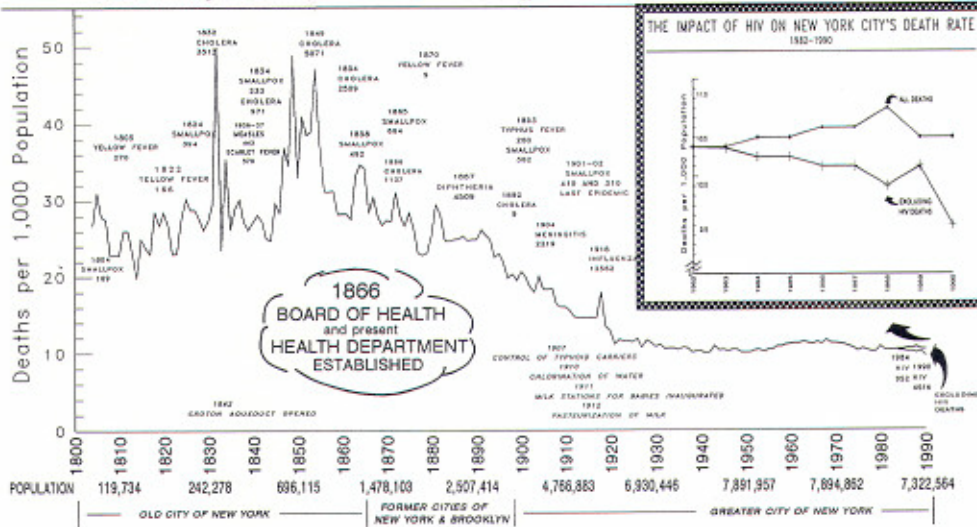


# SUMMARY OF VITAL STATISTICS 1990

## THE CITY OF NEW YORK

### The Conquest of Pestilence in New York City

...As Shown by the Death Rate as Recorded in the Official Records of the Department of Health.



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**Table 1. Population, Births, Marriages, Deaths and Infant Mortality, New York City, 1898-1990**

Year	Population April 1	Live Births		Marriages		Deaths		Infant Mortality	
		Total Re-reported	Rate per 1,000	Total Re-reported	Rate per 1,000	Total Re-reported	Rate per 1,000	Deaths under one year	Rate per 1,000 live births
1898-1900	3,358,000	119,000*	35.4	30,535	9.1	67,503	20.1	16,264	136.7
1901-1905	3,786,000	129,000	34.1	37,988	10.0	71,689	18.9	15,611	121.0
1906-1910	4,473,000	144,000	32.2	44,966	10.1	75,865	17.0	16,609	115.3
1911-1915	5,049,000	140,581	27.8	51,157	10.1	74,666	14.8	14,060	100.0
1916-1920	5,492,000	136,101	24.8	59,081	10.8	80,435	14.6	12,004	88.2
1921-1925	6,175,000	130,462	21.1	62,710	10.2	69,303	11.2	8,985	68.9
1926-1930	6,703,000	125,590	18.7	62,278	9.3	75,395	11.2	7,662	61.0
1931-1935	7,101,000	106,179	15.0	63,273	8.9	75,561	10.6	5,521	52.0
1936-1940	7,363,000	102,418	13.9	69,184	9.4	76,065	10.3	4,079	39.8
1941-1945	7,597,000	126,495	16.7	76,086	10.0	78,382	10.3	3,525	27.9
1946-1950	7,815,000	158,926	20.3	90,914	11.6	79,708	10.2	4,139	26.0
1951-1955**	7,867,000	163,526	20.8	71,689	9.1	80,583	10.2	3,986	24.4
1956	7,831,000	165,553	21.1	70,291	9.0	81,118	10.4	4,052	24.5
1957	7,818,000	166,977	21.4	69,498	8.9	84,141	10.8	4,176	25.0
1958	7,806,000	167,775	21.5	67,594	8.7	84,586	10.8	4,435	26.4
1959	7,794,000	168,138	21.6	66,887	8.6	85,352	11.0	4,458	26.5
1960	7,781,984	166,300	21.4	67,133	8.6	86,252	11.1	4,328	26.0
1961	7,793,000	168,383	21.6	66,258	8.5	86,855	11.1	4,307	25.6
1962	7,805,000	165,244	21.2	65,512	8.4	87,089	11.2	4,510	27.3
1963	7,816,000	167,848	21.5	67,886	8.7	88,621	11.3	4,334	25.8
1964	7,828,000	165,695	21.2	70,053	8.9	88,026	11.2	4,438	26.8
1965	7,839,000	158,815	20.3	71,880	9.2	87,395	11.1	4,076	25.7
1966	7,850,000	153,335	19.5	66,689	8.5	88,418	11.3	3,819	24.9
1967	7,862,000	145,802	18.5	68,876	8.8	87,610	11.1	3,489	23.9
1968	7,873,000	141,920	18.0	73,307	9.3	91,169	11.6	3,282	23.1
1969	7,885,000	146,221	18.5	75,220	9.5	88,535	11.2	3,563	24.4
1970	7,894,862	149,192	18.9	74,174	9.4	88,161	11.2	3,230	21.6
1971	7,832,000	131,920	16.8	73,810	9.4	86,724	11.1	2,751	20.9
1972	7,731,000	117,088	15.1	73,253	9.5	85,363	11.0	2,321	19.8
1973	7,648,000	110,639	14.5	70,104	9.2	82,319	10.8	2,206	19.9
1974	7,566,000	110,642	14.6	61,925	8.2	79,846	10.6	2,175	19.7
1975	7,484,000	109,418	14.6	59,591	8.0	76,312	10.2	2,110	19.3
1976	7,401,000	109,995	14.9	55,829	7.5	77,538	10.5	2,092	19.0
1977	7,318,000	110,486	15.1	52,804	7.2	75,011	10.3	1,971	17.8
1978	7,236,000	106,720	14.7	54,247	7.5	73,081	10.1	1,827	17.1
1979	7,154,000	106,021	14.8	58,532	8.2	72,079	10.1	1,767	16.7
1980	7,071,639	107,066	15.1	58,637	8.3	76,625	10.8	1,719	16.1
1981	7,097,000	108,547	15.3	61,775	8.7	73,329	10.3	1,678	15.5
1982	7,122,000	111,487	15.7	66,619	9.4	73,083	10.3	1,706	15.3
1983	7,147,000	112,353	15.7	68,164	9.5	73,544	10.3	1,603	14.3
1984	7,172,000	113,332	15.8	76,336	10.6	74,278	10.4	1,540	13.6
1985	7,197,000	118,542	16.5	77,897	10.8	74,852	10.4	1,591	13.4
1986	7,222,000	122,108	16.9	82,199	11.4	75,702	10.5	1,566	12.8
1987	7,247,000	127,386	17.6	76,194	10.5	76,448	10.5	1,673	13.1
1988	7,272,000	132,226	18.2	74,137	10.2	77,817	10.7	1,770	13.4
1989	7,297,000	137,673	18.9	69,758	9.6	75,957	10.4	1,827	13.3
1990	7,322,564	139,630	19.1	71,301	9.7	73,875	10.1	1,620	11.6

\*1898-1913 birth figures are estimated.

\*\*Figures for single years prior to 1956 appear in the annual summaries for 1965 and earlier.

**Table 2. Population and Deaths in 1990 by Age, Race, and Sex, and by Hispanic Ancestry New York City**

Age In Years	POPULATION IN 1990											
	Race								Hispanic Ancestry*			
	All Races			White		Black		Other & Unknown		Total	Male	Female
	Total	Male	Female	Male	Female	Male	Female	Male	Female			
All Ages	7,322,564	3,437,687	3,884,877	1,812,232	2,014,856	948,722	1,153,790	676,733	716,231	1,783,511	850,257	933,254
Under 5	509,740	260,094	249,646	106,020	100,299	89,438	87,593	64,636	61,754	166,395	84,608	81,787
5-9	457,477	233,095	224,382	93,233	88,385	83,442	81,623	56,420	54,374	149,384	75,819	73,565
10-14	450,072	227,640	222,432	90,433	85,680	82,540	83,489	54,667	53,263	145,371	73,854	71,517
15-19	470,786	237,065	233,721	96,850	92,640	82,809	84,592	57,406	56,489	145,502	74,273	71,229
20-24	576,581	280,259	296,322	132,663	135,444	82,938	94,047	64,658	66,831	166,535	83,527	83,008
25-29	695,687	337,819	357,868	175,621	175,560	89,035	106,052	73,163	76,256	180,031	88,116	91,915
30-34	673,723	327,208	346,515	174,224	170,690	83,358	103,311	69,626	72,514	165,682	78,992	86,690
35-39	592,364	285,137	307,227	154,789	153,385	72,720	92,942	57,628	60,900	141,167	65,713	75,454
40-44	524,246	246,763	277,483	136,977	142,000	62,587	82,731	47,199	52,752	119,452	54,680	64,772
45-49	414,989	192,089	222,900	105,859	114,405	50,965	69,213	35,265	39,282	95,069	43,354	51,715
50-54	358,853	165,328	193,525	92,702	101,712	43,556	59,598	29,070	32,215	79,669	35,959	43,710
55-59	319,941	145,237	174,704	88,984	100,514	34,303	48,160	21,950	26,030	66,208	29,012	37,196
60-64	324,788	142,890	181,898	95,863	114,169	30,545	46,127	16,482	21,602	54,344	22,908	31,436
65-69	298,096	124,649	173,447	87,324	116,359	25,300	40,821	12,025	16,267	40,640	15,958	24,682
70-74	233,635	91,511	142,124	67,256	101,690	16,153	29,385	7,602	11,049	27,645	10,062	17,583
75-79	190,692	69,269	121,423	54,404	92,730	10,075	21,049	4,790	7,644	20,251	6,960	13,291
80-84	128,340	42,479	85,861	34,597	68,959	5,370	12,817	2,512	4,085	11,686	3,834	7,852
85 & Over	102,554	29,155	73,399	23,933	60,235	3,588	10,240	1,634	2,924	8,480	2,628	5,852

\*Persons of Hispanic ancestry may be of any race.

Table 3.

Deaths by Cause and Borough of Residence  
New York City, 1990

Cause (ICD-9 Code*)	BOROUGH OF RESIDENCE							
	Total	Manhattan	Bronx	Brooklyn	Queens	Richmond	Non-Residents	Residence Unknown
Total Deaths	73,875	14,747	11,923	21,623	17,016	3,130	4,210	1,226
All Natural Causes	68,891	13,835	10,870	20,152	16,189	3,016	3,911	918
1. Total tuberculosis (010-018)	256	71	35	93	27	2	6	22
Respiratory tuberculosis (010-012)	182	52	22	63	22	—	3	18
Other forms (013-018)	74	19	13	30	5	—	3	4
2. Septicemia (038)	771	220	152	183	126	20	48	22
3. Acquired immunodeficiency syndrome (042)	4,479	1,663	704	1,133	543	83	217	136
4. Other HIV infections (043-044)	137	38	17	47	19	3	6	7
5. Viral hepatitis (070)	34	7	5	8	12	1	—	1
6. Pneumocystosis (136.3)	158	32	32	56	27	3	5	3
7. Other infective and parasitic diseases (Rest of 001-139)	233	52	44	71	38	6	19	3
8. Malignant neoplasms, all (140-208)	15,513	3,100	2,136	4,182	3,730	770	1,483	112
Lip, oral cavity, and pharynx (140-149)	268	67	41	99	60	13	22	6
Digestive organs and peritoneum (150-159)	4,307	868	591	1,175	1,089	221	323	40
Stomach (151)	616	119	89	181	149	32	37	9
Colon (153)	1,661	311	230	463	427	96	114	20
Rectum (154)	241	46	33	71	61	6	24	—
Liver, bile duct, gallbladder (155-156)	549	116	59	154	155	27	35	3
Pancreas (157)	792	176	99	202	198	41	74	2
Respiratory system (160-165)	3,742	736	519	1,032	918	201	303	33
Trachea, bronchus and lung (162)	3,562	694	497	977	884	195	286	29
Kaposi's sarcoma (173.9)	31	8	4	7	4	2	6	—
Breast and genito-urinary organs (174, 179-189)	3,914	770	553	1,078	952	179	366	16
Breast, female (174)	1,532	301	224	432	352	64	153	6
Cervix uteri (180)	170	35	31	46	37	8	12	1
Ovary and other uterine adnexa (183)	433	75	38	122	108	22	67	1
Prostate (185)	926	221	140	235	230	47	47	6
Bladder and other urinary organs (188-189)	590	99	82	159	158	30	62	—
Other and unspecified sites (Rest of 140-199)	1,774	349	251	462	385	96	224	7
Lymphatic and hematopoietic tissues (200-208)	1,477	302	177	369	322	58	239	10
Leukemia and aleukemia (204-208)	571	108	70	137	115	24	114	3
9. Benign and unspecified neoplasms (210-239)	243	52	32	66	49	13	30	1
10. Diabetes mellitus (250)	991	180	169	356	207	44	24	11
11. Alcohol dependence syndrome (303)	476	114	52	207	49	10	5	39
12. Drug dependence and accidental drug poisoning**	695	153	144	190	92	11	45	60
Drug dependence (304)	413	89	98	99	62	6	23	36
13. Diseases of nervous system (320-389)	592	156	90	143	125	30	40	8
14. Total cardiovascular diseases (390-459)	31,966	5,376	5,047	9,715	8,589	1,501	1,429	309
Cerebrovascular disease (430-438)	2,709	544	405	821	687	126	101	25
Heart diseases (393-398, 402, 404-429)	27,912	4,530	4,427	8,487	7,614	1,330	1,256	268
Chronic rheumatic heart disease (393-398)	114	22	16	31	28	2	15	—
Ischemic heart disease (410-414)	21,768	3,183	3,588	6,463	6,242	1,122	1,002	168
Other forms of heart disease (420-429)	4,951	1,040	688	1,627	1,144	175	191	86
Hypertensive disease (401-404)	687	194	87	264	101	16	15	10
Atherosclerosis (440)	273	70	50	62	64	15	6	6
15. Pneumonia and influenza (480-487)	3,612	748	659	1,072	788	148	134	63
16. Chronic obstructive pulmonary diseases, all (490-496)	1,649	372	246	476	381	118	35	21
Bronchitis, emphysema, asthma (490-493)	445	107	83	145	84	13	11	2
Ulcer of stomach and duodenum (531-533)	212	48	29	61	57	8	9	—
18. Appendicitis (540-543)	10	2	3	2	2	—	—	1
19. Intestinal obstruction and hernia (550-553, 560)	115	25	13	35	32	4	4	2
20. Chronic liver disease and cirrhosis (571)	1,016	227	208	288	178	30	47	38
21. Nephritis, nephrotic syndrome and nephrosis (580-589)	699	144	114	203	167	36	29	6
22. Hyperplasia of prostate (600)	7	—	3	—	3	—	1	—
23. Complications of pregnancy, childbirth and the puerperium (630-676)	35	5	6	13	9	—	2	—
24. Congenital anomalies (740-759)	380	44	69	123	64	17	61	2
25. Certain conditions originating in the perinatal period (760-779)	937	149	212	345	147	27	55	2
26. Sudden infant death syndrome (798.0)	135	26	29	54	21	3	2	—
27. Ill-defined (Rest of 780-799)	429	68	54	198	60	8	14	27
28. All other diseases	3,393	827	612	923	677	125	183	46
All External Causes	4,984	912	1,053	1,471	827	114	299	308
29. Total accidents (E800-E949)	1,908	339	302	569	390	51	152	105
Accidental drug poisoning**	282	64	46	91	30	5	22	24
Motor vehicle accidents (E810-E825)	704	89	112	206	176	28	70	23
Home accidents	552	132	82	173	122	7	21	15
30. Suicide and self-inflicted injuries (E950-E959)	646	150	121	160	134	27	27	27
31. Homicide (E960-E975, E990-E999)	2,272	395	614	702	287	34	113	127
32. Injury undetermined whether accidentally or purposely inflicted (E980-E989)	158	28	16	40	16	2	7	49

\*Numbers in parentheses are codes of International Classification of Diseases, Ninth Revision.

\*\*Drug dependence is code 304 and accidental drug poisoning includes E850.0, E854.1, E855.2, E858.8.

Age In Years	DEATHS IN 1990											
	Race									Hispanic Ancestry*		
	All Races			White		Black		Other & Unknown		Total	Male	Female
	Total	Male	Female	Male	Female	Male	Female	Male	Female			
All Ages	73,875	38,585	35,290	25,375	24,574	9,957	8,213	3,253	2,503	8,257	5,108	3,149
Under 5	1,871	1,059	812	392	310	447	341	220	161	361	203	158
5-9	115	60	55	32	29	22	23	6	3	29	14	15
10-14	133	78	55	41	28	34	22	3	5	34	23	11
15-19	527	411	116	189	58	191	44	31	14	161	126	36
20-24	958	725	233	346	112	332	100	47	21	287	223	64
25-29	1,569	1,170	399	629	188	472	169	69	42	480	373	107
30-34	2,355	1,711	644	972	285	617	302	122	57	651	503	148
35-39	2,970	2,178	792	1,167	316	818	395	193	81	685	529	156
40-44	2,815	2,079	736	1,119	360	780	313	180	63	624	477	147
45-49	2,651	1,817	834	1,017	406	643	357	157	71	519	375	144
50-54	3,002	1,938	1,064	1,064	544	696	419	178	101	544	354	190
55-59	3,550	2,164	1,386	1,254	760	703	486	207	140	518	325	193
60-64	5,158	2,997	2,161	1,908	1,252	829	724	260	185	578	335	243
65-69	6,604	3,633	2,971	2,385	1,882	908	856	340	233	591	321	270
70-74	7,255	3,788	3,467	2,705	2,390	776	847	307	230	547	261	286
75-79	8,808	4,223	4,585	3,212	3,394	670	889	341	302	576	256	320
80-84	9,048	3,956	5,092	3,181	4,027	501	755	274	310	473	203	270
85 & Over	14,486	4,598	9,888	3,762	8,233	518	1,171	318	484	599	207	392

Table 4.

**Chief Causes of Death in Specified Age Groups by Sex\***  
New York City, 1990

Males		ALL AGES		Females	
Deaths	Percent			Deaths	Percent
12,740	33.0	Heart Diseases		15,172	43.0
7,677	19.9	Malignant Neoplasms		7,836	22.2
3,663	9.5	Acquired Immunodeficiency Syndrome (AIDS)		816	2.3
1,651	4.3	Pneumonia and Influenza		1,961	5.6
1,134	2.9	Cerebrovascular Disease		1,575	4.5
1,961	5.1	Homicide		311	0.9
889	2.3	Chronic Obstructive Pulmonary Diseases		760	2.2
1,066	2.8	Accidents Except Drug Poisoning		560	1.6
707	1.8	Chronic Liver Disease and Cirrhosis		309	0.9
415	1.1	Diabetes Mellitus		576	1.6
6,682	17.3	All Other Causes		5,414	15.3
38,585	100.0	Total		35,290	100.0
		UNDER 1 YEAR			
162	17.5	Other Conditions of Perinatal Period		125	18.1
162	17.5	Congenital Anomalies		116	16.8
100	10.8	Respiratory Distress Syndrome		74	10.7
82	8.8	Respiratory Conditions of Newborn		60	8.7
77	8.3	Sudden Infant Death Syndrome		58	8.4
79	8.5	Immaturity		50	7.2
22	2.4	Infections specific to the Perinatal Period		21	3.0
24	2.6	Pneumonia and Influenza		19	2.7
17	1.8	Acquired Immunodeficiency Syndrome (AIDS)		21	3.0
17	1.8	Homicide		10	1.4
186	20.0	All Other Causes		138	19.9
928	100.0	Total		692	100.0
		1 TO 14 YEARS			
56	20.8	Accidents Except Drug Poisoning		42	18.3
40	14.9	Acquired Immunodeficiency Syndrome (AIDS)		26	11.3
30	11.2	Malignant Neoplasms		25	10.9
34	12.6	Homicide		20	8.7
25	9.3	Congenital Anomalies		23	10.0
11	4.1	Heart Diseases		17	7.4
5	1.9	Diseases of Nervous System		12	5.2
9	3.3	Pneumonia and Influenza		7	3.0
10	3.7	Chronic Obstructive Pulmonary Diseases		2	0.9
6	2.2	Septicemia		4	1.7
43	16.0	All Other Causes		52	22.6
269	100.0	Total		230	100.0
		15 TO 24 YEARS			
662	58.3	Homicide		92	26.4
150	13.2	Accidents Except Drug Poisoning		29	8.3
55	4.8	Malignant Neoplasms		37	10.6
57	5.0	Suicide		22	6.3
50	4.4	Acquired Immunodeficiency Syndrome (AIDS)		26	7.4
26	2.3	Drug Dependence and Accidental Drug Poisoning		14	4.0
25	2.2	Heart Diseases		14	4.0
12	1.1	Chronic Obstructive Pulmonary Diseases		11	3.2
10	0.9	Pneumonia and Influenza		8	2.3
10	0.9	Congenital Anomalies		7	2.0
79	6.9	All Other Causes		89	25.5
1,136	100.0	Total		349	100.0
		25 TO 34 YEARS			
973	33.8	Acquired Immunodeficiency Syndrome (AIDS)		315	30.2
704	24.4	Homicide		86	8.2
129	4.5	Malignant Neoplasms		120	11.5
192	6.7	Accidents Except Drug Poisoning		42	4.0
168	5.8	Drug Dependence and Accidental Drug Poisoning		61	5.8
124	4.3	Suicide		33	3.2
101	3.5	Heart Diseases		55	5.3
61	2.1	Pneumonia and Influenza		46	4.4
38	1.3	Tuberculosis		20	1.9
26	0.9	Chronic Liver Disease and Cirrhosis		16	1.5
365	12.7	All Other Causes		249	23.9
2,881	100.0	Total		1,043	100.0

\*Ten leading causes of death in each age group arranged in order of frequency for both sexes combined.  
Totals may not equal 100.0% due to rounding.

Males		35 TO 44 YEARS		Females	
Deaths	Percent			Deaths	Percent
1,675	39.3	Acquired Immundeficiency Syndrome (AIDS)		318	20.8
279	6.6	Malignant Neoplasms		355	23.2
344	8.1	Heart Diseases		128	8.4
300	7.0	Homicide		50	3.3
245	5.8	Drug Dependence and Accidental Drug Poisoning		63	4.1
167	3.9	Chronic Liver Disease and Cirrhosis		50	3.3
160	3.8	Accidents Except Drug Poisoning		38	2.5
135	3.2	Pneumonia and Influenza		62	4.1
108	2.5	Suicide		46	3.0
98	2.3	Alcohol Dependence		29	1.9
746	17.5	All Other Causes		389	25.5
4,257	100.0	Total		1,528	100.0
		45 TO 54 YEARS			
717	19.1	Malignant Neoplasms		789	41.6
850	22.6	Heart Diseases		374	19.7
671	17.9	Acquired Immundeficiency Syndrome (AIDS)		71	3.7
189	5.0	Chronic Liver Disease and Cirrhosis		51	2.7
111	3.0	Cerebrovascular Disease		96	5.1
131	3.5	Accidents Except Drug Poisoning		39	2.1
138	3.7	Homicide		19	1.0
105	2.8	Pneumonia and Influenza		48	2.5
105	2.8	Alcohol Dependence		27	1.4
53	1.4	Chronic Obstructive Pulmonary Diseases		48	2.5
685	18.2	All Other Causes		336	17.7
3,755	100.0	Total		1,898	100.0
		55 TO 64 YEARS			
1,873	36.3	Heart Diseases		1,092	30.8
1,515	29.4	Malignant Neoplasms		1,409	39.7
188	3.6	Cerebrovascular Disease		145	4.1
165	3.2	Chronic Liver Disease and Cirrhosis		75	2.1
195	3.8	Acquired Immundeficiency Syndrome (AIDS)		27	0.8
131	2.5	Chronic Obstructive Pulmonary Diseases		89	2.5
135	2.6	Pneumonia and Influenza		73	2.1
92	1.8	Diabetes Mellitus		88	2.5
95	1.8	Accidents Except Drug Poisoning		39	1.1
86	1.7	Alcohol Dependence		15	0.4
686	13.3	All Other Causes		495	14.0
5,161	100.0	Total		3,547	100.0
		65 TO 74 YEARS			
3,142	42.3	Heart Diseases		2,574	40.0
2,221	29.9	Malignant Neoplasms		2,060	32.0
284	3.8	Cerebrovascular Disease		285	4.4
269	3.6	Pneumonia and Influenza		251	3.9
229	3.1	Chronic Obstructive Pulmonary Diseases		205	3.2
94	1.3	Diabetes Mellitus		142	2.2
118	1.6	Accidents Except Drug Poisoning		78	1.2
106	1.4	Chronic Liver Disease and Cirrhosis		70	1.1
70	0.9	Nephritis and Nephrosis		66	1.0
69	0.9	Diseases of Nervous System		48	0.7
819	11.0	All Other Causes		659	10.2
7,421	100.0	Total		6,438	100.0
		75 TO 84 YEARS			
3,866	47.3	Heart Diseases		4,867	50.3
2,029	24.8	Malignant Neoplasms		2,080	21.5
508	6.2	Pneumonia and Influenza		545	5.6
289	3.5	Cerebrovascular Disease		511	5.3
295	3.6	Chronic Obstructive Pulmonary Diseases		234	2.4
101	1.2	Diabetes Mellitus		148	1.5
94	1.1	Accidents Except Drug Poisoning		113	1.2
89	1.1	Septicemia		113	1.2
93	1.1	Nephritis and Nephrosis		96	1.0
70	0.9	Diseases of Nervous System		70	0.7
745	9.1	All Other Causes		900	9.3
8,179	100.0	Total		9,677	100.0
		85 AND OVER			
2,518	54.8	Heart Diseases		6,045	61.1
702	15.3	Malignant Neoplasms		959	9.7
395	8.6	Pneumonia and Influenza		902	9.1
172	3.7	Cerebrovascular Disease		461	4.7
129	2.8	Chronic Obstructive Pulmonary Diseases		130	1.3
66	1.4	Accidents Except Drug Poisoning		133	1.3
43	0.9	Septicemia		127	1.3
38	0.8	Diabetes Mellitus		132	1.3
68	1.5	Nephritis and Nephrosis		83	0.8
33	0.7	Atherosclerosis		80	0.8
434	9.4	All Other Causes		836	8.5
4,598	100.0	Total		9,888	100.0

Table 5.

## Deaths and Death Rates per 100,000 Population from Selected Causes

	Population April 1, 1990	All Causes		Heart Diseases		Malignant Neoplasms		AIDS		Pneumonia and Influenza		Cerebrovascular Disease		Chronic Obstructive Pulmonary Diseases	
		No.	Rate Per 1,000	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Health Center District															
NEW YORK CITY	7,322,564	73,875*	10.1	27,912	381.2	15,513	211.9	4,479	61.2	3,612	49.3	2,709	37.0	1,649	22.5
MANHATTAN	1,487,536	14,747	9.9	4,530	304.5	3,100	208.4	1,663	111.8	748	50.3	544	36.6	372	25.0
Central Harlem	115,483	2,003	17.3	542	469.3	385	333.4	149	129.0	90	77.9	72	62.3	61	52.8
East Harlem	127,258	1,416	11.1	397	312.0	250	196.5	147	115.5	101	79.4	60	47.1	31	24.4
Kips Bay-Yorkville	235,583	2,004	8.5	774	328.5	508	215.6	139	59.0	92	39.1	77	32.7	61	25.9
Lower East Side	239,489	2,362	9.9	676	282.3	521	217.5	290	121.1	126	52.6	83	34.7	64	26.7
Lower West Side	294,275	2,761	9.4	830	282.0	570	193.7	533	181.1	138	46.9	97	33.0	58	19.7
Riverside	208,936	2,031	9.7	619	296.3	403	192.9	292	139.8	104	49.8	80	38.3	38	18.2
Washington Heights	266,512	2,170	8.1	692	259.7	463	173.7	113	42.4	97	36.4	75	28.1	59	22.1
BRONX	1,203,789	11,923	9.9	4,427	367.8	2,136	177.4	704	58.5	659	54.7	405	33.6	246	20.4
Fordham-Riverdale	245,226	2,607	10.6	1,181	481.6	463	188.8	97	39.6	148	60.4	74	30.2	49	20.0
Morrisania	144,743	1,453	10.0	433	299.2	226	156.1	126	87.1	69	47.7	45	31.1	28	19.3
Mott Haven	129,817	1,082	8.3	278	214.1	154	118.6	129	99.4	44	33.9	35	27.0	23	17.7
Pelham Bay	218,114	2,606	11.9	1,115	511.2	479	219.6	68	31.2	202	92.6	87	39.9	54	24.8
Tremont	190,532	1,320	6.9	298	156.4	181	95.0	162	85.0	44	23.1	48	25.2	26	13.6
Westchester	275,357	2,855	10.4	1,122	407.5	633	229.9	122	44.3	152	55.2	116	42.1	66	24.0
BROOKLYN	2,300,664	21,623	9.4	8,487	368.9	4,182	181.8	1,133	49.2	1,072	46.6	821	35.7	476	20.7
Bay Ridge	238,428	2,691	11.3	1,357	569.1	581	243.7	52	21.8	122	51.2	82	34.4	57	23.9
Bedford	232,911	2,136	9.2	561	240.9	394	169.2	150	64.4	102	43.8	91	39.1	56	24.0
Brownsville	278,444	2,452	8.8	761	273.3	487	174.9	168	60.3	122	43.8	91	32.7	60	21.5
Bushwick	182,574	1,412	7.7	426	233.3	183	100.2	137	75.0	66	36.1	53	29.0	27	14.8
Flatbush	502,102	4,076	8.1	1,707	340.0	874	174.1	158	31.5	204	40.6	139	27.7	89	17.7
Fort Greene	150,219	1,551	10.3	470	312.9	240	159.8	153	101.9	81	53.9	63	41.9	35	23.3
Gravesend	284,040	3,649	12.8	1,779	626.3	745	262.3	74	26.1	221	77.8	141	49.6	74	26.1
Red Hook-Gowanus	105,661	1,002	9.5	344	325.6	193	182.7	94	89.0	56	53.0	38	36.0	17	16.1
Sunset Park	170,313	1,417	8.3	646	379.3	277	162.6	62	36.4	51	29.9	60	35.2	24	14.1
Williamsburg-Greenpoint	155,972	1,237	7.9	436	279.5	208	133.4	85	54.5	47	30.1	63	40.4	37	23.7
QUEENS	1,951,598	17,016	8.7	7,614	390.1	3,730	191.1	543	27.8	788	40.4	687	35.2	381	19.5
Astoria	236,369	1,998	8.5	856	362.1	471	199.3	81	34.3	73	30.9	72	30.5	44	18.6
Corona	291,005	2,033	7.0	771	264.9	449	154.3	106	36.4	90	30.9	98	33.7	42	14.4
Flushing	456,393	3,794	8.3	1,820	398.8	906	198.5	58	12.7	204	44.7	136	29.8	84	18.4
Jamaica East	337,312	2,811	8.3	1,091	323.4	589	174.6	134	39.7	118	35.0	139	41.2	53	15.7
Jamaica West	361,199	3,523	9.8	1,738	481.2	668	184.9	114	31.6	160	44.3	116	32.1	81	22.4
Maspeh-Forest Hills	269,320	2,857	10.6	1,338	496.8	647	240.2	50	18.6	143	53.1	126	46.8	77	28.6
RICHMOND	378,977	3,130	8.3	1,330	377.8	770	218.7	83	23.6	148	42.0	126	35.8	118	33.5
NON-RESIDENTS	—	4,210	—	1,256	—	1,483	—	217	—	134	—	101	—	35	—
RESIDENCE UNKNOWN	—	1,226	—	268	—	112	—	136	—	63	—	25	—	21	—

\*Deaths include events to non-residents.

Table 6. Deaths by Place of Death, New York City, 1985-1990

Place of Death	1985	1986	1987	1988	1989	1990
Home	15,182	15,446	15,092	14,862	13,564	13,204
Hospital						
Voluntary	36,313	36,822	37,306	38,487	40,807	40,023
Proprietary	3,145	2,822	3,069	3,067	2,800	2,646
Municipal	11,218	11,003	11,392	11,579	10,957	10,202
Other Government	1,582	1,476	1,501	1,385	1,426	1,335
Nursing Home	4,972	5,416	5,279	5,679	3,790	3,891
Other Specified Place	2,440	2,717	2,809	2,758	2,613	2,574
Total	74,852	75,702	76,448	77,817	75,957	73,875

by Health Center District of Residence, New York City, 1990

Chronic Liver Disease & Cirrhosis		Diabetes Mellitus		Drug Dependence & Accidental Drug Poisoning		Accidents Except Drug Poisoning		Suicide		Homicide		Injury Undetermined	
No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
1,016	13.9	991	13.5	695	9.5	1,626	22.2	646	8.8	2,272	31.0	158	2.2
227	15.3	180	12.1	153	10.3	275	18.5	150	10.1	395	26.6	28	1.9
39	33.8	35	30.3	38	32.9	36	31.2	8	6.9	90	77.9	9	7.8
23	18.1	16	12.6	24	18.9	33	25.9	13	10.2	51	40.1	3	2.4
17	7.2	13	5.5	3	1.3	32	13.6	26	11.0	7	3.0	1	0.4
42	17.5	23	9.6	25	10.4	38	15.9	22	9.2	53	22.1	6	2.5
35	11.9	24	8.2	23	7.8	49	16.7	31	10.5	22	7.5	3	1.0
30	14.4	31	14.8	15	7.2	35	16.8	28	13.4	40	19.1	4	1.9
41	15.4	38	14.3	25	9.4	52	19.5	22	8.3	132	49.5	2	0.8
208	17.3	169	14.0	144	12.0	256	21.3	121	10.1	614	51.0	16	1.3
40	16.3	25	10.2	7	2.9	53	21.6	29	11.8	86	35.1	2	0.8
38	26.3	20	13.8	25	17.3	33	22.8	17	11.7	124	85.7	1	0.7
33	25.4	14	10.8	31	23.9	29	22.3	17	13.1	100	77.0	1	0.8
24	11.0	41	18.8	18	8.3	55	25.2	23	10.5	61	28.0	3	1.4
23	12.1	24	12.6	35	18.4	31	16.3	19	10.0	152	79.8	6	3.1
50	18.2	45	16.3	28	10.2	55	20.0	16	5.8	91	33.0	3	1.1
288	12.5	356	15.5	190	8.3	478	20.8	160	7.0	702	30.5	40	1.7
34	14.3	23	9.6	16	6.7	58	24.3	16	6.7	26	10.9	7	2.9
38	16.3	51	21.9	32	13.7	34	14.6	13	5.6	137	58.8	6	2.6
31	11.1	58	20.8	35	12.6	58	20.8	24	8.6	137	49.2	4	1.4
33	18.1	31	17.0	24	13.1	46	25.2	14	7.7	94	51.5	4	2.2
35	7.0	60	11.9	14	2.8	91	18.1	32	6.4	114	22.7	6	1.2
32	21.3	41	27.3	22	14.6	31	20.6	9	6.0	68	45.3	3	2.0
32	11.3	38	13.4	7	2.5	64	22.5	25	8.8	37	13.0	7	2.5
15	14.2	13	12.3	16	15.1	26	24.6	10	9.5	28	26.5	—	—
15	8.8	17	10.0	11	6.5	39	22.9	9	5.3	26	15.3	1	0.6
23	14.7	24	15.4	13	8.3	31	19.9	8	5.1	35	22.4	2	1.3
178	9.1	207	10.6	92	4.7	360	18.4	134	6.9	287	14.7	16	0.8
33	14.0	29	12.3	13	5.5	54	22.8	17	7.2	22	9.3	2	0.8
28	9.6	24	8.2	13	4.5	52	17.9	20	6.9	72	24.7	3	1.0
26	5.7	36	7.9	17	3.7	54	11.8	31	6.8	35	7.7	3	0.7
29	8.6	45	13.3	20	5.9	70	20.8	29	8.6	86	25.5	1	0.3
35	9.7	38	10.5	21	5.8	81	22.4	19	5.3	53	14.7	5	1.4
27	10.0	35	13.0	8	3.0	49	18.2	18	6.7	19	7.1	2	0.7
30	8.5	44	12.5	11	3.1	46	13.1	27	7.7	34	9.7	2	0.6
47	—	24	—	45	—	130	—	27	—	113	—	7	—
38	—	11	—	60	—	81	—	27	—	127	—	49	—

Table 7. Deaths by Ancestry and Borough of Residence, New York City, 1990

Ancestry	Total	Borough of Residence					Non-Residents	Residence Unknown
		Manhattan	Bronx	Brooklyn	Queens	Richmond		
Puerto Rican	4,555	1,161	1,844	1,104	287	46	65	48
Dominican	687	341	180	90	69	1	2	4
Colombian	172	25	7	19	110	1	9	1
Ecuadorian	149	22	27	35	59	1	5	—
Mexican	83	24	18	21	13	3	4	—
Cuban	389	162	62	33	104	2	22	4
Other Hispanic	2,222	514	553	535	376	27	82	135
African-American	15,397	3,671	2,987	5,246	2,728	188	393	184
American	14,841	2,886	1,907	3,750	3,662	1,236	1,337	63
Guyanese	176	5	26	82	58	—	4	1
Haitian	373	27	4	234	92	3	13	—
Jamaican	294	19	76	137	46	3	10	3
Trinidadian	106	2	7	76	12	2	6	1
All Other North, Central and South American	769	88	142	338	151	16	31	3
English	312	84	35	66	82	14	30	1
German	1,803	372	213	191	851	67	103	6
Irish	2,294	331	431	384	823	185	133	7
Italian	6,511	427	874	2,429	1,752	670	331	28
Polish	1,794	192	249	717	504	59	67	6
Russian	1,720	214	256	811	338	35	60	6
Other European	2,111	424	279	496	690	93	119	10
Chinese	767	352	25	170	175	18	25	2
Asian Indian	182	22	17	23	94	2	22	2
Korean	123	8	12	6	83	4	10	—
Filipino	99	21	11	10	42	3	11	1
Other Asian	992	108	63	497	215	18	88	3
Other & Not Stated	14,954	3,245	1,618	4,123	3,600	433	1,228	707
Total	73,875	14,747	11,923	21,623	17,016	3,130	4,210	1,226

DEATHS DUE TO EXTERNAL CAUSES BY AGE, NEW YORK CITY, 1990

Table 8. Accidents

Type	All Ages	0-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65-74	75+
Total	1,908	64	25	20	70	122	339	313	205	145	199	406
Work	44	—	—	—	—	5	14	8	11	4	2	—
Accidental drug poisoning	282	—	—	—	—	13	105	115	35	11	3	—
Firearms	9	—	—	—	3	3	1	1	—	1	—	—
Home												
Poisoning (gas excepted)	12	1	—	—	—	—	1	5	1	2	1	1
Poisoning by gas and vapors	7	—	—	1	—	—	2	1	—	1	—	2
Falls	331	7	—	1	1	7	17	14	21	21	43	199
Fire and flames	136	23	5	2	2	—	10	10	14	11	20	39
Drowning	4	3	—	—	—	—	—	—	1	—	—	—
Suffocation	39	8	—	—	1	—	5	2	5	3	3	12
Other home accidents	23	1	—	—	—	1	3	1	2	1	2	12
Motor Vehicle												
Injury to pedestrian	382	11	16	6	6	16	56	47	40	41	58	85
Collision with other motor vehicle	120	1	—	3	17	22	24	20	13	2	15	3
Collision with fixed object	57	1	1	—	11	10	12	11	4	4	2	1
Non-collision	13	—	—	—	1	1	3	2	5	—	—	1
Other motor vehicle accident	132	5	1	—	18	26	30	12	12	11	9	8
Public Place												
Railroad and subway	44	—	—	1	1	5	14	10	7	3	2	1
Falls	125	—	—	—	2	2	15	22	18	13	25	28
Fire and flames	6	—	—	—	—	—	1	2	2	1	—	—
Drowning	28	1	—	3	2	2	7	7	2	1	2	1
Other	107	2	1	3	5	9	18	22	11	13	12	11
Late effects of accidents	7	—	1	—	—	—	1	1	1	1	—	2

Table 9. Suicide

Method	All Ages	0-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65-74	75+
Total	646	—	—	1	22	57	157	154	83	71	45	56
Poisoning by solid or liquid substances	123	—	—	1	—	10	20	42	18	12	9	11
Poisoning by gases and vapors	10	—	—	—	—	1	3	3	1	1	—	1
Hanging, strangulation and suffocation	139	—	—	—	3	9	34	29	20	19	11	14
Submersion (drowning)	26	—	—	—	—	1	6	10	3	4	—	2
Firearms and explosives	131	—	—	—	14	19	30	25	19	13	9	2
Cutting and piercing instruments	17	—	—	—	—	—	4	4	3	3	2	1
Jumping before moving object	23	—	—	—	—	1	11	4	4	1	2	—
Jumping from high place	168	—	—	—	5	16	45	35	14	17	11	25
Other and unspecified means	9	—	—	—	—	—	4	2	1	1	1	—

Table 10. Homicide

Method	All Ages	0-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65-74	75+
Total	2,272	44	9	28	294	460	790	350	157	70	48	22
Poisoning	1	—	—	—	—	—	—	—	—	—	—	1
Hanging and strangulation	51	4	—	2	4	7	14	9	6	—	2	3
Submersion (drowning)	2	1	—	—	—	—	—	1	—	—	—	—
Firearms and explosives	1,595	7	4	21	235	368	579	233	95	29	18	6
Cutting and piercing	312	—	1	1	31	37	117	58	33	23	9	2
Child battering	21	17	4	—	—	—	—	—	—	—	—	—
Fire and flames	106	3	—	2	19	32	33	9	4	—	2	2
Pushing from high place	6	—	—	—	1	—	3	2	—	—	—	—
Striking with object	86	3	—	1	3	4	22	24	14	8	3	4
Fight, brawl, or rape	2	1	—	—	—	—	—	—	—	1	—	—
Late effects	1	—	—	—	—	—	—	1	—	—	—	—
Legal intervention	18	—	—	—	—	5	9	4	—	—	—	—
Other and unspecified means	71	8	—	1	1	7	13	9	5	9	14	4

Table 11. Other Injury, Undetermined Whether Accidentally or Purposely Inflicted

Method	All Ages	0-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65-74	75+
Total	158	14	1	—	5	8	37	39	21	10	17	6
Fire and flames	12	2	1	—	—	—	4	1	1	1	2	—
Poisoning by solid or liquid substances	14	—	—	—	—	—	2	4	4	2	2	—
Poisoning by gases and vapors	3	—	—	—	—	—	—	2	—	1	—	—
Hanging, strangulation or suffocation	1	—	—	—	—	—	1	—	—	—	—	—
Submersion (drowning)	26	—	—	—	—	2	12	6	1	2	1	2
Firearms and explosives	7	—	—	—	1	1	—	2	2	1	—	—
Falling from high places	9	—	—	—	1	—	6	2	—	—	—	—
Other and unspecified means	86	12	—	—	3	5	12	22	13	3	12	4



Table 12.

## Deaths from AIDS by Age, Sex and Ethnic Group, New York City, 1983-1990

AGE GROUP/ETHNIC GROUP	MALE								FEMALE							
	1983	1984	1985	1986	1987	1988	1989	1990	1983	1984	1985	1986	1987	1988	1989	1990
ALL AGES																
Total	376	826	1,463	2,265	2,651	3,086	3,488	3,663	49	126	200	385	508	653	705	816
Puerto Rican	53	134	203	357	484	499	664	560	12	42	43	89	98	148	161	166
Other Hispanic	27	57	128	174	202	328	306	371	3	3	7	13	16	66	60	59
Asian	7	4	20	16	19	25	33	26	1	1	—	2	2	1	3	3
Other White	173	356	604	844	921	1,005	1,194	1,275	9	16	30	65	65	87	105	121
Other Black	110	254	430	696	800	1,098	1,078	1,132	24	61	103	180	261	330	349	398
Other & Unknown	6	21	78	178	225	131	213	299	—	3	17	36	66	21	27	69
UNDER 1																
Total	1	3	6	7	16	16	18	17	1	5	5	14	20	5	16	21
Puerto Rican	—	2	1	1	2	5	4	2	—	—	—	3	1	—	4	4
Other Hispanic	—	—	1	—	1	—	6	2	—	2	—	1	1	1	3	1
Asian	—	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—
Other White	—	1	1	2	5	4	1	4	1	—	1	3	1	—	1	2
Other Black	1	—	2	4	6	6	6	7	—	3	3	6	14	3	8	14
Other & Unknown	—	—	—	—	2	1	1	2	—	—	1	1	3	1	—	—
1-14																
Total	4	4	14	19	26	25	28	40	3	6	13	22	26	24	18	26
Puerto Rican	1	1	1	2	6	5	6	8	—	3	2	3	4	4	3	8
Other Hispanic	—	—	—	2	4	2	2	3	—	—	—	3	1	5	2	3
Asian	—	—	2	—	—	—	—	—	—	—	—	1	—	—	—	—
Other White	2	2	4	1	3	—	5	5	1	—	1	3	7	5	4	3
Other Black	1	1	7	13	13	17	15	22	2	3	10	9	11	9	8	10
Other & Unknown	—	—	—	1	—	1	—	2	—	—	—	3	3	1	1	2
15-24																
Total	9	22	31	63	64	51	57	50	5	10	12	22	16	31	34	26
Puerto Rican	2	6	8	15	16	12	16	10	1	5	2	7	3	11	12	4
Other Hispanic	1	2	4	3	8	7	11	11	—	—	1	—	2	3	1	2
Asian	—	—	—	1	—	—	—	—	—	—	—	—	—	—	—	—
Other White	3	4	5	18	10	11	6	8	—	—	1	3	1	5	6	5
Other Black	2	10	13	21	22	17	23	17	4	4	4	11	9	12	11	11
Other & Unknown	1	—	1	5	8	4	1	4	—	1	4	1	1	—	4	4
25-34																
Total	132	272	496	743	866	982	963	973	22	74	97	186	245	288	294	315
Puerto Rican	20	54	82	156	181	219	227	193	4	23	22	44	43	74	80	72
Other Hispanic	10	19	40	56	59	114	93	110	1	—	3	3	9	27	32	23
Asian	4	2	1	5	5	2	9	3	—	1	—	1	1	—	1	—
Other White	46	100	194	238	282	254	298	303	4	13	16	38	29	31	42	49
Other Black	52	91	153	234	260	343	281	299	13	37	49	87	129	146	129	152
Other & Unknown	—	6	26	54	79	50	55	65	—	—	7	13	34	10	10	19
35-44																
Total	162	335	601	937	1,058	1,298	1,517	1,675	12	24	56	107	147	236	261	318
Puerto Rican	25	58	85	136	193	191	280	245	5	9	15	28	34	44	47	58
Other Hispanic	9	23	42	76	75	129	117	164	2	1	3	5	1	24	13	21
Asian	3	1	9	5	7	15	14	15	—	—	—	—	—	—	1	2
Other White	81	141	254	351	365	427	499	588	1	1	6	13	19	38	34	42
Other Black	39	105	176	289	334	497	515	524	4	11	29	49	75	122	156	166
Other & Unknown	5	7	35	80	84	39	92	139	—	2	3	12	18	8	10	29
45-54																
Total	48	138	233	363	430	514	641	671	4	4	11	24	37	49	54	71
Puerto Rican	4	10	22	34	63	58	105	78	2	1	2	2	12	12	14	14
Other Hispanic	6	13	30	26	42	57	55	62	—	—	—	1	2	5	5	4
Asian	—	1	5	3	5	4	8	7	—	—	—	—	—	1	—	—
Other White	24	80	102	164	166	210	263	275	1	1	3	3	3	2	9	11
Other Black	14	29	62	109	112	161	170	189	1	2	5	13	15	28	25	30
Other & Unknown	—	5	12	27	42	24	40	60	—	—	1	5	5	1	1	12
55 & over																
Total	20	52	82	133	191	200	264	237	2	3	6	10	17	20	28	39
Puerto Rican	1	3	4	13	23	9	26	24	—	1	—	2	1	3	1	6
Other Hispanic	1	—	11	11	13	19	22	19	—	—	—	—	—	1	4	5
Asian	—	—	2	2	2	4	2	1	1	—	—	—	1	—	1	1
Other White	17	28	44	70	90	99	122	92	1	1	2	2	5	6	9	9
Other Black	1	18	17	26	53	57	68	74	—	1	3	5	8	10	12	15
Other & Unknown	—	3	4	11	10	12	24	27	—	—	1	1	2	—	1	3

For 1983-1986, acquired immunodeficiency syndrome (AIDS) is ICD code 279.1; beginning 1987, it is ICD code 042. In 1982, 30 deaths were attributed to AIDS.

Table 13.

## Characteristics of Decedents with Selected Causes of Death, New York City, 1990

Cause of Death	Total	Percent of Total Deaths with Specified Characteristic								
		Ethnic Group						Male	Never Married	Age Under 20
		Puerto Rican	Other Hispanic	Asian	Other White	Other Black	Other & Unknown			
All Causes	73,875	6.2	5.0	2.9	56.0	24.0	5.8	52.2	24.2	3.6
AIDS	4,479	16.2	9.6	0.6	31.2	34.2	8.2	81.8	66.6	2.5
Chronic Liver Disease and Cirrhosis	1,016	18.3	8.2	1.7	36.8	27.5	7.6	69.6	26.4	0.1
Drug Dependence and Accidental Drug Poisoning	695	14.4	9.9	0.6	27.1	45.6	2.4	77.4	51.4	0.3
Motor Vehicle Accidents	704	8.5	13.5	3.6	46.7	25.3	2.4	69.9	44.6	13.9
Other Accidents	922	6.3	8.7	2.7	53.1	27.3	1.8	62.3	33.6	8.8
Suicide	646	7.0	11.6	5.0	51.7	22.0	2.8	70.3	44.6	3.6
Homicide	2,272	10.0	24.8	2.5	13.8	47.1	1.8	86.3	63.5	16.5
Injury Undetermined	158	4.4	11.4	2.5	41.1	32.9	7.6	69.0	38.6	12.7
All Other Causes	62,983	5.0	3.6	3.1	60.2	22.1	5.9	47.8	18.8	3.1

Table 14.

Life Expectancy at Specified Ages by Sex and Race  
New York City, 1950-1980 and United States, 1980

Exact Age in Years	MALE									
	New York City								United States	
	1950		1960		1970		1980		1980	
	White	Nonwhite	White	Nonwhite	White	Nonwhite	White	Nonwhite	White	Nonwhite
0	66.1	59.3	67.3	60.8	67.1	61.5	69.1	65.4	70.7	65.3
5	63.4	58.0	64.3	59.2	63.7	58.9	65.4	61.8	66.8	61.9
10	58.6	53.3	59.5	54.5	58.9	54.0	60.6	57.0	61.9	57.1
15	53.7	48.5	54.6	49.6	54.0	49.2	55.7	52.0	57.0	52.2
20	48.9	44.0	49.8	45.0	49.4	44.8	51.0	47.7	52.4	47.5
30	39.4	35.5	40.4	36.3	40.4	36.8	42.1	39.0	43.2	38.8
40	30.1	27.4	31.2	28.5	31.4	29.1	33.2	30.8	34.0	30.3
50	21.8	20.4	22.6	21.5	23.3	22.2	24.9	23.3	25.2	22.6
60	15.0	15.0	15.6	15.7	16.3	16.5	17.6	16.9	17.5	16.2
70	9.7	10.7	10.1	11.5	10.8	12.0	11.6	11.7	11.3	11.1

Exact Age in Years	FEMALE									
	New York City								United States	
	1950		1960		1970		1980		1980	
	White	Nonwhite	White	Nonwhite	White	Nonwhite	White	Nonwhite	White	Nonwhite
0	71.2	64.2	73.1	67.6	74.8	71.2	77.1	74.2	78.1	73.6
5	68.0	62.6	69.8	65.6	71.2	68.5	73.3	70.7	74.0	70.2
10	63.2	57.8	64.9	60.8	66.4	63.6	68.4	65.8	69.1	65.3
15	58.3	53.0	60.0	55.9	61.5	58.7	63.5	60.9	64.2	60.4
20	53.4	48.4	55.2	51.1	56.7	54.0	58.7	56.0	59.4	55.5
30	43.8	39.5	45.5	41.9	47.1	44.7	49.1	46.6	49.7	46.0
40	34.4	30.9	36.1	33.4	37.8	36.0	39.6	37.4	40.1	36.8
50	25.6	23.4	27.2	25.6	29.0	28.1	30.6	28.9	30.9	28.3
60	17.7	17.3	19.0	18.7	20.9	21.2	22.3	21.3	22.4	20.7
70	11.1	11.9	11.9	13.0	13.6	15.1	14.9	14.6	14.8	14.2

Figure 1. New York City Health Center Districts



**Table 15. Average Yearly Age-Sex-Specific Death Rates per 1,000 Population, New York City, 1909-1981.**

Age	1909-'10-'11		1919-'20*		1929-'30-'31		1939-'40-'41		1949-'50-'51		1959-'60-'61		1969-'70-'71		1979-'80-'81	
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
0-4	50.2	43.2	32.4	26.5	19.4	15.4	11.3	8.8	7.6	6.0	8.2	6.4	6.6	5.3	4.6	3.8
5-9	4.2	3.9	3.8	3.1	2.5	2.0	1.0	0.8	0.6	0.5	0.7	0.5	0.6	0.4	0.4	0.3
10-14	2.4	2.3	2.4	2.2	1.7	1.3	0.9	0.7	0.6	0.4	0.5	0.3	0.5	0.3	0.4	0.3
15-19	3.9	3.1	4.0	3.7	2.6	2.2	1.3	1.1	0.9	0.6	0.9	0.5	1.8	0.7	1.3	0.5
20-24	5.3	4.6	5.8	5.4	3.4	3.2	1.7	1.6	1.3	0.9	1.5	0.7	2.9	0.9	2.5	0.8
25-29	6.9	5.9	6.5	6.9	3.8	3.4	2.2	2.0	1.4	1.2	1.7	1.0	2.8	1.1	3.0	0.9
30-34	9.6	7.6	7.7	7.0	5.1	4.1	3.1	2.4	2.0	1.6	2.4	1.6	3.3	1.7	3.4	1.2
35-39	13.0	9.3	9.2	7.3	7.0	5.0	4.5	3.2	3.2	2.2	3.5	2.3	4.8	2.5	4.0	1.8
40-44	16.5	11.2	10.9	9.0	10.1	6.9	7.0	4.8	5.5	3.6	5.6	3.5	6.7	3.6	5.6	2.7
45-49	20.8	14.3	15.2	12.1	14.8	10.5	11.7	7.4	8.9	5.3	8.6	5.0	9.5	5.3	8.4	4.2
50-54	26.5	19.1	20.6	16.3	22.0	15.0	17.2	11.5	14.5	8.3	13.7	7.2	13.5	7.3	12.0	6.2
55-59	37.0	28.8	30.1	24.8	32.0	23.4	25.9	17.5	22.6	12.8	19.7	9.8	19.8	9.9	16.5	8.7
60-64	51.4	44.1	40.8	33.8	44.7	35.3	37.9	26.8	32.9	20.5	30.0	15.8	28.3	13.4	24.1	12.8
65-69	68.5	58.9	60.1	55.0	62.0	50.2	55.0	40.8	46.2	29.7	43.4	24.2	41.1	20.3	34.1	17.9
70-74	89.6	81.2	85.1	79.5	84.3	73.3	78.9	62.5	68.0	49.7	61.1	40.7	57.3	32.6	49.9	26.7
75-79	127.3	114.4	116.2	107.6	120.7	109.2	111.4	93.3	95.9	77.0	87.7	65.6	83.1	55.3	69.9	41.0
80-84	167.4	159.6	162.6	143.6	170.9	151.2	149.8	141.5	134.0	121.2	138.9	117.1	120.3	91.7	106.2	72.3
85 & Over	257.4	232.3	224.8	210.2	242.8	227.5	230.5	222.2	202.8	183.8	206.6	198.3	167.0	155.6	179.1	147.7

\*Only two years are used for the 1919-1920 rate because the census was taken on January 1, 1920, the midpoint of the period.

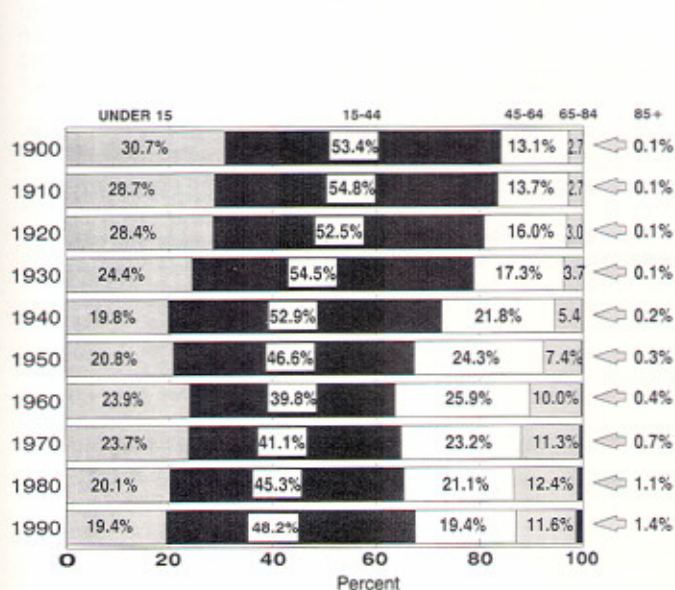
**Table 16. Average Yearly Age-Sex-Race Adjusted Death Rates\* for Selected Causes per 100,000 Population New York City, 1901-1981**

Cause of Death	1901-'03	1909-'11	1919-'20	1929-'31	1939-'41	1949-'51	1959-'61	1969-'71	1979-'81
All causes	2,324.2	1,934.1	1,691.4	1,449.0	1,128.1	885.8	813.3	771.1	655.8
Respiratory tuberculosis	241.0	191.4	143.7	73.7	48.6	25.2	7.3	3.0	0.9
Other forms of tuberculosis	31.2	25.2	22.0	10.9	5.2	2.1	0.5	0.3	0.2
Influenza and pneumonia	302.8	260.8	301.7	178.6	60.3	30.7	36.4	29.0	20.7
Malignant neoplasms	116.8	124.8	134.3	156.0	176.9	170.6	162.9	161.2	154.3
Diabetes	23.3	25.4	26.5	35.8	43.6	17.0	14.8	15.9	11.8
Appendicitis	13.4	13.6	14.6	16.9	9.4	2.3	1.2	0.5	0.2
Nephritis	244.8	181.9	141.6	63.3	52.6	6.7	5.5	3.5	2.7
Diseases of circulatory system	258.6	383.2	427.7	506.7	421.1	404.8	355.8	306.6	294.0
Cardiovascular-Renal	634.8	599.3	601.1	582.5	515.4	444.0	416.1	356.7	296.8
Total accidents	108.2	87.8	73.8	81.3	55.9	38.4	28.1	22.7	17.5
Auto accidents	**	**	14.9	22.6	12.8	7.3	7.7	11.0	7.8
Other accidents	**	**	58.9	58.7	43.1	31.0	20.3	11.6	9.6
Suicide	26.8	21.2	14.1	21.3	14.3	9.7	9.2	6.4	10.0
Homicide	3.6	5.1	6.2	8.0	4.4	4.0	5.3	14.0	23.0

\*For 1901-'03 and 1909-'11 rates are adjusted for age and sex. For other years, rates are adjusted for age, sex and race (white and others). Standard is United States population, 1940.

\*\*Data are not available until a later time period.

**Figure 2. NEW YORK CITY'S CHANGING AGE COMPOSITION 1900 to 1990**



**Figure 3. AGE AND SEX COMPOSITION NEW YORK CITY, 1990**

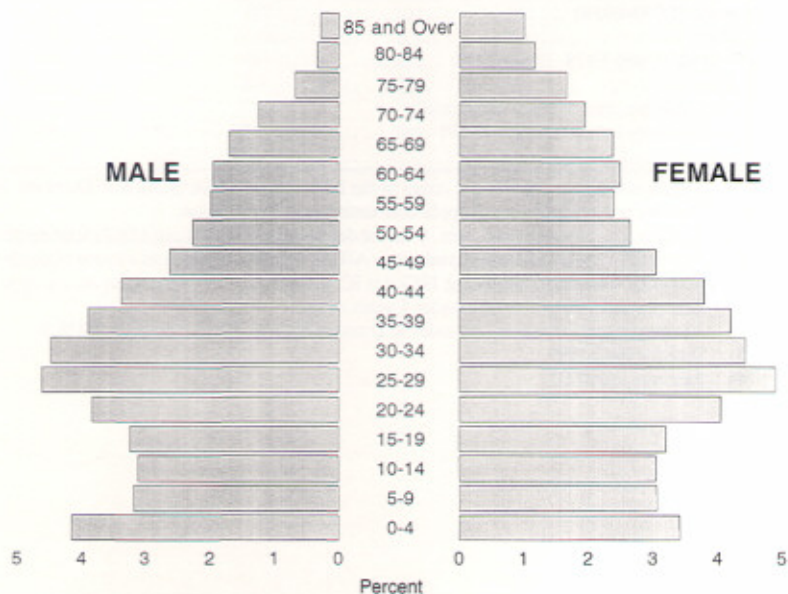


Table 17.

## Deaths and Crude Death Rates from Selected Causes

CAUSE (ICD-9 Codes*)	ANNUAL									
	1901-1905	1906-1910	1911-1915	1916-1920	1921-1925	1926-1930	1931-1935	1936-1940	1941-1945	1946-1948
Infant deaths (under 1 year) .....	15,611	16,609	14,060	12,004	8,895	7,662	5,521	4,079	3,828	4,298
Rate per 1,000 live births .....	120.8	115.2	100.0	88.2	68.9	61.0	52.0	39.8	30.3	26.8
Neonatal deaths (under 28 days) .....	**	**	5,143	4,894	4,309	3,892	3,152	2,631	2,764	3,298
Rate per 1,000 live births .....			37.4	36.0	33.0	31.0	29.7	25.7	21.9	20.5
Infant deaths under 7 days .....	**	**	**	**	**	**	**	2,110	2,338	2,845
Rate per 1,000 live births .....								20.5	18.5	17.7
Fetal deaths 28 weeks gestation & over .....	**	**	**	**	**	**	**	2,589	2,709	2,902
Ratio per 1,000 live births .....								25.3	21.4	18.1
Perinatal rate (1) .....	**	**	**	**	**	**	**	44.7	39.1	35.1
Complications of pregnancy, childbirth and the puerperium (630-676) .....	694	745	694	664	689	651	608	372	255	178
Rate per 10,000 live births .....	53.7	51.7	49.4	48.8	52.8	51.8	57.3	36.3	20.2	11.1
Respiratory tuberculosis (010-012) .....	8,154	8,832	8,745	7,915	4,937	4,574	4,068	3,680	3,281	2,932
Rate .....	215.4	197.5	173.2	144.1	80.0	68.2	57.3	50.0	43.2	37.7
Acquired immunodeficiency syndrome (042) ..	**	**	**	**	**	**	**	**	**	**
Rate (2) .....										
Measles (055) .....	616	925	630	559	405	255	107	31	14	16
Rate (3) .....	144.0	191.8	119.8	100.5	73.2	46.8	21.4	6.5	2.6	2.4
Malignant neoplasms (140-208) .....	2,621	3,334	4,256	4,993	6,229	7,637	9,062	11,257	13,169	14,627
Rate .....	69.2	74.5	84.3	90.9	100.9	113.9	127.6	152.9	173.3	188.2
Diabetes mellitus (250) .....	520	690	916	1,063	1,284	1,624	2,140	2,787	3,131	3,423
Rate .....	13.7	15.4	18.1	19.4	20.8	24.2	30.1	37.9	41.2	44.0
Circulatory system (390-459) .....	5,954	9,148	12,699	14,792	18,114	21,815	23,706	25,711	30,886	32,539
Rate .....	157.3	204.5	251.5	269.3	293.3	325.5	333.8	349.2	406.6	418.7
Cerebrovascular disease (430-438) .....	2,593	1,790	970	834	719	723	1,333	3,846	3,611	3,710
Rate .....	68.4	40.0	19.2	15.2	11.6	10.8	20.2	52.2	47.5	47.7
Pneumonia & Influenza (480-487) .....	10,425	10,985	10,528	17,136	8,935	9,989	8,205	5,337	3,453	3,014
Rate .....	275.4	245.6	208.5	312.0	144.7	149.0	115.5	72.5	45.5	38.8
Other respiratory (460-478, 490-519) .....	3,224	2,307	1,458	1,407	689	622	594	536	492	424
Rate .....	85.2	51.6	38.9	25.6	11.2	9.3	8.4	7.3	6.5	5.5
Chronic liver disease & cirrhosis (571) .....	814	1,076	900	500	338	413	584	922	1,052	1,500
Rate .....	21.5	24.1	17.8	9.1	5.5	6.2	8.2	12.5	13.8	17.5
Nephritis, nephrosis, etc. (580-589) .....	5,752	5,600	5,499	5,676	4,108	3,411	3,608	3,675	3,081	2,574
Rate .....	151.9	125.2	108.9	103.4	50.9	50.8	50.9	40.6	40.6	33.1
Drug dependence (304) .....	**	**	**	**	**	**	**	**	**	**
Rate .....										
Accidental drug poisoning (4) .....	**	**	**	**	**	**	**	*	**	**
Rate .....										
Motor vehicle accidents (E810-E825) .....	**	**	253	658	929	1,175	1,167	920	728	635
Rate .....			5.0	12.0	15.0	17.5	16.4	12.5	9.6	8.2
Home Accidents .....	**	**	**	**	**	**	**	1,546	1,823	1,941
Rate .....								21.0	24.0	25.0
Other accidents (Rest of E800-E949) .....	3,521	3,549	3,516	3,426	3,138	3,574	3,205	3,107	3,091	3,255
Rate .....	93.0	79.3	69.3	62.4	50.8	53.3	45.1	42.2	40.7	41.9
Suicide (E950-E959) .....	761	825	686	742	842	1,163	1,369	1,191	907	930
Rate .....	20.1	18.4	17.2	13.5	13.6	17.4	19.3	16.2	11.9	12.0
Homicide (E960-E978, E990-E999) .....	143	247	293	271	334	405	522	351	265	362
Rate .....	3.8	5.5	5.8	4.9	5.4	6.0	7.4	4.5	3.5	4.7
Injury undetermined whether accidentally or purposely inflicted (E980-E989) .....	**	**	**	**	**	**	**	**	**	**
Rate .....										

\* Numbers following causes are codes of the International Classification of Diseases, Ninth Revision.

\*\* Data are not available or not applicable until a later time period.

(1) (Fetal deaths 28 weeks and over + infant deaths under 7 days) per 1,000 (fetal deaths 28 weeks and over + live births).

(2) Acquired immunodeficiency syndrome (AIDS) was first reported as a cause of death in 1982. From 1982 to 1986, the ICD code was 279.1; beginning 1987 it is ICD code 042.

(3) Rate per 100,000 population under 5 years of age.

(4) Accidental drug poisoning includes ICD codes E850.0, E854.1, E855.2, E858.8.

(5) Data for 1982-1985.

(6) Rate less than 0.05.

per 100,000 Population, New York City, 1901-1990

AVERAGE

1949-1951	1952-1955	1956-1960	1961-1965	1966-1970	1971-1975	1976-1980	1981-1985	1986	1987	1988	1989	1990
3,882	4,021	4,290	4,333	3,477	2,312	1,875	1,624	1,566	1,673	1,770	1,827	1,620
24.5	24.6	25.7	26.2	23.6	19.9	17.4	14.4	12.8	13.1	13.4	13.3	11.6
2,989	3,032	3,220	3,226	2,602	1,714	1,333	1,097	1,078	1,139	1,232	1,253	1,091
18.9	18.5	19.3	19.5	17.7	14.8	12.3	9.7	8.8	8.9	9.3	9.1	7.8
2,604	2,713	2,909	2,922	2,351	1,480	1,131	927	909	977	1,027	1,039	908
16.4	16.6	17.4	17.7	16.0	12.8	10.5	8.2	7.4	7.7	7.8	7.5	6.5
2,441	2,310	2,362	2,276	1,885	1,288	835	719	643	741	689	721	696
15.4	14.1	14.1	13.8	12.8	11.1	7.7	6.4	5.3	5.8	5.2	5.2	5.0
31.3	30.2	31.1	31.0	28.4	23.6	18.1	14.5	12.7	13.4	10.0	12.7	11.4
115	102	107	109	73	36	28	33	29	28	26	29	35
7.3	6.2	6.4	6.6	5.0	3.1	2.6	2.9	2.4	2.2	2.0	2.1	2.5
2,173	1,178	824	624	432	235	141	125	160	154	200	173	182
27.4	15.0	10.6	8.0	5.5	3.1	2.0	1.8	2.3	2.2	2.8	2.4	2.5
**	**	**	**	**	**	**	**	768(5)	2,650	3,159	3,739	4,193
								10.9	37.5	44.7	52.9	59.3
10	12	12	8	2	1	0	0	0	0	0	0	0
1.4	1.8	1.8	1.1	0.2	0.2	—	—	—	—	—	—	—
15,556	16,553	16,869	17,398	17,814	17,315	16,549	15,889	15,861	15,822	15,655	15,208	15,513
196.0	210.6	216.1	222.1	226.3	226.3	228.7	224.7	224.3	223.8	221.4	215.1	211.9
1,583	1,644	1,581	1,789	1,867	2,064	1,547	1,436	1,370	1,332	1,302	997	991
19.9	20.9	20.3	22.9	23.7	27.0	21.4	20.3	19.4	18.8	18.4	14.1	13.5
36,206	37,724	38,988	39,943	41,981	40,639	37,978	37,818	35,246	33,967	33,793	32,665	31,966
456.3	479.9	499.5	510.2	532.4	531.1	524.8	534.8	498.5	480.4	477.9	462.0	436.5
5,099	5,688	6,013	6,174	6,277	5,433	4,174	3,194	3,230	2,946	2,856	2,893	2,709
64.3	72.4	77.0	78.9	79.7	71.0	57.7	45.2	45.7	41.7	40.4	40.9	37.0
2,469	2,664	3,459	3,394	3,562	3,164	3,000	2,740	3,257	3,175	3,327	3,397	3,612
31.2	33.9	44.3	43.4	45.2	41.4	41.5	38.7	46.1	44.9	47.1	48.0	49.3
450	461	651	960	1,425	1,627	1,583	1,941	2,525	2,513	2,548	2,541	2,408
5.7	5.9	8.3	12.3	18.1	21.3	21.9	27.5	35.7	35.5	36.0	35.9	32.9
1,500	1,440	1,858	2,386	2,936	2,440	2,185	1,789	1,532	1,432	1,377	1,086	1,016
19.2	18.3	23.8	30.5	37.3	31.9	30.2	25.3	21.7	20.3	19.5	15.4	13.9
570	556	573	509	447	372	381	383	689	791	931	970	699
7.2	7.1	7.3	6.5	5.7	4.9	5.3	5.4	9.7	11.2	13.2	13.7	9.5
**	81	96	263	551	677	414	573	767	956	1,208	591	413
**	1.0	1.2	3.4	7.0	8.8	5.7	8.1	10.8	13.5	17.1	8.4	5.6
**	**	**	**	**	**	**	**	1	0	2	429	282
							(6)	—	—	(6)	6.1	3.9
600	634	655	714	887	834	606	477	514	622	618	663	704
7.6	8.1	8.4	9.1	11.3	10.9	8.4	6.7	7.3	8.8	8.7	9.4	9.6
1,699	1,568	1,095	951	871	755	525	486	555	485	603	752	552
21.4	19.9	14.0	12.1	11.1	9.9	7.3	6.9	7.8	6.9	8.5	10.6	7.5
2,707	2,450	2,091	1,947	1,730	1,239	926	812	791	677	857	1,151	922
34.3	31.2	26.8	24.9	22.0	16.2	12.8	11.5	11.2	9.6	12.1	16.3	12.6
863	649	711	908	680	641	711	603	593	502	557	703	646
10.9	8.3	9.1	11.6	8.6	8.4	9.8	8.5	8.4	7.1	7.9	9.9	8.8
318	340	366	592	992	1,663	1,700	1,763	1,635	1,691	1,943	1,970	2,272
4.0	4.3	4.7	7.6	12.6	21.7	23.5	24.9	23.1	23.9	27.5	27.9	31.0
**	**	**	**	946	1,062	699	696	661	790	727	186	158
				10.9	13.9	9.7	9.8	9.3	11.2	10.3	2.6	2.2

Revision of International Classification of Diseases and year of implementation:

5th, 1939

6th, 1949 - Description of major changes and comparability ratios appear in Vital Statistics Summary of 1961 and earlier.

7th, 1959

8th, 1969 - New rubric in external causes makes accidents and suicides not comparable with prior years.

9th, 1979

Table 18.

**Live Births, Spontaneous and Induced Terminations of Pregnancy  
by Borough of Residence and Age of Woman, New York City, 1990**

Borough of Residence/ Pregnancy Outcome	Total All Ages	Age of Woman								Unknown & Not Stated
		Under 15	15-17	18-19	20-24	25-29	30-34	35-39	40 & Over	
<b>NEW YORK CITY</b> .....	247,596	1,155	11,938	18,997	64,294	68,786	51,077	23,922	5,708	1,719
Live Births .....	139,630	374	5,124	8,633	32,118	41,361	33,536	15,103	3,113	268
Spontaneous Terminations .....	5,764	15	141	250	1,003	1,491	1,419	913	389	143
Induced Terminations .....	102,202	766	6,673	10,114	31,173	25,934	16,122	7,906	2,206	1,308
<b>MANHATTAN</b> .....	38,514	190	1,863	2,717	9,273	10,126	8,496	4,479	1,120	250
Live Births .....	22,186	78	910	1,267	4,373	5,929	5,774	3,116	685	54
Spontaneous Terminations .....	739	3	19	37	111	157	199	147	47	19
Induced Terminations .....	15,589	109	934	1,413	4,789	4,040	2,523	1,216	388	177
<b>BRONX</b> .....	46,985	278	2,961	4,379	14,049	13,043	8,052	3,236	671	316
Live Births .....	26,158	102	1,420	2,235	7,494	7,708	4,873	1,904	371	51
Spontaneous Terminations .....	540	—	27	35	125	141	121	63	15	13
Induced Terminations .....	20,287	176	1,514	2,109	6,430	5,194	3,058	1,269	285	252
<b>BROOKLYN</b> .....	83,099	397	4,207	6,915	22,443	22,805	16,140	7,677	1,921	594
Live Births .....	46,146	140	1,921	3,323	11,673	13,346	10,032	4,620	1,004	87
Spontaneous Terminations .....	2,233	4	52	103	421	604	508	334	166	41
Induced Terminations .....	34,720	253	2,234	3,489	10,349	8,855	5,600	2,723	751	466
<b>QUEENS</b> .....	49,026	167	1,829	3,291	12,544	14,595	10,506	4,693	1,078	323
Live Births .....	28,924	45	709	1,462	6,562	9,445	7,178	2,912	561	50
Spontaneous Terminations .....	1,059	3	21	43	180	285	279	167	70	11
Induced Terminations .....	19,043	119	1,099	1,786	5,802	4,865	3,049	1,614	447	262
<b>RICHMOND</b> .....	9,173	20	274	501	1,951	2,929	2,376	917	172	33
Live Births .....	6,391	6	111	214	1,144	2,237	1,920	662	89	8
Spontaneous Terminations .....	400	1	8	7	60	112	117	62	23	10
Induced Terminations .....	2,382	13	155	280	747	580	339	193	60	15
<b>NON-RESIDENTS</b> .....	17,246	71	590	880	3,033	4,410	4,905	2,637	627	93
Live Births .....	9,662	2	46	120	844	2,637	3,721	1,882	400	10
Spontaneous Terminations .....	304	—	2	6	23	65	89	79	35	5
Induced Terminations .....	7,280	69	542	754	2,166	1,708	1,095	676	192	78
<b>RESIDENCE UNKNOWN</b> .....	3,553	32	214	314	1,001	878	602	283	119	110
Live Births .....	163	1	7	12	28	59	38	7	3	8
Spontaneous Terminations .....	489	4	12	19	83	127	106	61	33	44
Induced Terminations .....	2,901	27	195	283	890	692	458	215	83	58

Table 19.

**Spontaneous Terminations of Pregnancy by Gestation and Age of Woman  
New York City, 1990**

Gestation in Weeks	Total	Age of Woman								Not Stated
		Under 15	15-17	18-19	20-24	25-29	30-34	35-39	40 & Over	
Under 13 .....	2,454	4	50	101	372	655	608	428	207	29
13-15 .....	528	2	13	24	91	128	142	84	35	9
16-19 .....	498	1	9	20	87	129	143	68	38	3
20-27 .....	838	2	28	36	182	202	191	153	34	10
28 & Over .....	694	2	28	27	158	186	167	84	36	6
Not Stated .....	752	4	13	42	113	191	168	96	39	86
<b>Total</b> .....	<b>5,764</b>	<b>15</b>	<b>141</b>	<b>250</b>	<b>1,003</b>	<b>1,491</b>	<b>1,419</b>	<b>913</b>	<b>389</b>	<b>143</b>

**Table 20. Live Births, Spontaneous Terminations of 28 Weeks Gestation and Over and Induced Terminations of Pregnancy by Boroughs of Residence and Occurrence New York City, 1990**

Borough of Residence/ Pregnancy Outcome	Total	Manhattan	Borough of Occurrence				Richmond
			Bronx	Brooklyn	Queens	Richmond	
<b>NEW YORK CITY</b> .....	242,526	93,042	31,799	59,429	51,765	6,491	
Live births .....	139,630	43,049	22,872	40,510	27,057	6,142	
Spontaneous Terminations .....	694	169	109	268	113	35	
Induced Terminations .....	102,202	49,824	8,818	18,651	24,595	314	
<b>MANHATTAN</b> .....	37,849	35,208	1,014	379	1,234	14	
Live births .....	22,186	21,190	646	160	178	12	
Spontaneous Terminations .....	74	71	1	2	—	—	
Induced Terminations .....	15,589	13,947	367	217	1,056	2	
<b>BRONX</b> .....	46,564	16,658	27,928	435	1,536	7	
Live births .....	26,158	5,191	20,621	138	201	7	
Spontaneous Terminations .....	119	22	95	1	1	—	
Induced Terminations .....	20,287	11,445	7,212	296	1,334	—	
<b>BROOKLYN</b> .....	81,140	19,449	265	53,835	7,224	367	
Live births .....	46,146	6,776	137	37,617	1,263	353	
Spontaneous Terminations .....	274	24	—	245	4	1	
Induced Terminations .....	34,720	12,649	128	15,973	5,957	13	
<b>QUEENS</b> .....	48,081	9,370	403	2,281	35,996	31	
Live births .....	28,924	4,667	199	1,440	22,590	28	
Spontaneous Terminations .....	114	13	—	7	94	—	
Induced Terminations .....	19,043	4,690	204	834	13,312	3	
<b>RICHMOND</b> .....	8,808	1,785	19	1,082	163	5,759	
Live births .....	6,391	303	7	577	54	5,450	
Spontaneous Terminations .....	35	1	—	1	—	33	
Induced Terminations .....	2,382	1,481	12	504	109	276	
<b>NON-RESIDENTS</b> .....	16,977	9,147	1,845	894	4,795	296	
Live births .....	9,662	4,865	1,240	529	2,741	287	
Spontaneous Terminations .....	35	23	5	—	6	1	
Induced Terminations .....	7,280	4,259	600	365	2,048	8	
<b>RESIDENCE UNKNOWN</b> .....	3,107	1,425	325	523	817	17	
Live births .....	163	57	22	49	30	5	
Spontaneous Terminations .....	43	15	8	12	8	—	
Induced Terminations .....	2,901	1,353	295	462	779	12	

**Table 21. Live Births by Ancestry of Mother and Borough of Residence, New York City, 1990**

Ancestry of Mother	Total	Borough of Residence						Non-Residents	Residence Unknown
		Manhattan	Bronx	Brooklyn	Queens	Richmond	Richmond		
Puerto Rican .....	19,327	2,855	8,397	5,713	1,652	346	346	18	
Dominican .....	11,604	4,592	3,397	1,859	1,584	34	116	22	
Colombian .....	2,017	111	72	199	1,548	20	66	1	
Ecuadorian .....	1,905	232	342	454	820	19	35	3	
Mexican .....	3,045	497	777	1,040	642	45	35	9	
Cuban .....	498	129	93	63	127	17	69	—	
Other Hispanic .....	5,843	639	1,005	1,738	2,110	164	178	9	
African-American .....	27,400	4,364	6,311	10,842	4,626	686	533	38	
American .....	10,530	1,028	396	4,446	2,158	1,060	1,435	7	
Guyanese .....	1,889	32	265	923	639	3	24	3	
Haitian .....	3,143	123	58	2,141	732	16	70	3	
Jamaican .....	3,053	59	696	1,597	604	23	72	2	
Trinidadian .....	1,155	24	43	832	235	10	10	1	
All Other North, Central and South American .....	5,192	427	994	2,594	934	46	192	5	
English .....	1,175	501	61	198	118	35	261	1	
German .....	2,035	510	109	348	405	179	484	—	
Irish .....	4,926	609	557	887	982	807	1,081	3	
Italian .....	7,270	481	610	1,880	1,362	1,706	1,227	4	
Polish .....	1,467	231	32	485	339	112	265	3	
Russian .....	1,795	450	47	632	279	29	356	2	
Other European .....	2,287	667	102	556	348	132	480	2	
Chinese .....	4,019	1,055	98	1,326	1,194	72	269	5	
Asian Indian .....	1,618	103	163	221	932	67	131	1	
Korean .....	1,261	76	70	99	863	34	118	1	
Filipino .....	1,056	140	77	166	475	55	142	1	
Other Asian .....	4,440	514	287	1,700	1,415	156	365	3	
Other and Not Stated .....	9,680	1,737	1,099	3,207	1,801	518	1,302	16	
<b>Total</b> .....	139,630	22,186	26,158	46,146	28,924	6,391	9,662	163	

Table 22.

**Selected Characteristics of Live Births by Age of Mother  
New York City, 1990**

	Total	Age of Mother								Not Stated
		Under 15	15-17	18-19	20-24	25-29	30-34	35-39	40 & Over	
Total Live Births	139,630	374	5,124	8,633	32,118	41,361	33,536	15,103	3,113	268
Sex										
Male	71,376	199	2,589	4,388	16,551	21,039	17,208	7,645	1,607	150
Female	68,254	175	2,535	4,245	15,567	20,322	16,328	7,458	1,506	118
Race of Child										
White	80,278	157	2,426	4,417	17,758	23,683	20,156	9,530	2,017	134
Black	48,384	214	2,633	4,049	12,778	13,755	9,821	4,177	850	107
American Indian	101	1	6	10	25	28	19	10	2	—
Chinese	4,244	—	8	37	429	1,568	1,534	556	100	12
Japanese	326	—	1	—	17	75	124	92	16	1
Filipino	947	—	3	7	67	245	402	180	42	1
Other	5,350	2	47	113	1,044	2,007	1,480	558	86	13
Race of Child for Mothers of										
Hispanic Ancestry	44,239	158	2,327	3,834	12,908	12,986	8,011	3,243	691	81
White	38,770	145	2,054	3,374	11,346	11,370	6,971	2,838	601	71
Black	5,161	13	266	444	1,486	1,513	968	378	83	10
American Indian	23	—	2	3	5	6	4	2	1	—
Chinese	39	—	—	1	4	20	8	5	1	—
Japanese	9	—	—	—	4	3	1	—	1	—
Filipino	13	—	1	1	3	3	4	1	—	—
Other	224	—	4	11	60	71	55	19	4	—
Birth Order This Child (Live Births only)										
First	67,238	356	4,359	6,408	17,817	19,113	13,023	5,076	947	139
Second	37,461	17	665	1,764	8,924	11,630	9,637	4,053	708	63
Third	19,240	1	95	378	3,667	6,126	5,726	2,728	488	31
Fourth	8,248	—	5	71	1,203	2,645	2,595	1,378	335	16
Fifth	3,723	—	—	7	360	1,122	1,257	752	215	10
Sixth or more	3,720	—	—	5	147	725	1,298	1,116	420	9
Weight at Delivery										
Less than 500 grams	226	1	12	12	50	65	59	22	1	4
500-999 grams	1,023	4	42	59	237	285	252	111	22	11
1000-1499 grams	1,349	8	61	99	306	359	315	172	27	2
1500-1999 grams	2,591	14	112	160	563	740	640	305	52	5
2000-2499 grams	7,852	43	379	532	1,836	2,275	1,777	831	167	12
2500-2999 grams	26,287	93	1,290	1,893	6,508	7,631	5,724	2,557	535	56
3000-3499 grams	53,200	140	2,029	3,551	12,555	15,770	12,588	5,382	1,099	86
3500-3999 grams	35,684	58	1,014	1,870	7,901	10,695	9,072	4,143	870	61
4000-4499 grams	9,628	11	170	405	1,882	2,966	2,606	1,281	285	22
4500-4999 grams	1,523	1	12	44	236	491	441	244	53	1
5000 grams and over	196	—	2	4	26	66	47	49	2	—
Not stated	71	1	1	4	18	18	15	6	—	8
Plurality										
Single	136,060	374	5,049	8,493	31,413	40,311	32,504	14,608	3,047	261
Twin	3,404	—	75	140	687	1,018	945	472	63	4
Triplet	158	—	—	—	18	28	87	19	3	3
Quadruplet	8	—	—	—	—	4	—	4	—	—
Place of Birth										
Home	171	—	3	2	30	40	56	36	4	—
Hospital										
Voluntary/Private Service	62,110	38	518	1,195	9,019	19,834	19,954	9,497	1,968	87
Voluntary/General Service	39,903	178	2,440	3,952	11,802	11,013	7,000	2,851	589	78
Municipal	35,753	156	2,101	3,402	10,879	9,997	6,123	2,499	505	91
Maternity Center	305	1	15	9	69	74	72	51	13	1
Other	1,388	1	47	73	319	403	331	169	34	11
Attendant										
Physician	127,124	303	4,292	7,372	28,301	38,074	31,438	14,163	2,952	229
Nurse Midwife	12,257	71	824	1,247	3,736	3,214	2,055	919	158	33
Other	249	—	8	14	81	73	43	21	3	6
Financial Coverage										
Self	12,527	33	483	838	3,141	3,731	2,777	1,216	286	22
Medicaid	61,407	287	3,891	6,307	18,858	16,690	10,235	4,178	836	125
Third Party	50,585	28	377	859	7,011	16,053	16,597	7,958	1,642	60
HMO	9,817	16	204	357	1,938	3,298	2,605	1,164	226	9
Not stated	5,294	10	169	272	1,170	1,589	1,322	587	123	52
First Visit for Prenatal Care										
Early (1-6 months)	102,967	198	2,942	5,369	21,753	31,289	26,637	12,131	2,486	162
Late (7-9 months)	12,112	65	822	1,274	3,686	3,166	2,038	851	190	20
No Care	8,613	46	509	759	2,466	2,457	1,563	668	108	37
Not stated	15,938	65	851	1,231	4,213	4,449	3,298	1,453	329	49
Wedlock										
In wedlock	79,179	18	536	1,937	14,045	25,981	23,668	10,716	2,160	118
Out of wedlock	60,451	356	4,588	6,696	18,073	15,380	9,868	4,387	953	150
Birthplace of Mother										
Puerto Rico	6,371	31	359	507	1,796	1,766	1,141	580	181	10
Other United States	74,574	291	3,721	5,713	17,759	20,454	17,305	7,813	1,416	102
Foreign	58,046	50	1,014	2,368	12,402	18,966	14,976	6,660	1,508	102
Not stated	639	2	30	45	161	175	114	50	8	54



Table 23.

**Selected Characteristics of Live Births and Spontaneous Terminations of Pregnancy  
28 Weeks Gestation and Over by Mother's Ethnic Group  
New York City, 1990**

	Total	Ethnic Group of Mother						Not Stated
		Puerto Rican	Other Hispanic	Asian	Other White	Other Black	Other	
Total Live Births	139,630	19,327	24,912	12,394	38,829	42,080	873	1,215
Sex								
Male	71,376	9,853	12,669	6,455	19,885	21,494	411	609
Female	68,254	9,474	12,243	5,939	18,944	20,586	462	606
Birth Order This Child (Live Births Only)								
First	67,238	8,634	11,694	6,565	20,326	18,953	432	634
Second	37,461	5,157	6,901	3,696	10,625	10,518	265	299
Third	19,240	3,105	3,927	1,279	4,367	6,291	118	153
Fourth	8,248	1,407	1,490	413	1,596	3,233	38	71
Fifth	3,723	594	548	195	694	1,656	13	23
Sixth or more	3,720	430	352	246	1,221	1,429	7	35
Weight at Delivery								
Under 500 grams	226	22	35	5	40	118	—	6
500-999 grams	1,023	129	112	34	141	579	1	27
1000-1499 grams	1,349	222	165	56	187	698	7	14
1500-1999 grams	2,591	398	324	130	487	1,209	20	23
2000-2499 grams	7,852	1,310	1,005	514	1,496	3,398	54	75
2500-2999 grams	26,287	4,123	4,126	2,458	5,706	9,427	226	221
3000-3499 grams	53,200	7,249	9,845	5,382	14,776	15,143	493	468
3500-3999 grams	35,684	4,205	7,094	3,023	11,754	8,849	193	266
4000-4499 grams	9,628	1,190	1,861	691	3,562	2,205	31	88
4500-4999 grams	1,523	149	299	78	602	383	3	9
5000 grams & over	196	21	39	17	71	47	—	1
Not stated	71	9	7	6	7	24	1	17
Plurality								
Single	136,060	18,874	24,436	12,167	37,578	40,949	859	1,197
Twin	3,404	441	446	215	1,171	1,102	11	18
Triplet	158	12	30	12	76	25	3	—
Quadruplet	8	—	—	—	4	4	—	—
Apgar Score at 5 Minutes								
6 or less	2,171	321	317	96	348	1,042	7	40
7	1,663	230	257	65	321	763	13	14
8	6,534	923	1,279	356	1,401	2,504	27	44
9	81,429	12,454	15,993	6,845	19,179	26,026	414	518
10	46,006	5,179	6,836	4,956	17,332	10,746	400	557
Not stated	1,827	220	230	76	248	999	12	42
Place of Birth								
Home	171	6	8	7	91	56	—	3
Hospital								
Voluntary/Private Service	62,110	4,428	4,481	8,017	32,103	12,200	378	503
Voluntary/General Service	39,903	7,773	10,073	2,530	3,710	15,239	261	317
Municipal	35,753	6,871	10,132	1,737	2,409	14,075	221	308
Maternity Center	305	54	20	10	137	74	2	8
Other	1,388	195	198	93	379	436	11	76
Attendant								
Physician	127,124	16,304	21,520	11,863	37,158	38,128	817	1,134
Nurse Midwife	12,257	2,783	3,335	514	1,649	3,847	55	74
Other	249	40	57	17	22	105	1	7
Financial Coverage								
Self	12,527	1,215	2,394	1,824	3,316	3,567	93	118
Medicaid	61,407	12,700	16,404	2,716	4,999	23,817	343	428
Third Party	50,585	3,375	4,488	6,591	26,815	8,671	316	329
HMO	9,817	1,234	942	875	2,095	4,504	78	89
Not stated	5,294	803	684	388	1,604	1,521	43	251
First Visit for Prenatal Care								
Early (1-6 months)	102,967	12,987	17,633	9,870	32,534	28,495	674	774
Late (7-9 months)	12,112	1,985	3,081	1,101	1,515	4,270	67	93
No Care	8,613	1,572	1,745	370	999	3,751	38	138
Not stated	15,938	2,783	2,453	1,053	3,781	5,564	94	210
Wedlock								
In wedlock	79,179	6,981	12,578	11,076	33,659	13,563	667	655
Out of wedlock	60,451	12,346	12,334	1,318	5,170	28,517	206	560
Birthplace of Mother								
Puerto Rico	6,371	6,223	76	5	29	7	—	31
Other United States	74,574	12,805	2,259	664	31,512	26,716	80	538
Foreign	58,046	248	22,520	11,711	7,204	15,031	786	546
Not stated	639	51	57	14	84	326	7	100
Spontaneous Terminations of Pregnancy 28 Weeks & Over								
Total	694	76	105	51	136	268	10	48
Sex								
Male	327	30	55	26	61	135	6	14
Female	300	42	45	19	60	111	1	22
Undetermined	67	4	5	6	15	22	3	12
Weight at Delivery								
Under 500 grams	34	5	4	4	4	13	1	3
500-999 grams	61	7	2	6	12	29	—	5
1000-1499 grams	86	8	17	5	11	40	—	5
1500-1999 grams	107	16	10	7	19	48	3	4
2000-2499 grams	99	11	12	3	15	51	—	7
2500 grams & over	204	22	43	20	44	58	4	13
Not stated	103	7	17	6	31	29	2	11

Table 24.

**Live Births by Selected Characteristics and Infant Deaths  
by Health Center District of Residence, New York City, 1990**

Health Center District	Percent of Total Live Births with Specified Characteristic										Infant Mortality (Under 1 Year)		Neonatal Mortality (Under 28 Days)	
	Live Births	Rate*	Mother's Ancestry		Foreign Born Mother	First Live Birth	Under 2,500 Grams	Late or No Prenatal Care	Out of Wedlock	On Medicaid	Number	Rate**	Number	Rate**
			Puerto Rican	Other Hispanic										
<b>NEW YORK CITY</b> .....	139,630	19.1	13.8	17.8	41.7	48.2	9.3	14.8	43.3	44.0	1,620	11.6	1,091	7.8
<b>MANHATTAN</b> .....	22,186	14.9	12.9	27.9	41.1	49.8	9.8	15.5	47.3	48.1	232	10.5	167	7.5
Central Harlem .....	2,675	23.2	7.0	6.6	14.4	39.0	17.8	24.2	81.3	68.6	74	27.7	50	18.7
East Harlem .....	2,447	19.2	38.0	15.9	21.3	43.3	11.7	16.5	61.9	55.0	30	12.3	19	7.8
Kips Bay-Yorkville .....	2,217	9.4	1.4	4.2	28.3	67.2	5.9	4.6	13.3	6.1	4	1.8	3	1.4
Lower East Side .....	2,938	12.3	20.0	14.4	44.0	54.0	8.0	12.6	35.5	37.3	27	9.2	18	6.1
Lower West Side .....	2,792	9.5	7.2	9.6	33.7	61.4	7.8	11.2	27.0	19.5	16	5.7	12	4.3
Riverside .....	2,834	13.6	12.1	19.3	30.9	55.6	9.3	11.8	43.6	37.9	27	9.5	17	6.0
Washington Heights .....	6,283	23.6	9.1	68.5	71.1	41.1	8.8	20.1	55.5	73.8	54	8.6	48	7.6
<b>BRONX</b> .....	26,158	21.7	32.1	21.7	35.7	44.0	11.1	21.9	60.8	62.3	348	13.3	228	8.7
Fordham-Riverdale .....	4,920	20.1	29.6	26.5	43.8	44.7	9.2	16.9	51.6	55.3	60	12.2	46	9.3
Morrisania .....	4,048	28.0	30.9	22.9	31.0	45.2	13.3	29.4	74.4	74.1	60	14.8	36	8.9
Mott Haven .....	3,201	24.7	46.5	21.5	23.3	50.4	12.6	31.7	74.2	79.0	49	15.3	30	9.4
Pelham Bay .....	3,295	15.1	19.8	6.1	42.9	39.6	10.9	13.6	49.8	43.4	49	14.9	32	9.7
Tremont .....	5,858	30.7	31.5	31.1	40.6	43.6	11.6	25.8	69.9	73.1	81	13.8	53	9.0
Westchester .....	4,836	17.6	35.2	15.4	28.8	41.6	9.6	14.9	46.2	48.1	49	10.1	31	6.4
<b>BROOKLYN</b> .....	46,146	20.1	12.4	11.6	42.9	46.5	9.6	14.8	47.2	47.7	611	13.2	397	8.6
Bay Ridge .....	3,554	14.9	6.9	9.0	42.5	50.4	6.1	8.0	16.8	23.6	26	7.3	14	3.9
Bedford .....	5,378	23.1	2.9	4.8	41.8	44.4	13.5	18.7	67.6	59.3	107	19.9	73	13.6
Brownsville .....	6,062	21.8	11.8	7.6	36.9	49.6	12.0	15.3	63.2	56.7	106	17.5	66	10.9
Bushwick .....	5,104	28.0	31.2	26.2	37.8	46.0	11.0	20.3	63.1	67.3	55	10.8	33	6.5
Flatbush .....	9,938	19.8	3.9	6.8	60.5	46.3	8.5	13.7	40.3	37.4	124	12.5	90	9.1
Fort Greene .....	3,228	21.5	13.2	8.6	24.7	44.6	13.4	17.9	67.3	61.1	66	20.4	42	13.0
Gravesend .....	3,993	14.1	8.9	8.4	40.8	48.6	8.1	13.6	28.0	30.4	34	8.5	22	5.5
Red Hook-Gowanus .....	1,793	17.0	20.5	9.9	22.5	51.6	8.0	10.9	46.0	41.0	21	11.7	12	6.7
Sunset Park .....	3,778	22.2	18.4	20.3	46.3	44.2	5.9	10.0	28.4	38.1	37	9.8	23	6.1
Williamsburg-Greenpoint .....	3,318	21.3	23.3	22.5	38.7	40.4	6.8	15.1	38.7	60.8	35	10.5	22	6.6
<b>QUEENS</b> .....	28,924	14.8	5.7	23.6	56.7	52.9	8.2	13.7	34.3	36.4	252	8.7	171	5.9
Astoria-Long Island City .....	3,414	14.4	5.9	28.8	63.4	54.7	7.9	18.1	34.0	39.0	29	8.5	22	6.4
Corona .....	5,713	19.6	3.5	50.6	79.1	53.3	6.5	21.7	37.5	42.6	41	7.2	22	3.9
Flushing .....	4,928	10.8	3.5	17.4	57.1	54.3	5.8	9.9	16.8	18.4	25	5.1	18	3.7
Jamaica East .....	5,635	16.7	3.3	9.8	48.3	52.6	11.6	11.7	51.2	45.7	75	13.3	53	9.4
Jamaica West .....	5,962	16.5	9.7	19.1	45.4	49.5	9.6	10.2	38.8	43.5	51	8.6	33	5.5
Maspeth-Forest Hills .....	3,272	12.1	9.5	12.6	45.1	55.0	7.2	10.8	17.7	20.8	31	9.5	23	7.0
<b>RICHMOND</b> .....	6,391	16.9	5.4	4.7	16.7	30.8	6.7	5.1	20.3	20.5	52	8.1	36	5.6
<b>NON-RESIDENTS</b> .....	9,662	—	3.6	5.2	25.4	47.6	7.4	4.3	10.3	5.7	122	—	91	—
<b>RESIDENCE UNKNOWN</b> .....	163	—	11.0	27.0	49.1	41.7	12.9	24.5	55.8	49.7	3	—	1	—

\*Rate per 1,000 population.

\*\*Rate per 1,000 live births.

Table 25.

**Live Births by Selected Characteristics  
and Mother's Ancestry, New York City, 1990**

Mother's Ancestry	Live Births	Percent of Live Births with Specified Characteristic							Teenage Mother
		Foreign Born Mother	First Live Birth	Under 2500 Grams	Late or No Prenatal Care	Out of Wedlock	On Medicaid		
Puerto Rican .....	19,327	1.3	44.7	10.8	18.4	63.9	65.7	20.1	
Dominican .....	11,604	93.7	42.7	6.6	19.8	51.9	75.9	8.6	
Colombian .....	2,017	97.6	52.7	5.2	15.3	45.5	49.0	4.7	
Ecuadorian .....	1,905	95.5	46.1	6.8	19.7	36.9	58.7	8.0	
Mexican .....	3,045	97.4	51.0	5.7	26.8	55.8	72.0	19.7	
Cuban .....	498	62.9	47.6	7.2	8.4	31.5	29.3	6.2	
Other Hispanic .....	5,843	78.3	51.5	7.4	17.0	48.5	54.0	9.5	
African-American .....	27,400	5.1	44.9	16.4	21.0	75.9	60.5	18.3	
American .....	10,530	4.4	51.8	6.4	7.8	17.2	17.7	5.4	
Guyanese .....	1,889	99.4	49.8	11.2	14.0	39.2	45.5	8.7	
Haitian .....	3,143	97.9	42.0	7.6	15.9	42.7	53.1	3.2	
Jamaican .....	3,053	98.3	43.6	9.2	14.4	63.4	52.2	9.9	
Trinidadian .....	1,155	99.2	42.9	11.7	18.2	56.0	57.6	7.3	
All Other North, Central and South American .....	5,192	95.3	49.8	10.1	13.5	47.1	41.4	6.9	
English .....	1,175	25.9	56.5	5.0	3.7	16.5	8.9	1.5	
German .....	2,035	11.0	52.7	6.8	4.3	12.0	7.2	1.9	
Irish .....	4,926	7.8	52.6	5.4	4.6	13.5	10.2	3.0	
Italian .....	7,270	12.1	51.7	5.7	4.2	10.4	8.6	2.6	
Polish .....	1,467	38.4	54.3	7.1	8.8	12.7	14.0	1.2	
Russian .....	1,795	40.9	55.7	6.7	7.4	12.2	13.3	2.7	
Other European .....	2,287	36.6	54.9	6.2	5.5	13.6	11.0	1.8	
Chinese .....	4,019	94.7	57.1	4.6	6.5	7.1	11.7	1.0	
Asian Indian .....	1,618	97.4	51.9	9.3	16.3	16.3	27.1	2.7	
Korean .....	1,261	99.2	61.4	4.7	20.9	6.9	28.8	0.4	
Filipino .....	1,056	97.5	56.3	6.3	6.9	10.6	9.1	0.4	
Other Asian .....	4,440	91.1	46.4	6.4	13.7	12.9	30.3	4.1	
Other and Not Stated .....	9,680	40.5	49.2	8.0	11.6	22.4	22.2	4.6	
<b>Total</b> .....	139,630	41.7	48.2	9.3	14.8	43.3	44.0	10.1	

Table 26.

**Live Births to Teenagers by Selected Characteristics and Infant Deaths  
by Health Center District of Residence, New York City, 1990**

Health Center District	Live Births to Teenagers	Percent of Total Live Births	Percent of Teenage Live Births with Specified Characteristic								Infant Mortality (Under 1 Year)		Neonatal Mortality (Under 28 Days)	
			Mother's Ancestry		Foreign Born Mother	First Live Birth	Under 2,500 Grams	Late or No Prenatal Care	Out of Wedlock	On Medicaid	Number	Rate*	Number	Rate*
			Puerto Rican	Other Hispanic										
NEW YORK CITY	14,131	10.1	27.5	17.2	24.6	78.7	10.9	24.6	82.4	74.2	185	13.1	111	7.9
MANHATTAN	2,255	10.2	27.6	29.0	25.3	77.4	10.0	25.0	84.8	78.9	26	11.5	15	6.7
Central Harlem	467	17.5	8.6	6.4	10.3	74.9	13.5	24.6	94.2	76.9	12	25.7	6	12.8
East Harlem	379	15.5	53.6	14.5	14.5	78.9	9.8	20.3	84.2	76.8	4	10.6	3	7.9
Kips Bay-Yorkville	53	2.4	7.5	11.3	24.5	88.7	11.3	26.4	77.4	77.4	—	—	—	—
Lower East Side	258	8.8	47.7	24.4	18.6	82.9	8.5	21.7	80.6	74.4	2	7.8	—	—
Lower West Side	155	5.6	30.3	15.5	16.1	76.8	11.0	36.8	84.5	59.4	2	12.9	1	6.5
Riverside	234	8.3	30.8	27.4	18.8	79.1	9.4	24.4	90.2	75.2	3	12.8	2	8.5
Washington Heights	709	11.3	18.8	58.1	47.5	74.9	8.3	26.4	79.4	88.6	3	4.2	3	4.2
BRONX	3,757	14.4	46.7	14.3	19.1	75.9	11.2	27.9	84.8	79.2	52	13.8	35	9.3
Fordham-Riverdale	555	11.3	51.0	21.3	25.8	77.3	8.3	20.4	80.4	77.7	6	10.8	5	9.0
Morrisania	693	17.1	43.9	11.1	14.3	77.5	13.6	32.6	88.7	80.8	10	14.4	5	7.2
Mott Haven	641	20.0	58.0	11.4	11.5	79.1	10.3	32.0	86.3	84.2	8	12.5	4	6.2
Pelham Bay	383	11.6	26.4	3.9	25.1	70.0	9.7	28.2	85.1	73.1	4	10.4	3	7.8
Tremont	933	15.9	44.6	21.1	23.7	76.0	10.7	27.7	86.5	79.7	12	12.9	9	9.6
Westchester	552	11.4	50.7	10.3	15.2	72.5	14.3	24.8	79.3	76.4	12	21.7	9	16.3
BROOKLYN	5,384	11.7	22.4	11.3	24.0	79.3	11.3	23.2	83.7	73.2	78	14.5	41	7.6
Bay Ridge	198	5.6	17.2	16.7	37.4	82.3	12.1	15.7	53.5	55.1	3	15.2	1	5.1
Bedford	799	14.9	4.6	2.5	21.2	80.6	13.3	25.7	94.0	75.3	17	21.3	8	10.0
Brownsville	961	15.9	16.9	4.7	16.4	80.9	11.9	20.1	91.6	77.4	13	13.5	8	8.3
Bushwick	890	17.4	42.2	17.1	18.4	77.5	12.5	24.4	86.3	77.8	9	10.1	3	3.4
Flatbush	795	8.0	7.9	9.8	45.2	83.6	10.1	25.8	83.9	64.5	9	11.3	6	7.5
Fort Greene	532	16.5	19.9	6.2	13.5	71.4	12.6	24.6	91.7	80.3	12	22.6	8	15.0
Gravesend	311	7.8	20.3	13.8	26.4	78.1	14.5	28.9	70.4	66.9	4	12.9	3	9.6
Red Hook-Gowanus	188	10.5	38.3	11.7	12.2	80.9	8.0	21.3	85.6	72.3	3	16.0	1	5.3
Sunset Park	369	9.8	36.9	28.5	31.7	78.0	5.4	16.0	60.4	65.9	4	10.8	—	—
Williamsburg-Greenpoint	341	10.3	46.6	22.6	21.4	77.7	7.6	22.6	71.8	78.9	4	11.7	3	8.8
QUEENS	2,216	7.7	10.2	25.8	36.2	83.4	10.3	24.2	75.1	66.4	23	10.4	16	7.2
Astoria-Long Island City	251	7.4	12.7	32.3	39.0	82.1	9.6	32.3	68.1	59.4	2	8.0	1	4.0
Corona	442	7.7	6.1	59.5	60.6	84.8	5.9	38.0	71.9	64.0	2	4.5	1	2.3
Flushing	140	2.8	12.1	33.6	43.6	87.1	6.4	23.6	55.0	46.4	—	—	—	—
Jamaica East	643	11.4	4.0	7.2	24.3	84.0	13.5	16.6	88.6	70.5	11	17.1	9	14.0
Jamaica West	598	10.0	15.2	19.1	28.9	81.6	11.7	18.6	75.6	74.1	6	10.0	3	5.0
Maspeth-Forest Hills	142	4.3	23.9	14.1	33.1	82.4	9.2	26.1	53.5	55.6	2	14.1	2	14.1
RICHMOND	331	5.2	14.2	10.9	13.6	79.8	7.6	12.7	73.7	68.6	2	6.0	—	—
NON-RESIDENTS RESIDENCE UNKNOWN	168	1.7	14.9	12.5	26.2	76.8	14.3	20.8	64.9	44.0	4	23.8	4	23.8
UNKNOWN	20	12.3	10.0	25.0	45.0	85.0	20.0	15.0	85.0	65.0	—	—	—	—

\*Rate per 1,000 live births to teenagers.

Table 27.

**Live Births to Teenagers by Selected Characteristics, New York City, 1981-1990**

	YEAR									
	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Total Live Births	108,547	111,487	112,353	113,332	118,542	122,108	127,386	132,226	137,673	139,630
Percent to Teenagers	12.9	12.8	12.4	11.8	11.2	10.8	10.3	10.4	10.3	10.1
Births to Teenagers	14,014	14,276	13,892	13,339	13,304	13,168	13,166	13,714	14,121	14,131
Percent of Births with Specified Characteristic:										
Puerto Rican	30.9	30.0	30.1	29.4	28.6	29.4	29.1	28.6	27.4	27.5
Other Hispanic	7.6	8.9	9.1	9.5	10.3	10.8	12.9	12.6	15.3	17.2
Foreign Born Mother	16.1	16.6	16.4	16.5	16.8	17.8	18.6	19.6	21.2	24.6
First Live Birth	80.0	79.8	80.2	80.2	80.1	79.8	80.3	79.5	79.8	78.7
Under 2,500 Grams	11.6	11.3	11.3	11.3	11.2	11.7	11.4	11.7	11.4	10.9
Prenatal Care in First 6 Months of Pregnancy	61.7	59.6	60.3	59.7	59.7	56.2	58.0	65.8	75.9	75.4
Out of Wedlock	78.0	79.0	80.0	81.4	81.7	82.7	82.1	80.2	82.0	82.4
On Medicaid	60.5	59.8	62.6	65.7	66.9	64.2	64.3	62.8	66.8	74.2

Table 28.

**Maternal Risk Factors by Health Center District  
of Residence, New York City, 1990**

Health Center District	Total Live Births	Number of Maternal Risk Factors*			
		None %	One %	Two %	Three %
<b>NEW YORK CITY</b>	139,630	44.9	33.9	17.8	3.4
<b>MANHATTAN</b>	22,186	42.6	34.9	19.0	3.4
Central Harlem	2,675	13.3	43.0	36.6	7.1
East Harlem	2,447	29.1	39.8	26.5	4.7
Kips Bay-Yorkville	2,217	78.2	17.0	4.1	0.7
Lower East Side	2,938	53.3	30.3	14.1	2.3
Lower West Side	2,792	62.2	24.8	10.4	2.5
Riverside	2,834	48.1	32.5	16.1	3.4
Washington Heights	6,283	31.7	43.7	21.2	3.3
<b>BRONX</b>	26,158	26.5	39.0	28.3	6.2
Fordham-Riverdale	4,920	33.1	38.3	24.2	4.4
Morrisania	4,048	15.1	40.2	36.6	8.1
Mott Haven	3,201	14.8	39.7	37.1	8.4
Pelham Bay	3,295	37.8	38.2	18.7	5.3
Tremont	5,858	18.0	39.9	34.7	7.5
Westchester	4,836	39.9	37.8	18.3	4.0
<b>BROOKLYN</b>	46,146	39.8	38.0	18.6	3.6
Bay Ridge	3,554	66.1	26.4	6.5	1.0
Bedford	5,378	24.5	44.2	26.1	5.2
Brownsville	6,062	28.1	42.9	24.3	4.8
Bushwick	5,104	26.7	39.9	27.6	5.7
Flatbush	9,938	44.5	38.3	14.7	2.5
Fort Greene	3,228	25.5	41.6	26.9	5.9
Gravesend	3,993	54.0	30.7	12.9	2.4
Red Hook-Gowanus	1,793	44.5	36.6	15.8	3.1
Sunset Park	3,778	51.5	35.0	11.4	2.1
Williamsburg-Greenpoint	3,318	45.1	37.5	14.7	2.7
<b>QUEENS</b>	28,924	53.7	30.9	13.2	2.2
Astoria-Long Island City	3,414	51.9	31.6	14.3	2.2
Corona	5,713	46.5	35.0	15.9	2.6
Flushing	4,928	71.1	21.6	6.7	0.6
Jamaica East	5,635	41.2	39.1	17.1	2.7
Jamaica West	5,962	50.1	31.3	15.5	3.1
Maspeth-Forest Hills	3,272	70.2	22.3	6.3	1.2
<b>RICHMOND</b>	6,391	72.5	20.1	6.5	0.9
<b>NON-RESIDENTS</b>	9,662	80.2	15.8	3.5	0.5
<b>RESIDENCE UNKNOWN</b>	163	31.9	30.7	33.7	3.7

\*Maternal risk factors: no prenatal care in first six months of pregnancy, out-of-wedlock birth, teenaged mother.

Table 29.

**Live Births, Infant Deaths and Infant Mortality Rates by  
Number of Maternal Risk Factors and Birth Weight  
New York City, 1990**

NUMBER OF MATERNAL RISK FACTORS	TOTAL (1)			LESS THAN 2,500 GRAMS			2,500 GRAMS & OVER		
	Births	Number	Rate (3)	Births	Number	Rate (3)	Births	Number	Rate (3)
None	62,746	384	6.1	3,971	258	65.0	58,762	124	2.1
One	47,304	557	11.8	4,731	376	79.5	42,538	173	4.1
Two	24,799	508	20.5	3,729	377	101.1	21,048	123	5.8
Three	4,781	82	17.2	610	53	86.9	4,170	29	7.0
Unmatched (2)	—	89	—	—	—	—	—	—	—
Total	139,630	1,620	11.6	13,041	1,064	81.6	126,518	449	3.5

(1) Includes those with unknown birth weight.

(2) Birth occurred outside of New York City or positive identification of matching birth certificate could not be made.

(3) Rate per 1,000 live births.

Table 30A.

## Live Births and Infant Deaths by Birth Weight and Race, New York City, 1990

Birth Weight in Grams	Live Births				Infant Deaths														
					Under One Year					Under 28 Days					Under 7 Days				
	Total	White	Black	Other	Total	White	Black	Other	Not Stated	Total	White	Black	Other	Not Stated	Total	White	Black	Other	Not Stated
Less than 500	226	99	124	3	202	87	113	1	1	200	86	112	1	1	198	86	110	1	1
500-999	1,023	372	624	27	507	197	294	8	8	423	175	233	7	8	376	157	206	5	8
1000-1499	1,349	540	759	50	132	72	55	3	2	103	58	40	3	2	82	49	28	3	2
1500-1999	2,591	1,167	1,304	120	100	48	49	2	1	55	32	22	1	—	37	23	13	1	—
2000-2499	7,852	3,655	3,705	492	123	62	56	4	1	50	30	16	4	—	42	24	14	4	—
Less than 2500	13,041	5,833	6,516	692	1,064	466	567	18	13	831	381	423	16	11	735	339	371	14	11
2500-2999	26,287	13,334	10,642	2,311	144	63	72	4	5	63	25	35	1	2	38	13	24	1	—
3000-3499	53,200	30,939	17,522	4,739	172	76	89	6	1	75	36	36	2	1	48	25	21	1	1
3500-3999	35,684	22,557	10,531	2,596	94	51	41	—	2	40	26	14	—	—	30	21	9	—	—
4000-4499	9,628	6,452	2,622	554	31	17	13	1	—	12	7	5	—	—	6	1	5	—	—
4500-4999	1,523	1,011	455	57	5	3	2	—	—	1	—	1	—	—	—	—	—	—	—
5000 & over	196	127	55	14	3	2	1	—	—	1	—	1	—	—	1	—	1	—	—
2500 & over	126,518	74,420	41,827	10,271	449	212	218	11	8	192	94	92	3	3	123	60	60	2	1
Not stated	71	25	41	5	18	6	9	2	1	17	5	9	2	1	17	5	9	2	1
Unmatched*	—	—	—	—	89	50	24	—	15	51	30	11	—	10	33	17	11	—	5
Total	139,630	80,278	48,384	10,968	1,620	734	818	31	37	1,091	510	535	21	25	908	421	451	18	18

\*Births occurred outside New York City or positive identification of matching birth certificate could not be made.

Table 30B.

## Infant Mortality Rates by Birth Weight and Race, New York City, 1990

Birth Weight in Grams	Under One Year				Under 28 Days				Under 7 Days			
	Total	White	Black	Other	Total	White	Black	Other	Total	White	Black	Other
Less than 500	893.8*	**	911.3	**	885.0	**	903.2	**	876.1	**	887.1	**
500-999	495.6	529.6	471.2	**	413.5	470.4	373.4	**	367.5	422.0	330.1	**
1000-1499	97.9	133.3	72.5	**	76.4	107.4	52.7	**	60.8	90.7	36.9	**
1500-1999	38.6	41.1	37.6	16.7	21.2	27.4	16.9	8.3	14.3	19.7	10.0	8.3
2000-2499	15.7	17.0	15.1	8.1	6.4	8.2	4.3	8.1	5.3	6.6	3.8	8.1
Less than 2500	81.6	79.9	87.0	26.0	63.7	65.3	64.9	23.1	53.4	58.1	57.0	20.2
2500-2999	5.5	4.7	6.8	1.7	2.4	1.9	3.3	0.4	1.4	1.0	2.3	0.4
3000-3499	3.2	2.5	5.1	1.3	1.4	1.2	2.1	0.4	0.9	0.8	1.2	0.2
3500-3999	2.6	2.3	3.9	—	1.1	1.2	1.3	—	0.8	0.9	0.9	—
4000-4499	3.2	2.6	5.0	1.8	1.2	1.1	1.9	—	0.6	0.2	1.9	—
4500-4999	3.3	3.0	4.4	**	0.7	—	2.2	**	—	—	—	**
5000 & Over	15.3	15.7	**	**	5.1	—	**	**	5.1	—	**	**
2500 & Over	3.5	2.8	5.2	1.1	1.5	1.3	2.2	0.3	1.0	0.8	1.4	0.2
Total	11.6	9.1	16.9	2.8	7.8	6.4	11.1	1.9	6.5	5.2	9.3	1.6

\*Rate per 1,000 live births. Births and deaths included here were reported in 1990 and do not represent a true birth cohort.

\*\*Rate not computed where base is less than 100.

Table 31.

## Infant Deaths by Age and Sex, by Race and by Cause, New York City, 1990

	Total Both Sexes	MALE			FEMALE		
		Under 7 Days	7 to 27 Days	28 Days & Over	Under 7 Days	7 to 27 Days	28 Days & Over
Total	1,620	538	114	276	370	69	253
Race of Child							
White	734	255	52	119	166	37	105
Black	818	265	58	142	186	26	141
Other and not stated	68	18	4	15	18	6	7
Cause of Death (ICD-9 Codes)							
Certain Gastrointestinal Diseases (008-009, 535, 555-558)	8	—	1	4	1	—	2
Acquired Immunodeficiency Syndrome (042)	38	—	—	17	—	—	21
Pneumonia and Influenza (480-487)	43	6	3	15	1	2	16
Congenital Anomalies (740-759)	278	88	31	43	49	13	54
Short Gestation and Low Birth Weight (765)	129	78	—	1	49	1	—
Birth Trauma (767)	2	—	1	—	—	1	—
Intrauterine Hypoxia and Birth Asphyxia (768)	23	10	2	4	5	2	—
Respiratory Distress Syndrome (769)	174	87	7	6	57	14	3
Respiratory Conditions of Newborn (770)	142	46	10	26	40	3	17
Neonatal Hemorrhage (772)	24	11	5	—	6	1	1
Other Conditions Originating in the Perinatal Period (Rest of 760-779)	439	192	35	20	152	21	19
Sudden Infant Death Syndrome (798.0)	135	—	6	71	2	5	51
Injuries (E800-E999)	50	10	3	14	4	1	18
All other causes	135	10	10	55	4	5	51

**Table 32. Live Births, Infant and Maternal Mortality by Mother's Ethnic Group  
New York City, 1981-1990**

Mother's Ethnic Group (1)	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
<b>Live Births, Total</b> . . . . .	108,547	111,487	112,353	113,332	118,542	122,108	127,386	132,226	137,673	139,630
Puerto Rican . . . . .	18,104	18,289	18,014	17,887	17,961	18,138	18,625	18,822	19,248	19,327
Other Hispanic . . . . .	12,392	13,704	14,463	15,228	15,758	16,689	19,372	20,145	23,013	24,912
Asian . . . . .	8,429	8,749	8,947	9,127	9,553	9,894	10,926	11,597	12,051	12,394
Other White . . . . .	35,516	35,653	35,788	35,405	36,825	37,465	37,558	38,992	39,362	38,906
Other Black . . . . .	33,429	34,644	34,749	35,212	37,616	39,064	40,020	41,356	43,069	42,844
Other & Unknown . . . . .	677	448	392	473	829	858	885	1,314	930	1,247
<b>Infant Deaths (Under 1 Year) Total</b> . . . . .	1,678	1,706	1,603	1,540	1,591	1,566	1,673	1,770	1,827	1,620
Puerto Rican . . . . .	265	296	244	263	226	240	240	241	257	238
Other Hispanic . . . . .	133	154	141	133	139	156	182	186	219	188
Asian . . . . .	80	74	75	76	76	63	65	79	93	67
Other White . . . . .	439	409	388	363	368	323	350	353	321	306
Other Black . . . . .	747	762	742	680	758	751	802	891	911	797
Other & Unknown . . . . .	14	11	13	25	24	33	34	20	26	24
<b>Infant Mortality Rate (2) Total</b> . . . . .	15.5	15.3	14.3	13.6	13.4	12.8	13.1	13.4	13.3	11.6
Puerto Rican . . . . .	14.6	16.2	13.5	14.7	12.6	13.2	12.9	12.8	13.4	12.3
Other Hispanic . . . . .	10.7	11.2	9.7	8.7	8.8	9.3	9.4	9.2	9.5	7.5
Asian . . . . .	9.5	8.5	8.4	8.3	8.0	6.4	5.9	6.8	7.7	5.4
Other White . . . . .	12.4	11.5	10.8	10.3	10.0	8.6	9.3	9.1	8.2	7.9
Other Black . . . . .	22.3	22.0	21.4	19.3	20.2	19.2	20.0	21.5	21.2	18.6
<b>Neonatal Deaths (Under 28 Days)</b>										
Total . . . . .	1,144	1,173	1,070	1,014	1,082	1,078	1,139	1,232	1,253	1,091
Puerto Rican . . . . .	169	198	166	165	141	157	157	159	172	152
Other Hispanic . . . . .	88	110	102	97	100	117	134	133	153	133
Asian . . . . .	58	52	47	53	45	47	42	59	60	44
Other White . . . . .	318	301	274	267	268	254	251	264	238	225
Other Black . . . . .	503	506	471	414	513	481	535	602	610	518
<b>Neonatal Mortality Rate (2) Total</b> . . . . .	10.5	10.5	9.5	8.9	9.1	8.8	8.9	9.3	9.1	7.8
Puerto Rican . . . . .	9.3	10.8	9.2	9.2	7.9	8.7	8.4	8.4	8.9	8.0
Other Hispanic . . . . .	7.1	8.0	7.1	6.4	6.3	7.0	6.9	6.6	6.6	5.3
Asian . . . . .	6.9	5.9	5.3	5.8	4.7	4.8	3.8	5.1	5.0	3.6
Other White . . . . .	9.0	8.4	7.7	7.5	7.3	6.8	6.7	6.8	6.0	5.8
Other Black . . . . .	15.0	14.6	13.6	11.8	13.6	12.3	13.4	14.6	14.2	12.1
<b>Maternal Deaths, Total</b> . . . . .	33	37	44	21	30	29	28	26	29	33
Puerto Rican . . . . .	3	5	3	1	1	4	2	2	4	1
Other Hispanic . . . . .	4	6	8	3	6	0	4	6	2	4
Asian . . . . .	1	1	1	0	1	2	6	1	1	1
Other White . . . . .	6	8	7	4	3	6	3	2	2	1
Other Black . . . . .	19	16	24	13	15	14	8	15	20	24
<b>Maternal Mortality Rate (3) Total</b> . . . . .	3.0	3.3	3.9	1.9	2.5	2.4	2.2	2.0	2.1	2.4
Puerto Rican . . . . .	1.7	2.7	1.7	0.6	0.6	2.2	1.1	1.1	2.1	0.5
Other Hispanic . . . . .	3.2	4.4	5.5	2.0	3.8	—	2.1	3.0	0.9	1.6
Asian . . . . .	1.2	1.1	1.1	—	1.0	2.0	5.5	0.9	0.8	0.8
Other White . . . . .	1.7	2.2	2.0	1.1	0.8	1.6	0.8	0.5	0.5	0.3
Other Black . . . . .	5.7	4.6	6.9	3.7	4.0	3.6	2.0	3.6	4.6	5.6

(1) Puerto Rican, Other Hispanic and Asian are based on ancestry regardless of race. Those of other ancestry are classified based on race into Other White, Other Black, and Other & Unknown. In the absence of a matching birth certificate for an infant death, the death certificate is used to determine maternal ethnic group.

(2) Rate per 1,000 live births.  
(3) Rate per 10,000 live births.

**TECHNICAL NOTES**

Sources of Data – Population data are census figures provided by the New York City Department of City Planning. In Table 1, the population figures for census years (1960, 1970, 1980 and 1990) are census counts; for intercensal years, straight-line interpolations are used. All other data are based on events occurring in New York City to both residents and non-residents. Vital statistics are based on certificates of birth, death and induced and spontaneous terminations of pregnancy, filed with the Bureau of Vital Records, New York City Department of Health.

Race, Ancestry and Ethnicity – “Race” and “Ancestry” are items on certificates. In some specified instances the item “Birthplace” is used to remove ambiguity in the “Race” item. “Ethnic Group” is determined by ancestry for those of Puerto Rican, Other Hispanic, and Asian ancestry, regardless of race. Those of other ancestry are classified as Other White, Other Black, Other, and Unknown, based on race.

Borough of Residence – Classification by borough of residence is based on usual residence as reported on the certificate. As of 1990, deaths of nursing home residents are assigned to the geographic area where the nursing home is located, as residents of nursing homes are included in the population figures collected by the census. This is a change from past practice when these deaths were reported in a separate category, “Residents of Institutions.”

Place of Death – Place of death reported as “Hospital” includes residential units, hospices and other special facilities within the hospital. “Nursing Home” includes only sites licensed as Extended Care Facilities by the State of New York. “Home” includes, in addition to private houses and apartments, group quarters for special populations, homes for adults and other long-term residential sites.

External Causes of Death – External causes of death include accident, suicide, homicide and injury undetermined whether accidentally or purposely inflicted. Of 4,984 deaths in 1990 due to trauma, 158 were classified as injury undetermined, meaning that by the close of the year they had not been definitely classified as accident, suicide or homicide. When analyzing deaths due to external causes, the undetermined injury group should be considered. This category has declined since 1989.

Deaths Due to Drug Abuse – Revised procedures at the Office of Chief Medical Examiner in 1989 led to 60% of deaths related to drug use being classified as accidental drug poisonings. In prior years virtually all such deaths were classified as due to drug dependence. In order to maintain continuity with previously published Vital Statistics, three new categories have been added to various tables. “Accidental drug poisoning” is shown in Tables 3, 8 and 17. “Accidents except drug poisoning” appears in Tables 4 and 5. “Drug dependence and accidental drug poisoning” is shown in Tables 3, 4 and 5. Deaths due to accidental drug poisoning are assigned to one of the following four codes of the International Classification of Diseases, Ninth Revision, depending on the agent: E858.0, opiates and related narcotics; E854.1, psychodysleptics; E855.2 local anesthetics; E858.8, other drugs and combinations. Deaths due to drug dependence are assigned to code 304.

AIDS Mortality – Mortality data for AIDS represent the number of deaths assigned to code 279.1 of the International Classification of Diseases, Ninth Revision, prior to 1987, and code 042 in 1987 and thereafter. Deaths in 1986 aged 13 and over were checked against the New York City AIDS Surveillance Registry and 77% were identified as reported AIDS cases. The remaining cases were not documented sufficiently to meet the Centers for Disease Control criteria for AIDS. Among cases on the AIDS registry aged 13 and over who died, 82% had AIDS as the underlying cause of death. Some other causes were pneumocystis pneumonia, bronchopneumonia and pneumonia.

Age of Mother – Teenaged mothers include all under age twenty.

Infant Mortality – In several tables, data are provided on total infant deaths and on deaths under 28 days, referred to as neonatal deaths. Post-neonatal mortality, which refers to deaths from 28 days to under one year, can be obtained by subtraction. For example, in Table 24, total New York City infant mortality is 1,620 deaths, with a rate of 11.6 and the neonatal mortality is 1,091, with a rate of 7.8. By subtraction, the post-neonatal mortality is found to be 529 with a rate of 3.8.

Table 33.

## Cases of Reportable Diseases, New York City, 1940-1990

Year	Pulmonary Tuberculosis	Measles	Scarlet Fever	Chicken Pox	Whooping Cough	Meningococcal Meningitis	Poliomyelitis	Syphilis		Gonorrhea	Encephalitis	Hepatitis	Rubella
								Total	Primary & Secondary				
1940	8,212	10,496	13,569	13,046	5,775	48	67	30,178	3,113	14,639	28		988
1941	8,459	70,646	7,206	9,773	7,811	118	404	27,194	2,957	12,297	49		18,614
1942	9,145	2,261	7,009	10,978	9,240	411	88	30,036	3,406	12,022	52		1,355
1943	8,283	23,627	9,484	9,290	3,678	1,406	361	25,878	4,252	12,957	37		14,269
1944	7,229	26,048	8,509	8,441	2,810	1,104	1,890	23,069	4,841	14,489	37		1,340
1945	6,232	1,870	8,347	7,905	4,992	487	547	22,690	5,164	18,009	34		1,221
1946	6,386	22,408	8,009	6,586	2,135	246	716	26,765	6,063	24,350	38		3,372
1947	6,832	7,915	3,583	11,921	3,224	113	224	26,303	5,009	22,746	30	110	1,121
1948	7,359	28,960	2,420	10,214	1,591	120	703	25,366	3,846	23,422	33	93	2,673
1949	7,344	5,467	2,230	12,866	4,129	104	2,246	20,489	2,218	20,309	47	107	3,447
1950	6,518	21,990	1,652	7,973	1,791	142	1,064	21,795	1,304	16,784	127	114	1,597
1951	6,331	9,644	2,144	11,849	1,606	110	555	22,458	801	14,114	200	202	4,122
1952	6,021	34,614	3,548	8,912	1,379	144	821	25,078	784	12,105	280	285	3,267
1953	6,110	5,117	1,595	12,942	2,733	183	677	25,224	658	12,505	311	515	2,315
1954	5,439	41,037	2,143	8,775	1,777	129	844	19,412	617	12,379	270	809	1,186
1955	5,064	9,712	1,834	10,486	1,136	108	806	18,056	566	11,239	220	1,154	8,888
1956	5,089	21,616	2,357	11,433	1,113	75	149	17,052	605	10,482	309	824	3,100
1957	5,162	10,226	1,657	7,287	1,326	75	57	15,485	635	11,479	204	597	1,998
1958	4,513	28,272	1,944	8,403	655	36	100	13,082	911	13,341	165	637	5,911
1959	4,196	5,215	2,043	7,731	1,322	92	170	13,131	1,454	14,370	212	841	4,694
1960	3,923	25,523	2,622	8,042	416	89	92	16,872	2,606	16,677	97	1,106	3,760
1961	3,635	4,796	2,820	6,190	249	69	2	20,017	3,374	18,285	216	1,839	1,543
1962	3,702	29,631	1,259	7,913	307	59	7	20,058	3,329	18,901	175	1,359	1,560
1963	4,057	7,406	1,287	6,683	212	50	1	19,312	3,481	22,912	147	1,325	3,294
1964	3,381	15,435	1,052	6,183	304	42	2	18,875	3,215	25,896	158	1,287	21,292
1965	3,389	4,127	792	7,423	194	68	0	16,999	2,897	29,032	162	1,248	1,031
1966	2,952	8,381	799	4,172	206	56	0	13,724	2,364	29,679	146	1,552	1,036
1967	2,893	529	731	5,897	179	65	1	13,918	1,987	27,373	61	2,558	1,030
1968	2,658	2,445	732	4,267	122	90	1	13,204	2,172	32,637	61	3,542	3,074
1969	2,397	5,033	891	3,640	149	88	0	11,439	2,630	36,729	57	3,982	1,185
1970	2,073	1,154	513	4,978	163	90	0	10,362	3,780	36,783	35	4,492	685
1971	2,048	3,819	614	3,815	55	60	0	11,642	3,854	38,472	19	4,160	626
1972	1,874	447	445	5,603	79	44	1	10,390	4,106	48,414	11	2,907	271
1973	1,740	965	708	4,496	77	37	0	7,334	3,256	45,467	26	1,478	502
1974	1,582	651	402	3,877	75	26	0	7,593	3,184	42,071	17	1,078	173
1975	2,187	170	463	3,982	40	32	0	7,236	2,864	39,981	14	1,366	193
1976	1,775	497	609	3,289	43	51	1	6,832	2,494	40,589	20	1,897	163
1977	1,189	804	583	3,936	47	64	0	4,749	1,881	39,302	20	1,604	336
1978	1,034	405	271	2,773	54	88	0	5,567	2,060	40,208	30	1,260	152
1979	1,240	859	312	3,052	44	91	1	6,680	2,552	40,034	17	1,080	290
1980	1,186	1,210	319	4,789	30	110	0	5,906	2,387	43,699	15	1,079	105
1981	1,340	108	464	3,863	25	91	0	6,878	2,568	45,859	20	1,722	55
1982	1,246	49	583	3,382	53	104	2	7,296	2,602	46,960	21	1,980	36
1983	1,306	72	454	4,383	61	89	1	6,822	2,473	46,117	14	1,992	87
1984	1,322	113	427	5,811	20	75	0	6,796	2,285	48,032	9	2,268	111
1985	1,482	181	409	2,366	26	70	1	6,947	2,157	58,532	18	N.A.	184
1986	1,766	944	—	1,583	10	81	0	6,465	2,111	69,998	21	884	2
1987	1,815	449	206	5,091	13	57	0	10,472*	4,452	84,022	8	1,514	1
1988	1,814	56	81	3,406	12	66	0	11,966	5,042	52,404	6	1,945	5
1989	2,118	135	108	4,307	19	50	0	13,748	4,362	40,533	9	2,170	16
1990	2,937	1,108	175	4,732	21	79	0	16,195	4,265	35,236	12	1,539	4

\*Infection with Human Immunodeficiency Virus, and behavior associated with drug use, may be contributing to the increase in reported syphilis cases.

Table 34. Incidence of AIDS\* By Sex, Major Risk Group, and Year of Diagnosis New York City, 1980-1990

Sex/Risk Group	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
<b>Male</b>											
Intravenous Drug User	8	24	139	277	469	805	1,211	1,633	2,228	2,309	2,585
Sex with Men**	23	103	291	582	1,011	1,492	2,147	2,368	2,596	2,522	2,374
Transfusion	0	0	0	0	7	14	18	31	24	13	0
Other	2	10	30	57	89	107	186	231	382	464	613
Total	33	137	460	916	1,576	2,418	3,562	4,263	5,230	5,308	5,574
<b>Female</b>											
Intravenous Drug User	0	8	20	69	99	168	278	441	608	679	812
Male Sex Partner	0	1	8	15	30	67	104	204	247	290	327
Transfusion	0	0	0	4	6	5	14	20	12	7	3
Other	0	1	11	28	42	67	96	139	146	215	294
Total	0	10	39	116	177	307	492	804	1,013	1,191	1,436

\*Excludes those under 13 years of age. Figures previously published have been revised to include additional reports.

\*\*Excludes intravenous drug users.

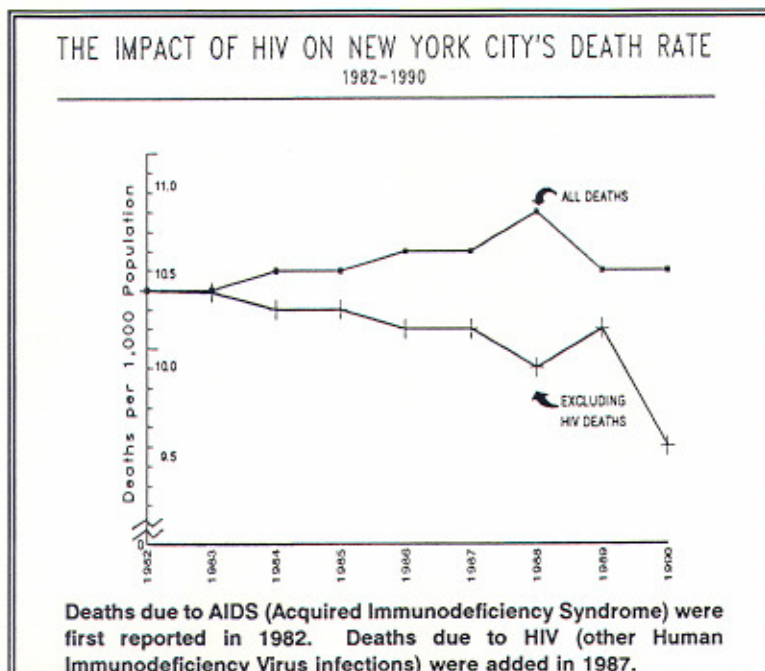
## THE CONQUEST OF PESTILENCE CONTINUES

The graph on the cover of this publication, the Conquest of Pestilence in New York City, shows the annual crude death rate for New York City from 1800 through the present. During this period of 190 years, the death rate has been affected by the pestilences of yellow fever, smallpox, cholera, diphtheria, meningitis and influenza. Cholera, for example, caused 3,513 deaths in 1832; 971 deaths in 1834; 5,071 deaths in 1849; and 2,509 deaths in 1854. The effect of these cholera epidemics was peaks in the annual crude death rate of 49.9 deaths per 1,000 in 1832; 35.3 in 1834; 48.9 in 1849; and 47.1 in 1854.

The Conquest of Pestilence graph has been presented in New York City's annual vital statistics summaries since the 1930's. Up until now the last peak identified on the graph was that of the influenza epidemic of 1918, which caused 12,562 deaths. At that time the annual crude death rate rose to 17.9 deaths per 1,000 population. By 1921 the death rate had declined to 11.1 per 1,000 population. In the following 70 years, in the absence of any major infectious disease epidemics, the death rate has been relatively stable, ranging between 11.8 and 10.0 deaths per 1,000 population.

However, the conquest of pestilence is not completed. The spread of Human Immunodeficiency Virus (HIV) has reached such epidemic proportions that it has had a major impact on the overall New York City death rate.

The inset above displays the impact of HIV on New York City's death rate. For the period 1982 - 1990, the graph shows the rate for all deaths and the rate for all deaths excluding HIV deaths. In 1983 there were 425 HIV deaths out of 73,544 total deaths, while by 1990, 4,616 of the 73,875 deaths occurring in New York City were due to HIV. The effect of HIV on the death rate is substantial. In 1990 the rate for all deaths was 10.4 per 1,000 population; excluding HIV deaths, the rate is only 9.5 per 1,000 population. While some of the people dying of HIV would have died from other causes, the consequences are clear: if it were not for HIV, New York City's death rate would have reached its lowest level ever.

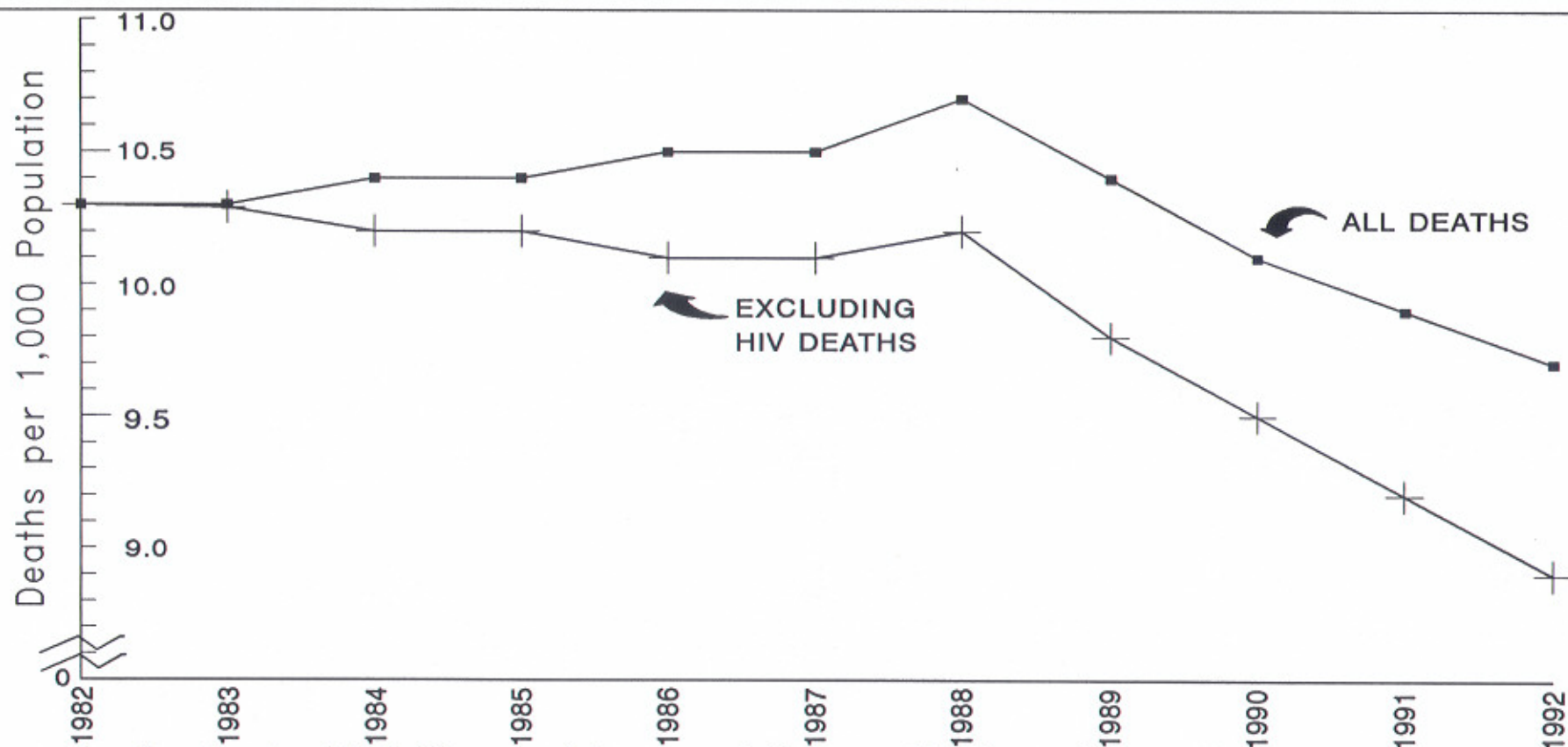


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# THE IMPACT OF HIV ON NEW YORK CITY'S DEATH RATE

1982-1992\*



Deaths due to AIDS (Acquired Immunodeficiency Syndrome) were first reported in 1982. Other deaths due to HIV (Human Immunodeficiency Virus) were added in 1987.

\* This updated graph replaces the one on the back cover of the Summary of Vital Statistics, 1990. Data for 1988 and 1989 are corrected.

Office of Vital Statistics and Epidemiology  
New York City Department of Health  
September, 1993