10	8	7	5
Finland .....	168	157	132	94	84	58	45	41	42
Iceland .....	53	34	26	20	21	14	9	...	...
German Republic.	73	67	49	39	37	27	22	20	...
France .....	79	74	67	58	61	44	37	33	31
Australia .....	30	28	25	20	18	15	11	10	8
New Zealand ....	31	27	25	23	21	15	12	10	11

\*Provisional. #Pulmonary TB.

Compiled by A.M. Lowell, Statistical Division, New York Tuberculosis and Health Association.

TUBERCULOSIS HOSPITAL BEDS, TUBERCULOSIS DEATHS AND B.C.G. IMMUNIZATIONS  
Selected Countries\*, Mainly for the Years 1950-1955

## Part A

Country	Beds	Hospitals	Tuberculosis Deaths	B.C.G. Immunizations
Egypt ('53) .....	4,144	30	...	...
Ethiopia ('53) .....	200(a)	1	...	...
Eritrea ('53) .....	(b)	...	...	80,000('54)
Lybia ('55) .....	185(c)	2	...	...
Union of So. Africa ('53) ....	5,615(d)	40	...	...
Ruanda Urundi ('53) .....	108	1	...	...
Morocco, Spanish Protect. ('50)	190	4	...	2,175('50)
Algeria ('54) .....	(e)	...	...	1,215,750('53)
Morocco, French Protect. ('53).	867	8	...	...
Tunisia ('51) .....	370	5	...	264,604('51)
Kenya ('53).....	127	1	...	...
Southern Rhodesia ('53) .....	150	1	...	...
Sierra Leone ('53) .....	(f)	...	...	...
British Somaliland ('54) ....	56	1	...	...
Tanganyika ('53) .....	230(g)	1	...	...
Zanzibar and Pemba ('52) ....	25	1	...	...
Argentina ('51) .....	(h)	...	...	...
Bolivia ('53) .....	257	...	...	...
Brazil ('51) .....	14,873	97	...	...
Canada ('53) .....	18,643	...	1,382('55)	25,205('54)
Chile ('52) .....	3,944(i)	19	4,530('55)	...
Colombia ('52) .....	1,806(j)	8	...	...
Costa Rica ('53) .....	250(k)	1	...	...
Cuba ('53) .....	1,635(l)	...	...	...
Guatemala ('52) .....	735	4	...	...
Haiti ('51) .....	157	3	...	...
Mexico ('53) .....	1,015(m)	4	...	...
Nicaragua ('52) .....	220	1	...	...
Peru ('55) .....	1,272	5	...	...
Dominican Republic ('54) ....	385	2	...	...
El Salvador ('49) .....	135	...	...	...
Uruguay ('50) .....	2,086(n)	2	...	114,883('53)
Venezuela ('53) .....	2,266	15	...	68,589('54)
Greenland ('52) .....	70	3	...	...
Martinique ('53) .....	95	1	...	30('53)
Netherlands West Indies ('53)	60	1	...	...
Surinam ('52) .....	52(o)	1	...	201('52)
Bahama ('53) .....	35	...	...	...
Falkland ('53) .....	(p)	...	...	304('54)
British Guiana ('53).....	264	1	...	...

TUBERCULOSIS HOSPITAL BEDS, TUBERCULOSIS DEATHS AND B.C.G. IMMUNIZATIONS  
Selected Countries\*, Mainly for the Years 1950-1955

## Part B

Country	Beds	Hospitals	Tuberculosis Deaths	B.C.G. Immunizations
British Honduras ('51) .....	28	1	...	13,242('53)
Windward Is.: Grenada ('53) ...	27(q)	1	...	...
St. Vincent ('53).	40	...	...	...
Jamaica ('53) .....	400	2	...	49,451('51)
Trinidad and Tobago ('53) .....	430(r)	2	...	184,859('53)
Afghanistan ('54) .....	52(s)	1	...	...
Burma ('53) .....	(t)	...	...	332,328('53)
Cambodia ('52) .....	(u)	...	...	...
Ceylon ('53) .....	1,822	6	...	126,990('53)
South Korea ('53) .....	770	3	...	525,290('53)
China (Taiwan) ('50) .....	240	3	...	565,258('52)
India ('54) .....	10,827	430	...	14,575,637('54)
Indonesia ('54) .....	1,440	14	...	...
Iraq ('53) .....	846	6	...	...
Iran ('52) .....	1,440	3	...	...
Israel ('53) .....	1,648(w)	11	...	39,600('53)
Japan ('53) .....	104,073(x)	561	...	10,387,504('52)
Jordan ('51) .....	(y)	...	...	...
Lebanon ('52) .....	1,130	4	...	...
Syria ('51) .....	350	3	...	...
Thailand ('54) .....	150(z)	1	...	661,159('53)
Turkey ('53) .....	6,032	32	...	904,445('53)
Vietnam ('52) .....	124(aa)	1	...	...
Aden Colony ('53) .....	(bb)	...	...	133('53)
North Borneo ('53) .....	(cc)	...	...	...
Brunei ('53) .....	22	1	...	...
Cyprus ('53) .....	124	2	...	...
Federation of Malaya ('53) ....	637(dd)	4	...	83,514('53)
Hong Kong ('53) .....	448(ee)	2	...	31,907('53)
Sarawak ('53) .....	(ff)	...	...	61('53)
Singapore ('53) .....	557	1	...	35,894('53)
German Federal Rep. ('53) .....	47,767	335	10,110('54)	64,206('53)
West Berlin ('53) .....	1,052	5	...	118('51)
Austria ('53) .....	5,814	28	...	58,783('53)
Belgium ('53) .....	4,443	28	...	5,405('52)
Denmark ('53) .....	4,056	...	227(pulm.) ( '55)	152,342('52)
Faroe Is. ('52) .....	50	1	...	367('52)
Spain ('49) .....	18,212(gg)	120	11,533('53)	30,881('53)
Finland ('52) .....	6,262	32	1,778('55)	127,908('52)
France ('53) .....	36,688(hh)	224	13,285('55)	...
Greece ('55) .....	4,936(ii)	13	...	140,566(1-'54- 6-'55)
Hungary ('52) .....	9,220(jj)	...	...	...
Ireland ('53) .....	5,401(kk)	47	860('55)	61,373('53)

TUBERCULOSIS HOSPITAL BEDS, TUBERCULOSIS DEATHS AND B.C.G. IMMUNIZATIONS  
Selected Countries\*, Mainly for the Years 1950-1955

## Part C

Country	Beds	Hospitals	Tuberculosis Deaths	B. C. G. Immunizations
Iceland ('51) .....	257	2	...	18 ('51)
Italy ('51) .....	78,898(11)	321	...	...
Luxemburg ('54) .....	205(mm)	2	...	600 ('54)
Monaco ('51) .....	30	...	...	...
Norway ('52) .....	4,502	88	520('54)	...
Netherlands ('54) .....	9,335(nn)	53	...	...
Poland ('49) .....	4,679	...	...	...
Portugal ('53) .....	5,160	28	...	...
Rumania ('54) .....	10,750	...	...	...
England and Wales ('53) ..	30,656	...	6,543('55)	144,000(to end '53)
Scotland ('54) .....	6,824	...	982('55)	26,100('53)
Northern Ireland ('53) ..	943(oo)	9	211('55)	9,945('53)
Saar ('54) .....	540(pp)	3	...	...
Sweden ('53) .....	8,019(qq)	54	907('54)	101,598('53)
Switzerland ('53) .....	10,764	122	...	...
Czechoslovakia ('54) .....	11,060	...	...	...
Yugoslavia ('53) .....	9,375(rr)	51	...	466,104('53)
Gibraltar ('53) .....	64	1	...	...
Malta and Gozo ('53) ....	172	2	...	5,201('53)
Australia ('52) .....	3,181	34	728('55)	...
New Zealand ('53) .....	742(ss)	7	216('55)	22,600('53)
Nauru ('54) .....	14	1	...	...
Guam(U.S.)('53) .....	(tt)	...	...	...
Pacific Is.(U.S.)('54) ..	96	...	...	...
Cook ('54) .....	40	1	...	...
Fidji ('53) .....	300	1	...	5,311('53)
Alaska ('55)† .....	702	9	51	...
Puerto Rico ('55)† .....	2,898	8	731	...
Hawaii ('55)† .....	1,334	5	33	...
United States ('55)† ....	108,235	1,071	15,580	...

Figures in parentheses indicate year for which data are available.

Number of beds available in general hospitals for tuberculosis: (a)100, (b)159, (c)194, (d)tuberculosis and infectious diseases, (e)1,125, (f)22, (g)50, (h)2,650 beds allocated in hospitals of Ministry of Public Health only, (i)679, (j)706, (k)303, (l)figure derived from partial data, (m)799, (n)761, (o)84, (p)10, (q)Patients at end of 1953, (r)20, (s)120, (t)one preventorium with 100 beds, (u)one tuberculosis dispensary with 27 beds, (v)492, (w)126, (x)74,348, (y)16, (z)20, (aa)240, (bb)138, (cc)116, (dd)2,309, (ee)480, (ff)92, (gg)including preventoria and tuberculosis homes (2,934 beds), (hh)27,333, (ii)not including preventoria, (jj)9,220, including tuberculosis beds in general hospitals, (kk)1,072, (ll)13,501, (mm)23, (nn)988, (oo)680, (pp)261, (qq)663, (rr)4,392, also 208 tuberculosis centers with 822 beds, (ss)944, (tt)171.

B.C.G. Immunizations: Belgian Congo, TB Centre Leopoldville('53)13,992, French West Africa('53)47,005, French Somaliland('53)224, Madagascar('53)14,474, Togoland (Fr.adm.)('53)2,079, Mauritius('53)7,220, St. Pierre & Miquelon('53)22, Philippines. Jan. 7, '52-June 30, '53, 811,037, New Caledonia ('53)638.

Lacking internationally accepted uniformity as to the meaning of some of the statistical units employed, caution should be used in attempting to establish comparison between countries. \*Based on provisional reports of World Health Organization, United Nations, (†)United States Dept. of Health, Education and Welfare and other Health Authorities. Compiled by A.M. Lowell, New York Tuberculosis and Health Association.