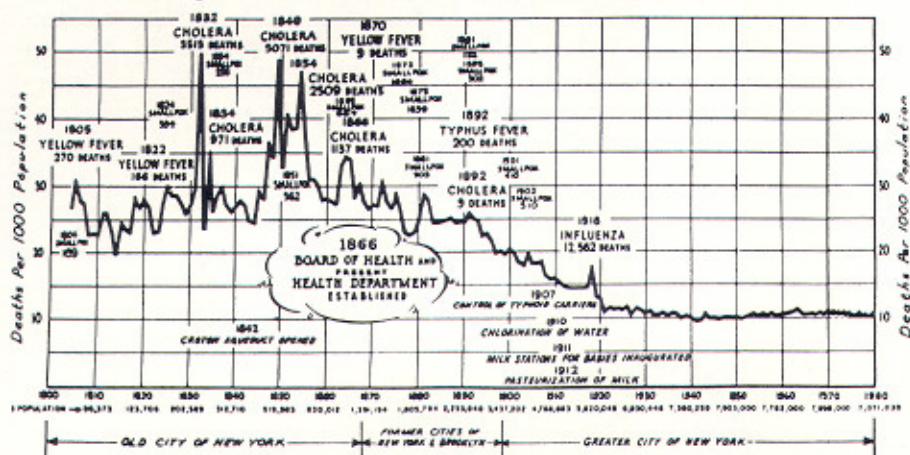


SUMMARY OF VITAL STATISTICS 1988

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.



CONTENTS

	PAGE
Table 1 Population, births, marriages, deaths, and infant mortality, 1898-1988	2
Table 2 Population in 1980 and deaths in 1988 by age, color and sex	2
Table 3 Deaths by cause and borough of residence and comparability ratios, 1988	3
Table 4 Chief causes of death in specified age groups by sex, 1988	4, 5
Table 5 Deaths from selected causes by health center district of residence, 1988	6, 7
Table 6 Deaths by boroughs of residence and occurrence, 1988	6
Table 7 Deaths by ancestry and borough of residence, 1988	7
Table 8 Deaths from accidents by age, 1988	8
Table 9 Deaths from suicides by age, 1988	8
Table 10 Deaths from homicides by age, 1988	8
Table 11 Deaths from injury, undetermined circumstances, by age, 1988	8
Table 12 Deaths from AIDS by age, sex and ethnic group, 1983-1988	9
Table 13 Characteristics of decedents with selected causes of death, 1988	9
Table 14 Life expectancy at specified ages by sex and color, New York City, 1950-1980, and United States, 1980	10
Table 15 Age-sex-specific death rates, 1909-1981	11
Table 16 Age-adjusted death rates, certain causes, 1901-1981	11
Table 17 Deaths and crude death rates from selected causes, 1901-1988	12, 13
Table 18 Live births, spontaneous and induced terminations of pregnancy by boroughs of residence and occurrence, 1988	14
Table 19 Live births by mother's ancestry and borough of residence, 1988	14
Table 20 Live births, spontaneous and induced terminations of pregnancy by borough of residence and age of woman, 1988	15
Table 21 Spontaneous terminations by gestation and age of woman, 1988	15
Table 22 Live births by age of mother and selected characteristics, 1988	16
Table 23 Live births by mother's ethnic group and selected characteristics, 1988	17
Table 24 Live births by selected characteristics and infant deaths, by health center district of residence, 1988	18
Table 25 Live births by selected characteristics and mother's ancestry, 1988	18
Table 26 Live births to teenagers by selected characteristics and infant deaths, by health center district of residence, 1988	19
Table 27 Live births to teenagers by selected characteristics, 1979-1988	19
Table 28 Maternal risk factors by health center district of residence, 1988	20
Table 29 Live births, infant deaths and death rates by number of maternal risk factors and birth weight, 1988	20
Table 30 Live births, infant deaths and death rates by birth weight and color, 1988	21
Table 31 Infant deaths by age and sex, by race and by cause, 1988	21
Table 32 Infant and maternal mortality by mother's ethnic group, 1979-1988	22
Table 33 Cases of reportable diseases, 1940-1988	23
Table 34 Incidence of acquired immunodeficiency syndrome by sex and major risk group, 1980-1988	23

Table 1. Population, Births, Marriages, Deaths and Infant Mortality, New York City, 1898-1988

AVERAGE NUMBER

YEAR	Estimated Population July 1	LIVE BIRTHS*		MARRIAGES		DEATHS		INFANT MORTALITY	
		Total Re- ported	Rate per 1,000	Total Re- ported	Rate per 1,000	Total Re- ported	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	14.9	14,060	100.0
1916-1920	5,492,000	136,101	24.9	59,081	10.8	80,435	14.6	12,004	88.2
1921-1925	6,175,000	130,462	21.1	62,710	10.1	69,303	11.2	8,985	68.9
1926-1930	6,703,000	125,590	18.7	62,278	9.7	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	3,528	30.3
1946-1950	7,815,000	158,926	20.3	90,924	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	7,782,000	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	9.0	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	7,896,000	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	8.3	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	7,071,000	107,066	15.1	58,637	8.3	76,625	10.8	1,719	16.1
1981	7,071,000	108,547	15.4	61,775	8.7	73,329	10.4	1,678	15.5
1982	7,071,000	111,487	15.8	66,619	9.4	73,083	10.3	1,706	15.3
1983	7,071,000	112,353	15.9	68,164	9.6	73,544	10.4	1,603	14.3
1984	7,071,000	113,332	16.0	76,336	10.8	74,278	10.5	1,540	13.6
1985	7,071,000	118,542	16.8	77,897	11.0	74,852	10.6	1,591	13.4
1986	7,071,000	122,108	17.3	82,199	11.6	75,702	10.7	1,566	12.8
1987	7,071,000	127,386	18.0	76,194	10.8	76,448	10.8	1,673	13.1
1988	7,071,000	132,226	18.7	74,137	10.5	77,817	11.0	1,770	13.4

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

*1898-1913 birth figures are estimated, as the number actually reported was incomplete.

Table 2. Population in 1980 and Deaths in 1988 by Age, Color and Sex
New York City

AGE IN YEARS	1980 POPULATION BY AGE, COLOR AND SEX						DEATHS IN 1988 BY AGE, COLOR AND SEX					
	Total	WHITE		NON-WHITE		Total	WHITE		NON-WHITE		UNKNOWN	
		Male	Female	Male	Female		Male	Female	Male	Female	Male	Female
All ages	7,071,639	2,287,989	2,619,705	987,149	1,176,796	77,817	27,296	26,977	11,657	8,848	1,756	1,283
Under 5	470,694	145,694	139,026	93,632	92,342	2,014	416	381	547	384	166	120
5-9	447,327	139,274	132,388	88,532	87,133	154	42	32	39	29	4	8
10-14	506,283	156,269	150,495	99,639	99,880	127	36	25	37	20	6	3
15-19	563,492	173,239	173,646	105,921	110,686	501	172	57	209	49	10	4
20-24	603,893	196,109	215,843	85,329	106,612	986	378	123	351	105	26	3
25-29	631,050	214,912	227,057	84,030	105,051	1,576	624	201	503	187	48	13
30-34	572,117	190,654	200,661	80,365	100,437	2,438	977	277	754	325	78	27
35-39	450,735	142,784	153,181	67,605	87,165	2,927	1,059	373	985	381	93	36
40-44	382,820	119,731	130,642	59,308	73,139	2,617	1,068	368	764	317	68	32
45-49	360,104	117,227	131,845	49,145	61,887	2,569	974	397	748	317	90	43
50-54	392,990	132,323	154,581	45,463	60,623	3,099	1,085	592	831	456	92	43
55-59	393,169	134,444	163,317	41,077	54,331	4,054	1,501	936	825	596	129	67
60-64	345,233	119,223	151,891	30,527	43,592	5,666	2,181	1,405	1,039	789	152	100
65-69	316,596	107,135	149,764	23,393	36,304	6,881	2,624	2,004	1,081	893	187	92
70-74	253,923	83,706	129,534	15,565	25,118	8,026	3,073	2,809	957	890	166	131
75-79	189,629	59,217	103,392	9,856	17,164	9,388	3,572	3,700	821	958	180	157
80-84	114,252	34,310	66,231	4,803	8,908	9,660	3,395	4,494	588	895	134	154
85 & over	77,332	21,738	46,211	2,959	6,424	15,134	4,119	8,803	578	1,257	127	250

**Table 3. Deaths by Cause and Borough of Residence and Comparability Ratios
New York City, 1988**

CAUSE OF DEATH	Total Occurred in New York City	Borough of Residence					Res. of Inst.	Non-Res. of City	Residence Unknown	Comparability Ratio*
		Manhattan	Bronx	Brooklyn	Queens	Richmond				
Total All Causes	77,817	15,368	12,518	22,633	17,859	3,089	1,002	4,650	698	
1. Total tuberculosis (010-018)	246	71	30	101	25	—	6	6	7	0.77
Respiratory tuberculosis (010-012)	200	59	24	80	20	—	4	6	7	0.84
Other forms (013-018)	46	12	6	21	5	—	2	—	—	0.51
2. Septicemia (038)	1,024	226	216	262	203	41	15	56	5	0.85
3. Acquired immunodeficiency syndrome (042)	3,739	1,322	660	973	499	55	19	176	35	—
4. Other HIV infections (043-044)	34	4	9	13	7	—	—	1	—	—
5. Viral hepatitis (070)	15	2	4	4	3	—	—	2	—	1.40
6. Pneumocystosis (136.3)	104	23	17	29	21	6	—	8	—	—
7. Other infective and parasitic diseases (Rest of 001-139)	214	50	34	65	41	6	—	15	3	1.03
8. Malignant neoplasms, all (140-208)	15,655	3,152	2,192	4,215	3,742	729	88	1,509	28	1.00
Lip, oral cavity, and pharynx (140-149)	336	75	54	76	71	20	6	32	2	1.01
Digestive organs and peritoneum (150-159)	4,352	859	617	1,233	1,056	217	23	344	3	1.03
Stomach (151)	652	129	94	209	128	34	5	53	—	—
Colon (153)	1,687	327	234	456	460	84	8	117	1	—
Rectum (154)	254	51	48	61	56	9	4	24	1	—
Liver, bile duct, gallbladder (155-156)	541	124	58	153	129	33	1	43	—	—
Pancreas (157)	764	130	89	221	195	38	3	67	1	—
Respiratory system (160-165)	3,696	761	499	1,017	916	173	20	302	8	1.00
Trachea, bronchus and lung (162)	3,486	714	461	953	879	164	17	291	7	—
Kaposi's sarcoma (173.9)	27	11	1	8	5	—	—	2	—	—
Breast and genito-urinary organs (174, 179-189)	3,892	765	565	1,067	952	174	24	340	5	—
Breast, female (174)	1,581	315	226	417	411	79	5	125	3	1.01
Cervix uteri (180)	179	21	31	68	42	6	—	11	—	1.01
Ovary and other urinary adnexa (183)	445	85	48	111	119	22	—	59	1	1.01
Prostate (185)	851	182	136	247	181	26	14	64	1	1.01
Bladder and other urinary organs (188-189)	582	121	81	147	144	33	1	55	—	0.99
Other and unspecified sites (170-173, 175, 190-199)	1,923	390	269	462	449	87	11	247	8	0.96
Lymphatic and hematopoietic tissues (200-208)	1,429	291	187	352	293	58	4	242	2	0.96
Leukemia and aleukemia (204-208)	540	113	63	115	102	23	1	122	1	1.01
9. Benign and unspecified neoplasms (210-239)	290	64	38	73	59	9	1	46	—	1.21
10. Diabetes mellitus (250)	1,302	257	238	445	249	46	14	48	5	1.00
11. Alcohol dependence syndrome (303)	336	77	58	143	32	9	1	7	9	—
12. Drug dependence (304)	1,208	289	256	367	126	24	9	73	64	—
13. Diseases of the nervous system (320-389)	650	146	106	182	135	29	4	43	5	—
14. Total cardiovascular diseases (390-459)	33,793	5,720	5,300	9,938	8,946	1,448	643	1,620	178	1.01
Cerebrovascular disease (430-438)	2,856	597	422	814	699	124	37	150	13	1.00
Diseases of the heart (393-398, 402, 404-429)	28,738	4,668	4,557	8,572	7,609	1,261	581	1,340	150	1.01
Chronic rheumatic heart disease (393-398)	131	27	19	36	27	7	—	15	—	0.66
Ischemic heart disease (400-414)	22,808	3,298	3,608	6,758	6,489	1,019	509	1,021	106	0.88
Other forms of heart disease (420-429)	5,371	1,253	856	1,646	1,017	213	70	274	42	2.50
Hypertensive disease (401-405)	252	41	41	96	51	9	4	30	—	2.06
Atherosclerosis (440)	788	159	84	129	349	11	14	33	9	1.06
15. Pneumonia and influenza (480-487)	3,527	664	547	1,021	697	144	72	149	33	0.93
16. Chronic obstructive pulmonary diseases, all (490-496)	1,617	301	258	516	387	83	9	57	6	1.88
Bronchitis, emphysema, asthma (490-493)	466	90	100	131	106	17	2	17	3	1.00
17. Ulcer of stomach and duodenum (531-533)	278	70	25	75	78	10	—	12	8	1.12
18. Appendicitis (540-543)	25	7	7	5	3	1	—	2	—	1.01
19. Intestinal obstruction and hernia (550-553, 560)	135	24	28	41	29	3	2	8	—	0.94
20. Chronic liver disease and cirrhosis (571)	1,377	346	225	421	243	43	10	54	35	1.01
21. Nephritis, nephrotic syndrome and nephrosis (580-589)	931	208	139	290	197	42	7	41	7	0.50
22. Hyperplasia of prostate (600)	18	3	4	5	4	—	—	1	—	1.02
23. Complications of pregnancy, childbirth and the puerperium (630-676)	26	6	4	7	7	1	—	1	—	1.10
24. Congenital anomalies (740-759)	411	53	72	139	55	16	—	75	1	1.00
25. Certain conditions originating in the perinatal period (760-779)	1,027	166	224	388	151	28	—	69	1	1.08
26. Ill-defined (780-799)	1,309	297	251	394	214	37	8	64	44	0.91
27. All other diseases	4,022	912	707	1,141	800	166	54	218	24	0.78
28. Motor vehicle accidents (E800-E949)	1,477	247	233	393	396	47	11	115	35	1.00
Home accidents	618	89	100	176	154	24	1	62	12	1.01
29. Suicide and self-inflicted injuries (E950-E959)	603	123	92	158	186	12	6	19	7	0.99
30. Homicide (E960-E975, E990-E999)	557	146	90	124	131	17	2	29	18	1.00
31. Injury undetermined whether accidentally or purposely inflicted (E980-E989)	1,943	343	417	690	293	26	17	85	72	1.01
	727	172	129	173	86	22	10	60	75	0.57

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

*Ratio of deaths assigned according to the Ninth Revision to deaths assigned according to the Eighth Revision are based on dual coding of 1976 certificates.

Monthly Vital Statistics Report, DHEW Publication No. (PHS) 80-1120, February 29, 1980.

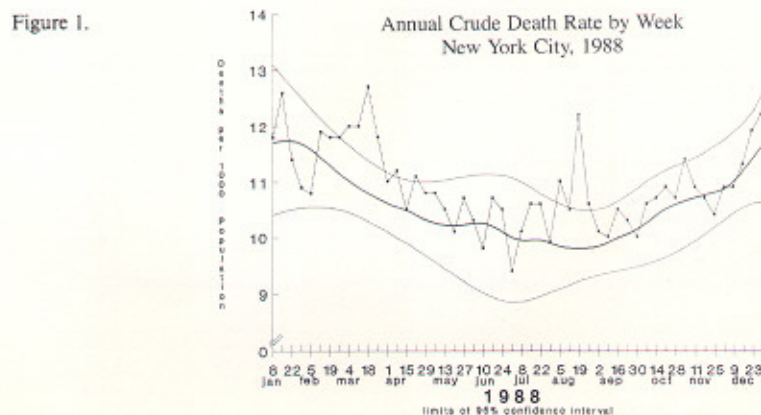


Table 4.

Chief Causes of Death in Specified Age Groups by Sex*

New York City, 1988

Males		ALL AGES		Females	
Deaths	Percent			Deaths	Percent
13,447	33.0	Heart Diseases		15,688	42.3
7,946	19.5	Malignant Neoplasms		7,709	20.8
3,086	7.6	Acquired Immunodeficiency Syndrome (AIDS)		653	1.8
1,574	3.9	Pneumonia and Influenza		1,753	4.7
1,205	3.0	Cerebrovascular Disease		1,651	4.4
1,646	4.0	Homicide		297	0.8
893	2.2	Chronic Obstructive Pulmonary Diseases		724	2.0
956	2.3	Accidents		521	1.4
998	2.5	Chronic Liver Disease and Cirrhosis		379	1.0
563	1.4	Diabetes Mellitus		739	2.0
8,395	20.6	All Other Causes		6,994	18.8
40,709	100.0	Total		37,108	100.0
UNDER 1 YEAR					
185	18.7	Congenital Anomalies		146	18.7
171	17.3	Immaturity		134	17.1
123	12.4	Other Conditions of Perinatal Period		95	12.1
86	8.7	Respiratory Distress Syndrome		81	10.4
56	5.7	Respiratory Conditions of Newborn		67	8.6
60	6.1	Sudden Infant Death Syndrome		30	3.8
29	2.9	Infection Specific to Perinatal Period		20	2.6
19	1.9	Neonatal Hemorrhage		14	1.8
25	2.5	Asphyxia		8	1.0
15	1.5	Pneumonia and Influenza		15	1.9
219	22.3	All Other Causes		172	22.0
988	100.0	Total		782	100.0
1 TO 14 YEARS					
69	22.6	Accidents		45	20.5
38	12.5	Malignant Neoplasms		28	12.8
25	8.2	Acquired Immunodeficiency Syndrome (AIDS)		24	11.0
28	9.2	Congenital Anomalies		18	8.2
26	8.5	Homicide		14	6.4
16	5.2	Diseases of Nervous System		12	5.5
12	3.9	Pneumonia and Influenza		13	5.9
9	3.0	Heart Diseases		9	4.1
6	2.0	Chronic Obstructive Pulmonary Diseases		3	1.4
6	2.0	Benign and Unspecified Neoplasms		2	0.9
70	21.9	All Other Causes		51	23.3
305	100.0	Total		219	100.0
15 TO 24 YEARS					
581	50.7	Homicide		60	17.6
129	11.3	Accidents		33	9.7
80	7.0	Suicide		11	3.2
52	4.5	Malignant Neoplasms		31	9.1
51	4.5	Acquired Immunodeficiency Syndrome (AIDS)		31	9.1
27	2.4	Heart Diseases		23	6.7
39	3.4	Drug Dependence		7	2.1
6	0.5	Pneumonia and Influenza		13	3.8
10	0.9	Diseases of Nervous System		8	2.3
8	0.7	Other Infective & Parasitic diseases		3	0.9
163	14.1	All Other Causes		121	35.5
1,146	100.0	Total		341	100.0
25 TO 34 YEARS					
982	32.9	Acquired Immunodeficiency Syndrome (AIDS)		288	28.0
541	18.1	Homicide		92	8.9
275	9.2	Drug Dependence		102	9.9
120	4.0	Malignant Neoplasms		97	9.4
138	4.6	Accidents		33	3.2
95	3.2	Heart Diseases		36	3.5
102	3.4	Suicide		22	2.1
73	2.4	Chronic Liver Disease and Cirrhosis		39	3.8
52	1.7	Pneumonia and Influenza		30	2.9
26	0.9	Cerebrovascular Disease		23	2.2
580	19.6	All Other Causes		268	26.1
2,984	100.0	Total		1,030	100.0

*Ten leading causes of death in each age group arranged in order of magnitude for both sexes combined.

Males

35 TO 44 YEARS

Females

Deaths	Percent
1,298	32.2
265	6.6
443	11.0
294	7.3
267	6.6
270	6.7
129	3.2
96	2.4
78	1.9
84	2.1
813	20.0
4,037	100.0

Acquired Immunodeficiency Syndrome (AIDS)	236	15.7
Malignant Neoplasms	355	23.6
Drug Dependence	138	9.2
Heart Diseases	130	8.6
Chronic Liver Disease and Cirrhosis	74	4.9
Homicide	50	3.3
Accidents	25	1.7
Pneumonia and Influenza	27	1.8
Suicide	30	2.0
Alcohol Dependence	18	1.2
All Other Causes	424	28.0
Total	1,507	100.0

45 TO 54 YEARS

750	19.6
929	24.3
514	13.5
275	7.2
125	3.3
123	3.2
121	3.2
93	2.4
103	2.7
61	1.6
726	19.0
3,820	100.0

Malignant Neoplasms	701	37.9
Heart Diseases	375	20.3
Acquired Immunodeficiency Syndrome (AIDS)	49	2.7
Chronic Liver Disease and Cirrhosis	68	3.7
Cerebrovascular Disease	87	4.7
Homicide	24	1.3
Drug Dependence	17	0.9
Pneumonia and Influenza	41	2.2
Accidents	23	1.2
Diabetes Mellitus	44	2.4
All Other Causes	419	22.7
Total	1,848	100.0

55 TO 64 YEARS

2,125	36.5
1,691	29.0
196	3.4
193	3.3
137	2.4
164	2.8
129	2.2
161	2.8
87	1.5
62	1.1
882	15.0
5,827	100.0

Heart Diseases	1,182	30.4
Malignant Neoplasms	1,511	38.8
Cerebrovascular Disease	160	4.1
Chronic Liver Disease and Cirrhosis	78	2.0
Diabetes Mellitus	116	3.0
Pneumonia and Influenza	87	2.2
Chronic Obstructive Pulmonary Diseases	93	2.4
Acquired Immunodeficiency Syndrome (AIDS)	14	0.4
Accidents	41	1.1
Nephritis and Nephrosis	53	1.4
All Other Causes	558	14.2
Total	3,893	100.0

65 TO 74 YEARS

3,347	41.4
2,321	28.7
283	3.5
254	3.1
236	2.9
155	1.9
107	1.3
138	1.7
104	1.3
106	1.3
1,037	12.9
8,088	100.0

Heart Diseases	2,756	40.4
Malignant Neoplasms	2,082	30.5
Cerebrovascular Disease	298	4.4
Chronic Obstructive Pulmonary Diseases	197	2.9
Pneumonia and Influenza	175	2.6
Diabetes Mellitus	200	2.9
Septicemia	105	1.5
Chronic Liver Disease and Cirrhosis	64	0.9
Nephritis and Nephrosis	87	1.3
Accidents	80	1.2
All Other Causes	775	11.4
Total	6,819	100.0

75 TO 84 YEARS

4,062	46.7
2,033	23.4
468	5.4
358	4.1
294	3.4
127	1.5
135	1.6
115	1.3
113	1.3
117	1.3
868	10.0
8,690	100.0

Heart Diseases	5,141	49.6
Malignant Neoplasms	1,964	19.0
Pneumonia and Influenza	502	4.8
Cerebrovascular Disease	515	5.0
Chronic Obstructive Pulmonary Diseases	216	2.1
Diabetes Mellitus	221	2.1
Atherosclerosis	152	1.5
Septicemia	172	1.7
Nephritis and Nephrosis	148	1.4
Accidents	118	1.1
All Other Causes	1,209	11.7
Total	10,358	100.0

85 AND OVER

2,555	53.0
673	14.0
432	9.0
160	3.3
81	1.7
85	1.8
111	2.3
83	1.7
70	1.5
44	0.9
530	10.8
4,824	100.0

Heart Diseases	6,033	58.5
Malignant Neoplasms	936	9.1
Pneumonia and Influenza	850	8.2
Cerebrovascular Disease	515	5.0
Septicemia	211	2.0
Atherosclerosis	196	1.9
Chronic Obstructive Pulmonary Diseases	119	1.2
Nephritis and Nephrosis	132	1.3
Accidents	118	1.1
Diabetes Mellitus	131	1.3
All Other Causes	1,069	10.4
Total	10,310	100.0

Table 5.

Deaths And Death Rates Per 100,000 Population From Selected Causes

Health Center District	Estimated Population July 1, 1980	All Causes		1980 Age Adjusted Death Rate (2)	Heart Diseases		Malignant Neoplasms		Influenza and Pneumonia		AIDS		Cerebrovascular Disease	
		No.	Rate (1)		No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
NEW YORK CITY	7,071,030	77,817	11.0	7.0	29,135	412.0	15,655	221.4	3,327	47.1	3,739	52.9	2,856	40.4
KNOWN RESIDENTS		71,467	†	†	27,045	†	14,030	†	3,073	†	3,509	†	2,656	†
MANHATTAN	1,427,533	15,368	10.8	6.6	4,778	334.7	3,152	220.8	664	46.5	1,322	92.6	597	41.8
Central Harlem	121,995	2,210	18.1	12.2	530	434.4	400	327.9	81	66.4	149	122.1	101	82.8
East Harlem	124,812	1,336	10.7	7.9	353	282.8	226	181.1	65	52.1	111	88.9	51	40.9
Kips Bay-Yorkville	231,749	2,000	8.6	4.6	728	314.1	519	223.9	85	36.7	92	39.7	93	40.1
Lower East Side	229,389	2,517	11.0	6.7	789	344.0	504	219.7	109	47.5	262	114.2	80	34.9
Lower West Side	271,294	2,903	10.7	6.2	916	337.6	623	229.6	119	43.9	421	155.2	92	33.9
Riverside	206,562	2,060	10.0	6.3	714	345.7	385	186.4	114	55.2	187	90.5	90	43.6
Washington Heights	241,732	2,342	9.7	6.2	748	309.4	495	204.8	91	37.6	100	41.4	90	37.2
BRONX	1,169,115	12,518	10.7	6.8	4,636	396.5	2,192	187.5	547	46.8	660	56.5	422	36.1
Fordham-Riverdale	234,781	2,691	11.5	6.0	1,206	513.7	472	201.0	123	52.4	90	38.3	94	40.0
Morrisania	134,388	1,544	11.5	8.8	439	326.7	202	150.3	70	52.1	127	94.5	44	32.7
Mott Haven	124,080	1,168	9.4	7.9	303	244.2	162	130.6	47	37.9	105	84.6	39	31.4
Pelham Bay	219,609	2,702	12.3	6.9	1,128	513.6	527	240.0	157	71.5	68	31.0	96	43.7
Tremont	172,959	1,368	7.9	8.0	365	211.0	176	101.8	42	24.3	144	83.3	48	27.8
Westchester	283,298	3,045	10.7	6.3	1,195	421.8	653	230.5	108	38.1	126	44.5	101	35.7
BROOKLYN	2,231,028	22,633	10.1	6.7	8,672	388.7	4,215	188.9	1,021	45.8	973	43.6	814	36.5
Bay Ridge	249,112	2,903	11.7	5.8	1,376	552.4	643	258.1	132	53.0	38	15.3	87	34.9
Bedford	208,653	2,441	11.7	8.4	690	330.7	382	183.1	72	34.5	161	77.2	124	59.4
Brownsville	271,217	2,500	9.2	7.1	812	299.4	430	158.5	92	33.9	143	52.7	88	32.4
Bushwick	166,609	1,434	8.6	8.2	404	242.5	225	135.0	55	33.0	121	72.6	56	33.6
Flatbush	479,533	4,212	8.8	5.9	1,659	346.0	843	175.8	217	45.3	118	24.6	160	33.4
Fort Greene	146,739	1,608	11.0	8.9	489	333.2	264	179.9	61	41.6	123	83.8	65	44.3
Gravesend	287,940	3,697	12.8	5.9	1,720	597.3	772	268.1	233	80.9	62	21.5	112	38.9
Red Hook-Gowanus	114,345	1,067	9.3	7.0	414	362.1	168	146.9	39	34.1	78	68.2	30	26.2
Sunset Park	164,477	1,477	9.0	6.2	664	403.7	262	159.3	61	37.1	62	37.7	47	28.6
Williamsburg-Greenpoint	142,403	1,294	9.1	6.9	444	311.8	226	158.7	59	41.4	67	47.0	45	31.6
QUEENS	1,891,325	17,859	9.4	5.6	7,688	406.5	3,742	197.9	697	36.9	499	26.4	699	37.0
Astoria	238,858	2,197	9.2	5.7	870	364.2	496	207.7	70	29.3	85	35.6	71	29.7
Corona	263,235	2,082	7.9	5.3	808	307.0	435	165.3	78	29.6	83	31.5	78	29.6
Flushing	442,164	3,919	8.9	4.8	1,915	433.1	889	201.1	169	38.2	39	8.8	134	30.3
Jamaica East	322,261	2,989	9.3	6.2	1,024	317.8	637	197.7	105	32.6	144	44.7	144	44.7
Jamaica West	348,656	3,690	10.6	6.5	1,701	487.9	635	182.1	156	44.7	96	27.5	131	37.6
Maspeth-Forest Hills	276,151	2,982	10.8	5.3	1,370	496.1	650	235.4	119	43.1	52	18.8	141	51.1
RICHMOND	352,029	3,089	8.8	6.0	1,271	361.0	729	207.1	144	40.9	55	15.6	124	35.2
RESIDENTS OF INSTITUTIONS	—	1,002	—	—	584	—	88	—	72	—	19	—	37	—
NON-RESIDENTS	—	4,650	—	—	1,354	—	1,509	—	149	—	176	—	150	—
RESIDENCE UNKNOWN	—	698	—	—	152	—	28	—	33	—	35	—	13	—

(1) Rate per 1,000 population.

(2) Standard is U.S. population, 1940.

† The death rate for New York City residents is not computed because deaths occurring outside New York City are not known.

Table 6.

Deaths by Boroughs of Residence and Occurrence
New York City, 1988

Borough of Residence	Total	Borough of Occurrence				
		Manhattan	Bronx	Brooklyn	Queens	Richmond
Manhattan	15,368	14,282	804	134	124	24
Bronx	12,518	1,202	11,130	74	107	5
Brooklyn	22,633	1,927	275	19,639	575	217
Queens	17,859	1,848	556	821	14,598	36
Richmond	3,089	146	22	82	14	2,825
Residents of Institutions	1,002	250	320	199	162	71
Non-Residents of City	4,650	2,202	948	298	1,106	96
Residence Unknown	698	298	197	135	66	2
Total	77,817	22,155	14,252	21,382	16,752	3,276

By Health Center District of Residence, New York City, 1988

Chronic Obstructive Pulmonary Diseases		Chronic Liver Disease & Cirrhosis		Diabetes Mellitus		Drug Dependence		Accidents		Suicide		Homicide		Injury Undetermined	
No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
1,617	22.9	1,377	19.5	1,302	18.4	1,208	17.1	1,477	20.9	557	7.9	1,943	27.5	727	10.3
1,545	†	1,278	†	1,235	†	1,062	†	1,316	†	508	†	1,769	†	582	†
301	21.1	346	24.2	257	18.0	289	20.2	247	17.3	146	10.2	343	24.0	172	12.0
38	31.1	72	59.0	55	45.1	96	78.7	47	38.5	4	3.3	87	71.3	35	28.7
28	22.4	33	26.4	31	24.8	48	38.5	28	22.4	14	11.2	41	32.8	15	12.0
51	22.0	34	14.7	23	9.9	3	1.3	22	9.5	27	11.7	9	3.9	19	8.2
45	19.6	68	29.6	54	23.5	55	24.0	41	17.9	32	14.0	46	20.1	16	7.0
49	18.1	53	19.5	23	8.5	26	9.6	39	14.4	25	9.2	26	9.6	39	14.4
43	20.8	29	14.0	30	14.5	33	16.0	32	15.5	23	11.1	34	16.5	19	9.2
47	19.4	57	23.6	41	17.0	28	11.6	38	15.7	21	8.7	100	41.4	29	12.0
258	22.1	225	19.2	238	20.4	256	21.9	233	19.9	90	7.7	417	35.7	129	11.0
55	23.4	31	13.2	49	20.9	26	11.1	33	14.1	11	4.7	56	23.9	17	7.2
29	21.6	51	37.9	31	23.1	63	46.9	30	22.3	13	9.7	94	69.9	11	8.2
31	25.0	36	29.0	20	16.1	46	37.1	41	33.0	18	14.5	65	52.4	16	12.9
46	20.9	29	13.2	49	22.3	29	13.2	42	19.1	16	7.3	44	20.0	24	10.9
31	17.9	32	18.5	29	16.8	47	27.2	34	19.7	16	9.3	83	48.0	32	18.5
66	23.3	46	16.2	60	21.2	45	15.9	53	18.7	16	5.6	75	26.5	29	10.2
516	23.1	421	18.9	445	19.9	367	16.4	393	17.6	124	5.6	690	30.9	173	7.8
72	28.9	43	17.3	35	14.0	14	5.6	35	14.0	8	3.2	26	10.4	16	6.4
58	27.8	76	36.4	80	38.3	71	34.0	40	19.2	14	6.7	129	61.8	26	12.5
71	26.2	61	22.5	53	19.5	64	23.6	49	18.1	8	2.9	146	53.8	23	8.5
28	16.8	48	28.8	31	18.6	54	32.4	28	16.8	12	7.2	70	42.0	18	10.8
95	19.8	42	8.8	68	14.2	32	6.7	85	17.7	24	5.0	123	25.6	22	4.6
27	18.4	36	24.5	43	29.3	41	27.9	22	15.0	4	2.7	68	46.3	16	10.9
84	29.2	30	10.4	67	23.3	26	9.0	46	16.0	25	8.7	38	13.2	21	7.3
18	15.7	28	24.5	18	15.7	20	17.5	26	22.7	7	6.1	27	23.6	8	7.0
27	16.4	21	12.8	19	11.6	18	10.9	28	17.0	12	7.3	20	12.2	10	6.1
36	25.3	36	25.3	31	21.8	27	19.0	34	23.9	10	7.0	43	30.2	13	9.1
387	20.5	243	12.8	249	13.2	126	6.7	396	20.9	131	6.9	293	15.5	86	4.5
69	28.9	47	19.7	33	13.8	12	5.0	56	23.4	16	6.7	33	13.8	8	3.3
52	19.8	31	11.8	27	10.3	10	3.8	50	19.0	14	5.3	48	18.2	13	4.9
76	17.2	38	8.6	42	9.5	15	3.4	75	17.0	33	7.5	34	7.7	19	4.3
47	14.6	42	13.0	46	14.3	47	14.6	64	19.9	22	6.8	99	30.7	13	4.0
80	22.9	50	14.3	65	18.6	32	9.2	90	25.8	21	6.0	64	18.4	22	6.3
63	22.8	35	12.7	36	13.0	10	3.6	61	22.1	25	9.1	15	5.4	11	4.0
83	23.6	43	12.2	46	13.1	24	6.8	47	13.4	17	4.8	26	7.4	22	6.2
9	—	10	—	14	—	9	—	11	—	2	—	17	—	10	—
57	—	54	—	48	—	73	—	115	—	29	—	85	—	60	—
6	—	35	—	5	—	64	—	35	—	18	—	72	—	75	—

Table 7. Deaths by Ancestry and Borough of Residence, New York City, 1988

Ancestry	Total	Borough of Residence					Residents of Institutions	Non-Residents of City	Residence Unknown
		Manhattan	Bronx	Brooklyn	Queens	Richmond			
Puerto Rican	5,032	1,148	1,992	1,414	305	48	22	95	8
Dominican	635	325	142	81	64	2	5	15	1
Colombian	198	21	12	20	128	2	—	15	—
Ecuadorian	141	28	27	25	57	1	—	3	—
Mexican	67	18	17	17	12	2	—	1	—
Cuban	472	180	56	63	129	6	6	31	1
Other Hispanic	2,005	486	445	470	337	25	26	103	113
American	20,498	4,154	2,217	5,260	5,200	1,347	220	2,094	6
Haitian	364	16	6	221	106	1	—	14	—
Guyanese	180	11	11	95	57	—	1	5	—
Jamaican	369	30	105	159	58	—	3	13	1
Other North, Central and South American	1,104	126	170	548	191	15	8	46	—
European	21,426	2,629	3,128	6,350	6,526	1,251	379	1,153	10
Chinese	873	416	26	168	200	19	13	29	2
Indian	154	9	13	20	89	5	—	18	—
Korean	115	8	6	11	73	7	—	10	—
Filipino	99	20	8	12	36	9	—	14	—
Other Asian	1,048	122	76	502	209	11	33	94	1
African	15,602	3,796	3,059	5,257	2,693	192	112	446	47
Not stated	7,435	1,825	1,002	1,940	1,389	146	174	451	508
Total	77,817	15,360	2,518	22,633	17,859	3,089	1,002	4,650	698

Table 8. Deaths from Accidents By Age, New York City, 1988

Type	All Ages	0-4	5-14	15-24	25-44	45-54	55-64	65-74	75 and over
Total	1,477	45	82	162	325	126	128	186	423
Work	33	—	—	3	19	8	2	1	—
Home	603	37	29	22	64	40	51	87	273
Poisoning	8	1	3	—	2	—	—	1	1
Falls	368	7	3	12	36	22	23	51	214
Fire and flames	117	9	17	8	13	10	18	21	21
Suffocation	71	12	3	1	7	5	7	9	27
Other home accidents	39	8	3	1	6	3	3	5	10
Motor Vehicle	621	5	44	112	176	51	55	77	101
Injury to pedestrian	349	4	36	21	81	30	35	59	83
Collision with other motor vehicle	132	1	2	42	48	5	12	11	11
Collision with fixed object	72	—	—	34	23	7	5	2	1
Non-collision	15	—	—	3	9	1	1	—	1
Other motor vehicle accidents	53	—	6	12	15	8	2	5	5
Public Non-Motor Vehicle	214	2	8	25	65	27	20	18	49
Railroad and subway	30	—	2	6	14	4	—	2	2
Water transportation	2	—	—	—	—	—	1	1	—
Falls	81	—	—	6	16	8	10	7	34
Fire and flames	5	—	—	—	1	4	—	—	—
Drowning	19	1	2	6	4	2	1	2	1
Other public non-motor vehicle accidents	77	1	4	7	30	9	8	6	12
Unknown	6	1	1	—	1	—	—	3	—

Table 9. Deaths from Suicides By Age, New York City, 1988

Method	All Ages	0-4	5-14	15-24	25-44	45-54	55-64	65-74	75 and over
Total	557	—	3	91	232	60	61	53	57
Poisoning by solid or liquid substances	77	—	—	6	37	8	9	8	9
Poisoning by gases and vapors	5	—	—	—	3	—	1	—	1
Hanging, strangulation or suffocation	150	—	2	24	57	13	19	15	20
Submersion (drowning)	17	—	—	2	11	1	1	2	—
Firearms and explosives	93	—	—	27	31	16	7	11	1
Cutting and Piercing Instrument	17	—	—	—	6	2	4	3	2
Jumping from high place	156	—	1	24	64	16	16	13	22
Other and unspecified means	42	—	—	8	23	4	4	1	2

Table 10. Deaths from Homicides By Age, New York City, 1988

Method	All Ages	0-4	5-14	15-24	25-44	45-54	55-64	65-74	75 and over
Total	1,943	37	29	641	953	147	66	45	25
Hanging and Strangulation	76	3	4	10	38	8	4	5	4
Submersion (drowning)	2	1	—	—	1	—	—	—	—
Firearms and Explosives	1,333	3	18	530	662	77	30	11	2
Cutting and Piercing Instruments	330	1	2	80	167	35	20	17	8
Child Battering	10	9	1	—	—	—	—	—	—
Late Effects	5	—	—	1	4	—	—	—	—
Legal Intervention	1	—	—	—	—	1	—	—	—
Other and Unspecified	186	20	4	20	81	26	12	12	11

Deaths from Injury Undetermined Whether Accidentally or Purposely Inflicted By Age, New York City, 1988**Table 11.**

Method	All Ages	0-4	5-14	15-24	25-44	45-54	55-64	65-74	75 and over
Total	727	23	5	94	359	87	58	45	56
Poisoning by solid or liquid substances	250	—	—	24	189	21	9	5	2
Poisoning by gases and vapors	4	—	—	—	1	—	—	3	—
Hanging, strangulation or suffocation	39	1	—	5	16	6	3	5	3
Submersion (drowning)	45	2	—	10	19	5	2	3	4
Firearms and explosives	31	—	—	13	12	5	—	1	—
Cutting and Piercing Instruments	6	—	—	2	1	—	1	—	2
Falling from high place	40	3	1	5	15	3	4	1	8
Late effects	1	—	—	—	—	—	—	—	1
Other and unspecified means	311	17	4	35	106	47	39	27	36

Table 12. Deaths from AIDS by Age, Sex and Ethnic Group, New York City, 1983-1988

AGE GROUP / ETHNIC GROUP		MALE						FEMALE					
		1983	1984	1985	1986	1987	1988	1983	1984	1985	1986	1987	1988
ALL AGES	Total	376	826	1,463	2,265	2,651	3,086	49	126	200	385	508	653
	Puerto Rican	53	134	203	357	484	499	12	42	43	89	98	148
	Other Hispanic	27	57	128	174	202	328	3	3	7	13	16	66
	Asian	7	4	20	16	19	25	1	1	—	2	2	1
	Other White	173	356	604	844	921	1,005	9	16	30	65	65	87
	Other Black	110	254	430	696	800	1,098	24	61	103	180	261	330
	All Others	2	—	1	1	2	2	—	—	—	—	—	—
	Unknown	4	21	77	177	223	129	—	3	17	36	66	21
UNDER 1	Total	1	3	6	7	16	16	1	5	5	14	20	5
	Puerto Rican	—	2	1	1	2	5	—	—	—	3	1	—
	Other Hispanic	—	—	1	—	1	—	—	2	—	1	1	1
	Asian	—	—	1	—	—	—	—	—	—	—	—	—
	Other White	—	1	1	2	5	4	1	—	1	3	1	—
	Other Black	1	—	2	4	6	6	—	3	3	6	14	3
	All Others	—	—	—	—	—	—	—	—	1	1	3	1
	Unknown	—	—	—	—	2	1	—	—	—	—	—	—
1-14	Total	4	4	14	19	26	25	3	6	13	22	26	24
	Puerto Rican	1	1	1	2	6	5	—	3	2	3	4	4
	Other Hispanic	—	—	—	2	4	2	—	—	—	3	1	5
	Asian	—	—	2	—	—	—	—	—	—	1	—	—
	Other White	2	2	4	1	3	—	1	—	1	3	7	5
	Other Black	1	1	7	13	13	17	2	3	10	9	11	9
	All Others	—	—	—	1	—	1	—	—	—	3	3	1
	Unknown	—	—	—	—	—	—	—	—	—	—	—	—
15-24	Total	9	22	31	63	64	51	5	10	12	22	16	31
	Puerto Rican	2	6	8	15	16	12	1	5	2	7	3	11
	Other Hispanic	1	2	4	3	8	7	—	—	1	—	2	3
	Asian	—	—	—	1	—	—	—	—	—	—	—	—
	Other White	3	4	5	18	10	11	—	—	1	3	1	5
	Other Black	2	10	13	21	22	17	4	4	4	11	9	12
	All Others	1	—	1	5	8	4	—	1	4	1	1	—
	Unknown	—	—	—	—	—	—	—	—	—	—	—	—
25-34	Total	132	272	496	743	866	982	22	74	97	186	245	288
	Puerto Rican	20	54	82	156	181	219	4	23	22	44	43	74
	Other Hispanic	10	19	40	56	59	114	1	—	3	3	9	27
	Asian	4	2	1	5	5	2	—	1	—	1	1	—
	Other White	46	100	194	238	282	254	4	13	16	38	29	31
	Other Black	52	91	153	234	260	343	13	37	49	87	129	146
	All Others	—	—	1	—	1	—	—	—	—	—	—	—
	Unknown	—	6	25	54	78	50	—	—	7	13	34	10
35-44	Total	162	335	601	937	1,058	1,298	12	24	56	107	147	236
	Puerto Rican	25	58	85	136	193	191	5	9	15	28	34	44
	Other Hispanic	9	23	42	76	75	129	2	1	3	5	1	24
	Asian	3	1	9	5	7	15	—	—	—	—	—	—
	Other White	81	141	254	351	365	427	1	1	6	13	19	38
	Other Black	39	105	176	289	334	497	4	11	29	49	75	122
	All Others	2	—	—	1	1	1	—	—	—	—	—	—
	Unknown	3	7	35	79	83	38	—	2	3	12	18	8
45-54	Total	48	138	233	363	430	514	4	4	11	24	37	49
	Puerto Rican	4	10	22	34	63	58	2	1	2	2	12	12
	Other Hispanic	6	13	30	26	42	57	—	—	—	1	2	5
	Asian	—	1	5	3	5	4	—	—	—	—	—	1
	Other White	24	80	102	164	166	210	1	1	3	3	3	2
	Other Black	14	29	62	109	112	161	1	2	5	13	15	28
	All Others	—	5	12	27	42	24	—	—	1	5	5	1
	Unknown	—	—	—	—	—	—	—	—	—	—	—	—
55+	Total	20	52	82	133	191	200	2	3	6	10	17	20
	Puerto Rican	1	3	4	13	23	9	—	1	—	2	1	3
	Other Hispanic	1	—	11	11	13	19	—	—	—	—	—	1
	Asian	—	—	2	2	2	4	1	—	—	—	1	—
	Other White	17	28	44	70	90	99	1	1	2	2	5	6
	Other Black	1	18	17	26	53	57	—	1	3	5	8	10
	All Others	—	—	—	—	—	1	—	—	—	—	—	—
	Unknown	—	3	4	11	10	11	—	—	1	1	2	—

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, 1988

Cause of Death	Total	Percent of Total Deaths with Specified Characteristics							Age Under 20
		Hispanic	Asian	Other White	Other Black	Other Nonwhite & Unknown	Male	Never Married	
All Causes	77,817	11.0	2.9	58.3	23.9	3.9	52.3	23.4	3.6
AIDS	3,739	27.8	0.7	29.2	38.2	4.1	82.5	65.6	1.9
Drug Dependence	1,208	26.8	0.2	17.1	51.8	4.0	77.6	52.8	0.3
Cirrhosis of Liver	1,377	24.0	1.2	35.4	34.4	5.0	72.5	28.9	0.2
Homicide	1,943	30.1	3.0	12.9	51.6	2.4	84.7	62.8	15.6
Motor Vehicle Accidents	618	23.0	6.5	45.1	23.5	1.9	66.7	43.7	15.9
Other Accidents	859	16.1	2.9	52.5	24.6	4.0	63.3	34.8	11.1
Suicide	557	20.3	5.9	52.4	18.7	2.7	74.5	45.8	5.7
Injury Undetermined	727	22.6	1.7	36.0	34.7	5.1	75.0	47.0	7.7
All Other Causes	66,789	8.6	3.1	63.0	21.5	3.9	48.1	18.5	3.2

Table 14.

**Life Expectancy at Specified Ages By Sex and Color
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 2.

**New York City
Health Center Districts**



Table 15. 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. Age-Adjusted Death Rates^(a) Certain 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(c)	17.5
Auto accidents	(b)	(b)	14.9	22.6	12.8	7.3	7.7	11.0	7.8
Other accidents	(b)	(b)	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(c)	10.0
Homicide	3.6	5.1	6.2	8.0	4.4	4.0	5.3	14.0	23.0

- (a) For 1901-'03 and 1909-'11 rates are adjusted for age and sex; for all other years rates are adjusted for age, sex and color. Standard is U.S. Population, 1940.
 (b) Data not available.
 (c) Not strictly comparable with prior years.

Figure 3.

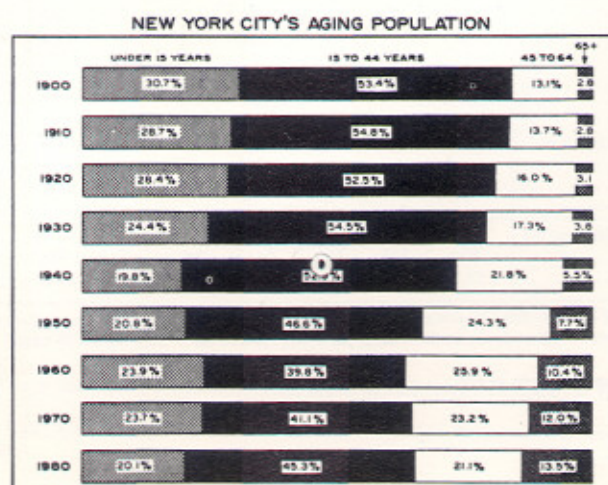


Table 17.

Deaths and Crude Death Rates from Selected Causes

CAUSE	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)	(b)	(b)	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)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	2,110	2,338	2,845
Rate per 1,000 live births	—	—	—	—	—	—	—	20.5	18.5	17.7
Fetal deaths 28 weeks gestation & over	(b)	(b)	(b)	(b)	(b)	(b)	(b)	2,589	2,709	2,902
Ratio per 1,000 live births	—	—	—	—	—	—	—	25.3	21.4	18.1
Perinatal rate (a)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	44.7	39.1	35.1
Measles (055)	616	925	630	559	405	255	107	31	14	16
Rate (c)	144.0	191.8	119.8	100.5	73.2	46.8	21.4	6.5	2.6	2.4
Meningococcal infection (036)	846	485	185	184	106	305	142	87	135	40
Rate	22.3	10.8	3.7	3.4	1.7	4.6	2.0	1.2	1.8	0.5
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
Other tuberculosis (013-018)	1,246	1,288	1,415	1,189	754	670	498	345	304	229
Rate	32.9	28.8	28.0	21.6	12.2	10.0	7.0	4.7	4.0	2.9
Influenza (487)	449	412	393	4,480	725	874	625	250	108	48
Rate	11.9	9.2	7.8	81.6	11.7	13.0	8.8	3.4	1.4	0.6
Pneumonia (480-486)	9,976	10,573	10,135	12,656	8,210	9,115	7,580	5,087	3,345	2,966
Rate	263.5	236.4	200.7	230.4	133.0	136.0	106.7	69.1	44.0	38.2
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
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
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
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
Drug dependence (304)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)
Rate	—	—	—	—	—	—	—	—	—	—
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
Motor vehicle accidents (E810-E825)	(b)	(b)	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	(b)	(b)	(b)	(b)	(b)	(b)	(b)	1,546	1,823	1,941
Rate	—	—	—	—	—	—	—	21.0	24.0	25.0
Other accidents	3,521	3,549	3,516	3,426	3,138	3,574	3,205	1,561	1,268	1,314
Rate	93.0	79.3	69.3	62.4	50.8	53.3	45.1	21.2	16.7	16.9
Injury undetermined whether accidentally or purposely inflicted (E980-E989)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)
Rate	—	—	—	—	—	—	—	—	—	—
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

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

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

(b) Not available.

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

(d) Rate less than 0.05.

per 100,000 Population, New York City, 1901-1988

ANNUAL AVERAGE

1949-1951	1952-1955	1956-1960	1961-1965	1966-1970	1971-1975	1976-1980	1981-1985	1986	1987	1988
3,882	4,021	4,290	4,333	3,477	2,312	1,875	1,624	1,566	1,673	1,770
24.5	24.6	25.7	26.2	23.6	19.9	17.4	14.4	12.8	13.1	13.4
2,989	3,032	3,220	3,226	2,602	1,714	1,333	1,097	1,078	1,139	1,232
18.9	18.5	19.3	19.5	17.7	14.8	12.3	9.7	8.8	8.9	9.3
2,604	2,713	2,909	2,922	2,351	1,480	1,131	927	909	977	1,027
16.4	16.6	17.4	17.7	16.0	12.8	10.5	8.2	7.4	7.7	7.8
2,441	2,310	2,362	2,276	1,885	1,288	835	719	643	741	689
15.4	14.1	14.1	13.8	12.8	11.1	7.7	6.4	5.3	5.8	5.2
31.3	30.2	31.1	31.0	28.4	23.6	18.1	14.5	12.7	13.4	10.0
10	12	12	8	2	1	0	0	0	0	0
1.4	1.8	1.8	1.1	0.2	0.2	—	—	—	—	—
32	34	27	24	19	10	16	15	14	8	10
0.4	0.4	0.3	0.3	0.2	0.1	0.2	0.2	0.2	0.1	0.1
2,173	1,178	824	624	432	235	141	125	160	154	200
27.4	15.0	10.6	8.0	5.5	3.1	2.0	1.8	2.3	2.2	2.8
172	97	52	43	39	32	22	35	26	65	46
2.2	1.2	0.7	0.5	0.5	0.4	0.3	0.5	0.4	0.9	0.7
57	51	68	32	63	27	35	7	7	1	4
0.7	0.6	0.9	0.4	0.8	0.3	0.5	0.1	0.1	(d)	0.1
2,412	2,613	3,391	3,362	3,499	3,137	2,965	2,733	3,250	3,174	3,323
30.4	33.2	43.4	42.9	44.4	41.0	41.0	38.7	46.0	44.9	47.0
450	461	651	960	1,425	1,627	1,583	1,941	2,525	2,513	2,548
5.7	5.9	8.3	12.3	18.1	21.3	21.9	27.5	35.7	35.5	36.0
15,556	16,553	16,869	17,398	17,814	17,315	16,549	15,889	15,861	15,822	15,655
196.0	210.6	216.1	222.1	226.3	226.3	228.7	224.7	224.3	223.8	221.4
1,583	1,644	1,581	1,789	1,867	2,064	1,547	1,436	1,370	1,332	1,302
19.9	20.9	20.3	22.9	23.7	27.0	21.4	20.3	19.4	18.8	18.4
1,500	1,440	1,858	2,386	2,936	2,440	2,185	1,789	1,532	1,432	1,377
19.2	18.3	23.8	30.5	37.3	31.9	30.2	25.3	21.7	20.3	19.5
570	556	573	509	447	372	381	383	689	791	931
7.2	7.1	7.3	6.5	5.7	4.9	5.3	5.4	9.7	11.2	13.2
36,206	37,724	38,988	39,943	41,981	40,639	37,978	37,818	35,246	33,967	33,793
456.3	479.9	499.5	510.2	532.4	531.1	524.8	534.8	498.5	480.4	477.9
5,099	5,688	6,013	6,174	6,277	5,433	4,174	3,194	3,230	2,946	2,856
64.3	72.4	77.0	78.9	79.7	71.0	57.7	45.2	45.7	41.7	40.4
(b)	81	96	263	551	677	414	573	767	956	1,208
—	1.0	1.2	3.4	7.0	8.8	5.7	8.1	10.8	13.5	17.1
863	649	711	908	680	641	711	603	593	502	557
10.9	8.3	9.1	11.6	8.6	8.4	9.8	8.5	8.4	7.1	7.9
318	340	366	592	992	1,663	1,700	1,763	1,635	1,691	1,943
4.0	4.3	4.7	7.6	12.6	21.7	23.5	24.9	23.1	23.9	27.5
600	634	655	714	887	834	606	477	514	622	618
7.6	8.1	8.4	9.1	11.3	10.9	8.4	6.7	7.3	8.8	8.7
1,699	1,568	1,095	951	871	755	525	486	555	485	603
21.4	19.9	14.0	12.1	11.1	9.9	7.3	6.9	7.8	6.9	8.5
1,008	882	996	996	859	484	401	326	236	192	256
12.7	11.2	12.8	12.7	10.9	6.3	5.5	4.6	3.3	2.7	3.6
(b)	(b)	(b)	(b)	946	1,062	699	696	661	790	727
—	—	—	—	10.9	13.9	9.7	9.8	9.3	11.2	10.3
115	102	107	109	73	36	28	33	29	28	26
7.3	6.2	6.4	6.6	5.0	3.1	2.6	2.9	2.4	2.2	2.0

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 of Injury Undetermined Whether Accidentally or Purposely Inflicted makes accidents and suicides not comparable with prior years.

9th, 1979

Table 18.

**Live Births, Spontaneous (28 Weeks Gestation and Over) and Induced Terminations of
Pregnancy by Boroughs of Residence and Occurrence, New York City, 1988**

Borough of Residence/ Pregnancy Outcome	Borough of Occurrence					
	Total	Manhattan	Bronx	Brooklyn	Queens	Richmond
NEW YORK CITY	223,052	86,764	27,745	58,458	44,014	6,071
Live births	132,226	40,733	21,382	39,270	25,264	5,577
Spontaneous terminations	689	206	99	241	121	22
Induced terminations	90,137	45,825	6,264	18,947	629	472
MANHATTAN	35,532	32,816	930	455	1,319	12
Live births	21,291	20,295	621	182	182	11
Spontaneous terminations	109	103	3	2	1	—
Induced terminations	14,132	12,418	306	271	1,136	1
BRONX	41,712	15,100	24,546	456	1,601	9
Live births	24,526	4,912	19,215	129	262	8
Spontaneous terminations	118	28	90	—	—	—
Induced terminations	17,068	10,160	5,241	327	1,339	1
BROOKLYN	77,174	18,052	212	52,817	5,783	310
Live births	44,370	6,230	101	36,534	1,217	288
Spontaneous terminations	265	28	1	229	4	3
Induced terminations	32,539	11,794	110	16,054	4,562	19
QUEENS	42,696	9,198	292	2,063	31,119	24
Live births	26,789	4,246	201	1,278	21,042	22
Spontaneous terminations	130	18	—	5	107	—
Induced terminations	15,777	4,934	91	780	9,970	2
RICHMOND	8,201	1,597	4	1,023	137	5,440
Live births	6,045	334	2	664	53	4,992
Spontaneous terminations	22	3	—	1	—	18
Induced terminations	2,134	1,260	2	358	84	430
NON-RESIDENTS	15,988	9,171	1,628	1,311	3,612	266
Live births	9,166	4,710	1,231	471	2,500	254
Spontaneous terminations	40	26	5	2	6	1
Induced terminations	6,782	4,435	392	838	1,106	11
RESIDENCE UNKNOWN	1,749	830	133	333	443	10
Live births	39	6	11	12	8	2
Spontaneous terminations	5	—	—	2	3	—
Induced terminations	1,705	824	122	319	432	8

Table 19.

**Live Births by Mother's Ancestry and
Borough of Residence, New York City, 1988**

Ancestry of Mother	Borough of Residence						Non- Residents	Residence Unknown
	Total	Manhattan	Bronx	Brooklyn	Queens	Richmond		
Puerto Rican	18,822	2,830	7,882	6,074	1,424	279	330	3
Dominican	9,816	4,135	2,602	1,649	1,307	23	98	2
Colombian	1,932	117	87	218	1,447	19	42	2
Ecuadorian	1,670	198	315	421	688	7	41	—
Mexican	1,552	257	411	633	194	19	38	—
Cuban	502	125	88	73	141	14	61	—
Other Hispanic	4,673	452	1,045	1,346	1,582	110	137	1
American	15,161	2,280	665	4,591	3,689	1,437	2,493	6
Haitian	3,441	122	58	2,480	698	8	74	1
Guyanese	1,713	25	225	868	562	7	25	1
Jamaican	2,623	49	578	1,495	442	9	48	2
Other North, Central and South American	5,778	480	1,035	2,993	1,029	53	187	1
European	19,580	2,812	1,732	5,401	3,547	2,898	3,184	6
Chinese	3,855	974	102	1,155	1,210	94	320	—
Indian	1,482	70	160	233	848	58	113	—
Korean	1,195	75	82	125	780	33	100	—
Filipino	1,005	151	101	143	435	42	133	—
Other Asian	4,060	445	301	1,618	1,148	165	383	—
African	28,168	4,569	6,385	11,054	4,892	650	607	11
Not stated	5,198	1,125	672	1,800	726	120	752	3
Total	132,226	21,291	24,526	44,370	26,789	6,045	9,166	39

Table 20.

**Live Births, Spontaneous and Induced Terminations of Pregnancy
by Borough of Residence and Age of Woman, New York City, 1988**

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	
NEW YORK CITY	227,037	1,130	12,293	18,104	60,152	62,413	44,772	20,277	4,744	3,152
Live births	132,226	335	5,106	8,273	31,362	39,637	31,043	13,417	2,715	338
Spontaneous terminations	4,674	10	112	178	831	1,221	1,083	698	279	262
Induced terminations	90,137	785	7,075	9,653	27,959	21,555	12,646	6,162	1,750	2,552
MANHATTAN	36,160	188	1,877	2,721	8,902	9,320	7,662	4,080	1,019	391
Live births	21,291	71	835	1,242	4,474	5,606	5,424	2,924	658	57
Spontaneous terminations	737	3	19	22	111	167	192	142	55	26
Induced terminations	14,132	114	1,023	1,457	4,317	3,547	2,046	1,014	306	308
BRONX	42,056	284	2,821	4,129	13,129	11,298	6,505	2,683	589	618
Live births	24,526	104	1,391	2,133	7,361	7,147	4,310	1,689	328	57
Spontaneous terminations	462	—	16	36	105	122	87	51	15	63
Induced terminations	17,068	180	1,414	1,960	5,663	4,029	2,108	943	246	525
BROOKLYN	78,799	368	4,504	6,584	21,768	21,437	14,712	6,654	1,638	1,134
Live births	44,370	121	1,964	3,197	11,338	13,086	9,541	4,100	877	146
Spontaneous terminations	1,890	6	48	74	389	494	408	271	114	86
Induced terminations	32,539	241	2,492	3,313	10,041	7,857	4,763	2,283	647	902
QUEENS	43,429	131	1,876	3,023	11,112	12,887	9,139	3,826	858	577
Live births	26,789	31	749	1,346	6,191	8,812	6,612	2,523	473	52
Spontaneous terminations	863	1	19	28	145	228	219	131	46	46
Induced terminations	15,777	99	1,108	1,649	4,776	3,847	2,308	1,172	339	479
RICHMOND	8,549	25	283	485	1,830	2,848	2,076	739	166	97
Live births	6,045	6	110	221	1,137	2,256	1,665	545	100	5
Spontaneous terminations	370	—	6	13	58	117	88	28	20	40
Induced terminations	2,134	19	167	251	635	475	323	166	46	52
NON-RESIDENTS	16,247	123	822	985	2,879	4,203	4,409	2,166	444	216
Live Births	9,166	2	55	133	856	2,715	3,484	1,628	279	14
Spontaneous terminations	299	—	4	3	15	84	81	75	29	8
Induced terminations	6,782	121	763	849	2,008	1,404	844	463	136	194
RESIDENCE UNKNOWN	1,797	11	110	177	532	420	269	129	30	119
Live Births	39	—	2	1	5	15	7	8	—	1
Spontaneous terminations	53	—	—	2	8	9	8	—	—	26
Induced terminations	1,705	11	108	174	519	396	254	121	30	92

Table 21.

**Spontaneous Terminations of Pregnancy by Gestation and Age of Woman
New York City, 1988**

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	1,860	3	28	51	286	489	452	327	155	69
13-15	385	1	11	12	59	101	94	70	23	14
16-19	385	2	3	23	80	100	83	60	24	10
20-27	616	1	34	26	137	166	148	68	15	21
28 & Over	697	2	19	31	145	195	166	80	29	30
Not stated	731	1	17	35	124	170	140	93	33	118
Total	4,674	10	112	178	831	1,221	1,083	698	279	262

**Table 22. Selected Characteristics of Live Births by Age of Mother
New York City, 1988**

	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	132,226	335	5,106	8,273	31,362	39,637	31,043	13,417	2,715	338
Sex										
Male	67,932	187	2,615	4,195	16,004	20,460	16,035	6,907	1,362	167
Female	64,294	148	2,491	4,078	15,358	19,177	15,008	6,510	1,353	171
Race of Child										
White	75,462	139	2,340	4,062	16,882	22,730	18,854	8,522	1,774	159
Black	47,003	192	2,712	4,055	13,071	13,262	8,996	3,819	743	153
American Indian	53	1	4	6	12	14	9	5	2	—
Chinese	3,989	—	13	39	489	1,515	1,408	446	66	13
Japanese	309	—	—	—	12	77	134	75	11	—
Filipino	828	—	4	9	45	272	338	127	32	1
Other nonwhite	4,582	3	33	102	851	1,767	1,304	423	87	12
Race of Child for Mothers of										
Hispanic ancestry	38,967	133	2,144	3,377	11,728	11,077	6,953	2,851	604	100
White	33,779	122	1,897	2,999	10,141	9,580	5,952	2,491	511	86
Black	4,903	11	240	359	1,510	1,407	941	336	86	13
American Indian	9	—	1	2	2	1	1	1	1	—
Chinese	40	—	—	1	12	14	10	2	—	1
Japanese	8	—	—	—	3	3	2	—	—	—
Filipino	9	—	—	1	4	1	1	2	—	—
Other nonwhite	219	—	6	15	56	71	46	19	6	—
Number of Child in Order of Birth (Live Births Only)										
First	66,738	310	4,370	6,216	18,168	18,997	12,780	4,772	948	177
Second	34,105	21	623	1,611	8,288	10,880	8,637	3,395	581	69
Third	17,314	2	88	357	3,312	5,673	5,067	2,329	434	52
Fourth	7,566	2	16	68	1,141	2,447	2,337	1,289	245	21
Fifth	3,200	—	3	13	317	1,009	1,052	631	169	6
Sixth or more	3,303	—	6	7	137	630	1,170	1,002	338	13
Weight at Delivery										
Less than 500 grams	220	—	30	20	51	62	52	22	3	—
500-999 grams	1,030	4	47	65	242	299	235	93	22	3
1000-1499 grams	1,301	6	62	82	312	371	292	137	33	6
1500-1999 grams	2,529	9	139	187	615	693	558	269	52	7
2000-2499 grams	7,806	18	392	560	2,018	2,216	1,658	777	144	23
2500-2999 grams	25,612	92	1,262	1,923	6,556	7,413	5,471	2,377	451	67
3000-3499 grams	50,783	141	2,068	3,357	12,335	15,334	11,561	4,852	1,001	134
3500-3999 grams	32,481	158	942	1,684	7,220	9,944	8,269	3,566	727	71
4000-4499 grams	8,817	7	161	352	1,740	2,758	2,464	1,092	228	15
4500-4999 grams	1,445	—	21	40	250	472	422	198	39	3
5000 grams and over	196	—	1	1	19	69	58	34	13	1
Not stated	26	—	1	2	4	6	3	—	2	8
Plurality										
Single	128,891	327	5,014	8,132	30,716	38,647	30,123	12,949	2,649	334
Twin	3,218	8	89	138	634	954	896	435	60	4
Triplet	113	—	3	3	12	32	24	33	6	—
Quadruplet	4	—	—	—	—	4	—	—	—	—
Place of Birth										
Home	184	1	2	12	37	55	44	23	7	3
Hospital										
Voluntary/Private Service	60,435	28	621	1,327	9,327	19,814	18,959	8,524	1,730	105
Voluntary/General Service	35,426	158	2,333	3,495	10,631	9,774	6,035	2,435	452	113
Municipal	34,801	142	2,006	3,377	11,112	9,577	5,635	2,255	492	105
Maternity Center	211	—	—	1	9	63	95	37	5	1
Other	1,169	6	44	61	246	354	275	143	29	11
Attendant										
Physician	123,399	29	4,539	7,356	28,678	37,271	29,516	12,827	2,605	309
Nurse Midwife	8,751	37	564	916	2,662	2,345	1,513	584	106	24
Other	76	—	3	1	22	21	14	6	4	5
Financial Coverage										
Self	17,746	54	687	1,174	4,451	5,378	3,980	1,620	349	53
Medicaid	46,867	217	3,357	5,043	15,078	12,280	7,260	2,916	580	136
Third Party	54,981	37	679	1,404	9,052	17,890	16,728	7,578	1,506	107
HMO	8,210	13	232	369	1,737	2,807	2,054	824	164	10
Not stated	4,422	14	151	283	1,044	1,282	1,021	479	116	32
Month of First Visit for Prenatal Care										
Early (1-6 months)	102,366	179	3,296	5,557	22,529	31,317	25,738	11,267	2,250	233
Late (7-9 months)	11,284	77	824	1,156	3,439	3,045	1,820	718	172	33
No Care	4,568	21	231	434	1,393	1,280	801	321	69	18
Not stated	14,008	58	755	1,126	4,001	3,995	2,684	1,111	224	54
Legitimacy										
In wedlock	79,002	15	635	2,064	14,771	26,516	22,929	9,900	2,018	154
Out of wedlock	53,224	320	4,471	6,209	16,591	13,121	8,114	3,517	697	184
Nativity of Mother										
Puerto Rico	7,074	18	374	519	2,197	1,860	1,206	694	197	9
Native	73,334	282	3,951	5,898	17,865	20,581	16,386	6,936	1,264	171
Foreign	51,678	35	774	1,848	11,269	17,155	13,426	5,783	1,253	135
Not stated	140	—	7	8	31	41	25	4	1	23

Table 23. Selected Characteristics of Live Births and Spontaneous Terminations of Pregnancy (28 Weeks & Over) by Mother's Ethnic Group New York City, 1988

	Total	Ethnic Group of Mother						Not Stated
		Puerto Rican	Other Hispanic	Asian	Other White	Other Black	Other Nonwhite	
Total Live Births	132,226	18,822	20,145	11,597	38,992	41,356	556	758
Sex								
Male	67,932	9,663	10,370	6,145	19,966	21,103	292	393
Female	64,294	9,159	9,775	5,452	19,026	20,253	264	365
Number of Child in Order of Birth (Live Births Only)								
First	66,738	8,908	9,866	6,351	21,030	19,814	326	443
Second	34,105	4,784	5,237	3,248	10,474	10,071	145	146
Third	17,314	2,842	3,080	1,176	4,191	5,884	48	93
Fourth	7,566	1,299	1,247	425	1,534	3,001	19	41
Fifth	3,200	571	393	164	670	1,370	10	22
Sixth or more	3,303	418	322	233	1,093	1,216	8	13
Weight at Delivery								
Under 500 grams	220	25	21	4	42	126	1	1
500-999 grams	1,010	123	92	38	160	591	2	4
1000-1499 grams	1,301	174	113	49	236	718	4	7
1500-1999 grams	2,529	413	252	804	446	1,288	7	19
2000-2499 grams	7,806	1,348	837	472	1,552	3,500	34	63
2500-2999 grams	25,612	4,122	3,358	2,367	5,939	9,525	124	177
3000-3499 grams	50,783	7,200	7,935	4,992	14,874	15,246	238	298
3500-3999 grams	32,481	4,181	5,665	2,817	11,548	8,012	118	140
4000-4499 grams	8,817	1,043	1,583	650	3,509	1,973	26	33
4500-4999 grams	1,445	171	258	92	592	324	2	6
5000 grams and over	196	22	30	11	89	42	—	2
Not stated	26	—	1	1	5	11	—	8
Plurality								
Single	128,891	18,408	19,757	11,394	37,879	40,155	551	747
Twin	3,218	402	382	194	1,036	1,188	5	11
Triplet	113	12	6	9	73	13	—	—
Quadruplet	4	—	—	—	4	—	—	—
Apgar Score at 5 Minutes								
6 or less	2,199	286	244	98	369	1,183	2	17
7	1,557	222	228	75	261	759	5	7
8	5,837	909	1,001	330	1,062	2,495	16	24
9	68,950	11,166	11,543	5,204	16,744	23,727	268	298
10	51,909	5,986	6,969	5,821	20,270	12,207	260	396
Not stated	1,774	253	160	69	286	985	5	16
Place of Birth								
Home	184	11	9	12	81	70	—	1
Hospital								
Voluntary/Private Service	60,435	3,874	3,936	7,936	32,131	12,046	270	242
Voluntary/General Service	35,426	7,506	7,704	2,205	3,737	14,006	100	168
Municipal	34,801	7,271	8,389	1,359	2,429	14,849	181	323
Maternity Center	211	6	4	7	172	19	1	2
Other	1,169	154	103	78	442	366	4	22
Attendant								
Physician	123,399	16,740	18,322	11,213	37,557	38,352	506	709
Nurse Midwife	8,751	2,071	1,813	380	1,423	2,970	50	44
Other	76	11	10	4	12	34	—	5
Financial Coverage								
Self	17,746	1,814	3,623	2,590	4,665	4,874	84	96
Medicaid	46,867	11,341	9,852	1,180	4,009	20,130	138	237
Third Party	54,981	4,023	5,355	6,899	27,298	10,822	268	316
HMO	8,210	936	660	580	1,638	4,329	41	26
Not stated	4,422	708	655	348	1,382	1,221	25	83
Month of First Visit for Prenatal Care								
Early (1-6 months)	102,366	13,386	14,916	9,583	34,206	29,284	443	548
Late (7-9 months)	11,284	1,923	2,407	1,003	1,587	4,248	48	68
No Care	4,568	835	721	203	598	2,156	14	41
Not stated	14,008	2,678	2,101	808	2,601	5,668	51	101
Legitimacy								
In wedlock	79,002	7,259	11,661	10,687	34,241	14,256	415	483
Out of wedlock	53,224	11,563	8,484	910	4,751	27,100	141	275
Nativity of Mother								
Puerto Rico	7,074	6,872	106	2	55	20	—	19
Native	73,334	11,520	1,583	841	31,907	27,173	93	217
Foreign	51,678	406	18,444	10,748	7,016	14,092	463	509
Not stated	140	24	12	6	14	71	—	13
Spontaneous Terminations of Pregnancy (28 Weeks & Over)								
Total	689	65	83	49	145	303	6	38
Sex								
Male	344	31	46	21	70	158	4	14
Female	305	32	34	26	64	128	2	19
Undetermined	40	2	3	2	11	17	—	5
Weight at Delivery								
Under 500 grams	22	3	1	1	1	16	—	—
500-999 grams	102	9	13	5	22	49	—	4
1000-1499 grams	104	10	13	5	23	46	2	5
1500-1999 grams	91	11	4	5	14	52	—	5
2000-2499 grams	74	6	13	8	11	31	1	4
2500 grams & over	296	26	39	25	74	109	3	20

Table 24.

Live Births by Selected Characteristics and Infant Deaths by Health Center District of Residence, New York City, 1988

Health Center DISTRICT			Percent of Total Live Births with Specified Characteristic								Infant Mortality (Under 1 Year)		Neonatal Mortality (Under 28 Days)	
	Live Births	Rate (1)	Mother's Ancestry Hispanic		Nonwhite Child	First Live Birth	Under 2,500 Grams	Late or no Prenatal Care	Out of Wedlock	On Medicaid	Number	Rate (2)	Number	Rate (2)
Puerto Rican			Other Hispanic											
NEW YORK CITY	132,226	18.7	14.2	15.2	42.9	50.5	9.7	12.0	40.3	35.4	1,770	13.4	1,232	9.3
MANHATTAN	21,291	14.9	13.3	24.8	39.2	53.2	10.8	13.7	44.4	41.3	285	13.4	196	9.2
Central Harlem	2,495	20.5	6.0	4.2	92.1	41.5	20.8	20.5	81.2	62.5	55	22.0	31	12.4
East Harlem	2,209	17.7	40.2	11.1	38.5	58.3	13.7	13.3	56.9	48.6	43	19.5	32	14.5
Kips Bay-Yorkville	2,124	9.2	1.6	3.3	13.7	71.6	6.0	4.8	12.5	4.3	11	5.2	8	3.8
Lower East Side	2,805	12.2	21.6	13.2	41.1	53.0	8.6	11.2	34.0	31.5	30	10.7	22	7.8
Lower West Side	3,067	11.3	9.5	9.1	31.1	57.8	9.1	12.9	29.5	21.5	37	12.1	24	7.8
Riverside	2,643	12.8	11.0	16.5	31.4	60.2	9.8	11.3	39.4	30.9	36	13.6	25	9.5
Washington Heights	5,948	24.6	9.6	63.6	33.1	44.2	9.5	16.9	50.3	62.4	73	12.3	54	9.1
BRONX	24,526	21.0	32.1	18.5	45.6	45.2	11.4	14.7	57.7	51.1	375	15.3	264	10.8
Fordham-Riverdale	4,498	19.2	31.8	21.6	30.5	45.5	8.8	12.4	47.8	45.0	59	13.1	50	11.1
Morrisania	3,988	29.7	30.4	18.2	58.6	45.6	14.2	17.0	71.2	63.6	70	17.6	45	11.3
Mott Haven	2,926	23.6	46.4	20.8	44.5	54.1	13.7	17.9	71.2	62.9	48	16.4	27	9.2
Pelham Bay	3,041	13.8	18.0	5.7	64.6	38.8	10.2	12.1	45.6	33.7	39	12.8	29	9.5
Tremont	5,598	32.4	33.7	26.3	46.6	44.2	11.6	16.1	67.4	61.5	100	17.9	66	11.8
Westchester	4,475	15.8	32.3	13.4	35.6	44.6	10.7	12.7	42.8	37.4	59	13.2	47	10.5
BROOKLYN	44,370	19.9	13.7	9.8	50.2	48.6	9.9	12.4	43.8	40.2	647	14.6	443	10.0
Bay Ridge	3,196	12.8	8.7	6.7	14.3	54.0	5.4	6.5	14.2	17.3	22	6.9	16	5
Bedford	5,397	25.9	3.2	5.4	88.1	47.6	14.3	15.7	64.0	53.5	112	20.8	74	13.7
Brownsville	5,771	21.3	13.8	6.9	71.0	49.8	11.8	13.6	59.7	48.8	115	19.9	72	12.5
Bushwick	4,640	27.8	33.8	22.4	42.4	46.5	11.4	17.6	58.3	60.1	62	13.4	43	9.3
Flatbush	9,658	20.1	4.1	5.7	62.8	49.5	8.2	11.3	36.7	27.6	118	12.2	85	8.8
Fort Greene	3,296	22.5	15.0	7.1	70.0	49.5	14.7	17.1	63.4	51.5	80	24.3	57	17.3
Gravesend	3,844	13.4	9.0	6.5	28.0	50.6	7.9	9.3	23.8	21.9	32	8.3	24	6.2
Red Hook-Gowanus	1,645	14.4	23.6	6.9	34.8	52.0	10.3	8.1	43.0	39.1	37	22.5	24	14.6
Sunset Park	3,654	22.2	21.4	16.4	15.7	47.0	7.3	8.3	26.4	33.9	32	8.8	25	6.8
Williamsburg-Greenp't	3,269	23.0	26.2	19.7	12.8	40.1	7.3	11.7	36.0	51.3	37	11.3	23	7.0
QUEENS	26,789	14.2	5.3	20.0	45.0	56.8	8.3	11.8	30.9	23.3	263	9.8	183	6.8
Astoria-Long Is'd City	3,078	12.9	5.8	24.6	31.0	59.7	7.6	14.3	27.5	19.0	29	9.4	20	6.5
Corona	5,184	19.7	4.3	44.6	37.4	55.8	7.5	18.6	31.3	21.1	48	9.3	36	6.9
Flushing	4,592	10.4	3.0	14.6	34.7	57.8	5.9	7.5	13.6	8.9	33	7.2	22	4.9
Jamaica East	5,476	17.0	2.6	8.7	83.7	60.9	12.3	8.9	50.6	37.7	84	15.3	55	10.0
Jamaica West	5,504	15.8	9.4	15.5	45.1	51.7	8.7	11.9	35.9	31.6	53	9.6	37	6.7
Maspeth-Forest Hills	2,955	10.7	7.4	10.0	17.3	55.6	5.9	9.0	14.5	12.1	16	5.4	13	4.4
RICHMOND	6,045	17.2	4.6	3.2	17.9	48.4	6.5	5.1	16.8	17.0	48	7.9	35	5.8
NON-RESIDENTS RESIDENCE UNKNOWN	9,166	—	3.6	4.5	19.6	50.2	8.0	4.2	9.7	4.7	140	—	101	—
	39	—	7.7	12.8	46.2	43.6	7.7	15.4	33.3	25.6	12	—	10	—

(1) Rate per 1,000 population. (2) Rate per 1,000 live births.

Table 25.

Live Births by Selected Characteristics and Mother's Ancestry, New York City, 1988

Ancestry	Live Births	Percent of Live Births with Indicated Characteristic							Teenage Mother
		Native Born Mother	Non-white Child	First Live Birth	Under 2500 Grams	Late or No Prenatal Care	Out of Wedlock	On Medicaid	
Puerto Rican	18,822	61.2	9.8	47.3	11.1	14.7	61.4	60.3	20.8
Dominican	9,816	4.8	20.9	44.8	6.5	15.7	43.9	62.3	7.7
Colombian	1,932	2.0	2.6	57.5	4.7	16.0	40.2	28.9	5.4
Ecuadorian	1,670	3.2	2.9	48.1	5.0	15.3	34.0	38.3	6.6
Mexican	1,552	3.8	5.3	53.9	7.5	23.9	44.3	36.7	19.0
Cuban	502	28.9	13.5	49.6	9.2	9.8	30.3	30.5	6.2
Other Hispanic	4,673	19.8	22.3	52.8	7.3	12.9	42.6	38.9	9.4
American	15,161	95.7	4.6	55.8	7.1	5.6	14.7	12.5	4.8
Haitian	3,441	1.4	99.3	47.3	7.4	13.7	40.2	35.5	2.6
Guyanese	1,713	1.0	82.7	55.3	12.6	11.5	35.3	31.9	7.9
Jamaican	2,623	1.5	99.5	48.0	9.6	11.6	58.5	37.7	8.8
Other North, Central and South American	5,778	4.9	85.2	47.5	10.0	13.2	45.1	29.8	6.2
European	19,580	74.9	2.8	52.4	5.8	5.4	10.7	8.2	3.0
Chinese	3,855	5.3	99.1	58.0	4.4	7.7	5.3	3.1	1.2
Indian	1,482	2.4	94.9	56.5	9.0	13.6	11.3	11.7	2.8
Korean	1,195	0.5	99.0	64.1	3.8	17.2	5.3	6.4	0.6
Filipino	1,005	3.3	94.1	58.6	7.9	7.0	10.5	5.1	1.5
Other Asian	4,060	13.9	40.0	47.3	6.0	10.7	9.1	18.7	4.0
African	28,168	93.0	98.5	47.9	17.3	16.6	73.1	55.0	19.1
Not stated	5,198	71.7	23.4	54.5	8.3	8.1	23.4	19.5	5.5
Total	132,226	55.6	42.9	50.5	9.7	12.0	40.3	35.4	10.4

Table 26.

Live Births to Teenagers by Selected Characteristics and Infant Deaths by Health Center District of Residence, New York City, 1988

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		Nonwhite Child	First Live Birth	Under 2,500 Grams	Late or no Prenatal Care	Out of Wedlock	On Medicaid				
			Puerto Rican	Other Hispanic							Number	Rate (1)	Number	Rate (1)
NEW YORK CITY	13,714	10.4	28.6	12.6	52.3	79.5	11.7	20.0	80.2	62.8	206	15.0	139	30.1
MANHATTAN	2,148	10.1	30.2	22.1	50.4	82.2	12.1	21.5	83.2	67.7	28	13.0	18	8.4
Central Harlem	408	16.4	8.1	2.5	91.2	79.9	16.9	23.0	96.1	71.1	10	24.5	7	17.2
East Harlem	356	16.1	54.8	9.3	42.4	86.0	13.2	16.3	82.9	67.7	4	11.2	1	2.8
Kips Bay-Yorkville	89	4.2	13.5	5.6	75.3	95.5	9.0	28.1	88.8	52.8	—	—	—	—
Lower East Side	282	10.1	49.6	16.0	30.5	82.6	11.7	19.9	76.2	63.5	2	7.1	2	7.1
Lower West Side	166	5.4	27.7	15.1	48.8	73.5	13.9	34.9	81.3	62.0	2	12.0	2	12.0
Riverside	217	8.2	30.9	17.5	48.8	80.2	11.5	23.5	88.9	63.1	3	13.8	3	13.8
Washington Heights	630	10.6	24.6	50.5	34.9	82.5	8.6	18.9	76.0	72.5	7	11.1	3	4.8
BRONX	3,628	14.8	44.7	12.1	44.2	75.1	11.1	19.0	82.8	66.4	53	14.6	35	9.6
Fordham-Riverdale	545	12.1	50.5	17.1	26.1	77.4	7.9	18.0	77.6	69.4	4	7.3	4	7.3
Morrisania	717	18.0	38.5	9.6	57.9	74.8	11.9	19.5	88.3	70.6	11	15.3	6	8.4
Mott Haven	557	19.0	55.3	12.7	39.7	80.4	10.8	17.2	83.5	63.9	5	9.0	3	5.4
Pelham Bay	304	10.0	24.0	4.3	67.4	61.2	13.8	19.4	83.6	56.9	2	6.6	1	3.3
Tremont	971	17.3	48.0	14.7	41.0	75.2	11.7	19.4	85.5	68.2	21	21.6	14	14.4
Westchester	534	11.9	41.6	9.6	41.4	75.5	11.0	20.0	74.5	62.4	10	18.7	7	13.1
BROOKLYN	5,282	11.9	25.8	8.3	57.5	80.1	12.3	19.8	80.1	64.0	92	17.4	64	12.1
Bay Ridge	178	5.6	23.6	14.0	6.2	86.0	7.9	11.2	46.1	46.6	1	5.6	1	5.6
Bedford	800	14.8	4.9	2.4	92.6	79.0	16.2	22.1	91.4	69.9	14	17.5	3	13.8
Brownsville	934	16.2	20.7	3.7	75.1	80.7	10.6	17.2	87.8	65.2	17	18.2	11	11.8
Bushwick	863	18.6	45.9	14.3	38.2	73.9	12.3	22.4	80.3	72.7	12	13.9	9	10.4
Flatbush	683	7.1	9.1	6.7	74.1	83.6	13.6	24.3	79.6	50.8	15	22.0	10	14.6
Fort Greene	600	18.2	22.0	3.8	75.2	78.0	14.2	21.5	87.3	68.0	16	26.7	12	20.0
Gravesend	286	7.4	23.1	11.2	39.5	84.3	9.8	23.8	69.2	50.7	3	10.5	1	3.5
Red Hook-Gowanus	189	11.5	40.7	3.7	50.3	83.1	11.1	12.2	79.4	70.9	5	26.5	4	21.2
Sunset Park	365	10.0	41.6	21.1	8.5	85.2	10.1	14.5	60.0	59.2	4	11.0	3	8.2
Williamsburg-Greenp't	384	11.7	52.9	13.3	14.6	79.2	9.4	14.6	70.8	65.9	5	13.0	2	5.2
QUEENS	2,126	7.9	9.5	16.6	57.5	83.2	10.9	21.6	75.4	50.8	27	12.7	17	8.0
Astoria-L.I.C.	207	6.7	11.6	21.7	40.1	86.0	8.7	28.5	61.4	32.9	4	19.3	2	9.7
Corona	330	6.4	7.0	47.6	21.8	84.2	8.2	30.9	62.4	38.8	2	6.1	1	3.0
Flushing	148	3.2	9.5	24.3	28.4	92.6	10.1	22.3	64.2	30.4	1	6.8	1	6.8
Jamaica East	731	13.3	3.1	5.1	88.5	86.3	14.1	13.3	87.8	59.8	15	20.5	10	13.7
Jamaica West	594	10.8	15.5	9.8	62.1	75.3	10.8	22.6	78.6	59.1	5	8.4	3	5.1
Maspeth-Forest Hills	116	3.9	22.4	16.4	7.8	83.6	3.4	29.3	57.8	44.8	116	—	—	—
RICHMOND	337	5.6	14.5	3.9	43.0	78.3	8.6	13.4	71.8	63.2	5	14.8	4	11.9
NON-RESIDENTS RESIDENCE UNKNOWN	190	2.1	20.0	8.9	43.7	74.7	15.3	23.2	67.4	41.1				
	3	7.7	33.3	—	100.0	66.7	33.3	—	66.7	66.7	1		1	

(1) Rate per 1,000 live births to teenagers.

Table 27.

Live Births to Teenagers By Selected Characteristics, New York City, 1979-1988

	YEAR									
	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
Total Live Births	106,021	107,066	108,547	111,487	112,353	113,332	118,542	122,108	127,386	132,226
Percent to Teenagers	13.4	13.2	12.9	12.8	12.4	11.8	11.2	10.8	10.3	10.4
Births to Teenagers	14,259	14,123	14,014	14,276	13,892	13,339	13,304	13,168	13,166	13,714
Percent of Births with Specified Characteristic:										
Puerto Rican	30.1	29.7	30.9	30.0	30.1	29.4	28.6	29.4	29.1	28.6
Other Hispanic	7.5	7.6	7.6	8.9	9.1	9.5	10.3	10.8	12.9	12.6
Nonwhite Child	53.4	55.4	53.9	55.3	54.2	54.5	54.4	53.2	52.1	52.3
First Live Birth	78.3	79.1	80.0	79.8	80.2	80.2	80.1	79.8	80.3	79.5
Under 2,500 Grams	12.8	12.1	11.6	11.3	11.3	11.3	11.2	11.7	11.4	11.7
Prenatal Care in First 6 Months of Pregnancy	60.5	60.7	61.7	59.6	60.3	59.7	59.7	56.2	58.0	65.8
Out of Wedlock	75.2	76.7	78.0	79.0	80.0	81.4	81.7	82.7	82.1	80.2
On Medicaid	61.1	60.7	60.5	59.8	62.6	65.7	66.9	64.2	64.3	62.8

Table 28.

**Maternal Risk Factors by Health Center District
of Residence, New York City, 1988**

HEALTH CENTER DISTRICT	Total Live Births	Number of Maternal Risk Factors*			
		None	One	Two	Three
		%	%	%	%
NEW YORK CITY	132,226	48.9	31.9	16.2	3.0
MANHATTAN	21,291	44.5	33.4	18.6	3.5
Central Harlem	2,495	12.1	44.1	37.3	6.6
East Harlem	2,209	29.8	36.3	27.4	6.5
Kips Bay-Yorkville	2,124	79.6	14.7	4.2	1.5
Lower East Side	2,805	53.9	30.5	13.0	2.5
Lower West Side	3,067	59.8	24.5	13.3	2.4
Riverside	2,643	50.7	30.2	15.6	3.6
Washington Heights	5,948	36.1	41.8	19.4	2.7
BRONX	24,526	31.0	40.8	23.8	4.5
Fordham-Riverdale	4,498	39.9	39.4	17.5	3.2
Morrisania	3,988	19.3	43.8	30.9	6.1
Mott Haven	2,926	18.4	43.8	32.5	5.2
Pelham Bay	3,041	42.6	38.1	16.4	2.9
Tremont	5,598	22.2	44.0	28.4	5.4
Westchester	4,475	44.0	35.2	17.2	3.7
BROOKLYN	44,370	45.1	34.4	17.3	3.2
Bay Ridge	3,196	72.7	21.7	5.0	0.6
Bedford	5,397	28.4	42.5	24.6	4.4
Brownsville	5,771	32.3	39.4	24.3	4.0
Bushwick	4,640	29.1	40.6	25.3	5.0
Flatbush	9,658	51.5	33.9	12.4	2.2
Fort Greene	3,296	27.7	39.3	27.2	5.9
Gravesend	3,844	64.1	22.7	10.9	2.3
Red Hook-Gowanus	1,645	47.6	33.8	16.5	2.1
Sunset Park	3,654	59.1	29.6	9.4	1.9
Williamsburg-Greenpoint	3,269	50.4	31.7	15.4	2.5
QUEENS	26,789	57.5	28.3	12.1	2.1
Astoria-Long Island City	3,078	58.0	28.2	11.9	1.9
Corona	5,184	51.5	32.6	13.9	2.0
Flushing	4,592	76.7	17.6	5.0	0.7
Jamaica East	5,476	42.1	37.8	17.3	2.8
Jamaica West	5,504	53.1	28.5	15.0	3.4
Maspeth-Forest Hills	2,955	73.9	19.5	5.6	1.0
RICHMOND	6,045	76.3	16.0	6.7	1.0
NON-RESIDENTS	9,166	82.5	13.7	3.2	0.6
RESIDENCE UNKNOWN	39	46.2	25.6	28.2	—

*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 Death Rates by
Number of Maternal Risk Factors and Birth Weight,
New York City, 1988**

NUMBER OF RISK FACTORS	TOTAL*			LESS THAN 2,500 GRAMS			2,500 GRAMS & OVER		
	Births	Infant Deaths	Death Rate	Births	Infant Deaths	Death Rate	Births	Infant Deaths	Death Rate
None	64,697	435	6.7	4,009	267	66.6	60,680	163	2.7
One	42,169	606	14.4	4,620	416	90.0	37,539	183	4.9
Two	21,451	519	24.2	3,639	375	103.1	17,803	140	7.9
Three	3,909	93	23.8	596	71	119.1	3,312	21	6.3
Unknown	—	117	—	—	—	—	—	—	—
Total	132,226	1,770	13.4	12,864	1,129	87.8	119,334	507	4.2

*Includes those with unknown birth weight.
Rate per 1,000 live births

Table 30. a) Live Births and Infant Deaths by Birth Weight and Color, New York City, 1988

Birth Weight (in Grams)	Live Births				Infant Deaths									
					Under One Year					Under 28 Days				
					Total	White	Black	Other	Not Stated	Total	White	Black	Other	Not Stated
Less than 500	218	83	131	4	215	84	127	1	3	213	84	125	1	3
500-999	1,010	348	626	36	537	200	315	19	3	475	179	275	18	3
1000-1499	1,301	482	771	48	137	62	71	2	2	103	51	50	2	0
1500-1999	2,529	1,057	1,387	85	112	49	59	2	2	70	36	31	2	1
2000-2499	7,806	3,548	3,842	416	128	63	61	3	1	65	37	25	2	1
Less than 2500	12,864	5,518	6,757	589	1,129	458	633	27	11	926	387	506	25	8
2500-2999	25,612	12,878	10,658	2,076	195	87	100	4	4	77	45	27	3	2
3000-3499	50,783	29,077	17,453	4,253	197	97	95	5	—	87	44	40	3	—
3500-3999	32,481	20,839	9,371	2,271	89	47	38	4	—	35	19	15	1	—
4000-4499	8,817	6,012	2,310	495	21	5	15	1	—	12	3	8	1	—
4500-4999	1,445	987	390	68	5	4	1	—	—	4	3	1	—	—
5000 & Over	196	135	52	9	—	—	—	—	—	—	—	—	—	—
2500 & Over	119,334	69,928	40,234	9,172	507	240	249	14	4	215	114	91	8	2
Not Stated	28	16	12	—	17	6	11	—	—	17	6	11	—	—
Unmatched*	—	—	—	—	117	72	34	1	10	74	43	23	0	8
Total	132,226	75,462	47,003	9,761	1,770	776	927	42	25	1,232	550	631	33	18

b) Infant Mortality Rates (per 1,000 live births) by Birth Weight and Color, New York City, 1988

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	986.2	**	969.5	**	977.1	**	954.2	**	967.9	**	946.6	**
500-999	531.7	574.7	503.2	**	470.3	514.4	439.3	**	402.0	433.9	380.2	**
1000-1499	105.3	128.6	92.1	**	79.2	105.8	64.9	**	62.3	80.9	53.2	**
1500-1999	44.3	46.4	42.5	**	27.7	34.1	22.4	**	19.4	24.6	15.1	**
2000-2499	16.4	17.8	15.9	7.2	8.3	10.4	6.5	4.8	5.8	7.6	4.2	2.4
Less than 2500	87.8	83.0	93.7	45.8	72.0	70.1	74.9	42.4	61.6	59.1	65.1	30.6
2500-2999	7.6	6.8	9.4	1.9	3.0	3.5	2.5	1.4	2.3	2.6	1.9	1.4
3000-3499	3.9	3.3	5.4	1.2	1.7	1.5	2.3	0.7	1.2	1.1	1.5	0.7
3500-3999	2.7	2.3	4.1	1.8	1.1	0.9	1.6	0.4	0.7	0.6	1.2	0.4
4000-4499	2.4	0.8	6.5	2.0	1.4	0.5	3.5	2.0	1.2	0.5	3.0	2.0
4500-4999	3.51	4.1	2.6	—	2.8	3.0	2.6	—	1.1	2.0	2.6	—
5000 & Over	—	—	—	—	—	—	—	—	—	—	—	—
2500 & Over	4.2	3.4	6.2	1.5	1.8	1.6	2.3	0.9	1.3	1.2	1.6	0.9
Total	13.4	10.3	19.7	4.3	9.3	7.3	13.4	3.4	7.8	5.9	11.4	2.7

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

**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, 1988

	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	1,770	576	108	304	451	97	234
Race of Child							
White	776	235	52	127	212	51	99
Black	927	313	54	167	224	40	129
Other and not stated	67	28	2	10	15	6	6
Cause of Death							
Certain Gastrointestinal Diseases (008-009, 535, 555-558)	2	—	—	1	—	—	1
Acquired Immunodeficiency Syndrome (AIDS) (042)	21	—	—	16	—	—	5
Pneumonia and Influenza (480-487)	30	4	2	9	—	—	15
Congenital Anomalies (740-759)	331	89	32	64	70	28	48
Short Gestation and Low Birth Weight (765)	305	160	4	7	122	5	7
Birth Trauma (767)	6	—	—	1	2	3	—
Intrauterine Hypoxia and Birth Asphyxia (768)	33	20	3	2	6	2	—
Respiratory Distress Syndrome (769)	167	69	8	9	64	12	5
Respiratory Conditions of Newborn (770)	123	40	7	9	47	11	9
Neonatal Hemorrhage (772)	33	13	4	2	10	2	2
Other conditions originating in the perinatal period (Rest of 760-779)	358	152	27	24	109	23	23
Sudden Infant Death Syndrome (SIDS) (798.0)	90	1	3	56	—	—	30
Injuries (E800-E999)	53	8	1	19	7	—	18
All other causes	218	20	17	85	14	11	71

Table 32. Live Births, Infant and Maternal Mortality by Mother's Ethnic Group, New York City, 1979-1988

Mother's Ethnic Group*	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
Live Births, Total	106,021	107,066	108,547	111,487	112,353	113,332	118,542	122,808	127,386	132,226
Puerto Rican	18,169	17,838	18,104	18,289	18,014	17,887	17,961	18,138	18,625	18,822
Other Hispanic	11,484	11,644	12,392	13,704	14,463	15,228	15,758	16,689	19,372	20,145
Asian	8,416	8,327	8,429	8,749	8,947	9,127	9,553	9,894	10,926	11,597
Other White	35,286	35,548	35,516	35,653	35,788	35,405	36,825	37,465	37,558	38,992
Other Black	32,238	32,809	33,429	34,644	34,749	35,212	37,616	39,064	40,020	41,356
All Other & Unknown	428	900	677	448	392	473	829	858	885	1,314
Infant Deaths (Under 1 Year) Total	1,767	1,719	1,678	1,706	1,603	1,540	1,591	1,566	1,673	1,770
Puerto Rican	290	280	265	296	244	263	226	240	240	241
Other Hispanic	147	139	133	154	141	133	139	156	182	186
Asian	85	93	80	74	75	76	76	63	65	79
Other White	497	466	439	409	388	363	368	323	350	353
Other Black	739	726	747	762	742	680	758	751	802	891
All Other & Unknown	9	15	14	11	13	25	24	33	34	20
Infant Mortality Rate (1) Total	16.7	16.1	15.5	15.3	14.3	13.6	13.4	12.8	13.1	13.4
Puerto Rican	16.0	15.7	14.6	16.2	13.5	14.7	12.6	13.2	12.9	12.8
Other Hispanic	12.8	11.9	10.7	11.2	9.7	8.7	8.8	9.3	9.4	9.2
Asian	10.1	11.2	9.5	8.5	8.4	8.3	8.0	6.4	5.9	6.8
Other White	14.1	13.1	12.4	11.5	10.8	10.3	10.0	8.6	9.3	9.1
Other Black	22.9	22.1	22.3	22.0	21.4	19.3	20.2	19.2	20.0	21.5
Neonatal Deaths (Under 28 Days)										
Total	1,257	1,203	1,144	1,173	1,070	1,014	1,082	1,078	1,139	1,232
Puerto Rican	190	187	169	198	166	165	141	157	157	159
Other Hispanic	109	103	88	110	102	97	100	117	134	133
Asian	65	64	58	52	47	53	45	47	42	59
Other White	368	339	318	301	274	267	268	254	251	264
Other Black	518	503	503	506	471	414	513	481	535	602
All Other & Unknown	7	7	8	6	30	18	15	22	20	15
Neonatal Mortality Rate (1) Total	11.9	11.2	10.5	10.5	9.5	8.9	9.1	8.8	8.9	9.3
Puerto Rican	10.5	10.5	9.3	10.8	9.2	9.2	7.9	8.7	8.4	8.4
Other Hispanic	9.5	8.8	7.1	8.0	7.1	6.4	6.3	7.0	6.9	6.6
Asian	7.7	7.7	6.9	5.9	5.3	5.8	4.7	4.8	3.8	5.1
Other White	10.4	9.5	9.0	8.4	7.7	7.5	7.3	6.8	6.7	6.8
Other Black	16.1	15.3	15.0	14.6	13.6	11.8	13.6	12.3	13.4	14.6
Maternal Deaths, Total	27	41	33	37	44	21	30	29	28	26
Puerto Rican	4	9	3	5	3	1	1	4	2	2
Other Hispanic	1	0	4	6	8	3	6	0	4	6
Asian	0	1	1	1	1	0	1	2	6	1
Other White	5	7	6	8	7	4	3	6	3	2
Other Black	17	24	19	16	24	13	15	14	8	15
All Other & Unknown	0	0	0	1	1	0	4	3	5	—
Maternal Mortality Rate (2) Total	2.5	3.8	3.0	3.3	3.9	1.9	2.5	2.4	2.2	2.0
Puerto Rican	2.2	5.0	1.7	2.7	1.7	0.6	0.6	2.2	1.1	1.1
Other Hispanic	0.9	—	3.2	4.4	5.5	2.0	3.8	—	2.1	3.0
Asian	—	1.2	1.2	1.1	1.1	—	1.0	2.0	5.5	0.9
Other White	1.4	2.0	1.7	2.2	2.0	1.1	0.8	1.6	0.8	0.5
Other Black	5.3	7.3	5.7	4.6	6.9	3.7	4.0	3.6	2.0	3.6

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

(1) Rate per 1,000 live births.

(2) Rate per 10,000 live births.

TECHNICAL NOTES

All data presented (with the exception of census figures) 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.

The revision of certificates for 1988 replaced the term descent or origin with ancestry, to conform to census usage.

Ethnic and race data are drawn from three certificate items: race, ancestry and birthplace. Ancestry and race, either alone or in combination, are the more commonly used ethnic descriptors. Teenaged mothers include all under age 20.

Post-neonatal mortality, which refers to deaths from 28 days to under one year of age, can be obtained by subtraction in those tables which give both infant and neonatal mortality. For example, in Table 24, the total New York City infant mortality is 1,770 deaths, a rate of 13.4 and the neonatal mortality is 1,232 deaths, a rate of 9.3. By subtraction, the post-neonatal mortality is found to be 538 deaths, with a rate of 4.1.

Trauma deaths include homicide, suicide, accident and injury undetermined whether accidentally or purposely inflicted. There were 727 trauma deaths classified as injury undetermined. This means that by the close of the year, such deaths were not definitely classified as homicide, suicide, or accident. Therefore, when analyzing trauma deaths the undetermined injury group should always be considered.

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 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 AIDS registry cases aged 13 and over who died, 82% had death certificates coded 279.1. Some other causes were pneumocystis pneumonia (136.3), bronchopneumonia, organism unspecified (485) and pneumonia, organism unspecified (486).

Geographic allocation of deaths is based on usual residence as reported on the death certificate, except for residents of institutions. These decedents are assigned to the category Residents of Institutions (Table 5). A decline from 1,299 in 1987 to 1,002 in 1988 for this group is due to technical difficulties in the assignment procedure.

The following changes for existing ICD codes were instituted in 1988:

NEW LABEL

Meningococcal infection
Respiratory tuberculosis
Nephritis, nephrosis, etc.
Cerebrovascular disease
Complications of pregnancy,
childbirth and the puerperium

OLD LABEL

Meningococcal meningitis
Tuberculosis of respir. sys.
Nephritis
Vascular lesions
Puerperal diseases

ICD CODE

036
010-012
580-589
430-438
630-676

Table 33.

Cases of Reportable Diseases, New York City, 1940-1988

Year	Pulmonary Tuberculosis	Measles	Scarlet Fever	Chickenpox	Whooping Cough	Meningococcal Meningitis	Polio	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		274	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	40,859	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	2,733	54	88	0	5,657	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†	4,542	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

*1972-1976 figures corrected to remove duplicates. The increase in the number of reported cases of gonorrhea since 1985 is primarily due to improved surveillance.

**Hepatitis made reportable December 1945.

†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, 1980-1988

Sex/Risk Group	1980	1981	1982	1983	1984	1985	1986	1987	1988
Male									
Sex with Men	19	87	258	564	1,016	1,478	2,117	2,279	2,298
Intravenous Drug User	6	15	123	265	465	809	1,208	1,576	1,973
Transfusion/Hemophilia	0	0	0	2	10	15	28	34	30
Other	0	2	17	34	68	70	128	197	278
Total	25	104	398	865	1,559	2,372	3,481	4,086	4,579
Female									
Intravenous Drug User	0	6	18	62	102	169	276	428	548
Male Sex Partner	0	1	8	15	30	66	105	186	216
Transfusion/Hemophilia	0	0	0	4	7	5	15	19	12
Other	0	0	5	15	18	31	52	83	94
Total	0	7	31	96	157	271	448	716	870

*Includes only those aged 13 years and over; figures are updated from previous report to include late reports and exclude duplicates.

HIGHLIGHTS

General Trends

The number of live births increased for the ninth consecutive year; the infant mortality rate rose for the second consecutive year, increasing to 13.4 per 1,000 live births. The total mortality rate increased to 11.0 deaths per 1,000 population (Table 1). Deaths from AIDS rose by 580, or 18% (Table 12). Tuberculosis deaths increased from 219 in 1987 to 246 in 1988 (Table 3).

Mortality

Deaths due to external causes increased 9.9%, from 4,282 to 4,704. Accidents increased from 1,299 to 1,477; the increase of 118 in home accidents is due largely to a correction in coding accidental falls among the elderly. The increases in suicides, 55, and homicides, 252, are partly offset by the decline in deaths due to injury undetermined whether accidentally or purposely inflicted. Deaths due to alcohol dependence syndrome increased 63.9%, from 205, to 336. Drug dependence deaths increased 26.4%, from 956 to 1,208.

AIDS

Mortality data for AIDS are shown in Tables 3-5, 12 and 13. AIDS was the third leading cause of death in the City, advancing from fourth in 1987 (Table 4). For the fourth consecutive year, AIDS was the leading cause of death among males in the 25-34 and 35-44 year age groups. For the third year, AIDS was the leading cause of death among females aged 25-34 years. Table 12 shows AIDS deaths by sex, age and ethnic group from 1983 to 1988. The mutually exclusive ethnic categories are Puerto Rican, other Hispanic, Asian, other white, other black, all others and unknown. The rate of increase has slowed among other white males and has remained high among other black and hispanic males. The ratio of male to female AIDS deaths has been declining from 8:1 in 1983 to less than 5:1 in 1988. Among other blacks, in 1988 the ratio was 3:1 compared to 11:1 among other whites. Male AIDS deaths are concentrated in the 35-44 year age group, with 42.1% in 1988, while among female deaths the concentration is in the 25-34 year age group, with 44.1% in 1988.

The annual incidence of AIDS by risk group is shown in Table 34.

Nativity

Live births increased by 3.8%, from 127,386 in 1987 to 132,226 in 1988. There was a 21% increase in births to women aged 40 and over. First births in this age group increased by 42%. The percentage of infants with birth weights below 2,000 grams varied among ethnic groups (Table 23). Asian mothers had the lowest percentage (1.7%) of such births and other black mothers had the highest (6.6%).

Three maternal factors known to be associated with poor birth outcomes are: age under 20 years, no prenatal care in first six months of pregnancy and out-of-wedlock birth. Table 28 presents, for each Health Center District of residence, the percent of mothers with none or with one, two or all three of these risk factors. City-wide, almost half (48.9%) of live births had none of these risk factors, while 3.0% had all three. There was wide variation by district, with Kips Bay having 79.6% of its births free of all three risk factors compared to Central Harlem with only 12.1% such births.

Teenaged Pregnancy

Tables 20-22 and 25-27 include information on teenaged pregnancies. In 1988, 13,714 or 10.4% of live births were to teenaged mothers. Among teenaged births, 5,441 or 39.7% were to mothers under 18 (Table 22). Characteristics of births to teenaged mothers and infant mortality by Health Center District of residence are shown in Table 26.

Infant Mortality

Data on deaths under one year of age are presented in Tables 1, 4, 12, 24, 26, 29 and 30-32. The infant mortality rate rose from 13.1 per 1,000 live births in 1987 to 13.4 in 1988. Table 24 shows the infant mortality by Health Center District of residence. The Health Center Districts with infant mortality rates 20.0 per 1,000 live births or higher are: Fort Greene, Red Hook-Gowanus, Central Harlem, Bedford and Brownsville.

Infant mortality by maternal ethnic group is shown in Table 32. The maternal ethnic group is based on ancestry and race information obtained from the matched birth certificate. In the absence of a matched birth certificate, the death certificate of the infant is used to determine maternal ethnic group. Over the ten-year period (1979-1988) there has been a 19.8% decline in the infant mortality rate. Each ethnic group experienced a decline. The other white group showed the greatest decline (35.5%) to a rate of 9.1 per 1,000 live births in 1988. The smallest decline occurred in the other black group (6.1%).

ERRATA

Page 3, Table 3. Deaths by Cause and Borough....

Number 14, Hypertensive Disease includes only ICD codes 401, 403, 405.

Page 7, Table 7. Deaths by Ancestry and Borough of Residence.

Total Manhattan deaths should be 15,368, not 15,360.

Total Bronx deaths should be 12,518, not 2,518.

Page 14, Table 18. Live Births... Induced Terminations...

By Boroughs of ...Occurrence.

Total Induced Terminations for Queens should be 18,629, not 629.

Page 16, Table 22. Selected Characteristics... by Age of Mother.

For Mothers under 15 years, Attendant: Physician should be 298, not 29.

Page 19, Table 26. Live Births to Teenagers... and Infant Deaths
by Health Center District....

Infant deaths for Maspeth-Forest Hills should be -, not 116.