

MORTALITY

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TUBERCULOSIS MORTALITY

THE number of tuberculosis deaths recorded within the boundaries of New York City during 1961 was 738, a rate of 9.4 per 100,000 population, as compared to 810 deaths or a rate of 10.4 in 1960.

The decrease in resident deaths last year occurred in the boroughs of Manhattan (16%), The Bronx (10%), and Brooklyn (10%). There were a few more deaths in Queens and Richmond during 1961 than in 1960.

For the City as a whole the rate of change of the tuberculosis death rate, although generally downward, has fluctuated from year to year. For the period 1940-1948, the yearly decline ranged from one to six percent. During the years 1949-1951, the decline ranged from 9 to 18 percent, then for the period 1952-1954, the drop ranged from 12 to 26 percent. In 1956, the drop was over 10 percent, in 1957 there was a 2 percent rise, in 1958 a decline of 15 percent, in 1959, 7 percent, in 1960, a rise of 4 percent, and in 1961 a drop of 9%.

Although women outnumber men in New York City, twice as many men as women have active tuberculosis. For generations there has been proportionately more tuberculosis among males than among females and the mortality and incidence rates consistently have for over half a century been higher for the males. Respiratory tuberculosis deaths comprise almost 95 percent of the total.

TUBERCULOSIS MORTALITY*, NEW YORK CITY, SINCE 1900

Year	Male		Female		Persons					
	Deaths *	Rate †	Deaths *	Rate †	Respiratory		Other Forms		All Forms	
					Deaths *	Rate †	Deaths *	Rate †	Deaths *	Rate †
1900 ...	5,783	338	3,847	222	8,154	237	1,476	43	9,630	280
1910 ...	6,352	266	3,722	156	8,692	182	1,382	29	10,074	211
1920 ...	4,211	149	2,924	103	6,165	109	970	17	7,135	126
1930 ...	3,131	90	1,958	56	4,457	64	632	9	5,089	73
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	13.1	61	0.8	1,084	13.9
1956 ...	719	19	255	6	916	11.7	58	0.7	974	12.4
1957 ...	767	20	215	5	931	11.9	51	0.7	982	12.6
1958 ...	632	17	201	5	772	9.9	61	0.8	833	10.7
1959 ...	573	15	206	5	736	9.4	43	0.6	779	10.0
1960 ...	615	17	195	5	763	9.8	47	0.6	810	10.4
1961 ...	564	15	174	4	688	8.8	50	0.6	738	9.4

*Included are deaths occurring within New York City (residents, non-residents and persons of unknown address), exclusive of city residents who died out of town. †Per 100,000 population.

TUBERCULOSIS MORTALITY, BY DISTRICT OF RESIDENCE, NEW YORK CITY, 1960 AND 1961

Health Center DISTRICT	Population April 1, 1960	Resident Deaths in City*			Death Rate†	
		1960	1961	Change 1961/60	1960	1961
Central Harlem	232,792	94	104	+ 10	40	45
East Harlem	177,765	30	24	- 6	17	14
Kips Bay-Yorkville	215,192	17	15	- 2	8	7
Lower East Side	271,896	71	46	- 25	26	17
Lower West Side	262,751	67	52	- 15	26	20
Riverside	268,608	50	34	- 16	19	13
Washington Heights	269,277	29	24	- 5	11	9
MANHATTAN:	1,698,281	358	299	- 59	21	18
Fordham-Riverdale	231,931	11	10	- 1	5	4
Morrisania	262,436	23	16	- 7	9	6
Mott Haven	223,703	26	28	+ 2	12	12
Pelham Bay	184,451	8	10	+ 2	4	5
Tremont	263,295	18	11	- 7	7	4
Westchester	258,999	7	9	+ 2	3	3
BRONX:	1,424,815	93	84	- 9	7	6
Bay Ridge	290,395	6	9	+ 3	2	3
Bedford	286,764	48	37	- 11	17	13
Brownsville	298,473	16	16	..	5	5
Bushwick	216,744	23	22	- 1	11	10
Flatbush	475,715	25	22	- 3	5	5
Fort Greene	215,314	32	17	- 15	15	8
Gravesend	296,430	14	9	- 5	5	3
Red Hook-Gowanus	162,125	14	22	+ 8	9	14
Sunset Park	192,702	15	16	+ 1	8	8
Williamsburg-Greenpoint ..	192,657	26	28	+ 2	13	15
BROOKLYN:	2,627,319	219	198	- 21	8	8
Astoria-Long Island City..	255,464	11	22	+ 11	4	9
Corona	217,984	9	11	+ 2	4	5
Flushing	452,204	14	12	- 2	3	3
Jamaica East	293,342	25	22	- 3	8	7
Jamaica West	309,061	12	15	+ 3	4	5
Maspeth-Forest Hills	281,523	17	11	- 6	6	4
QUEENS:	1,809,578	88	93	+ 5	5	5
RICHMOND:	221,991	9	13	+ 4	4	6
N.Y.C. RESIDENTS	7,781,984	767	687	- 80	10	9
Non-Residents .....	....	24	24	...	...	...
Residence Unknown .....	....	19	27	+ 8	...	...
NEW YORK CITY TOTAL	7,781,984	810	738	- 72	10	9

*Excludes residents who died outside of New York City

†Deaths per 100,000 population.

TUBERCULOSIS DEATHS BY HEALTH CENTER DISTRICT OF RESIDENCE

White, Nonwhite, By Age, New York City, 1961

Health Center DISTRICT	WHITE						NONWHITE						Total All Groups
	0- 14	15- 24	25- 44	45- 64	65+	Total	0- 14	15- 24	25- 44	45- 64	65+	Total	
Central Harlem	0	0	1	0	2	3	0	0	41	46	14	101	104
East Harlem	1	0	4	5	7	17	0	0	3	3	1	7	24
Kips Bay-Yorkville.	0	0	1	9	5	15	0	0	0	0	0	0	15
Lower East Side ...	0	0	4	15	17	36	0	0	4	5	1	10	46
Lower West Side ...	0	0	6	24	17	47	0	0	0	4	1	5	52
Riverside	0	0	1	10	9	20	0	0	8	5	1	14	34
Washington Heights.	0	0	2	4	5	11	0	0	5	4	4	13	24
MANHATTAN:	1	0	19	67	62	149	0	0	61	67	22	150	299
Fordham-Riverdale .	0	0	0	6	3	9	0	0	0	1	0	1	10
Morrisania	0	0	2	3	2	7	0	1	4	3	1	9	16
Mott Haven	1	2	3	11	3	20	0	1	4	3	0	8	28
Pelham Bay	0	0	1	5	3	9	0	0	0	1	0	1	10
Tremont	0	0	0	5	5	10	0	0	1	0	0	1	11
Westchester	0	0	1	3	4	8	0	0	0	1	0	1	9
BRONX:	1	2	7	33	20	63	0	2	9	9	1	21	84
Bay Ridge	0	0	0	5	4	9	0	0	0	0	0	0	9
Bedford	0	0	0	2	3	5	0	0	14	16	2	32	37
Brownsville	0	0	3	1	1	5	0	0	3	7	1	11	16
Bushwick	0	0	2	5	9	16	1	0	2	3	0	6	22
Flatbush	0	0	3	7	12	22	0	0	0	0	0	0	22
Fort Greene	2	0	0	0	3	5	0	0	8	3	1	12	17
Gravesend	0	0	1	3	4	8	0	0	1	0	0	1	9
Red Hook-Gowanus ..	1	0	3	8	8	20	0	0	1	1	0	2	22
Sunset Park	0	0	2	9	5	16	0	0	0	0	0	0	16
Wmsbrg.-Greenpoint.	0	0	3	17	6	26	0	0	1	1	0	2	28
BROOKLYN:	3	0	17	57	55	132	1	0	30	31	4	66	198
Astoria-L.I.City ..	0	0	2	9	7	18	0	0	1	2	1	4	22
Corona	0	0	1	4	2	7	0	0	2	2	0	4	11
Flushing	0	0	2	6	4	12	0	0	0	0	0	0	12
Jamaica East	0	0	1	2	3	6	1	0	5	10	0	16	22
Jamaica West	0	0	1	8	5	14	0	0	0	1	0	1	15
Maspeth-For. Hills.	0	0	1	5	5	11	0	0	0	0	0	0	11
QUEENS:	0	0	8	34	26	68	1	0	8	15	1	25	93
RICHMOND:	0	0	3	4	6	13	0	0	0	0	0	0	13
N.Y.C.RESIDENTS ...	5	2	54	195	169	425	2	2	108	122	28	262	687
Non-Residents	0	0	5	8	10	23	0	0	1	0	0	1	24
Residence Unknown..	0	0	3	13	2	18	0	0	2	6	1	9	27
NEW YORK CITY TOTAL	5	2	62	216	181	466	2	2	111	128	29	272	738

PERCENTAGE DISTRIBUTION BY AGE

Age Group:-	0- 14	15- 24	25- 44	45- 64	65+	Total
White	1.1%	0.4%	13.3%	46.4%	38.8%	100%
Nonwhite ...	0.7%	0.7%	40.8%	47.1%	10.7%	100%
Total	0.9%	0.5%	23.5%	46.6%	28.5%	100%

RESIDENT TUBERCULOSIS DEATHS* BY ETHNIC GROUP
(including residents who died outside of city)
New York City, 1945-1960

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
1956	682	281	30	13	0	14	1,020
1957	622	262	38	20	1	9	952
1958	529	243	27	9	2	8	818
1959	490	235	24	16	4	17	786
1960	476	256	33	9	1	20	795

*As defined by Department of Health, The 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. Data for 1961 not available.

RESIDENT TUBERCULOSIS DEATHS* NEW YORK CITY
(including residents who died outside of city)
Sex and Ethnic Group, 1954-1960

Ethnic Group	M a l e							F e m a l e						
	1954	1955	1956	1957	1958	1959	1960	1954	1955	1956	1957	1958	1959	1960
White	568	607	557	524	424	390	394	165	107	125	98	105	100	82
Negro	188	176	174	174	165	149	174	105	111	107	88	78	86	82
Puerto Rican ..	21	21	14	17	13	19	16	21	17	16	21	14	5	17
Yellow	17	16	12	20	9	16	8	2	1	1	0	0	0	1
Other	3	1	0	1	2	3	0	0	0	0	0	0	1	1
Unknown	17	9	9	6	5	14	17	6	2	5	3	3	3	3
All races	814	830	766	742	618	591	609	299	238	254	210	200	195	186

Total resident TB deaths: 1954=1,113, 1955=1,068, 1956=1,020, 1957 = 952, 1958=818, 1959=786, 1960=795.

*Cases removed from the roster with tuberculosis as the cause of death. Data for 1961 not available.

TUBERCULOSIS IN NEW YORK CITY BY SEX

Year	Deaths		New Cases		Known Active Cases†	
	Male	Female	Male	Female	Male	Female
1900	5,783	3,847	...	...	...	...
1950	1,718	603	4,854	2,863	11,648	7,411
1955	840	244	3,971	2,243	9,274	4,568
1960	615	195	3,124	1,575	6,017	2,672

Year	Death Rate*		New Case Rate*		Prevalence Rate§ December 31	
	Male	Female	Male	Female	Male	Female
1900	339.0	222.2	...	...	...	...
1950	45.0	14.8	127.1	70.4	3.0	1.8
1955	22.3	6.0	105.2	55.4	2.4	1.1
1960	16.5	4.8	84.0	38.8	1.6	0.7

*Deaths or New Cases during year per 100,000 population.

§Known active cases on Tuberculosis Register as of December 31 per 1,000 population.

†Active tuberculosis cases in register as of December 31.

Population: 1900 (M. = 1,705,705, F. = 1,731,497)

1960 (M. = 3,719,257, F. = 4,062,727)

(...) = data unavailable.

The difference in the sex ratio for persons with active tuberculosis on December 31, 1960 was particularly prominent for white persons. White males (3,387) contributed 77 percent of the cases and the white females (1,028) 23 percent. Among Negroes the males (1,808) were 63 percent, the females (1,081) 37 percent, among Puerto Ricans the males (484) 49 percent, females (497) 51 percent. Oriental males (121) had twelve times as much tuberculosis as females (10).

RECORDED TUBERCULOSIS DEATHS*
Mortality and Death Rates by Sex and Ethnic Group
New York City, Since 1950

Year:-	1950	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961	62
WHITE													
Male	1,262	1,087	855	676	607	629	535	554	454	388	415	366	376
Female ...	342	382	224	200	188	124	136	123	118	105	108	100	89
Both Sexes..	1,604	1,469	1,079	876	795	753	671	677	572	493	523	466	465
NONWHITE													
Male	456	421	354	289	219	211	184	213	178	185	200	198	192
Female ...	261	249	165	129	113	120	119	92	83	101	87	74	61
Both Sexes..	717	670	519	418	332	331	303	305	261	286	287	272	75
ALL RACES													
Male	1,718	1,508	1,209	965	826	840	719	767	632	573	615	564	568
Female ...	603	631	389	329	301	244	255	215	201	206	195	174	172
Both Sexes..	2,321	2,139	1,598	1,294	1,127	1,084	974	982	833	779	810	738	740

*Included are deaths occurring within New York City (residents, non-residents and persons of unknown address), exclusive of city residents who died out of town. In 1961 the Nonwhite deaths were: Negro, Male=185, Female=74, Other races, Male=13, Female=0.

TUBERCULOSIS DEATHS AND DEATH RATES, BY ETHNIC GROUP, NEW YORK CITY
Since 1950

Year:-	Deaths*				Death Rates†			
	White	Negro	Other	Total	White	Negro	Other	Total
1950	1,604	683	34	2,321	22.6	90.4	121.0	29.4
1951	1,469	632	38	2,139	20.8	80.7	131.8	27.2
1952	1,079	486	33	1,598	15.4	59.8	111.6	20.3
1953	876	392	26	1,294	12.6	46.6	85.8	16.4
1954	795	315	17	1,127	11.4	36.2	54.8	14.4
1955	753	312	19	1,084	10.9	34.7	59.8	13.9
1956	671	290	13	974	9.8	31.3	40.0	12.4
1957	677	282	23	982	10.0	29.4	66.2	12.6
1958	572	252	9	833	8.4	25.0	21.7	10.7
1959	493	272	14	779	7.4	25.8	29.0	10.0
1960	523	278	9	810	7.9	25.3	16.3	10.4
1961	466	259	13	738	7.0	23.8	24.3	9.4

*Deaths recorded within New York City (residents who died within city, non-residents, residence unknown), exclusive of city residents who died out of town. †Per 100,000 population.

TUBERCULOSIS DEATHS, NEW YORK CITY, 1957-1961
Residents, Non-Residents, Residence Unknown

Borough	Resident Deaths in City	Non-Residents	Residence Unknown	Total Recorded Within City
<u>1957</u>				
Manhattan	421	13	16	450
Bronx	128	4	4	136
Brooklyn	242	3	3	248
Queens	115	3	6	124
Richmond	12	2	10	24
NEW YORK CITY	918	25	39	982
<u>1958</u>				
Manhattan	345	5	8	358
Bronx	114	3	3	120
Brooklyn	206	7	2	215
Queens	110	3	1	114
Richmond	13	4	9	26
NEW YORK CITY	788	22	23	833
<u>1959</u>				
Manhattan	320	11	9	340
Bronx	93	2	1	96
Brooklyn	226	5	3	234
Queens	87	6	2	95
Richmond	9	0	5	14
NEW YORK CITY	735	24	20	779
<u>1960</u>				
Manhattan	358	8	6	372
Bronx	93	5	3	101
Brooklyn	219	3	2	224
Queens	88	7	5	100
Richmond	9	1	3	13
NEW YORK CITY	767	24	19	810
<u>1961</u>				
Manhattan	299	9	13	321
Bronx	84	7	2	93
Brooklyn	198	1	6	205
Queens	93	7	5	105
Richmond	13	0	1	14
NEW YORK CITY	687	24	27	738

Note: Deaths of city residents occurring out of town not included in above figures.

1962

MAN.

12

10

BX

41

3

BROOKL.

-

-

QUEENS

41

1

RICHMOND

1

-

NEW YORK CITY

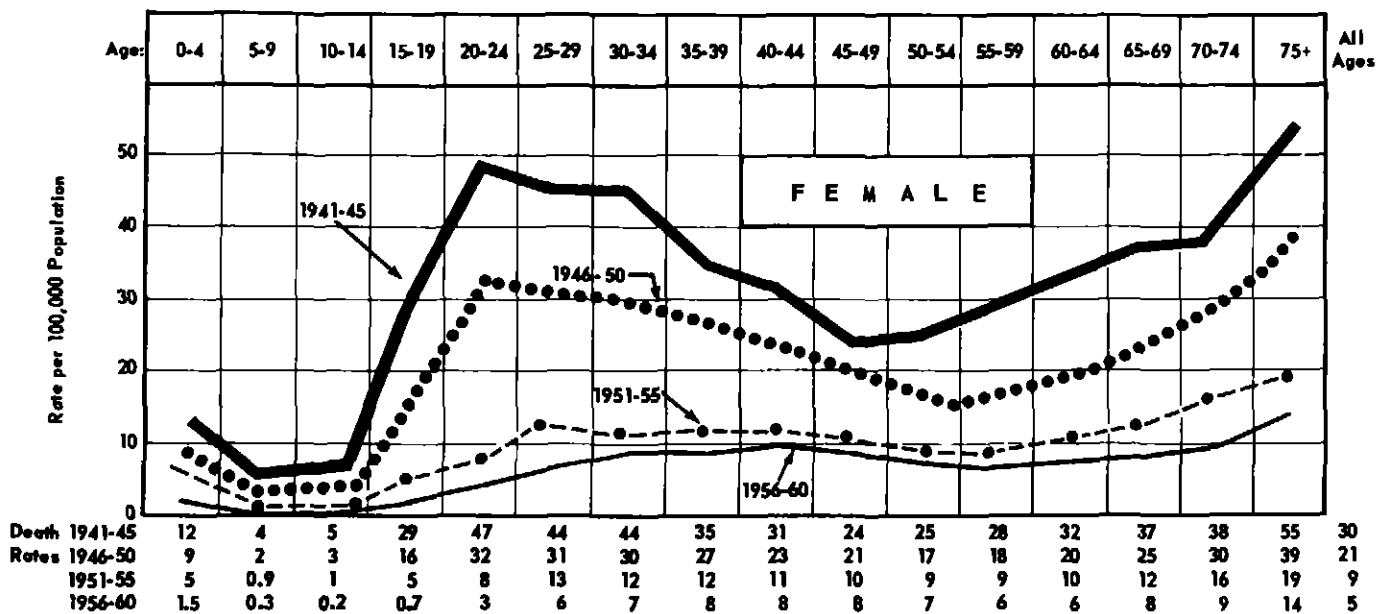
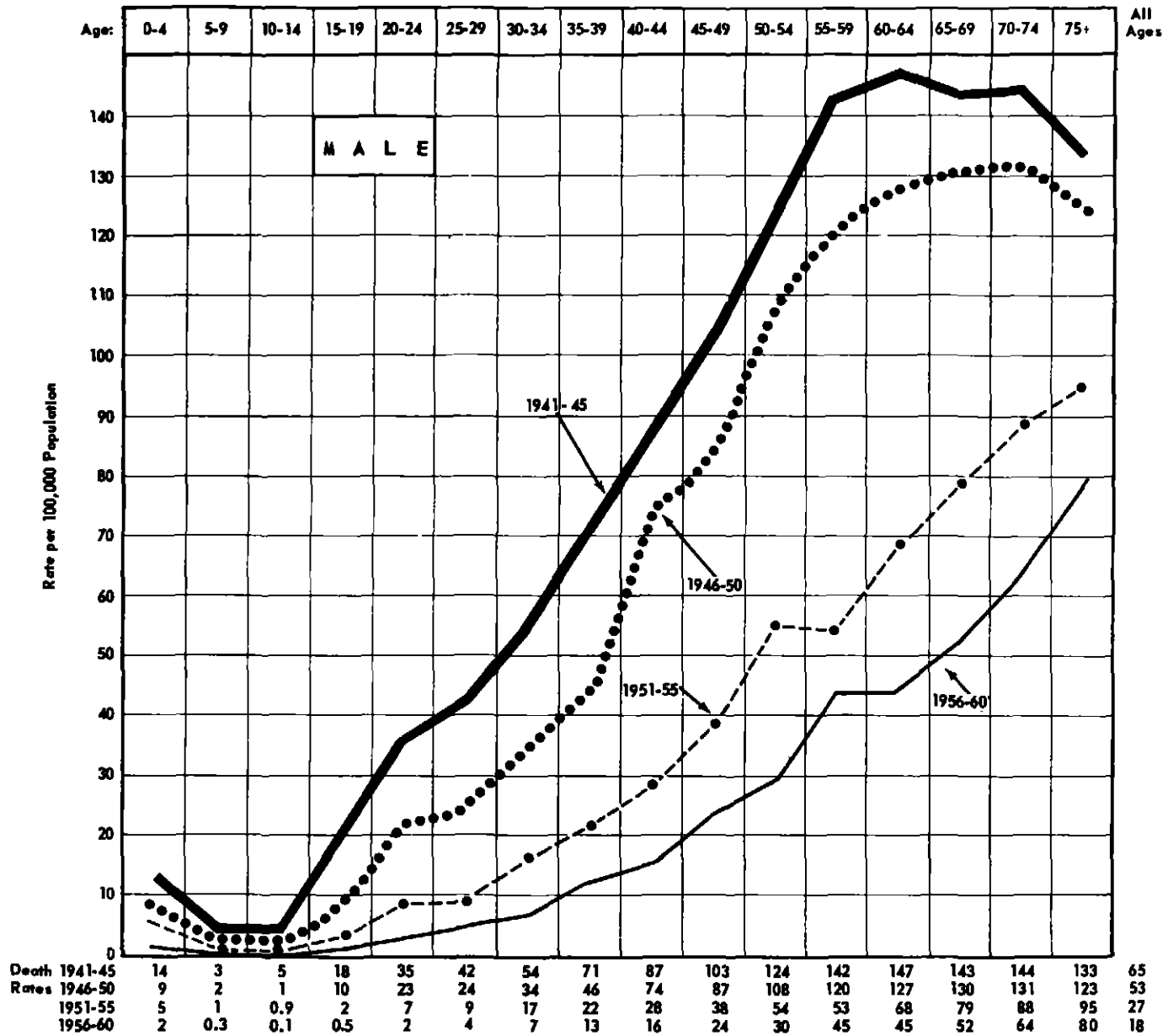
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TUBERCULOSIS DEATHS† BY AGE AND SEX, NEW YORK CITY, 1940, 1945, 1950-1961

Age:	0-4	5-	10-	15-	20-	25-	30-	35-	40-	45-	50-	55-	60-	65-	70-	75-	80-	85+	All Ages
MALES																			
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
1956	5	1	0	2	5	14	20	47	47	75	84	100	112	76	59	34	25	13	719
1957	9	0	1	1	6	14	21	33	56	82	91	117	96	89	70	40	28	13	767
1958	7	1	1	2	6	11	20	29	41	67	73	104	87	78	53	29	15	8	632
1959	5	2	0	1	4	4	26	29	31	50	77	93	77	72	47	29	18	8	573
1960	3	1	0	0	5	9	14	36	42	58	77	90	76	72	71	37	10	14	615
1961	2	1	0	1	1	17	9	35	51	42	78	88	65	60	43	39	26	6	564
FEMALES																			
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
1956	6	2	0	2	10	23	29	26	30	35	18	19	15	12	7	10	6	5	255
1957	5	1	0	3	9	22	21	23	38	25	24	9	11	9	8	3	1	3	215
1958	5	1	2	2	7	13	24	22	26	21	15	11	12	15	13	5	2	5	201
1959	7	0	0	0	7	12	18	28	14	26	22	14	14	15	10	9	4	6	206
1960	1	1	1	1	10	14	21	25	25	14	17	12	8	18	10	5	7	5	195
1961	2	0	2	1	1	2	17	20	22	22	15	17	17	13	6	8	5	4	174
BOTH SEXES																			
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
1956	11	3	0	4	15	37	49	73	77	110	102	119	127	88	66	44	31	18	974
1957	14	1	1	4	15	36	42	56	94	107	115	126	107	98	78	43	29	16	982
1958	12	2	3	4	13	24	44	51	67	88	88	115	99	93	66	34	17	13	833
1959	12	2	0	1	11	16	44	57	45	76	99	107	91	87	57	38	22	14	779
1960	4	2	1	1	15	23	35	61	67	72	94	102	84	90	81	42	17	19	810
1961	4	1	2	2	2	19	26	55	73	64	93	105	82	73	49	47	31	10	738

†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.

TUBERCULOSIS DEATH RATES, NEW YORK CITY
 Quinquennial Periods 1941-45, 1946-50, 1951-55, 1956-60



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

LEADING CAUSES OF DEATH, NEW YORK CITY, 1961

Rank†	Cause of Death‡	All Races		White		Nonwhite	
		Deaths	Rate*	Deaths	Rate*	Deaths	Rate*
1	Diseases of the heart	37,565	483	34,210	515	3,355	294
2	Malignant neoplasms	17,384	223	15,714	237	1,670	146
3	Vascular lesions, cent.nerv.syst.	6,246	80	5,543	83	703	62
4	Pneumonias, influenza	3,505	45	2,834	43	671	59
5	Diseases of early infancy	2,843	37	1,798	27	1,045	92
6	Accidents	2,545	33	2,070	31	475	42
7	Cirrhosis of liver	2,241	29	1,743	26	498	44
8	Diabetes mellitus	1,708	22	1,446	22	262	23
9	General arteriosclerosis	1,094	14	995	15	99	9
10	Congenital malformations	929	12	767	12	162	14
11	Diseases, stomach, duodenum	842	11	761	11	81	7
12	Suicides	818	11	710	11	108	9
13	Tuberculosis	738	9	466	7	272	24
-	Other (remaining) causes	8,397	..	6,519	..	1,878	..
	All Causes	86,855	1,116	75,576	1,138	11,279	988

†Rank for all races. ‡Causes of death, International List (7th 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) Influenza and pneumonia, except pneumonia of newborn, 480-493; (5) Certain diseases of early infancy, 750-776; (6) Accidents, 800-962; (7) Cirrhosis of the liver, 581; (8) Diabetes mellitus, 260; (9) General arteriosclerosis, 450; (10) Congenital malformations, 750-759; (11) Diseases of stomach and duodenum, 540-545; (12) Suicides, 963; 970-979; (13) Tuberculosis, all forms, 001-019. (Numerals refer to category digets in international classification.)

TUBERCULOSIS MORTALITY ACCORDING TO AGE
New York City, 1961

Age Group	Respiratory System		Other Forms		All Forms	
	Deaths	Rate*	Deaths	Rate*	Deaths	Rate*
0-14	2	0.1	5	0.3	7	0.4
15-24	3	0.3	1	0.1	4	0.4
25-44	155	7.3	18	0.8	173	8.1
45-64	330	16.4	14	0.7	344	17.1
65+	198	24.3	12	1.5	210	25.8
All ages ...	688	8.8	50	0.6	738	9.4

TUBERCULOSIS MORTALITY BY SEX AND RACE
New York City, 1961

Sex	White		Nonwhite		All Races	
	Deaths	Rate*	Deaths	Rate*	Deaths	Rate*
Male	366	11.4	198	37.4	564	15.2
Female	100	2.9	74	12.1	174	4.3
Both Sexes..	466	7.0	272	23.8	738	9.4

*Per 100,000 population. April 1, 1960: Total 7,781,984 (white=6,640,602, Nonwhite=1,141,322).

DEATHS FROM LEADING INFECTIOUS AND PARASITIC DISEASES,
PNEUMONIA AND INFLUENZA
New York City, 1956-1961

Disease	Deaths, 1956-1960			1961	
	Total	Annual Average		Deaths	Rate†
		Deaths	Rate†		
Pneumonia, bacterial and all other forms	16,954	3,391	43.6	3,466	44.5
Tuberculosis, all forms	4,378	876	11.2	738	9.4
Syphilis and its sequelae	591	118	1.5	107	1.4
Influenza	338	68	0.9	39	0.5
Infectious hepatitis	218	44	0.6	46	0.6
Meningococcal infections	133	27	0.3	29	0.4
Septicemia and pyemia	120	24	0.3	27	0.3
Acute infectious encephalitis	91	18	0.23	11	0.14
Late effects, acute encephalitis...	18	4	0.04	7	0.08
Acute poliomyelitis	40	8	0.1	2	0.02
Late effects, acute poliomyelitis..	21	4	0.05	4	0.05
Diseases ascribed to viruses	32	6	0.08	7	0.10
Chickenpox	25	5	0.06	4	0.05
Streptococcal sore throat	19	4	0.04	1	0.01
Gonococcal infection	18	4	0.04	3	0.03
Paratyphoid fev., other salmonella inf.	11	2	0.03	8	0.10
Other bacterial diseases	11	2	0.03	1	0.01
Whooping cough	10	2	0.03	0	--
Dysentery, all forms	9	2	0.02	5	0.06
Typhoid fever	7	1	0.02	0	--
Erysipelas	4	..	--	1	0.01
Other venereal diseases	3	..	--	1	0.01
Scarlet fever	3	..	--	0	--
Spirochetal dis., except syphilis ...	2	..	--	1	0.01
Food poisoning	1	..	--	0	--
Diphtheria	1	..	--	0	--
Malaria	1	..	--	1	0.01
All other, infectious, parasitic ...	127	25	0.3	36	0.46

(..) = Average less than 1 per year. †Per 100,000 population.

SELECTED VITAL STATISTICS BY HEALTH CENTER DISTRICTS
New York City, 1960
Part A - Live Births, Infant Deaths, Leading Causes of Death

Health Center DISTRICT	Live Births	Infant Deaths Under 1 year	Selected Causes of Death (†)							Deaths All Causes		Total
			Cardio-vascular Renal	Malignant Neoplasms	Pneumonia, Influenza	Accidents All types	Diabetes Mellitus	Tuberculosis	White	Non-white		
Central Harlem	6,057	296	1,247	485	166	115	75	94	175	2,866	3,041	
East Harlem	4,416	138	920	266	82	61	38	30	1,418	379	1,797	
Kips Bay-Yorkville ..	2,117	49	1,599	551	130	71	44	17	2,814	82	2,896	
Lower East Side	5,037	146	1,733	574	135	129	54	71	3,279	238	3,517	
Lower West Side	3,424	116	1,935	676	180	153	37	67	3,487	272	3,759	
Riverside	5,389	176	1,787	587	145	126	49	50	2,884	468	3,352	
Washington Heights ..	4,384	107	1,694	611	97	84	43	29	2,358	628	2,986	
MANHATTAN:	30,824	1,028	10,915	3,950	935	739	340	358	16,415	4,933	21,348	
Fordham-Riverdale ..	3,702	68	1,518	528	110	56	47	11	2,542	30	2,572	
Morrisania	6,152	176	1,334	485	133	66	84	23	1,981	646	2,627	
Mott Haven	5,636	156	875	289	77	85	34	26	1,507	258	1,765	
Felham Bay	2,950	52	961	333	64	28	55	8	1,569	108	1,677	
Tremont	4,799	125	1,659	945	92	57	82	18	3,077	177	3,254	
Westchester	4,509	91	1,328	546	96	49	70	7	2,429	58	2,487	
BRONX:	27,748	668	7,675	3,126	572	341	372	93	13,105	1,277	14,382	
Bay Ridge	5,296	91	1,687	629	114	54	67	6	2,915	11	2,926	
Bedford	7,645	282	1,478	494	165	93	71	48	1,498	1,476	2,974	
Brownsville	6,979	183	1,605	536	125	76	81	16	2,589	264	2,853	
Bushwick	5,272	147	1,471	381	114	61	52	23	2,231	245	2,476	
Flatbush	8,064	144	2,918	999	179	117	98	25	4,831	67	4,898	
Fort Greene	5,582	221	1,064	328	136	79	34	32	1,480	674	2,154	
Gravesend	5,299	110	1,727	566	80	58	71	14	2,797	66	2,863	
Red Hook-Gowanus ..	3,880	116	883	286	97	51	37	14	1,580	134	1,714	
Sunset Park	3,617	81	1,229	363	76	57	52	15	2,073	13	2,086	
Wmsbrg-Greenpoint ..	4,709	134	1,013	295	89	60	48	26	1,778	92	1,870	
BROOKLYN:	56,343	1,509	15,075	4,877	1,195	706	611	219	23,772	3,042	26,814	
Astoria-L.I.City	4,634	98	1,357	536	117	65	43	11	2,426	62	2,488	
Corona	4,388	93	1,126	463	105	59	42	9	1,941	182	2,123	
Flushing	7,809	147	1,942	649	91	93	52	14	3,191	93	3,284	
Jamaica East	5,719	144	1,364	489	123	87	43	25	1,930	616	2,546	
Jamaica West	6,390	146	1,875	614	101	92	49	12	3,045	130	3,175	
Maspeth-Forest Hills	5,059	81	1,686	684	81	65	46	17	2,959	12	2,971	
QUEENS:	33,999	709	9,350	3,435	618	461	275	88	15,492	1,095	16,587	
RICHMOND:	4,482	98	1,261	448	106	60	42	9	2,181	89	2,270	
N.Y.CITY RESIDENTS ..	153,396	4,012	44,276	15,836	3,426	2,307	1,640	767	70,965	10,436	81,401	
Non-Residents	11,574	291	1,610	1,282	128	244	41	24	4,034	200	4,234	
Residence unknown ..	1,330	25	225	45	43	107	6	19	455	162	617	
NEW YORK CITY TOTAL:	166,300	4,328	46,111	17,163	3,597	2,658	1,687	810	75,454	10,798	86,252	

(†)According to rank for city. Cardiovascular Renal=46,111 (Vascular lesions=6,091, Rheumatic fever and heart=1,316, Arteriosclerotic and degenerative heart=31,890, Hypertensive disease=4,259, Arteriosclerosis=1,162, Chronic nephritis=456), Malignant neoplasms=17,163 (Gastrointestinal=6,446, Respiratory=2,768, Breast=1,632, Female genital=1,274, Male genital=653, Other sites=2,813, Lymphatic and hematopoietic=1,577), Pneumonias, all forms=3,560, Influenza=37, Accidents=2,658 (Motor vehicle=607, Home=939, others=1,112).

Note: For populations by Health Center Districts and ethnic groups see pages 42 to 56 .

SELECTED VITAL STATISTICS BY HEALTH CENTER DISTRICTS

New York City, 1960

Part B - Rates for: Live Births, Infant Deaths, Leading Causes of Death

Health Center DISTRICT	Live Births (†)	Infant Deaths Under 1 yr. (‡)	Selected Causes, Death Rate per 100,000 Population							Deaths All Causes		
			Cardio-vascular Renal	Malignant Neoplasms	Pneumonia, Influenza	Accidents All types	Diabetes Mellitus	Tuber-culosis	Crude Rate per 1000 (†)		Total	
								White	Non-white			
Central Harlem	26.0	48.9	535.7	208.3	71.3	49.4	32.2	40.4	14.2	13.0	13.1	
East Harlem	24.8	31.3	517.5	149.6	46.1	34.3	21.4	16.9	10.4	9.1	10.1	
Kips Bay-Yorkville ..	9.8	23.1	743.1	256.1	60.4	33.0	20.4	7.9	13.3	21.4	13.4	
Lower East Side	18.5	29.0	637.4	284.7	49.7	47.4	19.9	26.1	13.4	8.6	12.9	
Lower West Side	13.0	33.9	736.4	257.3	68.5	58.2	14.1	25.4	14.3	13.9	14.3	
Riverside	20.1	32.7	665.3	218.5	54.0	46.9	18.2	18.6	13.1	9.7	12.4	
Washington Heights ..	16.3	24.4	629.1	226.9	36.0	31.2	16.0	10.8	11.5	9.7	11.1	
MANHATTAN:	18.2	33.4	642.7	232.6	55.1	43.5	20.0	21.1	12.9	11.6	12.6	
Fordham-Riverdale ..	16.0	18.4	654.5	227.7	47.4	24.1	20.3	4.7	11.2	7.4	11.1	
Morrisania	23.4	28.6	508.3	184.8	50.7	25.1	32.0	8.8	10.6	8.6	10.0	
Mott Haven	25.2	27.7	391.1	129.2	34.4	38.0	15.2	11.6	8.3	6.2	7.9	
Pelham Bay	16.0	17.6	521.0	180.5	34.7	15.2	29.8	4.3	9.4	5.7	9.1	
Tremont	18.2	26.0	630.1	358.9	34.9	21.6	31.1	6.8	12.4	11.2	12.4	
Westchester	17.4	20.2	512.7	210.8	37.1	18.9	27.0	2.7	9.9	4.4	9.6	
BRONX:	19.4	24.1	538.7	219.4	40.1	23.9	26.1	6.5	10.4	7.6	10.1	
Bay Ridge	18.2	17.2	580.9	216.6	39.3	18.6	23.1	2.1	10.1	6.9	10.1	
Bedford	26.7	36.9	515.4	172.3	57.5	32.4	24.8	16.7	12.7	8.8	10.4	
Brownsville	23.4	26.2	537.7	179.6	41.9	25.4	27.1	5.4	10.1	6.1	9.6	
Bushwick	24.3	27.9	678.7	175.8	52.6	28.1	24.0	10.6	12.3	6.9	11.4	
Flatbush	17.0	17.9	613.4	210.0	37.6	24.6	20.6	5.3	10.3	9.4	10.3	
Fort Greene	25.9	39.6	494.2	152.3	72.4	36.7	15.8	14.9	11.3	8.0	10.0	
Gravesend	17.9	20.8	582.6	190.9	27.0	19.6	24.0	4.7	9.6	12.0	9.7	
Red Hook-Gowanus ...	23.9	29.9	544.6	176.4	59.8	31.4	22.8	8.6	11.2	6.4	10.6	
Sunset Park	18.8	22.4	637.8	188.4	39.4	29.6	27.0	7.8	10.8	11.6	10.8	
Wmsbrg-Greenpoint ..	24.4	28.4	525.8	153.1	46.2	31.1	24.9	13.4	10.0	6.5	9.7	
BROOKLYN:	21.4	26.8	573.8	185.6	45.4	26.9	23.3	8.3	10.6	8.0	10.2	
Astoria-L.I.City ...	18.1	21.1	531.2	209.8	45.8	25.4	16.8	4.3	10.0	5.3	9.7	
Corona	20.1	21.2	516.6	212.4	48.2	27.1	19.3	4.1	9.9	8.0	9.7	
Flushing	17.3	18.8	429.4	143.5	20.1	20.6	11.4	3.1	7.2	8.7	7.3	
Jamaica East	19.4	25.2	465.0	166.7	41.9	29.7	14.7	8.5	9.4	6.8	8.7	
Jamaica West	20.7	22.8	606.7	198.7	32.7	29.8	15.9	3.9	10.4	7.4	10.3	
Maspeth-Forest Hills	18.0	16.0	598.9	243.0	28.8	23.1	16.3	6.0	10.6	6.5	10.6	
QUEENS:	18.8	20.9	516.7	189.8	34.2	25.4	15.2	4.9	9.4	7.1	9.2	
RICHMOND:	20.2	21.9	568.0	201.8	47.7	27.0	18.9	4.1	10.3	8.7	10.2	
NEW YORK CITY:	21.4	26.0	592.5	220.5	46.2	34.2	21.7	10.4	11.4	9.4	11.1	

†Per 1,000 population. ‡Per 1,000 live births.

TUBERCULOSIS MORTALITY IN THE UNITED STATES, 1961
(Estimated Deaths and Death Rates)

TUBERCULOSIS DEATHS AND DEATH RATES BY AGE

Age Group	Respiratory		Other forms		All forms	
	Number	Rate*	Number	Rate*	Number	Rate*
0 - 1 ..	10	0.2	10	0.2	20	0.5
1 - 14 ..	40	0.1	100	0.2	140	0.3
15 - 24 ..	70	0.3	10	0.0	80	0.3
25 - 34 ..	340	1.5	60	0.3	400	1.8
35 - 44 ..	1,150	4.7	90	0.4	1,240	5.1
45 - 54 ..	1,800	8.6	100	0.5	1,900	9.1
55 - 64 ..	2,060	13.0	120	0.8	2,180	13.8
65 - 74 ..	2,310	20.7	130	1.2	2,440	21.9
75 - 84 ..	1,590	32.6	90	1.8	1,680	34.4
85+	360	37.3	30	3.1	390	40.4
Total	9,730	5.3	740	0.4	10,470	5.7

*Per 100,000 population. Included are deaths occurring within the United States, including Alaska and Hawaii, and excluded are deaths among the Armed Forces abroad, and deaths among American nationals visiting or stationed abroad. Deaths of foreign residents that occurred in the United States are included.

TUBERCULOSIS DEATHS AND DEATH RATES, BY COLOR AND SEX

Color Sex	Respiratory		Other forms		All forms	
	Number	Rate*	Number	Rate*	Number	Rate*
WHITE						
Male	5,470	6.9	180	0.2	5,650	7.1
Female ...	1,860	2.3	240	0.3	2,100	2.6
Both Sexes	7,330	4.5	420	0.3	7,750	4.8
NONWHITE						
Male	1,560	15.2	180	1.8	1,740	17.0
Female ...	840	7.7	140	1.3	980	9.0
Both Sexes	2,400	11.4	320	1.5	2,720	12.9
ALL RACES						
Male	7,030	7.8	360	0.4	7,390	8.2
Female ...	2,700	2.9	380	0.4	3,080	3.3
Both Sexes	9,730	5.3	740	0.4	10,470	5.7

*Per 100,000 population. (Ref.p)

Note: The above data are based on a 10-percent systematic sample of the death certificates received monthly during 1961 in the vital statistics offices of the 50 States, the District of Columbia, and 3 independent registration cities (Baltimore, New Orleans, and New York).