

# PREVALENCE

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### KNOWN PREVALENCE OF TUBERCULOSIS HEALTH CENTER DISTRICTS AND HEALTH AREAS

ON December 31, 1961, there were 6,842 persons with known active tuberculosis in New York City according to the Department of Health's census of the Health District Registers, or an average of less than one case (0.87) per 1,000 population. The prevalence rates by boroughs were: Manhattan 1.96, Bronx 0.69, Brooklyn 0.65, Queens 0.41, and Richmond 0.28. The intensity with which tuberculosis strikes varies in different parts of town. High rates prevailed especially in Central Harlem (4.24), Lower East Side (3.26), Lower West Side (2.03), Riverside (1.57), Mott Haven (1.46), Red Hook-Gowanus (1.25), Bedford (1.24), Fort Greene (1.16). It may be noted that Central Harlem (4.24) had a known prevalence rate almost five times that prevailing for the city (0.87) as a whole. Rates in eleven of the thirty health center districts exceeded the average city rate.

The City of New York is divided into 346 health areas<sup>(†)</sup> for which units selected vital statistics are tabulated annually by the Department of Health. Past experience and current data on new cases and deaths suggest that practically all of these smaller neighborhoods, to a greater or lesser degree, have residents with active tuberculosis. Tuberculosis therefore, is a disease that exists throughout all segments of New York and appears to be at least a potential threat to every resident of the city. Due to differences in concentration of people with the disease there is consequently a greater probability of exposure to infection with tuberculosis in one part of town than it is in another. Because of daily internal movement of the population some ambulatory patients with disease not yet arrested, in that they may have a positive sputum, can occasionally carry tuberculosis to other parts of the city.

One half of the people known currently to have active tuberculosis are in a sense isolated from daily community life by being hospitalized. Most of the remainder, although under medical care and supervision, are free to come and go at will.

Each year over four thousand new people break down with tuberculosis and of these on any given day perhaps hundreds, no doubt without personally realizing it, have opportunities to infect others. This view is given substance by the fact that each week an average of 80 persons, previously not known to have had tuberculosis, are found with active disease.

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<sup>(†)</sup>Health Areas are units created prior to the 1930 Census which were to form population units of about 25,000 persons. At present there are 346 health areas with defined boundaries but with wide range in the population included. In 1960 the average population in the 346 health areas was 22,491 persons. There are 30 health center districts which are administrative units made up of health areas.

KNOWN PREVALENCE OF TUBERCULOSIS IN NEW YORK CITY  
(Total known active cases in register as of December 31, 1961)

Health Center DISTRICT	Population# April 1, 1960	In Hospitals or Sanatoria*	Ambulant Cases	Total in Register	Prevalence per 1,000†
Central Harlem .....	232,792	421	565	986	4.24
East Harlem .....	177,765	105	110	215	1.21
Kips Bay-Yorkville..	215,192	47	48	95	0.44
Lower East Side .....	271,896	517	365	882	3.26
Lower West Side .....	262,751	392	136	528	2.03
Riverside .....	268,608	190	233	423	1.57
Washington Heights..	269,277	80	105	185	0.68
<b>MANHATTAN: .....</b>	<b>1,698,281</b>	<b>1,752</b>	<b>1,562</b>	<b>3,314</b>	<b>1.96</b>
Fordham-Riverdale ..	231,931	37	33	70	0.30
Morrisania .....	262,436	152	163	315	1.20
Mott Haven .....	223,703	195	133	328	1.46
Pelham Bay .....	184,451	16	29	45	0.24
Tremont .....	263,295	65	83	148	0.56
Westchester .....	258,999	33	51	84	0.32
<b>BRONX: .....</b>	<b>1,424,815</b>	<b>498</b>	<b>492</b>	<b>990</b>	<b>0.69</b>
Bay Ridge .....	290,395	34	54	88	0.30
Bedford .....	286,764	189	167	356	1.24
Brownsville .....	298,473	104	123	227	0.75
Bushwick .....	216,744	71	93	164	0.75
Flatbush .....	475,715	27	58	85	0.17
Fort Greene .....	215,314	128	122	250	1.16
Gravesend .....	296,430	27	50	77	0.25
Red Hook-Gowanus ...	162,125	94	109	203	1.25
Sunset Park .....	192,702	39	58	97	0.50
Wmsbrg-Greenpoint ..	192,657	93	83	176	0.91
<b>BROOKLYN: .....</b>	<b>2,627,319</b>	<b>806</b>	<b>917</b>	<b>1,723</b>	<b>0.65</b>
Astoria-L.I.City ...	255,464	61	74	135	0.52
Corona .....	217,984	48	48	96	0.43
Flushing .....	452,204	70	40	110	0.24
Jamaica East .....	293,342	79	116	195	0.66
Jamaica West .....	309,061	60	73	133	0.42
Maspeth-For.Hills ..	281,523	27	56	83	0.29
<b>QUEENS: .....</b>	<b>1,809,578</b>	<b>345</b>	<b>407</b>	<b>752</b>	<b>0.41</b>
<b>RICHMOND: .....</b>	<b>221,991</b>	<b>35</b>	<b>28</b>	<b>63</b>	<b>0.28</b>
<b>NEW YORK CITY: .....</b>	<b>7,781,984</b>	<b>3,436</b>	<b>3,406</b>	<b>6,842</b>	<b>0.87</b>

\*Includes 9 persons out of town, not in sanatoria. †On December 31, 1961.  
‡Federal Census, U.S. Bureau of the Census.

The known prevalence of active cases per 1,000 population was 2.44 in 1950, 1.77 in 1955, and 0.87 in 1961. This decline in the rate was 64 per cent during the 1950 to 1961 period.



POPULATION AND TUBERCULOSIS  
By Health Center Districts and Health Areas  
New York City, 1960-1961

MANHATTAN - Part A

Health Center District	Population April 1, 1960					TUBERCULOSIS				
						Resident Deaths Within City		New Cases Reported		Annual Average New Case Rate* 1960-61
	Total All Races	White	Negro	Other	Puerto Rican †	1960	1961	1960	1961	
<b>CENTRAL HARLEM</b>										
8.00 .....	31,871	302	31,469	100	262	13	12	58	47	164.7
10.00 .....	22,141	85	21,953	103	91	10	19	75	60	304.9
12.00 .....	22,346	709	21,599	38	642	9	13	64	43	239.4
13.00 .....	17,089	105	16,941	43	44	9	8	47	56	301.4
15.00 .....	23,654	260	23,289	105	164	13	12	71	57	270.6
16.00 .....	33,155	7,207	25,678	270	5,238	9	9	77	41	178.0
19.00 .....	20,177	521	19,581	75	735	7	11	48	55	255.2
24.00 .....	23,798	2,773	20,930	95	2,532	11	5	60	30	189.1
85.10 .....	14,468	66	14,337	65	85	1	9	29	32	210.8
85.20 .....	24,093	325	23,701	67	215	12	6	52	43	197.2
	232,792	12,353	219,478	961	10,008	94	104	581	464	224.4
<b>EAST HARLEM</b>										
17.00 .....	19,764	14,588	5,037	139	7,496	5	3	14	15	146.7
20.00 .....	22,014	8,705	13,259	50	8,291	6	5	36	28	145.4
21.00 .....	29,470	25,775	3,599	96	11,230	2	2	27	29	95.0
25.00 .....	19,160	15,465	3,639	56	13,424	2	4	23	23	120.0
26.00 .....	25,491	18,149	7,251	91	12,256	4	2	28	30	113.8
28.00 .....	40,509	33,835	6,338	336	12,574	7	7	10	35	55.5
33.00 .....	17,812	16,723	949	140	2,048	4	1	15	6	58.9
84.00 .....	3,545	2,888	647	10	338	0	0	0	0	..
	177,765	136,128	40,719	918	67,657	30	24	168	166	93.9
<b>KIPS BAY-YORKVILLE</b>										
36.00 .....	32,217	31,640	422	155	90	0	1	5	2	10.9
37.00 .....	19,526	19,278	137	111	245	2	4	7	7	35.8
38.00 .....	22,575	22,371	89	115	116	3	2	14	9	50.9
41.00 .....	22,683	22,347	242	94	42	0	2	2	5	15.4
42.00 .....	18,918	18,754	49	115	227	2	0	5	9	37.0
43.00 .....	15,882	15,733	53	96	211	3	3	15	9	75.6
44.00 .....	13,314	12,883	268	163	300	0	0	4	1	18.8
48.00 .....	18,677	18,395	171	111	62	3	1	5	5	26.8
49.00 .....	21,831	21,520	97	214	73	1	1	3	9	27.4
50.00 .....	25,943	25,644	91	208	353	3	1	14	9	44.3
83.00 .....	3,626	2,807	756	63	173	0	0	0	0	..
	215,192	211,372	2,375	1,445	1,892	17	15	74	65	32.3

See map for health area boundaries, page 45. \*Per 100,000 population. †Puerto Ricans distributed among white and Negro population.

POPULATION AND TUBERCULOSIS  
By Health Center Districts and Health Areas  
New York City, 1960-1961

MANHATTAN - Part B

Health Center District	Population April 1, 1960					TUBERCULOSIS				
						Resident Deaths Within City		New Cases Reported		Annual Average New Case Rate*
	Total All Races	White	Negro	Other	Puerto Rican †	1960	1961	1960	1961	
<b>LOWER EAST SIDE</b>										
53.00 .....	19,370	18,938	236	196	647	5	3	25	19	113.6
58.00 .....	16,075	15,429	256	390	3,014	6	2	28	31	183.5
59.00 .....	12,549	12,035	243	271	938	5	3	12	15	107.6
60.00 .....	30,142	29,770	279	93	64	2	0	23	29	86.3
62.00 .....	22,299	20,994	694	611	5,084	5	4	28	35	118.8
63.00 .....	15,922	13,480	2,210	232	5,539	0	1	26	16	131.9
65.00 .....	21,564	19,806	1,179	579	4,499	20	12	269	228	1,152.4
66.00 .....	20,518	19,141	736	641	3,988	5	5	30	22	126.7
67.00 .....	17,496	16,389	911	196	5,510	1	0	23	33	160.0
74.00 .....	39,284	33,186	1,773	4,325	5,451	15	8	34	37	90.4
76.00 .....	34,192	28,724	5,034	434	10,178	4	6	27	29	81.9
78.00 .....	26,452	21,066	2,969	2,417	6,418	1	2	24	14	71.8
80.00 .....	13,529	11,560	1,815	154	4,170	2	0	13	12	92.4
	271,896	244,129	17,424	10,343	55,500	71	46	562	520	199.0
<b>LOWER WEST SIDE</b>										
39.00 .....	17,493	14,445	2,875	173	1,930	4	0	6	7	37.2
40.00 .....	26,815	25,285	1,160	370	1,793	3	2	22	7	54.1
45.00 .....	15,893	15,588	192	113	1,840	3	3	15	15	94.4
46.00 .....	11,583	11,244	193	146	1,085	5	0	4	6	43.2
47.00 .....	30,118	28,285	1,327	506	2,763	8	4	29	22	84.7
52.00 .....	26,299	24,841	1,204	254	3,480	7	8	51	40	173.0
55.00 .....	10,533	9,304	1,125	104	2,236	3	3	16	18	161.4
56.00 .....	27,906	26,972	655	279	6,468	2	4	48	34	146.9
57.00 .....	29,013	28,172	662	179	344	9	8	34	32	113.7
61.00 .....	15,433	14,728	605	100	311	3	0	10	6	51.8
64.00 .....	18,227	17,710	386	131	379	0	2	1	9	27.4
68.00 .....	22,880	20,890	244	1,746	1,791	10	11	46	32	170.4
77.00 .....	9,338	4,526	777	4,035	132	10	7	43	30	390.9
81.00 .....	1,207	1,127	57	23	13	0	0	0	0	..
82.00 .....	13	13	0	0	0	0	0	0	0	..
	262,751	243,130	11,462	8,159	24,565	67	52	325	258	110.9

See map for health area boundaries, page 45. \*Per 100,000 population. †Puerto Ricans distributed among white and Negro population.

POPULATION AND TUBERCULOSIS  
By Health Center Districts and Health Areas  
New York City, 1960-1961

MANHATTAN - Part C

Health Center District — Health Area	Population April 1, 1960					TUBERCULOSIS				
	Total All Races	White	Negro	Other	Puerto Rican †	Resident Deaths Within City		New Cases Reported		Annual Average New Case Rate* 1960-61
						1960	1961	1960	1961	
<b>RIVERSIDE</b>										
11.00 .....	12,053	4,212	7,739	102	2,817	6	1	23	20	178.4
14.00 .....	18,699	10,602	7,342	755	3,711	2	1	16	16	85.6
18.00 .....	16,909	14,694	1,499	716	519	0	2	11	9	59.1
23.10 .....	23,156	20,505	1,654	997	2,212	3	2	8	16	51.8
23.20 .....	12,244	9,548	2,461	235	4,476	3	2	21	19	163.3
31.10 .....	35,970	30,215	4,789	966	3,721	10	5	37	32	95.9
31.20 .....	23,562	22,136	1,114	312	1,186	3	0	11	11	46.7
32.10 .....	31,756	24,440	6,832	484	10,438	8	5	41	33	116.5
32.20 .....	27,775	24,595	2,889	291	6,856	9	8	35	24	106.2
34.00 .....	31,892	29,576	1,870	446	1,868	3	3	26	14	62.7
35.00 .....	34,592	29,905	4,214	473	5,416	3	5	46	36	118.5
	268,608	220,428	42,403	5,777	43,220	50	34	275	230	94.0
<b>WASHINGTON HEIGHTS</b>										
1.10 .....	25,313	24,129	1,135	49	495	2	1	9	5	27.7
1.20 .....	23,731	22,115	1,475	141	688	0	0	11	6	35.8
2.10 .....	25,246	24,436	732	78	1,753	5	2	16	7	45.6
2.21 .....	22,607	22,311	116	180	580	2	4	8	8	35.4
2.22 .....	18,000	17,923	47	30	37	2	0	1	2	8.3
3.00 .....	21,490	21,130	257	103	1,083	1	0	4	7	25.6
4.00 .....	26,366	24,349	1,909	108	4,479	1	2	15	9	45.5
5.00 .....	26,061	16,807	9,109	145	2,695	1	1	15	18	63.3
6.10 .....	15,780	7,489	8,163	128	1,673	2	1	12	10	69.7
6.20 .....	18,299	5,221	12,893	185	1,721	5	4	13	20	90.2
7.10 .....	9,382	69	9,258	55	41	1	1	13	8	111.9
7.20 .....	14,617	323	14,244	50	124	4	8	24	16	136.8
9.00 .....	22,385	17,980	3,902	503	7,428	3	0	15	13	62.5
	269,277	204,282	63,240	1,755	22,797	29	24	156	129	52.9
<b>MANHATTAN</b>										
Total .....	1,698,281	1,271,822	397,101	29,358	225,639	358	299	2,141	1,832	117.0

See map for health area boundaries, page 45. \*Per 100,000 population. †Puerto Ricans distributed among white and Negro population.



**HEALTH AREAS-1960**  
**BOROUGH OF MANHATTAN**  
 PREPARED BY  
 DEPARTMENT OF CITY PLANNING  
 CITY OF NEW YORK  
 PLANNING MAP NO. 111 NOVEMBER 1960



POPULATION AND TUBERCULOSIS  
By Health Center Districts and Health Areas  
New York City, 1960-1961

BRONX - Part A

Health Center District — Health Area	Population April 1, 1960					TUBERCULOSIS				
	Total All Races	White	Negro	Other	Puerto Rican †	Resident Deaths Within City		New Cases Reported		Annual Average New Case Rate* 1960-61
						1960	1961	1960	1961	
<b>FORDHAM-RIVERDALE</b>										
1.00 .....	20,255	19,781	128	346	74	3	0	4	2	14.8
2.00 .....	24,479	23,952	283	244	117	0	0	5	2	14.3
3.10 .....	21,425	21,230	118	77	142	2	2	1	3	9.3
3.20 .....	28,001	27,177	648	176	143	1	1	9	4	23.2
4.10 .....	31,242	30,930	239	73	109	2	2	3	4	11.2
4.20 .....	29,301	29,138	96	67	170	0	0	5	6	18.8
9.00 .....	33,948	33,588	240	120	382	2	1	7	10	25.0
10.00 .....	23,345	22,379	903	63	1,010	1	3	9	13	47.1
11.00 .....	19,935	19,707	202	26	338	0	1	5	4	22.6
	231,931	227,882	2,857	1,192	2,485	11	10	48	48	20.7
<b>MORRISANIA</b>										
21.10 .....	17,967	17,192	706	69	1,774	0	1	5	8	36.2
21.20 .....	15,825	13,099	2,648	78	5,822	1	3	14	14	88.4
25.00 .....	27,808	24,204	3,522	82	1,942	2	1	15	7	39.6
26.00 .....	18,705	6,103	12,569	33	4,024	0	3	11	27	101.6
27.00 .....	24,412	12,341	12,010	61	7,573	7	0	34	35	141.3
28.00 .....	18,093	9,594	8,426	73	6,764	1	1	16	32	132.6
29.00 .....	27,092	22,968	4,025	99	12,402	2	2	18	24	77.5
33.10 .....	24,139	22,779	1,311	49	638	2	1	12	5	35.2
33.20 .....	32,450	30,556	1,819	75	796	0	1	13	9	33.9
34.00 .....	12,081	8,092	3,908	81	2,996	4	0	16	14	124.2
35.00 .....	22,606	3,903	18,649	54	2,710	3	2	14	20	75.2
36.00 .....	21,258	16,687	4,501	70	12,980	1	1	30	38	159.9
	262,436	187,518	74,094	824	60,421	23	16	198	233	82.1
<b>MOTT HAVEN</b>										
37.00 .....	22,154	15,761	6,305	88	11,685	4	7	37	20	128.6
38.00 .....	23,808	17,721	6,023	64	3,903	1	2	10	16	54.6
39.00 .....	18,084	14,965	3,042	77	3,120	0	2	14	13	74.7
40.00 .....	25,941	18,769	7,104	68	12,571	4	6	26	27	102.2
41.00 .....	21,435	18,564	2,797	74	10,196	3	1	27	19	107.3
42.00 .....	21,612	18,534	2,986	92	12,544	0	2	23	30	122.6
43.00 .....	14,173	12,287	1,845	41	3,429	0	2	10	11	74.1
44.00 .....	22,431	20,030	2,298	103	8,478	3	1	22	23	100.3
45.00 .....	31,352	26,841	4,376	135	12,801	7	5	40	46	137.2
47.00 .....	19,516	16,913	2,529	74	8,480	4	0	24	20	112.7
48.00 .....	3,197	1,406	1,771	20	436	0	0	1	2	46.9
	223,703	181,791	41,076	836	87,643	26	28	234	227	103.0

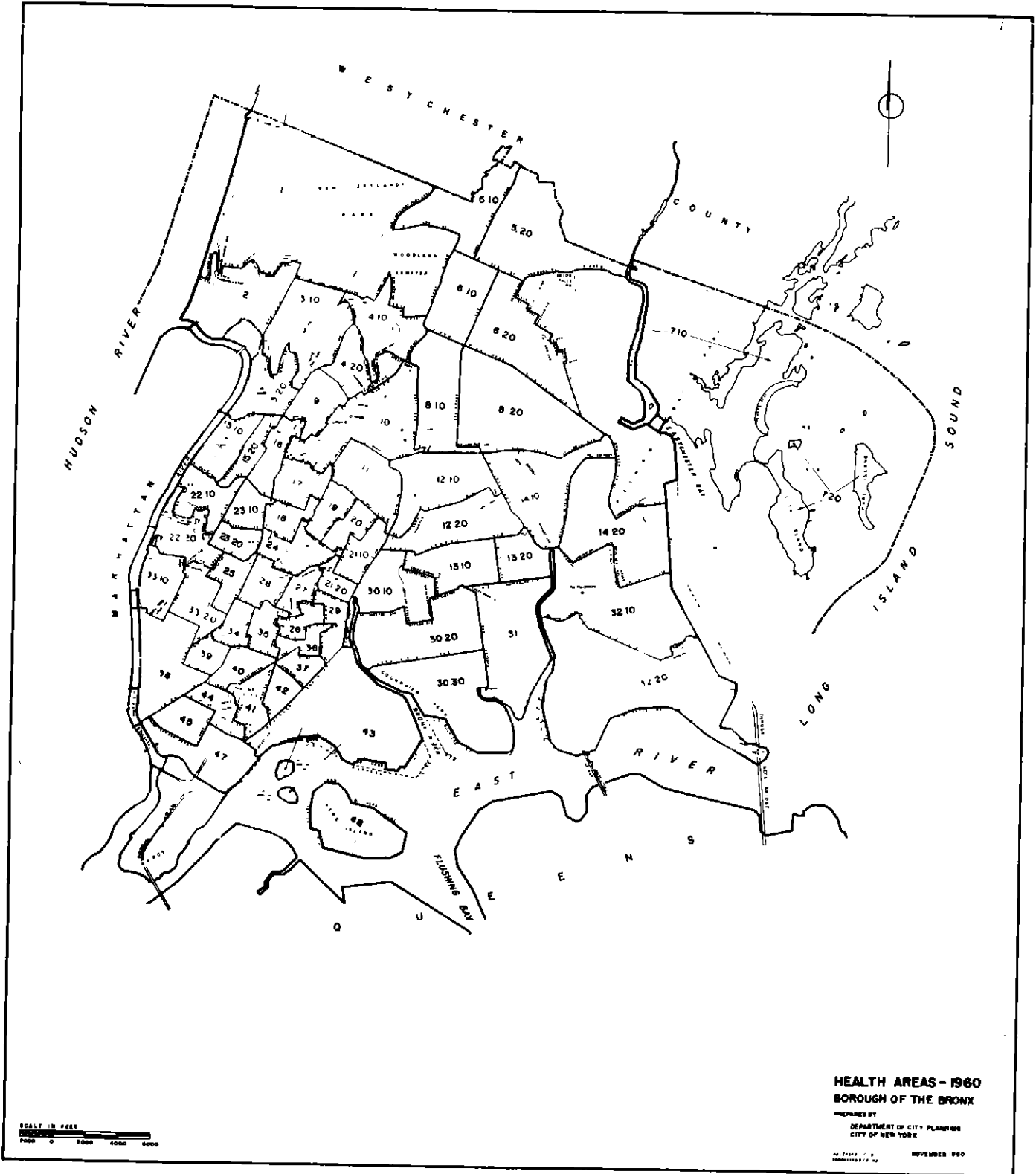
See map for health area boundaries, page 48. \*Per 100,000 population. †Puerto Ricans distributed among white and Negro population.

POPULATION AND TUBERCULOSIS  
By Health Center Districts and Health Areas  
New York City, 1960-1961

BRONX - Part B

Health Center District	Population April 1, 1960					TUBERCULOSIS				
						Resident Deaths Within City		New Cases Reported		Annual Average New Case Rate*
	Total All Races	White	Negro	Other	Puerto Rican †	1960	1961	1960	1961	
<b>PELHAM BAY</b>										
5.10 .....	19,881	19,730	127	24	65	1	1	3	3	15.1
5.20 .....	27,841	27,191	620	30	189	0	7	8	5	23.3
6.10 .....	22,009	19,432	2,532	45	251	2	0	5	3	18.2
6.20 .....	26,051	18,739	7,202	110	535	0	0	7	9	30.7
7.10 .....	13,940	9,460	4,448	32	1,150	1	0	1	3	14.3
7.20 .....	5,645	4,887	749	9	129	0	0	3	2	44.3
8.10 .....	35,614	34,313	1,233	68	428	3	1	10	3	18.3
8.20 .....	33,470	31,818	1,569	83	509	1	1	6	5	16.4
	184,451	165,570	18,480	401	3,256	8	10	43	33	20.6
<b>TREMONT</b>										
15.10 .....	17,563	17,055	447	61	162	1	2	4	2	17.1
15.20 .....	20,619	20,229	291	99	285	0	1	4	5	21.8
16.00 .....	29,093	28,299	698	96	394	3	0	9	5	24.1
17.00 .....	21,457	19,799	1,568	90	1,579	1	2	10	10	46.6
18.00 .....	16,192	14,520	1,642	30	5,513	4	0	17	13	92.6
19.00 .....	22,733	20,602	2,094	37	2,050	0	2	9	8	37.4
20.00 .....	23,928	22,092	1,737	99	2,235	4	0	12	11	48.1
22.10 .....	28,603	27,245	1,257	101	507	0	0	7	10	29.7
22.20 .....	28,331	27,848	442	41	307	1	0	4	9	22.9
23.10 .....	23,118	22,248	771	99	297	2	3	11	4	32.4
23.20 .....	16,198	15,906	266	26	81	0	0	0	4	12.3
24.00 .....	15,460	11,704	3,727	29	8,038	2	1	27	18	145.5
	263,295	247,547	14,940	808	22,448	18	11	114	99	40.4
<b>WESTCHESTER</b>										
12.10 .....	26,482	26,387	58	37	129	0	1	5	7	22.7
12.20 .....	20,346	19,901	426	19	388	1	1	2	1	7.4
13.10 .....	45,729	45,591	61	77	205	1	2	4	8	13.1
13.20 .....	10,595	10,550	41	4	54	0	0	1	3	18.9
14.10 .....	7,434	7,209	191	34	197	0	0	1	1	13.4
14.20 .....	26,135	26,076	28	31	116	1	0	5	8	24.9
30.10 .....	23,959	20,094	3,791	74	3,340	0	0	12	7	39.7
30.20 .....	30,985	27,825	3,050	110	2,888	1	1	10	8	29.0
30.30 .....	14,785	11,814	2,896	75	1,992	1	1	5	4	30.4
31.00 .....	17,600	17,211	345	44	483	1	2	0	5	14.2
32.10 .....	16,923	16,902	2	19	163	1	1	3	5	23.6
32.20 .....	18,026	16,416	1,560	50	677	0	0	5	7	33.3
	258,999	245,976	12,449	544	10,632	7	9	53	64	22.6
<b>BRONX</b>										
Total .....	1,424,815	1,256,284	163,896	4,635	186,885	93	84	690	704	48.9

See map for health area boundaries, page 48. \*Per 100,000 population. †Puerto Ricans distributed among white and Negro population.



**HEALTH AREAS - 1960**  
**BOROUGH OF THE BRONX**

PREPARED BY  
DEPARTMENT OF CITY PLANNING  
CITY OF NEW YORK

NOVEMBER 1960

SCALE IN FEET  
0 1000 2000 4000 6000

POPULATION AND TUBERCULOSIS  
By Health Center Districts and Health Areas  
New York City, 1960-1961

BROOKLYN - Part A

Health Center District Health Area	Population April 1, 1960					TUBERCULOSIS				
	Total All Races	White	Negro	Other	Puerto Rican †	Resident Deaths Within City		New Cases Reported		Annual Average New Case Rate* 1960-61
						1960	1961	1960	1961	
<b>BAY RIDGE</b>										
76.00 .....	31,169	31,074	23	72	129	1	2	8	10	28.9
77.00 .....	19,756	19,685	1	70	445	2	1	8	11	48.1
78.10 .....	29,216	29,067	68	81	111	1	1	7	11	30.8
78.20 .....	14,074	13,815	192	67	87	0	0	4	0	14.2
79.10 .....	16,219	16,182	22	15	13	0	0	2	1	9.2
79.20 .....	17,030	17,002	9	19	23	0	2	2	1	8.8
80.10 .....	17,504	17,411	66	27	115	0	0	5	4	25.7
80.20 .....	13,371	13,351	4	16	5	0	0	2	2	15.0
81.10 .....	17,061	17,038	8	15	103	0	2	4	0	11.7
81.20 .....	19,758	19,708	9	41	64	0	0	3	0	7.6
82.00 .....	33,858	33,616	226	16	82	1	0	10	4	20.7
83.00 .....	28,140	28,010	56	74	97	1	0	2	2	7.1
84.00 .....	31,971	31,703	218	50	77	0	1	1	8	14.1
92.00 .....	1,268	1,132	127	9	30	0	0	0	0	..
	290,395	288,794	1,029	572	1,381	6	9	58	54	19.3
<b>BEDFORD</b>										
20.00 .....	23,181	1,497	21,592	92	861	4	4	40	45	183.3
21.00 .....	21,278	2,298	18,897	83	825	5	5	40	44	197.4
28.00 .....	28,895	1,684	27,114	97	518	13	6	42	51	160.9
29.00 .....	34,924	15,971	18,749	204	937	3	3	38	25	90.2
30.00 .....	30,753	2,192	28,366	195	897	7	6	29	42	115.4
36.00 .....	15,403	2,911	12,403	89	501	5	1	23	23	149.3
48.00 .....	30,356	27,929	2,316	111	229	2	3	10	11	18.1
49.00 .....	32,223	18,466	13,609	148	633	2	2	18	26	68.3
50.10 .....	18,739	15,222	3,478	39	158	1	2	9	8	45.4
50.20 .....	33,746	24,999	8,488	259	5,117	3	2	27	26	78.5
52.00 .....	17,266	5,066	12,117	83	2,198	3	3	15	28	124.5
	286,764	118,235	167,129	1,400	12,874	48	37	291	329	108.1
<b>BROWNSVILLE</b>										
56.00 .....	18,891	16,438	2,217	236	4,408	0	0	12	10	58.2
57.00 .....	20,288	13,042	7,110	136	6,896	3	5	31	24	135.5
58.10 .....	24,229	24,097	100	32	18	0	0	2	3	10.3
58.20 .....	16,624	15,942	593	89	573	0	0	2	5	21.1
59.00 .....	24,493	11,100	13,317	76	5,597	1	4	30	31	63.3
60.00 .....	18,548	13,604	4,843	101	6,721	3	1	30	23	142.9
61.00 .....	19,263	16,998	2,237	28	1,907	1	0	7	7	36.3
62.00 .....	23,323	20,725	2,542	56	1,538	0	0	11	8	40.7
63.00 .....	19,964	19,333	588	43	1,527	2	2	4	4	20.0
64.10 .....	24,222	21,236	2,951	35	1,311	2	1	12	4	33.0
64.20 .....	27,447	25,476	1,898	73	375	0	2	6	5	20.0
75.10 .....	17,901	17,870	14	17	63	1	0	4	1	14.0
75.20 .....	43,280	39,590	3,610	80	818	3	1	12	13	28.9
	298,473	255,451	42,020	1,002	31,752	16	16	163	138	50.4

See map for health area boundaries, page 52. \*Per 100,000 population. †Puerto Ricans distributed among white and Negro population.

POPULATION AND TUBERCULOSIS  
By Health Center Districts and Health Areas  
New York City, 1960-1961

BROOKLYN - Part B

Health Center District	Population April 1, 1960					TUBERCULOSIS				
						Resident Deaths Within City		New Cases Reported		Annual Average New Case Rate* 1960-61
	Total All Races	White	Negro	Other	Puerto Rican †	1960	1961	1960	1961	
<b>BUSHWICK</b>										
17.00 .....	20,394	15,781	4,489	124	9,465	1	3	21	12	80.9
22.00 .....	15,128	15,059	50	19	1,218	2	0	9	9	59.4
31.00 .....	26,950	8,896	17,881	173	1,718	2	2	32	34	122.4
32.00 .....	22,104	20,994	1,074	36	1,493	2	2	3	6	20.4
33.00 .....	24,755	24,638	69	48	174	5	2	13	12	50.4
34.00 .....	27,100	24,361	2,680	59	1,262	2	2	18	14	59.0
35.00 .....	25,765	20,301	5,407	57	917	3	2	11	11	42.7
37.00 .....	11,909	9,128	2,751	30	1,230	1	1	8	9	71.4
38.00 .....	20,678	20,104	556	18	555	3	5	8	12	48.4
39.00 .....	21,961	21,915	17	29	78	2	3	7	7	31.9
	216,744	181,177	34,974	593	18,110	23	22	130	126	59.1
<b>FLATBUSH</b>										
53.10 .....	20,721	20,640	43	38	105	1	3	5	7	29.0
53.20 .....	31,799	30,783	906	110	165	2	4	5	6	17.3
54.00 .....	28,530	25,777	2,590	163	262	3	2	8	9	29.8
55.10 .....	31,366	30,892	415	59	120	3	2	3	6	14.3
55.20 .....	31,688	31,354	211	123	114	1	1	6	8	22.1
70.00 .....	30,364	30,135	169	60	199	2	0	9	5	23.1
71.10 .....	12,681	12,657	10	14	35	0	0	1	1	7.9
71.20 .....	27,804	27,596	141	67	89	1	0	4	3	12.6
72.10 .....	37,829	37,388	304	137	139	3	2	8	11	25.1
72.20 .....	18,798	18,635	133	30	73	1	2	0	5	13.3
73.10 .....	26,951	26,666	194	91	49	0	0	6	4	18.6
73.20 .....	25,923	25,786	103	34	8	0	1	1	1	3.9
74.10 .....	35,001	34,853	49	99	108	4	3	13	7	28.6
74.20 .....	23,221	22,784	406	31	41	1	0	3	3	12.9
88.10 .....	34,024	33,861	88	75	45	2	0	5	4	13.2
88.21 .....	28,346	28,257	32	57	124	0	1	5	4	15.9
88.22 .....	30,669	30,500	97	72	91	1	1	3	4	11.4
	475,715	468,564	5,891	1,260	1,767	25	22	85	88	18.2
<b>FORT GREENE</b>										
10.00 .....	13,581	7,273	6,183	125	2,795	1	3	9	11	73.6
11.00 .....	17,294	9,203	7,810	281	2,697	2	0	9	11	57.8
12.00 .....	25,561	19,255	6,125	181	3,977	2	2	33	25	113.4
13.00 .....	25,776	4,166	21,321	289	800	7	7	45	39	162.9
14.00 .....	26,208	16,521	9,543	144	4,785	4	1	15	25	76.3
18.00 .....	17,164	8,281	8,792	91	5,339	2	0	29	32	177.7
19.00 .....	21,248	11,593	9,585	70	7,504	3	1	29	20	115.3
27.10 .....	20,502	11,383	8,961	158	1,638	8	0	23	25	117.1
27.20 .....	14,196	13,260	882	54	291	0	0	5	4	31.7
45.00 .....	29,224	26,499	2,565	160	968	3	3	16	31	80.4
93.00 .....	4,560	4,044	383	133	107	0	0	0	0	..
	215,314	131,478	82,150	1,686	30,901	32	17	213	223	101.2

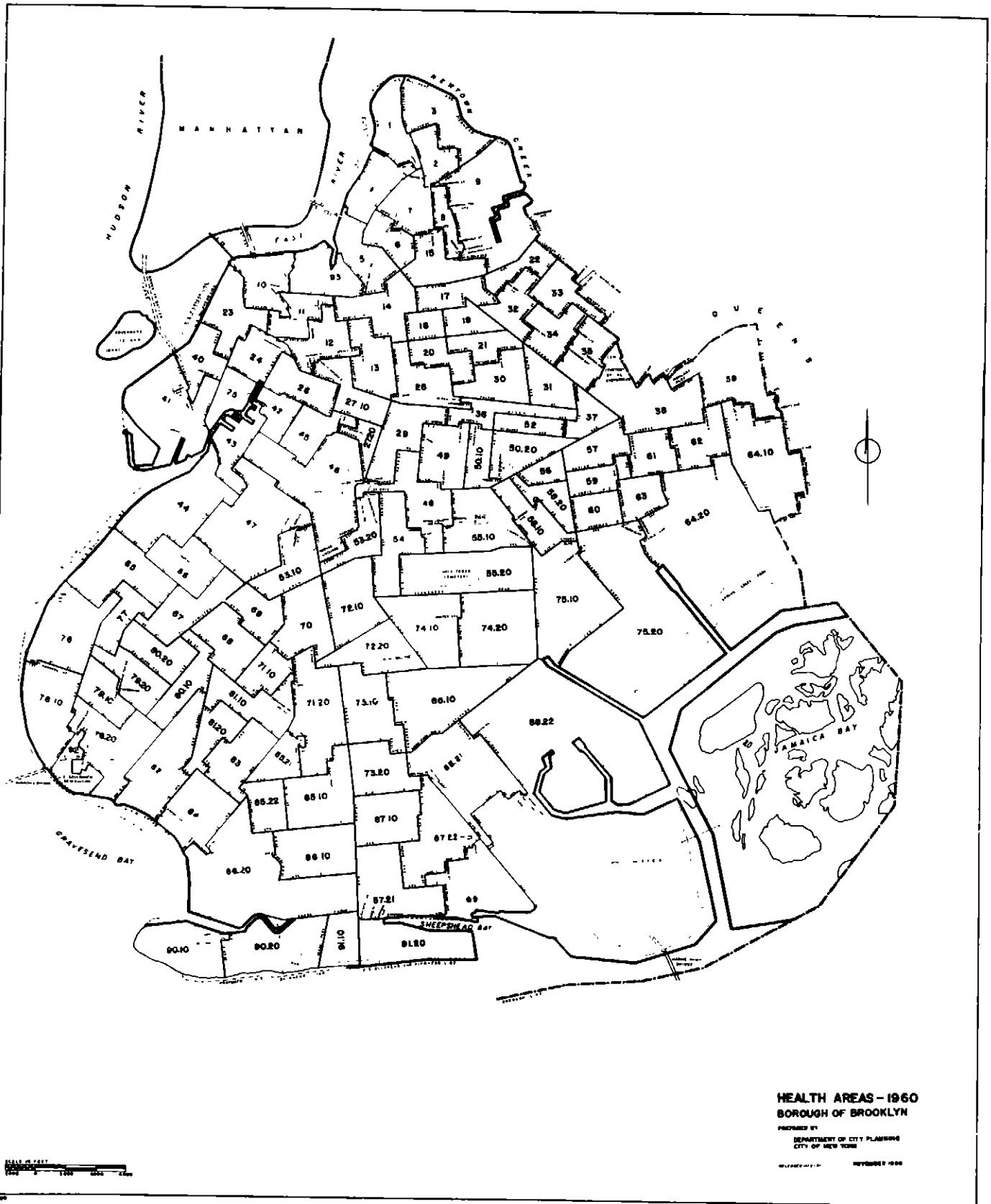
See map for health area boundaries, page 52. \*Per 100,000 population. †Puerto Ricans distributed among white and Negro population.

POPULATION AND TUBERCULOSIS  
By Health Center Districts and Health Areas  
New York City, 1960-1961

BROOKLYN - Part C

Health Center District	Population					TUBERCULOSIS				
	April 1, 1960					Resident Deaths Within City		New Cases Reported		Annual Average New Case Rate* 1960-61
	Total All Races	White	Negro	Other	Puerto Rican †	1960	1961	1960	1961	
<b>GRAVESEND</b>										
85.10 .....	26,373	26,231	98	44	91	1	1	3	1	7.6
85.21 .....	16,449	16,363	53	33	8	0	0	2	1	9.1
85.22 .....	17,118	17,073	14	31	23	1	0	4	2	17.5
86.10 .....	24,547	24,468	39	40	117	1	2	9	7	32.6
86.20 .....	42,339	41,840	410	89	270	0	1	5	2	8.3
87.10 .....	22,766	22,609	64	93	69	0	1	5	5	22.0
87.21 .....	22,844	22,261	525	58	53	0	1	2	4	13.1
87.22 .....	36,194	35,631	469	94	138	2	0	2	4	8.3
89.00 .....	15,008	14,990	8	10	13	1	1	0	4	13.3
90.10 .....	23,204	21,766	1,390	48	715	4	0	10	6	34.4
90.20 .....	16,562	15,000	1,474	88	1,466	3	2	14	9	69.4
91.10 .....	16,486	16,336	126	24	102	1	0	6	4	30.3
91.20 .....	16,540	16,360	160	20	68	0	0	4	1	15.1
	296,430	290,928	4,830	672	3,133	14	9	66	50	19.6
<b>RED HOOK-GOWANUS</b>										
23.00 .....	28,212	27,064	615	533	2,795	3	2	21	7	49.6
24.00 .....	23,958	18,268	5,242	448	8,350	0	2	28	22	104.3
25.00 .....	11,780	11,634	110	36	1,030	1	0	6	3	38.2
26.00 .....	22,805	17,089	5,443	273	5,899	5	9	35	29	140.3
40.00 .....	17,528	16,898	460	170	3,429	0	1	14	8	62.8
41.00 .....	27,582	21,215	6,254	113	4,741	4	3	18	18	65.3
42.00 .....	18,784	17,598	1,121	65	2,078	0	3	8	7	39.9
43.00 .....	11,476	11,318	109	49	1,085	1	2	6	8	61.0
	162,125	141,084	19,354	1,687	29,407	14	22	136	102	79.0
<b>SUNSET PARK</b>										
44.00 .....	15,196	15,068	100	28	1,725	3	0	7	5	39.4
46.00 .....	23,555	23,357	101	97	308	2	2	11	12	48.8
47.00 .....	23,403	23,295	64	44	600	3	2	7	12	40.6
65.00 .....	26,626	26,443	67	116	4,378	3	2	38	16	101.4
66.00 .....	25,711	25,608	49	54	1,584	2	6	10	12	42.8
67.00 .....	28,763	28,609	85	69	171	1	0	9	6	26.1
68.00 .....	29,480	29,330	99	51	124	1	3	7	2	15.3
69.00 .....	19,968	19,868	68	32	336	0	1	2	1	7.5
	192,702	191,578	633	491	9,226	15	16	81	66	38.1
<b>WILLIAMSBURG-GREENPOINT</b>										
1.00 .....	15,483	15,360	93	30	575	7	6	18	11	93.7
2.00 .....	16,098	16,054	9	35	124	1	1	4	5	28.0
3.00 .....	11,977	11,953	16	8	478	2	2	6	8	58.4
4.00 .....	13,814	13,531	273	10	2,367	3	1	9	12	76.0
5.00 .....	26,601	24,908	1,616	77	6,492	3	5	17	24	77.1
6.00 .....	25,908	24,726	1,039	143	9,835	4	0	26	27	102.3
7.00 .....	18,419	18,284	125	10	1,396	0	2	7	12	51.6
8.00 .....	15,499	14,136	1,326	37	3,399	3	2	6	5	35.4
9.00 .....	17,054	14,610	2,350	94	3,047	0	2	9	9	52.8
15-16.00 ..	31,804	25,008	6,548	248	13,850	3	7	34	29	99.0
	192,657	178,570	13,395	692	41,563	26	28	136	142	72.1
<b>BROOKLYN</b>										
Total .....	2,627,319	2,245,859	371,405	10,055	180,114	219	198	1,359	1,318	50.9

See map for health area boundaries, page 52. \*Per 100,000 population. †Puerto Ricans distributed among white and Negro population.



POPULATION AND TUBERCULOSIS  
By Health Center Districts and Health Areas  
New York City, 1960-1961

QUEENS - Part A

Health Center District	Population April 1, 1960					TUBERCULOSIS				
						Resident Deaths Within City		New Cases Reported		Annual Average New Case Rate* 1960-61
	Total All Races	White	Negro	Other	Puerto Rican †	1960	1961	1960	1961	
<b>ASTORIA-LONG ISLAND CITY</b>										
1.10 .....	18,408	18,352	4	52	123	0	1	4	2	16.3
1.20 .....	29,081	28,752	2	327	470	3	2	4	3	12.0
3.00 .....	30,128	27,900	2,142	86	1,288	3	1	12	8	33.2
4.00 .....	32,398	32,242	41	115	288	2	3	11	15	40.1
5.10 .....	17,938	17,862	6	70	85	0	1	3	4	19.5
5.20 .....	19,667	18,310	1,251	106	336	0	0	6	7	33.1
7.10 .....	26,912	25,165	1,609	138	285	0	2	7	3	18.6
7.20 .....	17,653	12,198	5,389	66	2,273	1	3	6	10	45.3
8.00 .....	24,450	24,305	52	93	112	1	3	6	7	26.6
9.10 .....	20,940	20,804	34	102	87	0	2	6	5	26.3
9.20 .....	17,889	17,809	27	53	168	1	4	5	5	28.0
	255,464	243,699	10,557	1,208	5,515	11	22	70	69	27.2
<b>CORONA</b>										
6.10 .....	22,058	10,672	11,252	134	259	0	1	16	14	68.0
6.20 .....	31,018	30,861	38	119	259	0	3	4	11	24.2
10.11 .....	22,897	22,768	64	65	134	0	0	7	3	21.8
10.12 .....	19,030	18,774	99	157	137	0	2	1	4	13.1
10.21 .....	16,644	16,508	26	110	239	1	0	7	7	42.1
10.22 .....	20,411	20,170	94	147	152	0	0	6	8	34.3
11.00 .....	26,964	17,214	9,503	247	584	5	2	15	10	46.4
14.10 .....	14,464	14,393	22	49	141	2	1	6	3	31.1
14.20 .....	29,643	29,434	48	161	274	1	2	6	5	18.6
15.00 .....	14,855	14,508	312	35	417	0	0	2	2	13.4
	217,984	195,302	21,458	1,224	2,596	9	11	70	67	31.4
<b>FLUSHING</b>										
2.10 .....	15,096	15,067	8	21	66	1	2	2	6	26.4
2.21 .....	15,101	14,911	58	132	54	0	0	8	2	33.1
2.22 .....	37,622	37,467	49	106	112	1	0	0	0	..
12.00 .....	34,336	31,944	2,057	335	416	4	1	12	5	24.8
13.10 .....	33,889	33,609	66	214	156	0	1	5	9	20.7
13.20 .....	25,168	24,608	370	190	232	1	2	6	4	19.9
20.11 .....	28,835	28,117	180	538	85	0	0	2	2	6.9
20.12 .....	22,067	21,944	19	104	65	1	0	7	1	18.1
20.21 .....	24,986	24,128	807	51	75	1	1	1	2	6.0
20.22 .....	14,743	12,967	1,663	113	52	0	2	15	12	91.6
21.10 .....	19,970	19,443	457	70	86	1	1	4	7	27.5
21.21 .....	22,049	21,679	290	80	105	0	2	5	3	19.9
21.22 .....	20,082	18,984	1,025	73	79	2	0	3	1	10.0
21.30 .....	24,278	24,050	93	135	12	1	0	1	2	6.2
21.40 .....	31,031	30,802	64	165	72	1	0	5	3	12.9
21.50 .....	23,912	23,743	104	65	30	0	0	0	2	4.2
21.60 .....	32,486	31,663	765	58	99	0	0	5	9	21.5
21.70 .....	25,802	25,663	35	104	125	0	0	3	1	7.8
39.00 .....	751	673	67	11	39	0	0	0	0	..
	452,204	441,462	8,177	2,565	1,960	14	12	84	71	17.1

See map for health area boundaries, page 55. \*Per 100,000 population. †Puerto Ricans distributed among white and Negro population.

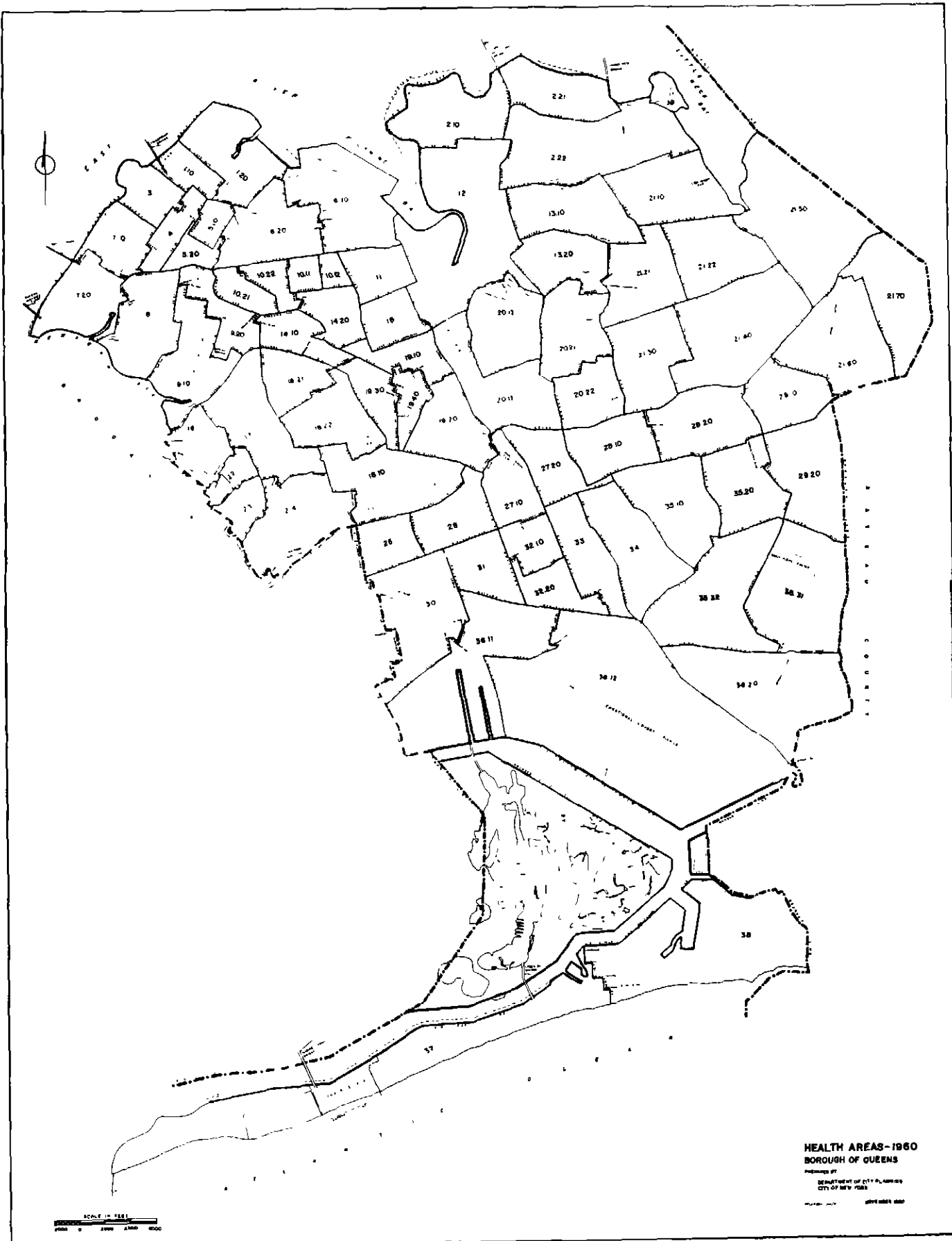


POPULATION AND TUBERCULOSIS  
By Health Center Districts and Health Areas  
New York City, 1960-1961

QUEENS - Part B

Health Center District	Population April 1, 1960					TUBERCULOSIS				
						Resident Deaths Within City		New Cases Reported		Annual Average New Case Rate* 1960-61
	Total All Races	White	Negro	Other	Puerto Rican †	1960	1961	1960	1961	
<b>JAMAICA EAST</b>										
28.10 ...	22,178	21,952	46	180	253	1	1	8	7	33.8
28.20 ...	29,298	29,075	81	142	214	1	0	4	7	18.8
29.10 ...	20,603	20,556	9	38	138	0	0	6	4	24.3
29.20 ...	26,843	26,750	23	70	157	1	2	3	2	9.3
33.00 ...	24,415	8,771	15,541	103	316	5	4	25	20	92.2
34.00 ...	30,951	4,767	26,004	180	444	5	4	33	29	100.2
35.10 ...	23,010	5,408	17,408	194	382	3	4	11	13	52.2
35.20 ...	29,731	20,214	9,316	201	411	4	1	8	12	33.6
35.31 ...	33,680	33,507	77	96	262	1	1	5	8	19.3
35.32 ...	30,166	10,180	19,732	254	463	4	5	17	12	48.1
36.20 ...	22,467	22,190	259	18	69	0	0	1	1	4.4
	293,342	203,370	88,496	1,476	3,109	25	22	121	115	40.2
<b>JAMAICA WEST</b>										
25.00 ...	24,914	24,874	4	36	78	1	0	6	6	24.1
26.00 ...	28,765	28,493	162	110	144	0	0	11	6	29.5
27.10 ...	16,599	16,437	30	92	112	2	2	3	8	33.1
27.20 ...	31,229	30,800	109	320	283	2	4	7	5	19.2
30.00 ...	34,322	34,238	37	47	134	1	2	3	5	11.7
31.00 ...	29,524	29,402	101	21	89	1	1	6	7	22.0
32.10 ...	17,419	17,064	321	34	157	1	1	4	6	28.7
32.20 ...	17,156	12,276	4,799	81	535	1	0	3	5	23.3
36.11 ...	25,297	25,221	37	39	53	1	2	3	5	15.8
36.12 ...	15,863	12,704	3,113	46	270	0	0	6	9	47.3
37.00 ...	28,863	23,678	5,146	39	1,048	0	2	11	13	41.6
38.00 ...	39,150	36,252	2,830	68	587	2	1	12	13	29.4
	309,061	291,439	16,689	933	3,490	12	15	75	88	26.4
<b>MASPETH-FOREST HILLS</b>										
16.00 ...	17,573	17,566	3	4	92	2	0	3	2	14.2
17.00 ...	29,499	29,472	14	13	43	2	1	9	7	27.1
18.10 ...	22,226	22,219	2	5	9	4	1	3	2	11.2
18.21 ...	17,815	17,776	9	30	119	2	0	2	4	16.8
18.22 ...	21,644	21,542	9	93	110	1	0	5	1	13.9
19.10 ...	29,993	29,339	104	550	131	0	0	3	4	11.7
19.20 ...	33,833	33,451	179	203	85	1	1	4	3	10.3
19.30 ...	19,694	19,510	58	126	37	0	1	3	4	17.8
19.40 ...	27,417	27,061	81	275	81	1	0	1	4	9.1
22.00 ...	18,554	18,518	5	31	24	1	2	5	8	35.0
23.00 ...	19,668	19,649	2	17	9	3	4	2	5	17.8
24.00 ...	23,607	23,584	12	11	22	0	1	6	4	21.2
	281,523	279,687	478	1,358	762	17	11	46	48	16.7
<b>QUEENS</b>										
Total ...	1,809,578	1,654,959	145,855	8,764	17,432	88	93	466	458	25.5

See map for health area boundaries, page 55. \*Per 100,000 population. †Puerto Ricans distributed among white and Negro population.



**HEALTH AREAS-1960**  
**BOROUGH OF QUEENS**  
Prepared by  
DEPARTMENT OF CITY PLANNING  
CITY OF NEW YORK  
MAY 1961

SCALE 1" = 1 MILE  
0 1 2 3 4 5

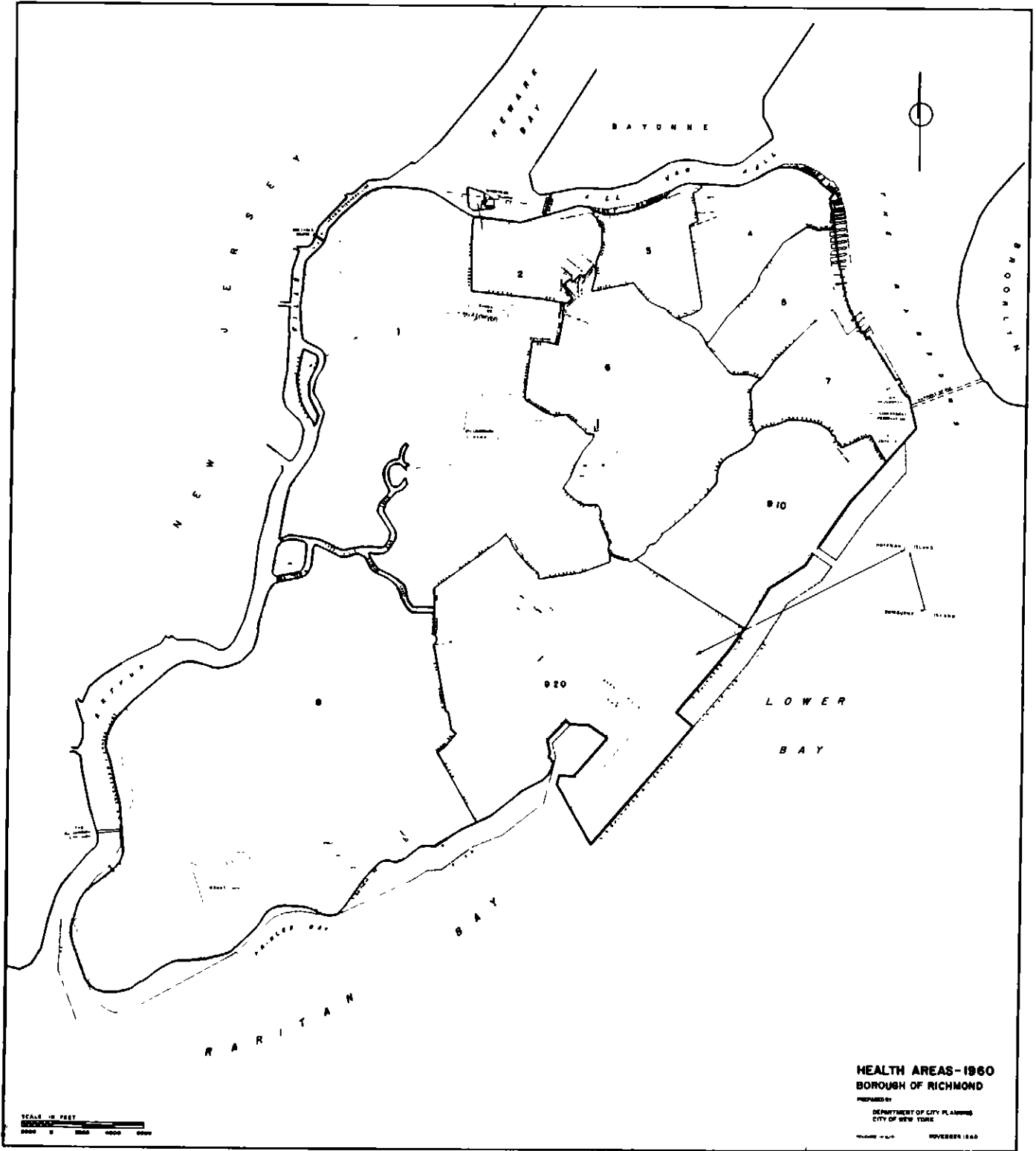
POPULATION AND TUBERCULOSIS  
By Health Center Districts and Health Areas  
New York City, 1960-1961

RICHMOND

Health Center District — Health Area	Population April 1, 1960					TUBERCULOSIS				
						Resident Deaths Within City		New Cases Reported		Annual Average New Case Rate* 1960-61
	Total All Races	White	Negro	Other	Puerto Rican †	1960	1961	1960	1961	
RICHMOND										
1.00 ...	20,548	18,298	2,198	52	510	2	2	14	6	48.7
2.00 ...	17,608	16,685	909	14	129	1	1	3	2	14.2
3.00 ...	21,112	19,105	1,983	24	69	0	0	4	6	23.7
4.00 ...	27,047	24,830	2,091	126	269	1	5	5	7	22.2
5.00 ...	16,799	16,184	496	119	104	2	3	1	5	17.9
6.00 ...	32,018	31,128	804	86	201	2	0	4	7	17.2
7.00 ...	13,746	13,531	155	60	74	0	0	2	1	10.9
8.00 ...	18,537	17,964	556	17	607	0	0	5	5	27.0
9.10 ...	28,320	27,833	449	38	506	1	0	2	4	10.6
9.20 ...	26,256	26,180	33	43	35	0	2	3	5	15.2
RICHMOND Total ...	221,991	211,738	9,674	579	2,504	9	13	43	48	20.4
NEW YORK CITY Total ...	7,781,984	6,640,662	1,087,931	53,391	612,574	767	687	4,699	4,360	58.2

See map for health area boundaries, page 57. \*Per 100,000 population. †Puerto Ricans distributed among white and Negro population.

Note: Resident deaths include only those occurring within New York City.



## COMMUNITY CASE FATALITY RATES

IN the main, case fatality rates, whether institutional or for the entire community, are markedly lower nowadays and prognosis, even for an advanced case of disease, is more favorable than a decade ago when less use was made of antibacterials. Prior to 1948 the annual community case fatality ratios for pulmonary tuberculosis in New York City, going back to the year 1900, averaged around 43 percent. The yearly fluctuations ranged from 35 to 56 percent during the period preceding the widespread use of drug therapy.

Streptomycin, which was discovered in 1944, and tested clinically in 1945 and 1946, became more generally available beginning in 1947. Too, in 1949, para-aminosalicylic acid (PAS) was introduced. The subsequent reduction in mortality brought the case fatality ratios down by almost a third within a span of three or four years. A further impetus to this decline was given in 1952 when isoniazid was employed in the treatment of tuberculosis. Since 1953 there appears to be less change in the community case fatality ratio. Case-finding procedures have contributed to maintain a high level of new cases reported.

COMMUNITY CASE FATALITY RATIOS  
Pulmonary Tuberculosis  
New York City, since 1900

Period	New Cases		Deaths		Community Fatality Ratio†
	Number	Rate‡	Number	Rate‡	
1900-04 .....	72,551	396	40,390	220	56%
1905-09 .....	109,633	508	44,001	204	40%
1910-14 .....	123,605	498	43,592	176	35%
1915-19 .....	87,941	326	42,235	156	48%
1920-24 .....	63,600	214	26,072	88	41%
1925-29 .....	55,878	170	23,191	71	42%
1930-34 .....	54,185	154	20,830	59	38%
1935-39 .....	43,936	120	19,044	52	43%
1940-44 .....	41,328	109	16,516	44	40%
1945-49 .....	34,153	88	14,396	37	42%
1950 .....	6,518	83	2,154	27	33%
1951 .....	6,331	80	1,978	25	31%
1952 .....	6,021	77	1,460	18	24%
1953 .....	6,110	78	1,183	15	19%
1954 .....	5,439	69	1,048	13	19%
1955 .....	5,064	65	1,023	13.1	20%
1956 .....	5,089	65	916	11.7	18%
1957 .....	5,162	66	931	11.9	18%
1958 .....	4,513	58	772	9.9	17%
1959 .....	4,196	54	736	9.4	18%
1960 .....	3,923	50	763	9.8	19%
1961 .....	3,635	47	688	8.8	19%

†Rate per 100,000 population.      ‡Deaths per 100 new cases reported.

Note: Number of new cases and deaths prior to 1950, shown above, are totals during each quinquennial period.