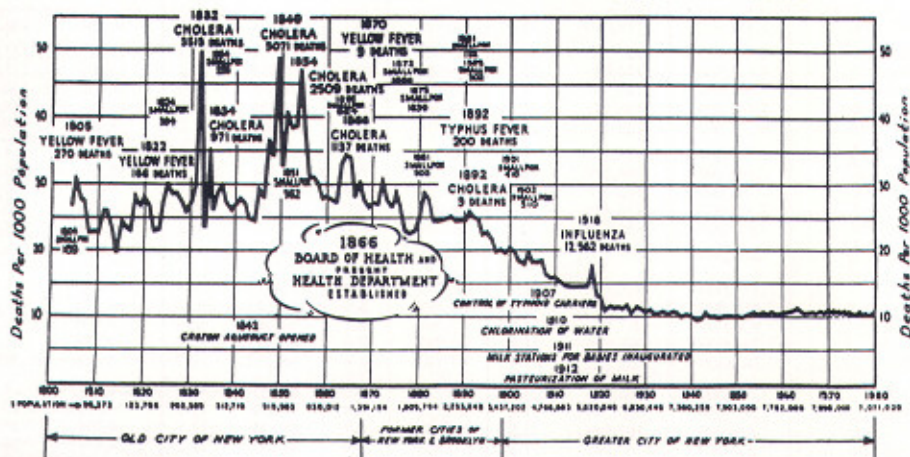


SUMMARY OF VITAL STATISTICS 1987

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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Department of Health, The City of New York
 Bureau of Health Statistics and Analysis
 125 Worth Street, New York, New York 10013

Table 1. Population, Births, Marriages, Deaths and Infant Mortality, New York City, 1898-1987
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

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 1987 by Age, Color and Sex
New York City**

AGE IN YEARS	1980 POPULATION BY AGE, COLOR AND SEX					DEATHS IN 1987 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	76,448	26,988	25,921	10,320	8,339	3,079	1,801
Under 5	470,694	145,694	139,026	93,632	92,342	1,897	415	334	443	361	198	146
5-9	447,327	139,274	132,388	88,532	87,133	126	39	33	32	17	1	4
10-14	506,283	156,269	150,495	99,639	99,880	121	33	29	27	13	14	5
15-19	563,492	173,239	173,646	105,921	110,686	410	112	59	150	43	30	16
20-24	603,893	196,109	215,343	85,329	106,612	986	329	112	307	107	102	29
25-29	631,050	214,912	227,057	84,030	105,051	1,600	606	203	443	146	142	60
30-34	572,117	190,654	200,661	80,365	100,437	2,375	868	239	638	318	228	84
35-39	450,735	142,784	153,181	67,605	87,165	2,779	1,036	286	777	328	266	86
40-44	382,820	119,731	130,642	59,308	73,139	2,419	912	285	668	291	202	61
45-49	360,104	117,227	131,845	49,145	61,887	2,528	905	367	632	366	198	60
50-54	392,990	132,323	154,581	45,463	60,623	3,006	991	625	650	471	200	69
55-59	393,169	134,444	163,317	41,077	54,331	4,184	1,629	952	801	538	188	76
60-64	345,233	119,223	151,891	30,527	43,592	5,711	2,179	1,445	921	808	244	114
65-69	316,596	107,135	149,764	23,393	36,304	7,205	2,791	2,064	1,049	875	276	150
70-74	253,923	83,706	129,534	15,565	25,118	8,227	3,286	2,802	866	895	234	144
75-79	189,629	59,217	103,392	9,856	17,164	9,213	3,513	3,666	764	863	208	199
80-84	114,252	34,310	66,231	4,803	8,908	9,459	3,331	4,382	568	797	177	204
85 & over	77,332	21,738	46,211	2,959	6,424	14,202	4,013	8,038	584	1,102	171	294

Table 3. Deaths by Cause and Borough of Residence and Comparability Ratios New York City, 1987

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	76,448	15,173	11,619	21,891	18,069	3,073	1,299	4,735	588	
1. Total tuberculosis (010-018)	219	59	34	79	22	1	7	11	6	0.77
Respiratory tuberculosis (010-012)	154	40	21	59	12	1	7	8	6	0.84
Other forms (013-018)	65	19	13	20	10	—	—	3	—	0.51
2. Septicemia (038)	968	273	153	275	155	44	14	48	6	0.85
3. Acquired immunodeficiency syndrome (042)	3,159	1,137	530	787	391	57	31	179	47	—
4. Other HIV infections (043-044)	33	8	4	9	12	—	—	—	—	—
5. Viral hepatitis (070)	29	8	5	8	4	1	—	2	1	1.40
6. Pneumocystosis (136.3)	84	27	14	21	17	1	—	4	—	—
7. Other infective and parasitic diseases (Rest of 001-139)	202	40	38	63	35	6	1	19	—	1.03
8. Malignant neoplasms, all (140-208)	15,822	3,106	2,135	4,295	3,873	717	94	1,572	30	1.00
Lip, oral cavity, and pharynx (140-149)	283	66	46	69	56	14	2	30	—	1.01
Digestive organs and peritoneum (150-159)	4,507	842	648	1,308	1,127	177	35	365	5	1.03
Stomach (151)	646	126	98	202	157	15	1	46	1	—
Colon (153)	1,785	318	252	515	456	78	21	144	1	—
Rectum (154)	270	60	28	67	72	14	3	25	1	—
Liver, bile ducts, gallbladder (155-156)	548	95	82	172	138	22	3	36	—	—
Pancreas (157)	823	146	119	224	215	34	7	80	—	—
Respiratory system (160-165)	3,809	771	529	1,006	954	204	20	314	11	1.00
Trachea, bronchus and lung (162)	3,579	717	490	954	906	192	17	293	10	—
Kaposi's sarcoma (173.9)	35	12	—	12	9	—	—	2	—	—
Breast and genito-urinary organs (174, 179-189)	3,766	756	474	1,030	949	171	21	358	7	—
Breast, female (174)	1,499	308	174	389	396	75	30	144	3	1.01
Cervix uteri (180)	142	30	25	54	18	4	—	11	—	1.01
Ovary and other urinary adnexa (183)	415	88	44	97	121	13	3	49	—	1.01
Prostate (185)	847	190	116	240	200	33	3	62	3	1.01
Bladder and other urinary organs (188-189)	609	98	81	173	141	35	4	76	1	0.99
Other and unspecified sites (170-173, 175, 190-199)	1,977	401	242	534	441	102	8	244	5	0.96
Lymphatic and hematopoietic tissues (200-208)	1,445	258	196	336	337	49	8	259	2	0.96
Leukemia and leukemia (204-208)	540	85	65	136	108	16	3	126	1	1.01
Benign and unspecified neoplasms (210-239)	262	57	40	56	67	5	5	32	—	1.21
Diabetes mellitus (250)	1,532	249	226	464	246	65	24	52	6	1.00
Alcohol dependence syndrome (303)	205	56	32	80	22	2	2	5	6	—
Drug dependence (304)	956	211	198	320	110	9	14	62	32	—
Diseases of the nervous system (320-389)	721	171	105	194	161	24	17	46	3	—
13. Total cardiovascular diseases (390-459)	33,967	5,973	5,101	9,754	9,011	1,502	811	1,662	153	1.01
Cerebrovascular disease (430-438)	2,946	617	437	829	727	132	51	139	14	1.00
Diseases of the heart (393-398, 402, 404-429)	29,284	5,039	4,459	8,488	7,703	1,305	734	1,428	128	1.01
Chronic rheumatic heart disease (393-398)	164	32	22	35	40	17	—	18	—	0.66
Ischemic heart disease (410-414)	23,275	3,597	3,578	6,712	6,526	1,024	629	1,118	91	0.88
Other forms of heart disease (420-429)	3,064	1,239	722	1,534	935	247	93	260	34	2.50
Hypertensive disease (401-405)	643	139	803	198	151	17	11	23	1	2.06
Atherosclerosis (440)	704	106	75	142	331	16	14	15	5	1.06
15. Pneumonia and influenza (480-487)	3,175	642	489	947	687	161	98	132	19	0.93
16. Chronic obstructive pulmonary diseases, all (490-496)	1,590	312	247	480	378	78	26	60	9	1.88
Bronchitis, emphysema, asthma (490-493)	480	106	91	139	806	11	9	16	2	1.00
Ulcer of stomach and duodenum (531-533)	262	39	39	75	84	9	—	10	6	1.12
17. Appendicitis (540-543)	22	4	3	6	7	—	1	1	—	1.01
18. Intestinal obstruction and hernia (550-553, 560)	149	30	26	49	31	6	2	4	1	0.94
19. Chronic liver disease and cirrhosis (571)	1,432	343	253	389	311	32	19	47	38	1.01
20. Nephritis, nephrotic syndrome and nephrosis (580-589)	791	187	117	240	157	35	9	41	5	0.50
21. Hyperplasia of prostate (600)	17	2	3	7	5	—	—	—	—	1.02
22. Complications of pregnancy, childbirth and the puerperium (630-676)	28	6	3	9	5	1	—	4	—	1.10
23. Congenital anomalies (740-759)	415	58	55	144	79	9	—	68	2	1.00
24. Certain conditions originating in the perinatal period (760-779)	965	145	180	348	176	32	2	78	4	1.08
25. Ill-defined (780-799)	1,262	275	241	366	223	38	24	68	27	0.91
26. All other diseases	4,099	933	633	1,168	894	143	50	250	28	0.78
27. Total accidents (E800-E949)	1,299	204	161	352	398	41	10	102	31	1.00
Motor vehicle accidents (E810-E825)	622	75	72	169	191	21	5	69	20	1.01
Home accidents	485	804	57	133	159	12	2	14	4	0.99
28. Suicide and self-inflicted injuries (E950-E959)	502	136	67	127	128	30	4	24	6	1.00
29. Homicide (E960-E975, E990-E999)	1,691	309	346	587	257	26	22	90	54	1.01
30. Injury undetermined whether accidentally or purposely inflicted (E980-E989)	790	173	141	192	123	18	12	62	69	0.97

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.

Figure 1.

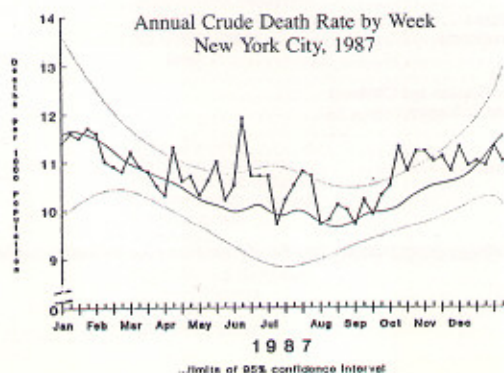


Table 4.

Chief Causes of Death in Specified Age Groups by Sex*
New York City, 1987

Males		ALL AGES	Females	
Deaths	Percent		Deaths	Percent
13,911	34.4	Heart Diseases	15,373	42.6
8,046	19.9	Malignant Neoplasms	7,776	21.6
1,574	3.9	Pneumonia and Influenza	1,601	4.4
2,651	6.6	Acquired Immunodeficiency Syndrome (AIDS)	508	1.4
1,236	3.1	Cerebrovascular Diseases	1,710	4.7
1,402	3.5	Homicide	289	0.8
885	2.2	Chronic Obstructive Pulmonary Diseases (COPD)	705	2.0
1,047	2.6	Chronic Liver Disease and Cirrhosis	385	1.1
568	1.4	Diabetes Mellitus	764	2.1
852	2.1	Accidents	447	1.2
8,215	20.3	All Other Causes	6,503	18.0
40,387	100.0	Total	36,061	100.0
UNDER ONE YEAR				
180	19.2	Respiratory Conditions of Newborn	137	18.6
170	18.1	Congenital Anomalies	132	18.0
162	17.3	Immaturity	115	15.6
91	9.7	Respiratory Distress Syndrome	72	9.8
58	6.2	Sudden Infant Death Syndrome (SIDS)	52	7.1
21	2.2	Neonatal Hemorrhage	16	2.2
16	1.7	Acquired Immunodeficiency Syndrome (AIDS)	20	2.7
17	1.8	Other Conditions of Perinatal Period	14	1.9
16	1.7	Asphyxia	13	1.8
11	1.2	Pneumonia and Influenza	15	2.0
196	20.9	All Other Causes	149	20.3
938	100.0	Total	735	100.0
1 TO 14 YEARS				
52	19.7	Accidents	31	15.0
43	16.3	Malignant Neoplasms	31	15.0
26	9.8	Acquired Immunodeficiency Syndrome (AIDS)	26	12.6
30	11.4	Congenital Anomalies	18	8.7
17	6.4	Homicide	16	7.7
7	2.7	Diseases of Nervous System	16	7.7
8	3.0	Pneumonia and Influenza	10	4.8
8	3.0	Heart Diseases	6	2.9
5	1.9	Other Infective & Parasitic Diseases	3	1.4
3	1.1	Benign and Unspecified Neoplasms	2	1.0
65	24.6	All Other Causes	48	23.2
264	100.0	Total	207	100.0
15 TO 24 YEARS				
469	45.5	Homicide	80	21.9
128	12.4	Accidents	38	10.4
59	5.7	Malignant Neoplasms	41	11.2
64	6.2	Acquired Immunodeficiency Syndrome (AIDS)	16	4.4
52	5.0	Suicide	11	3.0
35	3.4	Drug Dependence	11	3.0
16	1.6	Heart Diseases	22	6.0
13	1.3	Pneumonia and Influenza	20	5.5
10	1.0	Chronic Obstructive Pulmonary Diseases (COPD)	10	2.7
11	1.1	Diseases of Nervous System	7	1.9
173	16.8	All Other Causes	110	30.1
1,030	100.0	Total	366	100.0
25 TO 34 YEARS				
866	29.6	Acquired Immunodeficiency Syndrome (AIDS)	245	23.3
436	14.9	Homicide	88	8.4
269	9.2	Drug Dependence	109	10.4
130	4.4	Malignant Neoplasms	112	10.7
144	4.9	Accidents	39	3.7
115	3.9	Heart Diseases	52	5.0
112	3.8	Chronic Liver Disease and Cirrhosis	29	2.8
89	3.0	Pneumonia and Influenza	42	4.0
86	2.9	Suicide	26	2.5
34	1.2	Tuberculosis	13	1.2
644	22.0	All Other Causes	295	28.1
2,925	100.0	Total	1,050	100.0

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

Males

Females

Males		35 TO 44 YEARS		Females	
Deaths	Percent			Deaths	Percent
1,058	27.4	Acquired Immunodeficiency Syndrome (AIDS)	147	11.0	
280	7.3	Malignant Neoplasms	322	24.1	
382	9.9	Heart Diseases	132	9.9	
352	9.1	Drug Dependence	67	5.0	
300	7.8	Chronic Liver Disease and Cirrhosis	97	7.3	
245	6.3	Homicide	44	3.3	
129	3.3	Pneumonia and Influenza	45	3.4	
97	2.5	Cerebrovascular Diseases	54	4.0	
112	2.9	Accidents	29	2.2	
66	1.7	Suicide	24	1.8	
840	21.8	All Other Causes	376	28.1	
3,861	100.0	Total	1,337	100.0	
45 TO 54 YEARS					
700	19.6	Malignant Neoplasms	767	39.2	
927	25.9	Heart Diseases	414	21.1	
430	12.0	Acquired Immunodeficiency Syndrome (AIDS)	37	1.9	
233	6.5	Chronic Liver Disease and Cirrhosis	64	3.3	
139	3.9	Cerebrovascular Diseases	94	4.8	
113	3.2	Pneumonia and Influenza	38	1.9	
121	3.4	Homicide	21	1.1	
67	1.9	Diabetes Mellitus	66	3.4	
92	2.6	Accidents	31	1.6	
55	1.5	Chronic Obstructive Pulmonary Diseases (COPD)	51	2.6	
699	19.5	All Other Causes	375	19.2	
3,576	100.0	Total	1,958	100.0	
55 TO 64 YEARS					
2,220	37.2	Heart Diseases	1,214	30.9	
1,763	29.6	Malignant Neoplasms	1,514	38.5	
212	3.6	Cerebrovascular Diseases	151	3.8	
237	4.0	Chronic Liver Disease and Cirrhosis	71	1.8	
122	2.0	Diabetes Mellitus	134	3.4	
129	2.2	Chronic Obstructive Pulmonary Diseases (COPD)	110	2.8	
144	2.4	Pneumonia and Influenza	86	2.2	
165	2.8	Acquired Immunodeficiency Syndrome (AIDS)	14	0.4	
49	0.8	Septicemia	61	1.6	
78	1.3	Accidents	29	0.7	
843	14.1	All Other Causes	549	14.0	
5,962	100.0	Total	3,933	100.0	
65 TO 74 YEARS					
3,626	42.6	Heart Diseases	2,786	40.2	
2,449	28.8	Malignant Neoplasms	2,185	31.5	
256	3.0	Cerebrovascular Diseases	320	4.6	
252	3.0	Chronic Obstructive Pulmonary Diseases (COPD)	181	2.6	
235	2.8	Pneumonia and Influenza	193	2.8	
174	2.0	Diabetes Mellitus	198	2.9	
107	1.3	Septicemia	83	1.2	
96	1.1	Nephritis and Nephrosis	85	1.2	
101	1.2	Chronic Liver Disease and Cirrhosis	66	1.0	
91	1.1	Diseases of Nervous System	72	1.0	
1,115	13.1	All Other Causes	761	11.0	
8,502	100.0	Total	6,930	100.0	
75 TO 84 YEARS					
4,073	47.6	Heart Diseases	5,104	50.5	
1,965	23.0	Malignant Neoplasms	1,952	19.3	
336	3.9	Cerebrovascular Diseases	573	5.7	
424	5.0	Pneumonia and Influenza	453	4.5	
270	3.2	Chronic Obstructive Pulmonary Diseases (COPD)	190	1.9	
114	1.3	Diabetes Mellitus	219	2.2	
113	1.3	Septicemia	160	1.6	
95	1.1	Atherosclerosis	143	1.4	
94	1.1	Nephritis and Nephrosis	122	1.2	
104	1.2	Accidents	101	1.0	
973	11.4	All Other Causes	1,094	10.8	
8,561	100.0	Total	10,111	100.0	
85 AND OVER					
2,533	53.1	Heart Diseases	5,634	59.7	
657	13.8	Malignant Neoplasms	849	9.0	
408	8.6	Pneumonia and Influenza	699	7.4	
166	3.5	Cerebrovascular Diseases	482	5.1	
77	1.6	Atherosclerosis	163	1.7	
79	1.7	Septicemia	159	1.7	
122	2.6	Chronic Obstructive Pulmonary Diseases (COPD)	115	1.2	
73	1.5	Nephritis and Nephrosis	108	1.1	
47	1.0	Diabetes Mellitus	118	1.3	
61	1.3	Accidents	82	0.9	
545	11.4	All Other Causes	1,025	10.9	
4,768	100.0	Total	9,434	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		Cerebro- vascular Disease	
		No.	Rate (1)	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.
NEW YORK CITY	7,071,030	76,448	10.8	7.0	29,284	414.1	15,822	223.8	3,175	44.9	3,159	44.7	2,946	41.7
KNOWN RESIDENTS		69,825	†	†	26,994	†	14,126	†	2,926	†	2,902	†	2,742	†
MANHATTAN	1,427,533	15,173	10.6	6.6	5,039	353.0	3,106	217.6	642	45.0	1,137	79.6	617	43.2
Central Harlem	121,995	2,217	18.2	12.2	598	490.2	415	340.2	102	83.6	114	93.4	109	89.3
East Harlem	124,812	1,438	11.5	7.9	433	346.9	275	220.3	58	46.5	83	66.5	52	41.7
Kips Bay-Yorkville	231,749	2,001	8.6	4.6	787	339.6	501	216.2	73	31.5	91	39.3	66	28.5
Lower East Side	229,389	2,434	10.6	6.7	819	357.0	512	223.2	107	46.6	203	88.5	98	42.7
Lower West Side	271,294	2,940	10.8	6.2	958	353.1	603	223.3	119	43.9	407	150.0	110	40.5
Riverside	206,562	1,942	9.4	6.3	675	326.8	366	177.2	108	52.3	153	74.1	78	37.8
Washington Heights	241,732	2,201	9.1	6.2	769	318.1	434	179.5	75	31.0	86	35.6	104	43.0
BRONX	1,169,115	11,619	9.9	6.8	4,459	381.4	2,135	182.6	489	41.8	530	45.3	437	37.4
Fordham-Riverdale	234,781	2,522	10.7	6.0	1,084	461.7	507	215.9	102	43.4	78	33.2	98	41.7
Morrisania	134,388	1,390	10.3	8.8	441	328.2	209	155.5	67	49.9	104	77.4	54	40.2
Mott Haven	124,080	1,078	8.7	7.9	285	229.7	162	130.6	35	28.2	86	69.3	33	26.6
Pelham Bay	219,609	2,547	11.6	6.9	1,145	521.4	494	224.9	122	55.6	55	25.0	113	51.5
Tremont	172,959	1,261	7.3	8.0	346	200.0	163	94.2	60	34.7	117	67.6	39	22.5
Westchester	283,298	2,821	10.0	6.3	1,158	408.8	600	211.8	103	36.4	90	31.8	100	35.3
BROOKLYN	2,231,028	21,891	9.8	6.7	8,488	380.5	4,295	192.5	947	42.4	787	35.3	829	37.2
Bay Ridge	249,112	2,862	11.5	5.8	1,342	538.7	627	251.7	113	45.4	35	14.0	89	35.7
Bedford	208,653	2,121	10.2	8.4	607	290.9	407	195.1	75	35.9	105	50.3	112	53.7
Brownsville	271,217	2,419	8.9	7.1	810	298.7	441	162.6	103	38.0	112	41.3	95	35.0
Bushwick	166,609	1,424	8.5	8.2	419	251.5	216	129.6	63	37.8	81	48.6	55	33.0
Flatbush	479,533	4,147	8.6	5.9	1,677	349.7	891	185.8	180	37.5	107	22.3	147	30.7
Fort Greene	146,739	1,569	10.7	8.9	459	312.8	257	175.1	82	55.9	134	91.3	69	47.0
Gravesend	287,940	3,664	12.7	5.9	1,724	598.7	771	267.8	182	63.2	46	16.0	126	43.8
Red Hook-Gowanus	114,345	997	8.7	7.0	376	328.8	177	154.8	36	31.5	78	68.2	36	31.5
Sunset Park	164,477	1,413	8.6	6.2	600	364.8	263	159.9	64	38.9	33	20.1	45	27.4
Williamsburg-Greenpoint	142,403	1,275	9.0	6.9	474	332.9	245	172.0	49	34.4	56	39.3	55	38.6
QUEENS	1,891,325	18,069	9.6	5.6	7,703	407.3	3,873	204.8	687	36.3	391	20.7	727	38.4
Astoria	238,858	2,252	9.4	5.7	930	389.4	506	211.8	92	38.5	44	18.4	93	38.9
Corona	263,235	2,217	8.4	5.3	905	343.8	454	172.5	93	35.3	66	25.1	94	35.7
Flushing	442,164	3,862	8.7	4.8	1,782	403.0	894	202.2	154	34.8	36	8.1	161	36.4
Jamaica East	322,261	2,907	5.0	6.2	1,035	321.2	566	175.6	119	36.9	128	39.7	116	36.0
Jamaica West	348,656	3,740	10.7	6.5	1,686	483.6	690	197.9	152	43.6	79	22.7	128	36.7
Maspeth-Forest Hills	276,151	3,091	11.2	5.3	1,365	494.3	763	276.3	77	27.9	38	13.8	135	48.9
RICHMOND	352,029	3,073	8.7	6.0	1,305	370.7	717	203.7	161	45.7	57	16.2	132	37.5
RESIDENTS OF INSTITUTIONS	—	1,299	—	—	734	—	94	—	98	—	31	—	51	—
NON-RESIDENTS	—	4,735	—	—	1,428	—	1,572	—	132	—	179	—	139	—
RESIDENCE UNKNOWN	—	589	—	—	128	—	30	—	19	—	47	—	14	—

(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, 1987

Borough of Residence	Total	Borough of Occurrence				
		Manhattan	Bronx	Brooklyn	Queens	Richmond
Manhattan	15,173	14,105	768	137	136	27
Bronx	11,619	1,167	10,286	57	98	11
Brooklyn	21,891	1,857	209	19,062	545	218
Queens	18,069	1,845	514	894	14,779	37
Richmond	3,073	152	13	63	12	2,833
Resident of Institution	1,299	308	404	293	218	76
Non-Resident of City	4,735	2,258	931	306	1,144	96
Residence Unknown	589	289	164	61	61	14
Total	76,448	21,981	13,289	20,873	16,993	3,312

By Health Center District of Residence, New York City, 1987

Chronic Obstructive Pulmonary Diseases (COPD)		Chronic Liver Disease & Cirrhosis		Diabetes		Drug Dependence		Accident		Suicide		Homicide		Injury Undetermined	
No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
1,590	22.5	1,432	20.3	1,332	18.8	956	13.5	1,299	18.4	502	7.1	1,691	23.9	790	11.2
1,495	†	1,328	†	1,250	†	848	†	1,156	†	468	†	1,525	†	647	†
312	21.9	343	24.0	249	17.4	211	14.8	204	14.3	136	9.5	309	21.6	173	12.1
41	33.6	70	57.4	51	41.8	65	53.3	25	20.5	10	8.2	80	65.6	21	17.2
30	24.0	43	34.5	30	24.0	28	22.4	23	18.4	12	9.6	40	32.0	31	24.8
47	20.3	29	12.5	27	11.7	6	2.6	20	8.6	28	12.1	11	4.7	19	8.2
48	20.9	56	24.4	40	17.4	42	18.3	26	11.3	28	12.2	37	16.1	21	9.2
60	22.1	54	19.9	34	12.5	28	10.3	44	16.2	31	11.4	26	9.6	31	11.4
36	17.4	39	18.9	30	14.5	21	10.2	26	12.6	15	7.3	24	11.6	26	12.6
50	20.7	52	21.5	37	15.3	21	8.7	40	16.5	12	5.0	91	37.6	24	9.9
247	21.1	253	21.6	226	19.3	198	16.9	161	13.8	67	5.7	346	29.6	141	12.1
55	23.4	37	15.8	36	15.3	32	13.6	47	20.0	20	8.5	50	21.3	22	9.4
25	18.6	50	37.2	39	29.0	37	27.5	14	10.4	10	7.4	57	42.4	23	17.1
30	24.2	40	32.2	23	18.5	45	36.3	15	12.1	5	4.0	65	52.4	22	17.7
44	20.0	30	13.7	45	20.5	16	7.3	25	11.4	9	4.1	42	19.1	27	12.3
23	13.3	42	24.3	22	12.7	41	23.7	24	13.9	11	6.4	93	53.8	21	12.1
70	24.7	54	19.1	61	21.5	27	9.5	36	12.7	12	4.2	39	13.8	26	9.2
480	21.5	389	17.4	464	20.8	320	14.3	352	15.8	127	5.7	587	26.3	192	8.6
83	33.3	26	10.4	46	18.5	17	6.8	42	16.9	23	9.2	31	12.4	10	4.0
36	17.3	41	19.6	62	29.7	61	29.2	33	15.8	8	3.8	122	58.5	22	10.5
70	25.8	37	13.6	67	24.7	54	19.9	47	17.3	8	2.9	96	35.4	20	7.4
31	18.6	53	31.8	38	22.8	43	25.8	23	13.8	13	7.8	75	45.0	24	14.4
77	16.1	54	11.3	71	14.8	27	5.6	62	12.9	19	4.0	99	20.6	45	9.4
30	20.4	48	32.7	37	25.2	33	22.5	18	12.3	3	2.0	67	45.7	15	10.2
56	19.4	45	15.6	65	22.6	22	7.6	52	18.1	21	7.3	29	10.1	25	8.7
20	17.5	29	25.4	26	22.7	21	18.4	25	21.9	10	8.7	19	16.6	10	8.7
44	26.8	24	14.6	18	10.9	21	12.8	28	17.0	9	5.5	20	12.2	8	4.9
33	23.2	32	22.5	34	23.9	21	14.7	22	15.4	13	9.1	29	20.4	13	9.1
378	20.0	311	16.4	246	13.0	110	5.8	398	21.0	128	6.8	257	13.6	123	6.5
67	28.1	39	16.3	22	9.2	14	5.9	56	23.4	17	7.1	23	9.6	16	6.7
45	17.1	47	17.9	16	6.1	11	4.2	59	22.4	21	8.0	39	14.8	18	6.8
70	15.8	39	8.8	50	11.3	13	2.9	77	17.4	28	6.3	31	7.0	13	2.9
41	12.7	76	23.6	58	18.0	28	8.7	66	20.5	13	4.0	103	32.0	31	9.6
90	25.8	69	19.8	56	16.1	26	7.5	88	25.2	28	8.0	45	12.9	30	8.6
65	23.5	41	14.8	44	15.9	18	6.5	52	18.8	21	7.6	16	5.8	15	5.4
78	22.2	32	9.1	65	18.5	9	2.6	41	11.6	10	2.8	26	7.4	18	5.1
26	—	19	—	24	—	14	—	10	—	4	—	22	—	12	—
60	—	47	—	52	—	62	—	102	—	24	—	90	—	62	—
9	—	38	—	6	—	32	—	31	—	6	—	54	—	69	—

Table 7. Deaths by Descent or Origin and Borough of Residence, New York City, 1987

Descent or Origin	Total	Borough of Residence					Residents of Institutions	Non-Residents of City	Residence Unknown
		Manhattan	Bronx	Brooklyn	Queens	Richmond			
Puerto Rican	4,716	1,163	1,758	1,347	284	41	32	80	11
Dominican	537	264	121	71	67	2	2	10	—
Colombian	167	13	6	13	113	2	2	16	2
Ecuadorian	116	22	16	24	45	2	—	6	1
Mexican	58	19	9	12	13	—	—	5	—
Cuban	461	176	67	54	132	4	1	26	1
Other Hispanic	1,334	344	289	311	266	21	16	57	30
American	18,985	3,892	1,913	4,799	4,948	1,192	273	1,937	31
Haitian	371	34	9	217	97	—	1	12	1
Guyanese	163	2	19	84	52	2	—	4	—
Jamaican	214	28	47	85	38	—	3	13	—
Other North, Central and South American	1,095	135	133	551	194	17	14	48	3
European	21,256	2,618	2,718	6,417	6,696	1,238	478	1,077	14
Chinese	823	378	19	169	204	23	4	25	1
Indian	117	9	8	20	55	5	1	19	—
Korean	97	8	5	9	64	2	1	8	—
Filipino	102	24	6	17	31	7	—	17	—
Other Asian	1,030	129	93	440	263	8	32	65	—
African	14,046	3,529	2,647	4,593	2,526	147	143	403	58
Not stated	10,760	2,386	1,736	2,658	1,981	360	296	907	436
Total	76,448	15,173	11,619	21,891	18,069	3,073	1,299	4,735	589

Table 8. Deaths from Accidents By Age, New York City, 1987

Type	All Ages	0-4	5-14	15-24	25-44	45-64	65-74	75 and over
Total	1,299	38	53	166	324	230	140	348
Work	20	—	—	2	7	9	2	—
Home	485	30	14	17	80	64	58	222
Poisoning	3	—	—	—	3	—	—	—
Falls	312	6	1	8	43	34	37	183
Fire and flames	115	15	9	8	24	20	17	22
Suffocation	28	6	2	1	4	8	3	4
Other home accidents	27	3	2	—	6	2	1	13
Motor Vehicle	624	6	31	133	182	116	70	86
Injury to pedestrian	313	5	19	37	57	70	55	70
Collision with other motor vehicle	166	1	4	46	66	28	11	10
Collision with fixed object	83	—	3	31	34	8	3	4
Non-collision	22	—	—	10	9	2	—	1
Other motor vehicle accidents	40	—	5	9	16	8	1	1
Public Non-Motor Vehicle	170	2	8	14	55	41	10	40
Railroad and subway	32	—	1	3	18	9	1	—
Water transportation	2	—	—	—	2	—	—	—
Falls	70	—	1	3	15	14	4	33
Fire and flames	8	—	1	—	2	2	2	1
Drowning	19	—	2	5	9	2	—	1
Other public non-motor vehicle accidents	39	2	3	3	9	14	3	5

Table 9. Deaths from Suicides By Age, New York City, 1987

Method	All Ages	0-4	5-14	15-24	25-44	45-64	65-74	75 and over
Total	502	—	4	63	202	114	56	63
Poisoning by solid or liquid substances	45	—	—	5	18	12	7	3
Poisoning by gases and vapors	15	—	—	2	4	6	1	2
Hanging, strangulation and suffocation	139	—	2	20	56	23	18	20
Submersion (drowning)	20	—	—	4	7	6	3	—
Firearms and explosives	88	—	2	14	35	24	6	7
Cutting and piercing instruments	21	—	—	—	10	6	5	—
Jumping from high place	149	—	—	15	57	34	15	28
Other and unspecified means	25	—	—	3	15	3	1	3

Table 10. Deaths from Homicides By Age, New York City, 1987

Method	All Ages	0-4	5-14	15-24	25-44	45-64	65-74	75 and over
Total	1,691	20	23	549	813	210	58	18
Fight, Brawl, Rape	—	1	—	—	—	—	1	—
Corrosive or caustic substance, poisoning	3	1	—	1	—	—	—	—
Hanging and strangulation	68	3	1	8	25	13	13	5
Submersion (drowning)	—	—	—	—	—	—	—	—
Firearms and explosives	1,095	1	16	434	524	104	14	2
Cutting and piercing instrument	349	1	4	84	181	56	15	8
Child battering and other maltreatment	8	7	1	—	—	—	—	—
Late Effects	—	—	—	—	—	—	—	—
Legal intervention	10	—	—	4	5	—	1	—
Other and Unspecified	158	7	1	18	78	37	14	3

Table 11. Deaths from Injury Undetermined Whether Accidentally or Purposely Inflicted By Age, New York City, 1987

Method	All Ages	0-4	5-14	15-24	25-44	45-64	65-74	75 and over
Total	790	40	9	70	377	146	77	71
Poisoning by solid or liquid substances	95	1	—	11	69	10	1	3
Poisoning by gases and vapors	7	—	—	2	4	1	—	—
Hanging, strangulation or suffocation	58	4	—	8	25	10	7	4
Submersion (drowning)	54	1	2	6	32	9	2	2
Firearms and explosives	45	—	—	6	27	7	5	—
Cutting and piercing instrument	8	—	—	1	3	2	1	1
Falling from high place	104	2	—	13	53	14	6	16
Late effects	3	—	—	—	3	—	—	—
Other and unspecified means	416	32	7	23	161	93	55	45

Table 12. Deaths from AIDS by Age, Sex and Ethnic Group, New York City, 1983-1987

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

For 1983-1986, acquired immunodeficiency syndrome (AIDS) is ICD code 279.1; for 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, 1987

Cause of Death	Total	Percent of Total Deaths with Specified Characteristics							
		Hispanic	Asian	Other White	Other Black	Other Nonwhite & Unknown	Male	Never Married	Age Under 20
All Causes	76,448	9.7	2.8	58.9	22.2	6.4	52.8	22.6	3.3
AIDS	3,159	25.3	0.7	31.2	33.6	9.2	83.9	68.5	2.9
Drug Dependence	956	24.9	0.5	18.3	37.7	18.6	79.1	54.5	0.5
Cirrhosis of Liver	1,432	22.6	1.4	34.0	30.9	11.1	73.1	33.3	0.3
Motor Vehicle Accidents	622	18.2	3.9	45.7	18.6	13.7	71.9	44.1	12.9
Other Accidents	677	13.6	3.4	47.6	20.7	14.8	59.8	31.0	10.2
Suicide	502	17.7	4.4	46.8	14.3	16.7	71.7	41.2	4.2
Homicide	1,691	26.3	2.4	12.9	44.4	14.0	82.9	62.0	13.3
Injury Undetermined	790	18.4	2.0	31.3	31.1	17.2	74.4	44.7	8.4
All Other Causes	66,619	7.7	3.0	63.2	20.7	5.4	49.1	18.1	3.0

Table 14.

**Life Expectancy at Specified Ages By Sex and Color
New York City, 1950-1980 and United States, 1980**

MALE										
Exact Age in Years	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

FEMALE										
Exact Age in Years	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.

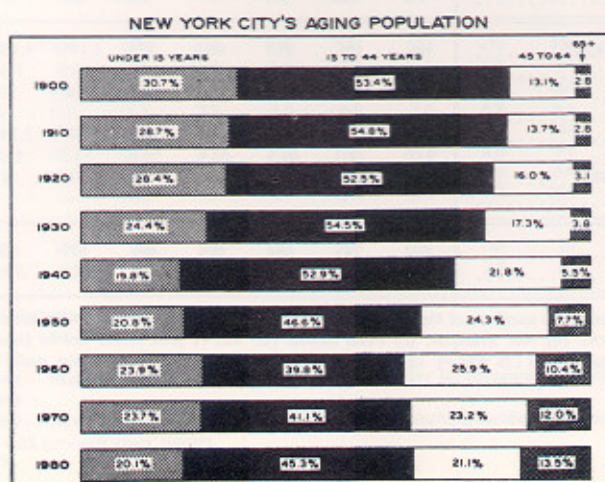


Table 17.

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 yr.)	15,611	16,609	14,060	12,004	8,895	7,662	5,521	4,079	3,828
Rate (a)	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)	5,143	4,894	4,309	3,892	3,152	2,631	2,764	3,298
Rate (a)	—	—	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 (a)	—	—	—	—	—	—	—	20.5	18.5	17.7
Fetal deaths (28 wks. gestation & over)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	2,589	2,709	2,902
Ratio (a)	—	—	—	—	—	—	—	25.3	21.4	18.1
Perinatal rate (c)	(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 (d)	144.0	191.8	119.8	100.5	73.2	46.8	21.4	6.5	2.6	2.4
Meningococcal meningitis (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
Tuberculosis of respir. sys. (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 (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
Cirrhosis of liver (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 (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
Vascular lesions (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	—	—	—	—	—	—	—	—	—	—
Suicides (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
Homicides (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 (E980-E989)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)
Rate	—	—	—	—	—	—	—	—	—	—
Puerperal diseases (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 following disease names are numbers of the International Classification of Diseases, 9th Revision. (a) Rates and ratios are per 1,000 live births. (b) Not available. (c) Fetal deaths (28 wks +) plus infant deaths (less than 7 days) per 1,000 live births plus fetal deaths (28 wks +). (d) Rates for measles per 100,000 population under five years. (e) Rate is less than 0.05.

per 100,000 Population, New York City, 1901 — 1987

ANNUAL AVERAGE													
1949-1951	1952-1955	1956-1960	1961-1965	1966-1970	1971-1975	1976-1980	1981	1982	1983	1984	1985	1986	1987
3,882	4,021	4,290	4,333	3,477	2,312	1,875	1,678	1,706	1,603	1,540	1,591	1,566	1,673
24.5	24.6	25.7	26.2	23.6	19.9	17.4	15.5	15.3	14.3	13.6	13.4	12.8	13.1
2,989	3,032	3,220	3,226	2,602	1,714	1,333	1,144	1,173	1,070	1,014	1,082	1,078	1,139
18.9	18.5	19.3	19.5	17.7	14.8	12.3	10.5	10.5	9.5	8.9	9.1	8.8	8.9
2,604	2,713	2,909	2,922	2,351	1,480	1,131	967	964	902	863	938	909	977
16.4	16.6	17.4	17.7	16.0	12.8	10.5	8.9	8.6	8.0	7.6	7.9	7.4	7.7
2,441	2,310	2,362	2,276	1,885	1,288	835	735	763	767	672	656	643	741
15.4	14.1	14.1	13.8	12.8	11.1	7.7	6.8	6.8	6.8	5.9	5.5	5.3	5.8
31.3	30.2	31.1	31.0	28.4	23.6	18.1	15.6	15.4	14.8	13.5	13.3	12.7	13.4
10	12	12	8	2	1	0	0	0	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	17	21	10	13	14	8
0.4	0.4	0.3	0.3	0.2	0.1	0.2	0.2	0.2	0.3	0.1	0.2	0.2	0.1
2,173	1,178	824	624	432	235	141	121	135	122	128	118	160	154
27.4	15.0	10.6	8.0	5.5	3.1	2.0	1.7	1.9	1.7	1.8	1.7	2.3	2.2
172	97	52	43	39	32	22	34	33	29	40	37	26	65
2.2	1.2	0.7	0.5	0.5	0.4	0.3	0.5	0.5	0.4	0.6	0.5	0.4	0.9
57	51	68	32	63	27	35	13	2	2	6	12	7	1
0.7	0.6	0.9	0.4	0.8	0.3	0.5	0.2	(e)	(e)	0.1	0.2	0.1	0.0
2,412	2,613	3,391	3,362	3,499	3,137	2,965	2,554	2,414	2,546	2,964	3,189	3,250	3,174
30.4	33.2	43.4	42.9	44.4	41.0	41.0	36.1	34.1	36.0	41.9	45.1	46.0	44.9
450	461	651	960	1,425	1,627	1,583	1,629	1,767	1,967	2,051	2,292	2,525	2,513
5.7	5.9	8.3	12.3	18.1	21.3	21.9	23.0	25.0	27.8	29.0	32.4	35.7	35.5
15,556	16,553	16,869	17,398	17,814	17,315	16,549	16,147	15,668	15,928	15,859	15,842	15,861	15,822
196.0	210.6	216.1	222.1	226.3	226.3	228.7	228.4	221.6	225.3	224.3	224.0	224.3	223.8
1,583	1,644	1,581	1,789	1,867	2,064	1,547	1,501	1,432	1,439	1,385	1,423	1,370	1,332
19.9	20.9	20.3	22.9	23.7	27.0	21.4	21.2	20.3	20.4	19.6	20.1	19.4	18.8
1,500	1,440	1,858	2,386	2,936	2,440	2,185	1,975	1,824	1,646	1,752	1,747	1,532	1,432
19.2	18.3	23.8	30.5	37.3	31.9	30.2	27.9	25.8	23.3	24.8	24.7	21.7	20.3
570	556	573	509	447	372	381	330	347	382	391	466	689	791
7.2	7.1	7.3	6.5	5.7	4.9	5.3	4.7	4.9	5.4	5.5	6.6	9.7	11.2
36,206	37,724	38,988	39,943	41,981	40,639	37,978	37,800	38,372	38,211	37,888	36,817	35,246	33,967
456.3	479.9	499.5	510.2	532.4	531.1	524.8	534.6	542.7	540.4	535.8	520.7	498.5	480.4
5,099	5,688	6,013	6,174	6,277	5,433	4,174	3,430	3,263	3,159	3,052	3,065	3,230	2,946
64.3	72.4	77.0	78.9	79.7	71.0	57.7	48.5	46.1	44.7	43.2	43.3	45.7	41.7
(b)	81	96	263	551	677	414	511	560	598	524	670	767	956
—	1.0	1.2	3.4	7.0	8.8	5.7	7.2	7.9	8.5	7.4	9.5	10.8	13.5
863	649	711	908	680	641	711	641	626	570	585	594	593	502
10.9	8.3	9.1	11.6	8.6	8.4	9.8	9.1	8.9	8.1	8.3	8.4	8.4	7.1
318	340	366	592	992	1,663	1,700	1,992	1,889	1,794	1,622	1,519	1,635	1,691
4.0	4.3	4.7	7.6	12.6	21.7	23.5	28.2	26.7	25.4	22.9	21.5	23.1	23.9
600	634	655	714	887	834	606	542	502	435	454	451	514	622
7.6	8.1	8.4	9.1	11.3	10.9	8.4	7.7	7.1	6.2	6.4	6.4	7.3	8.8
1,699	1,568	1,095	951	871	755	525	467	539	483	464	477	555	485
21.4	19.9	14.0	12.1	11.1	9.9	7.3	6.6	7.6	6.8	6.6	6.7	7.8	6.9
1,008	882	996	996	859	484	401	384	448	281	254	265	236	192
12.7	11.2	12.8	12.7	10.9	6.3	5.5	5.4	6.3	4.0	3.6	3.7	3.3	2.7
(b)	(b)	(b)	(b)	946	1,062	699	809	620	668	709	676	661	790
—	—	—	—	10.9	13.9	9.7	11.4	8.8	9.4	10.0	9.6	9.3	11.2
115	102	107	109	73	36	28	33	37	44	21	30	29	28
7.3	6.2	6.4	6.6	5.0	3.1	2.6	3.0	3.3	3.9	1.9	2.5	2.4	2.2

Revision of the International Classification and Major Code Changes

5th Revision, 1939

6th Revision, 1949 — Major changes, see summaries of 1961 and earlier for comparability ratios.

7th Revision, 1959

8th Revision, 1969 — New rubric of "Undetermined Injury", thereby making accidents and suicides not comparable with previous years' figures.

9th Revision 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, 1987

Borough of Residence/ Pregnancy Outcome	Borough of Occurrence					
	Total	Manhattan	Bronx	Brooklyn	Queens	Richmond
NEW YORK CITY	228,264	88,694	28,858	60,634	44,496	5,582
Live births	127,386	38,817	20,536	38,190	24,645	5,198
Spontaneous terminations	741	184	119	281	127	30
Induced terminations	100,137	49,693	8,203	22,163	19,724	354
MANHATTAN	36,595	33,897	932	503	1,253	10
Live births	20,491	19,574	557	190	161	9
Spontaneous terminations	118	112	4	1	1	—
Induced terminations	15,986	14,211	371	312	1,091	1
BRONX	42,389	15,017	24,948	606	1,810	8
Live births	23,423	4,585	18,486	117	227	8
Spontaneous terminations	134	25	107	2	—	—
Induced terminations	18,832	10,407	6,355	487	1,583	—
BROOKLYN	79,622	18,571	251	54,336	6,168	296
Live births	43,222	5,981	102	35,574	1,280	285
Spontaneous terminations	289	15	1	263	8	2
Induced terminations	36,111	12,575	148	18,499	4,880	9
QUEENS	43,305	9,649	410	2,167	31,053	26
Live births	25,773	3,960	194	1,201	20,394	24
Spontaneous terminations	131	18	1	7	105	—
Induced terminations	17,401	5,671	215	959	10,554	2
RICHMOND	7,884	1,662	20	1,083	178	4,941
Live births	5,565	299	9	610	58	4,589
Spontaneous terminations	32	—	—	5	1	26
Induced terminations	2,287	1,363	11	468	119	326
NON-RESIDENTS	16,753	8,974	2,146	1,642	3,694	297
Live births	8,886	4,409	1,185	489	2,520	283
Spontaneous terminations	35	13	6	2	12	2
Induced terminations	7,832	4,552	955	1,151	1,162	12
RESIDENCE UNKNOWN	1,716	924	151	297	340	4
Live births	26	9	3	9	5	—
Spontaneous terminations	2	1	—	1	—	—
Induced terminations	1,688	914	148	287	335	4

Table 19. Live Births by Mother's Descent or Origin and Borough of Residence New York City, 1987

Descent or Origin of Mother	Borough of Residence						Non-Residents	Residence Unknown
	Total	Manhattan	Bronx	Brooklyn	Queens	Richmond		
Puerto Rican	18,625	2,832	7,864	5,986	1,395	275	270	3
Dominican	8,931	4,092	2,250	1,282	1,213	15	79	—
Colombian	1,757	92	74	175	1,365	12	39	—
Ecuadorian	1,510	185	264	350	672	12	27	—
Mexican	1,196	181	333	491	149	13	28	1
Cuban	503	109	91	80	145	17	61	—
Other Hispanic	5,475	507	1,256	1,825	1,604	115	166	2
American	13,555	1,822	477	3,541	3,792	1,295	2,624	4
Haitian	3,053	148	53	2,179	605	9	59	—
Guyanese	1,239	30	188	496	502	6	17	—
Jamaican	1,825	39	465	906	365	8	41	1
Other North, Central and South American	6,201	438	1,029	3,677	820	41	195	1
European	18,235	2,433	1,657	5,250	3,434	2,631	2,829	1
Chinese	3,222	892	80	988	956	61	244	1
Indian	1,299	75	157	197	723	46	101	—
Korean	1,120	60	68	118	735	36	103	—
Filipino	880	147	77	117	376	38	125	—
Other Asian	4,405	404	266	2,142	1,000	222	368	3
African	26,872	4,247	6,193	10,503	4,794	597	533	5
Not stated	7,483	1,758	581	2,919	1,128	116	977	4
Total	127,386	20,491	23,423	43,222	25,773	5,565	8,886	26

Table 20.

**Live Births, Spontaneous and Induced Terminations of Pregnancy
By Borough of Residence and Age of Woman
New York City, 1987**

Borough of Residence/ Pregnancy Outcome	Total All Ages	Age of Woman								
		Under 15	15-17	18-19	20-24	25-29	30-34	35-39	40 & Over	Not Stated
NEW YORK CITY	232,656	1,143	13,262	19,006	64,994	63,835	44,566	20,571	4,408	871
Live births	127,386	286	4,886	7,994	31,776	38,165	29,184	12,788	2,244	63
Spontaneous terminations	5,133	24	146	258	996	1,351	1,254	752	271	81
Induced terminations	100,137	833	8,230	10,754	32,222	24,319	14,128	7,031	1,893	727
MANHATTAN	37,304	169	1,969	2,800	9,463	9,857	7,843	4,081	944	178
Live births	20,491	45	786	1,179	4,440	5,481	5,221	2,772	549	18
Spontaneous terminations	827	4	27	40	121	200	223	136	64	12
Induced terminations	15,986	120	1,156	1,581	4,902	4,176	2,399	1,173	331	148
BRONX	42,721	290	3,087	4,204	14,078	11,310	6,426	2,640	536	150
Live births	23,423	80	1,378	2,077	7,571	6,583	3,889	1,565	271	9
Spontaneous terminations	466	3	18	26	113	125	106	54	13	8
Induced terminations	18,832	207	1,691	2,101	6,394	4,602	2,431	1,021	252	133
BROOKLYN	81,517	402	4,895	7,017	23,792	22,095	14,699	6,845	1,499	273
Live births	43,222	117	1,915	3,109	11,698	12,745	8,968	3,933	712	25
Spontaneous terminations	2,184	13	68	140	484	570	487	287	96	39
Induced terminations	36,111	272	2,912	3,768	11,610	8,780	5,244	2,625	691	209
QUEENS	44,088	134	1,884	3,157	12,011	13,134	8,932	3,899	834	103
Live births	25,773	38	636	1,338	6,141	8,611	6,139	2,452	411	7
Spontaneous terminations	914	2	16	28	183	255	219	142	63	6
Induced terminations	17,401	94	1,232	1,791	5,687	4,268	2,574	1,305	360	90
RICHMOND	8,234	18	305	498	1,850	2,731	1,953	722	125	32
Live births	5,565	5	112	190	1,098	2,088	1,519	500	53	—
Spontaneous terminations	382	1	11	16	68	110	109	56	11	—
Induced terminations	2,287	12	182	292	684	533	325	166	61	32
OTHER*	18,792	130	1,122	1,330	3,800	4,708	4,713	2,384	470	135
Live births	8,912	1	59	101	828	2,657	3,448	1,566	248	4
Spontaneous terminations	360	1	6	8	27	91	110	77	24	16
Induced terminations	9,520	128	1,057	1,221	2,945	1,960	1,155	741	198	115

*Includes Nonresidents and Residence Unknown.

**Table 21. Spontaneous Terminations of Pregnancy by Gestation and Age of Woman
New York City, 1987**

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	2,220	4	44	97	372	571	579	374	160	19
13-15	536	1	12	21	109	160	113	88	27	5
16-19	444	2	16	22	85	113	111	72	19	4
20-27	703	10	34	46	167	186	170	72	17	1
28 & Over	741	3	22	46	173	198	175	91	32	1
Not stated	489	4	18	26	90	123	106	55	16	51
Total	5,133	24	146	258	996	1,351	1,254	752	271	81

**Table 22. Selected Characteristics of Live Births by Age of Mother
New York City, 1987**

	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	127,386	286	4,886	7,994	31,776	38,165	29,184	12,788	2,244	63
Sex										
Male	64,918	146	2,484	4,025	16,316	19,384	14,810	6,580	1,141	32
Female	62,468	140	2,402	3,969	15,460	18,781	14,374	6,208	1,103	31
Race of Child										
White	72,819	97	2,323	3,892	17,077	21,941	17,848	8,152	1,450	39
Black	46,156	186	2,532	3,993	13,507	13,020	8,590	3,664	647	17
American Indian	40	—	1	2	12	11	10	4	—	—
Chinese	3,474	1	6	22	442	1,315	1,213	420	48	7
Japanese	255	—	—	1	11	81	109	49	4	—
Filipino	816	—	1	7	40	299	315	125	29	—
Other nonwhite	3,826	2	23	77	687	1,498	1,099	374	66	—
Race of Child for Mothers of										
Hispanic Origin/Descent	37,997	102	2,154	3,270	12,018	10,652	6,498	2,782	511	10
White	32,237	88	1,925	2,869	10,238	8,966	5,380	2,328	433	10
Black	5,522	13	227	387	1,707	1,616	1,067	430	75	—
American Indian	5	—	—	1	3	1	—	—	—	—
Chinese	31	—	—	2	7	11	5	4	2	—
Japanese	7	—	—	—	3	1	1	—	—	—
Filipino	8	—	—	—	1	3	3	1	—	—
Other nonwhite	187	1	2	11	59	54	41	18	1	—
Number of Child in										
Order of Birth										
(Live Births Only)										
First	59,738	277	4,307	5,991	17,500	16,589	10,399	3,970	667	38
Second	36,378	8	521	1,641	9,287	11,818	9,130	3,474	492	7
Third	17,722	1	53	305	3,518	5,902	5,226	2,340	370	7
Fourth	7,358	—	3	51	1,082	2,365	2,293	1,318	242	4
Fifth	3,076	—	1	4	268	941	1,023	667	172	—
Sixth or more	3,114	—	1	2	121	550	1,113	1,019	301	7
Weight at Delivery										
Less than 500 grams	220	—	7	10	47	66	53	34	3	—
500-999 grams	999	3	51	63	226	307	212	96	17	4
1000-1499 grams	1,172	4	55	93	284	334	257	120	24	1
1500-1999 grams	2,336	4	117	154	607	664	494	246	50	—
2000-2499 grams	7,281	27	367	549	1,936	2,043	1,557	682	111	9
2500-2999 grams	25,383	69	1,247	2,013	6,963	7,345	5,148	2,216	368	14
3000-3499 grams	49,039	120	1,974	3,187	12,569	14,743	10,945	4,681	798	22
3500-3999 grams	31,334	48	877	1,585	7,220	9,619	7,929	3,421	629	6
4000-4499 grams	8,108	30	164	304	1,642	2,553	2,165	1,064	205	1
4500-4999 grams	1,321	—	22	29	244	428	365	200	32	1
5000 grams and over	177	—	2	5	28	59	53	25	5	—
Not stated	36	1	3	2	10	4	6	3	2	5
Plurality										
Single	124,399	286	4,828	7,861	31,099	37,224	28,469	12,358	2,214	60
Twin	2,910	—	58	127	667	922	688	415	30	3
Triplet	68	—	—	6	10	10	27	15	—	—
Quadruplet	4	—	—	—	—	4	—	—	—	—
Quintuplet	5	—	—	—	—	5	—	—	—	—
Place of Birth										
Home	128	—	1	4	21	32	43	20	6	1
Hospital										
Voluntary/General Service	32,458	123	2,061	3,174	10,047	8,932	5,505	2,215	377	24
Voluntary/Private Service	60,140	42	727	1,422	9,992	19,932	18,211	8,329	1,460	25
Municipal	34,067	120	2,081	3,372	11,590	9,101	5,262	2,143	390	8
Maternity Center	229	—	—	2	18	66	87	50	6	—
Other	364	1	16	20	108	102	76	31	5	5
Attendant										
Physician	118,470	254	4,299	7,127	28,942	35,882	27,591	12,171	2,147	57
Nurse Midwife	8,824	32	584	863	2,805	2,252	1,579	612	96	1
Other	92	—	3	4	29	31	14	5	1	5
Financial Coverage										
Self	10,194	19	386	766	2,911	3,053	2,042	838	176	3
Medicaid	45,091	208	3,293	4,964	15,318	11,524	6,620	2,679	451	34
Third Party	68,615	49	1,055	1,990	12,557	22,549	19,856	8,985	1,560	14
Not stated	3,486	30	152	274	990	1,039	666	286	57	12
Month of First Visit for										
Prenatal Care										
Early (1-6 months)	93,785	130	2,776	4,734	20,988	29,174	23,587	10,520	1,840	36
Late (7-9 months)	11,736	73	808	1,182	3,854	3,067	1,887	726	131	8
No Care	12,988	44	827	1,313	4,332	3,511	1,992	822	135	12
Not stated	8,877	39	475	765	2,602	2,413	1,718	720	138	7
Legitimacy										
In wedlock	76,051	6	474	1,873	14,905	25,771	21,839	9,536	1,635	12
Out of wedlock	51,335	280	4,412	6,121	16,871	12,394	7,345	3,252	609	51
Nativity of Mother										
Puerto Rico	7,523	14	360	592	2,452	1,903	1,263	747	191	1
Native	71,315	242	3,885	5,649	18,315	20,203	15,488	6,507	1,020	6
Foreign	48,357	30	637	1,745	10,968	16,029	12,399	5,512	1,026	11
Not stated	191	—	4	8	41	30	34	22	7	45

Table 23. Selected Characteristics of Live Births and Spontaneous Terminations of Pregnancy (28 Weeks & Over) by Mother's Ethnic Group New York City, 1987

	Total	Mother's Ethnic Group					
		Puerto Rican	Other Hispanic	Asian	Other White	Other Black	Other Nonwhite & not stated
Total Live Births	127,386	18,625	19,372	10,926	37,558	40,020	885
Sex							
Male	64,918	9,455	9,835	5,645	19,185	20,338	460
Female	62,468	9,170	9,537	5,281	18,373	19,682	425
Number of Child in Order of Birth (Live Births Only)							
First	59,738	8,129	8,516	5,427	19,688	17,495	483
Second	36,378	5,320	5,688	3,164	10,801	11,169	236
Third	17,722	2,945	3,269	1,244	4,078	6,084	802
Fourth	7,358	1,281	1,224	481	1,441	2,895	36
Fifth	3,076	530	397	237	635	1,258	19
Sixth or more	3,114	420	278	373	915	1,119	9
Weight at Delivery							
Under 500 grams	220	32	18	8	47	114	1
500-999 grams	979	130	112	29	178	521	9
1000-1499 grams	1,172	199	127	51	233	555	7
1500-1999 grams	2,336	392	233	115	462	1,123	11
2000-2499 grams	7,281	1,247	841	438	1,416	3,276	63
2500-2999 grams	25,383	4,209	3,448	2,184	5,614	9,735	193
3000-3499 grams	49,039	7,147	7,541	4,766	14,513	14,706	366
3500-3999 grams	31,334	4,125	5,392	2,667	11,172	7,793	185
4000-4499 grams	8,108	984	1,400	572	3,291	1,822	39
4500-4999 grams	1,321	144	223	87	548	309	10
5000 grams and over	177	14	34	8	68	53	—
Not stated	36	2	3	1	16	13	1
Plurality							
Single	124,399	18,223	19,006	10,724	36,602	38,974	870
Twin	2,910	396	360	199	897	1,043	15
Triplet	68	6	6	3	50	3	—
Quadruplet	4	—	—	—	4	—	—
Quintuplet	5	—	—	—	5	—	—
Apgar Score at 5 Minutes							
6 or less	2,184	345	288	99	379	1,059	14
7	1,444	262	213	61	251	651	6
8	5,865	967	988	284	1,009	2,591	26
9	63,703	10,730	10,585	4,918	14,568	22,526	376
10	53,036	6,192	7,182	5,521	21,223	12,464	454
Not stated	1,154	129	116	43	128	729	9
Place of Birth							
Home	128	6	6	2	63	47	4
Hospital							
Voluntary/General Service	32,458	6,581	7,109	2,062	3,818	12,735	153
Voluntary/Private Service	60,140	4,275	4,201	7,712	31,214	12,275	463
Municipal	34,067	7,726	8,001	1,120	2,245	14,717	258
Maternity Center	229	5	12	7	170	29	6
Other	364	32	43	23	48	217	1
Attendant							
Physician	118,470	16,356	17,840	10,562	36,050	36,839	823
Nurse Midwife	8,824	2,255	1,523	362	1,488	3,134	62
Other	92	14	9	2	20	47	—
Financial Coverage							
Self	10,194	1,162	1,943	1,519	2,129	3,317	124
Medicaid	45,091	11,287	9,145	916	3,461	20,111	171
Third Party	68,615	5,694	6,640	8,243	31,158	15,310	570
Not stated	3,486	482	644	248	810	1,282	20
Month of First Visit for Prenatal Care							
Early (1-6 months)	93,785	11,975	13,382	9,140	32,977	25,601	710
Late (7-9 months)	11,736	2,142	2,395	957	1,792	4,378	72
No Care	12,988	3,078	2,429	365	1,265	5,805	46
Not stated	8,877	1,430	1,166	464	1,524	4,236	57
Legitimacy							
In wedlock	76,051	7,085	11,330	10,152	32,893	13,861	730
Out of wedlock	51,335	11,540	8,042	774	4,665	26,159	155
Nativity of Mother							
Puerto Rican	7,523	7,230	188	2	85	16	2
Native	71,315	10,889	1,734	1,260	30,585	26,582	265
Foreign	48,357	481	17,443	9,652	6,784	13,382	615
Not stated	191	25	7	12	104	40	3
Spontaneous Terminations of Pregnancy (28 Weeks & Over)							
Total	741	86	107	39	158	296	55
Sex							
Male	342	35	57	14	69	149	18
Female	343	45	48	20	72	130	28
Undetermined	56	6	2	5	17	17	9
Weight at Delivery							
Under 500 grams	38	9	5	1	6	15	2
500-999 grams	88	14	8	5	13	43	5
1000-1499 grams	86	8	19	6	11	36	6
1500-1999 grams	95	11	16	2	22	42	2
2000-2499 grams	97	13	16	6	14	40	8
2500 grams & over	218	21	32	12	57	82	14
Not stated	119	10	11	7	35	38	18

Table 24.

**Live Births by Selected Characteristics and Infant Deaths
by Health Center District of Residence, New York City, 1987**

Health Center District	Live Births Rate (1)		Percent of Total Live Births with Specified Characteristic							Infant Mortality (Under 1 Year) Number Rate (2)		Neonatal Mortality (Under 28 Days) Number Rate (2)		
			Mother's Descent or Origin		First Live Birth	Under 2,500 Grams	Late or no Prenatal Care	Out of Wedlock	On Medicaid					
			Puerto Rican	Other Hispanic										
NEW YORK CITY	127,386	18.0	14.6	15.2	42.8	46.9	9.4	19.4	40.3	35.4	1,673	13.1	1,139	8.9
MANHATTAN	20,491	14.4	13.8	25.2	39.1	51.4	10.6	21.3	45.0	43.9	241	11.8	163	8.0
Central Harlem	2,394	19.6	7.4	3.6	89.8	38.9	19.0	42.4	82.1	66.5	50	20.9	34	14.2
East Harlem	2,088	16.7	39.8	9.1	37.5	48.3	13.1	20.6	58.9	45.2	26	12.5	14	6.7
Kips Bay-Yorkville	1,942	8.4	2.3	3.8	14.1	75.8	6.9	6.6	14.1	6.0	17	8.8	14	7.2
Lower East Side	2,678	11.7	25.0	11.9	42.9	53.1	8.7	14.9	35.8	31.2	30	11.2	22	8.2
Lower West Side	2,919	10.8	8.9	7.1	29.5	60.3	9.5	16.9	30.9	24.5	27	9.2	17	5.8
Riverside	2,494	12.1	10.3	17.4	31.0	59.1	8.9	17.2	37.5	31.3	26	10.4	15	6.0
Washington Heights	5,976	24.7	9.9	64.5	33.9	41.2	9.6	24.5	49.4	67.1	65	10.9	47	7.9
BRONX	23,423	20.0	33.6	18.2	45.0	43.6	10.8	33.8	58.6	51.7	315	13.4	207	8.8
Fordham-Riverdale	4,393	18.7	32.3	20.5	35.6	44.8	9.2	25.2	48.8	42.5	57	13.0	39	8.9
Morrisania	3,707	27.6	32.2	17.8	55.5	39.6	13.0	43.6	72.2	67.0	63	17.0	38	10.3
Mott Haven	2,881	23.2	49.1	19.5	39.0	43.4	11.5	52.0	71.9	61.7	42	14.6	29	10.1
Pelham Bay	2,754	12.5	19.6	5.3	63.7	47.7	11.2	21.8	46.4	29.8	35	12.7	25	9.1
Tremont	5,435	31.4	34.3	27.2	46.3	39.5	11.8	37.4	69.4	66.1	76	14.0	50	9.2
Westchester	4,253	15.0	33.7	12.2	35.8	48.7	8.6	25.1	41.9	36.7	42	9.9	26	6.1
BROOKLYN	43,222	19.4	13.8	9.7	50.9	43.8	9.5	17.3	43.8	41.9	593	13.7	411	9.5
Bay Ridge	3,143	12.6	7.8	6.2	13.4	49.3	7.0	7.6	13.2	14.4	31	9.9	21	6.7
Bedford	5,187	24.9	3.5	4.9	87.9	42.8	13.1	20.3	65.6	58.1	81	15.6	59	11.4
Brownsville	5,720	21.1	13.4	7.1	72.4	43.4	11.7	18.1	59.0	53.6	82	14.3	48	8.4
Bushwick	4,468	26.8	35.3	21.4	47.8	42.9	11.5	25.2	59.0	63.4	76	17.0	46	10.3
Flatbush	9,584	20.0	4.0	6.2	61.8	43.6	8.0	15.7	36.8	28.1	129	13.5	96	10.0
Fort Greene	3,098	21.1	14.2	8.7	71.6	45.4	13.5	27.6	64.2	58.2	65	21.0	45	14.5
Gravesend	3,575	12.4	8.5	6.1	26.1	46.9	6.7	14.6	23.1	18.3	39	10.9	27	7.6
Red Hook-Gowanus	1,677	14.7	25.0	8.1	33.3	51.2	9.8	12.6	44.7	40.5	27	16.1	22	13.1
Sunset Park	3,542	21.5	22.1	16.1	15.6	39.3	6.8	8.4	26.0	32.7	35	9.9	26	7.3
Williamsburg-Greenp't	3,228	22.7	27.5	18.8	17.4	38.7	6.7	19.1	34.4	54.9	28	8.7	21	6.5
QUEENS	25,773	13.6	5.4	20.0	44.1	50.9	8.3	15.8	30.1	18.3	304	11.8	210	8.1
Astoria-Long Is'd City	3,155	13.2	5.9	25.9	29.3	55.6	7.1	19.0	27.9	11.1	30	9.5	24	7.6
Corona	4,801	18.2	4.5	43.6	38.5	54.3	7.4	23.3	30.5	10.4	43	9.0	33	6.9
Flushing	4,508	10.2	2.8	15.0	32.3	51.1	6.5	9.6	14.0	5.8	43	9.5	31	6.9
Jamaica East	5,139	15.9	2.6	8.5	83.7	46.6	12.2	13.3	49.1	33.1	99	19.3	59	11.5
Jamaica West	5,246	15.0	9.6	16.1	44.5	46.9	8.7	16.7	35.2	30.0	62	11.8	43	8.2
Maspeth-Forest Hills	2,924	10.6	7.7	9.5	16.9	54.3	5.9	12.5	14.2	11.0	27	9.2	20	6.8
RICHMOND	5,565	15.8	4.9	3.3	17.1	45.4	6.2	6.8	16.4	14.5	48	8.6	36	6.5
NON-RESIDENTS RESIDENCE UNKNOWN	8,886	—	—	—	—	—	—	—	—	—	157	—	102	—
	26	—	—	—	—	—	—	—	—	—	15	—	10	—

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

Table 25.

**Live Births by Selected Characteristics and
Mother's Descent or Origin, New York City, 1987**

Descent or Origin	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	18,625	58.5	8.5	43.6	10.7	28.0	62.0	60.6	20.6
Dominican	8,931	3.6	31.9	40.1	6.8	26.4	42.4	62.5	7.6
Colombian	1,757	1.7	3.8	58.0	5.5	22.5	41.1	15.8	5.5
Ecuadorian	1,510	1.7	4.0	44.3	6.8	27.4	31.4	32.6	6.2
Mexican	1,196	3.0	3.9	44.9	6.2	34.7	41.9	38.4	18.6
Cuban	503	25.6	17.7	41.6	7.4	17.1	32.4	27.2	4.6
Other Hispanic	5,475	25.2	19.5	45.8	7.5	21.1	43.7	40.2	10.5
American	13,555	96.7	2.9	52.1	6.3	7.0	12.6	7.5	3.7
Haitian	3,053	0.6	99.5	41.8	8.0	20.2	41.8	39.7	2.6
Guyanese	1,239	0.6	96.9	50.9	10.3	16.7	27.0	24.1	5.5
Jamaican	1,825	1.5	99.6	40.5	8.5	19.1	58.1	34.5	8.7
Other North, Central and South American	6,201	2.8	90.2	44.5	9.2	19.6	47.9	35.3	6.2
European	18,235	74.3	3.1	51.2	5.9	8.2	11.0	8.0	3.2
Chinese	3,222	5.7	99.8	57.8	5.0	10.1	7.8	4.3	0.7
Indian	1,299	1.7	95.7	52.0	9.5	16.9	7.6	8.2	2.5
Korean	1,120	0.4	99.3	58.7	4.6	17.1	5.1	3.9	0.2
Filipino	880	2.3	98.2	58.4	6.5	10.0	10.5	3.5	0.9
Other Asian	4,405	23.4	33.3	39.0	5.6	11.3	6.2	13.5	3.9
African	26,872	93.6	98.6	43.6	16.1	28.3	73.1	57.0	19.2
Not stated	7,483	73.5	24.2	55.2	8.8	12.3	26.3	21.8	6.2
Total	127,386	56.2	42.8	46.9	9.4	19.4	40.3	35.4	10.3

Table 26.

**Live Births to Teenagers by Selected Characteristics and Infant Deaths
by Health Center District of Residence, New York City, 1987**

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 Descent or Origin			First Live Birth	Under 2,500 Grams	Late or no Prenatal Care	Out of Wedlock	On Medicaid	Number	Rate (1)	Number	Rate (1)
			Puerto Rican	Other Hispanic	Nonwhite Child									
NEW YORK CITY	13,166	10.3	29.1	12.9	52.1	80.3	11.4	32.3	82.1	64.3	189	14.4	120	9.1
MANHATTAN	2,010	9.8	30.0	22.4	48.4	81.6	12.2	34.5	85.0	71.9	23	11.4	14	7.0
Central Harlem	382	16.0	9.2	1.6	90.8	77.7	12.6	45.8	95.5	76.7	5	13.1	4	10.5
East Harlem	307	14.7	56.0	9.1	35.2	78.5	14.0	28.3	86.3	59.3	5	16.3	3	9.8
Kips Bay-Yorkville	108	5.6	16.7	8.3	69.4	94.4	11.1	43.5	95.4	70.4	—	—	—	—
Lower East Side	245	9.1	58.0	16.7	27.3	85.7	10.2	26.9	77.6	71.0	2	8.2	1	4.1
Lower West Side	149	5.1	26.8	12.8	42.3	73.2	12.8	45.6	85.9	77.9	1	6.7	1	6.7
Riverside	191	7.7	24.1	20.9	51.3	81.7	13.6	35.1	86.9	67.5	5	26.2	3	15.7
Washington Heights	628	10.5	23.7	49.0	34.1	83.6	11.5	29.1	78.2	75.8	5	8.0	2	3.2
BRONX	3,535	15.1	46.7	13.0	42.5	78.6	11.4	43.5	85.7	66.8	54	15.3	35	9.9
Fordham-Riverdale	509	11.6	50.3	19.3	27.9	80.9	11.4	31.6	80.9	61.7	8	15.7	5	9.8
Morrisania	687	18.5	38.1	11.6	52.4	76.9	11.8	46.7	90.7	73.5	11	16.0	5	7.3
Mott Haven	602	20.9	59.8	11.0	35.5	80.1	11.1	58.6	87.2	65.0	9	15.0	7	11.6
Pelham Bay	280	10.2	25.0	4.6	66.4	86.4	15.4	36.1	87.5	53.2	4	14.3	2	7.1
Tremont	955	17.6	47.7	17.5	41.0	74.0	11.5	43.6	87.2	73.7	18	18.8	13	13.6
Westchester	502	11.8	49.2	7.2	41.2	80.9	8.8	36.9	77.7	59.8	4	8.0	3	6.0
BROOKLYN	5,141	11.9	26.2	7.8	58.8	79.9	11.4	26.6	82.1	69.3	75	14.6	47	9.1
Bay Ridge	165	5.2	21.2	13.9	7.3	78.2	10.3	18.8	53.9	47.9	2	12.1	2	12.1
Bedford	777	15.0	5.7	1.9	94.0	79.3	14.2	25.4	94.0	76.7	13	16.7	10	12.9
Brownsville	938	16.4	19.1	3.1	77.1	82.1	12.7	20.3	89.4	74.2	15	16.0	8	8.5
Bushwick	809	18.1	47.2	10.9	44.4	77.0	12.2	32.3	83.2	77.0	11	13.6	6	7.4
Flatbush	696	7.3	9.8	8.5	71.8	81.3	8.9	28.7	79.6	53.6	9	12.9	7	10.1
Fort Greene	526	17.0	22.6	5.3	73.0	77.0	11.0	37.8	90.5	75.5	14	26.6	6	11.4
Gravesend	282	7.9	22.0	5.7	42.2	85.1	12.4	32.6	73.0	45.7	4	14.2	2	7.1
Red Hook-Gowanus	204	12.2	44.6	7.4	44.1	78.9	13.7	19.6	83.3	72.5	3	14.7	3	14.7
Sunset Park	353	10.0	43.1	20.7	8.8	78.5	8.2	14.4	58.1	61.2	3	8.5	2	5.7
Williamsburg-Greenp't	391	12.1	54.5	14.1	19.4	82.1	7.2	27.4	70.8	78.0	1	2.6	1	2.6
QUEENS	2,012	7.8	8.4	17.0	57.3	81.8	11.2	27.5	75.5	43.1	28	13.9	18	8.9
Astoria-L.I.C.	214	6.8	7.9	25.7	37.9	88.3	10.7	34.6	69.2	17.8	2	9.3	2	9.3
Corona	303	6.3	7.6	41.3	29.7	82.8	9.6	39.9	65.0	18.5	3	9.9	3	9.9
Flushing	159	3.5	8.2	30.2	26.4	89.3	9.4	26.4	61.6	23.9	4	25.2	3	18.9
Jamaica East	666	13.0	3.8	5.9	88.3	79.7	14.0	17.6	87.2	54.2	14	21.0	8	12.0
Jamaica West	547	10.4	12.6	11.3	61.4	78.8	10.6	28.2	77.9	58.5	3	5.5	1	1.8
Maspeth-Forest Hills	123	4.2	18.7	10.6	12.2	82.1	6.5	36.6	56.9	43.9	2	16.3	1	8.1
RICHMOND	307	5.5	15.0	3.3	42.3	86.3	7.5	20.2	72.6	54.7	6	19.5	4	13.0
NON-RESIDENTS RESIDENCE UNKNOWN	158	—	—	—	—	—	—	—	—	—	3	—	2	—
	4	—	—	—	—	—	—	—	—	—	—	—	—	—

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

Table 27.

**Live Births to Teenagers by Selected Characteristics
New York City, 1978-1987**

	YEAR									
	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
Total Live Births	106,720	106,021	107,066	108,547	111,487	112,353	113,332	118,542	122,108	127,386
Percent to Teenagers	13.8	13.4	13.2	12.9	12.8	12.4	11.8	11.2	10.8	10.3
Births to Teenagers	14,687	14,259	14,123	14,014	14,276	13,892	13,339	13,304	13,168	13,166
Percent of Births with Specified Characteristic:										
Puerto Rican	29.9	30.1	29.7	30.9	30.0	30.1	29.4	28.6	29.4	29.1
Other Hispanic	7.6	7.5	7.6	7.6	8.9	9.1	9.5	10.3	10.8	12.9
Nonwhite Child	52.7	53.4	55.4	53.9	55.3	54.2	54.5	54.4	53.2	52.1
First Live Birth	77.6	78.3	79.1	80.0	79.8	80.2	80.2	80.1	79.8	80.3
Under 2,500 Grams	12.7	12.8	12.1	11.6	11.3	11.3	11.3	11.2	11.7	11.4
Prenatal Care in First 6 Months of Pregnancy	59.6	60.5	60.7	61.7	59.6	60.3	59.7	59.7	56.2	58.0
Out of Wedlock	74.7	75.2	76.7	78.0	79.0	80.0	81.4	81.7	82.7	82.1
On Medicaid	62.9	61.1	60.7	60.5	59.8	62.6	65.7	66.9	64.2	64.3

Table 28.

**Maternal Risk Factors by Health Center District
of Residence, New York City, 1987**

HEALTH CENTER DISTRICT	Total Live Births	Number of Maternal Risk Factors*			
		None	One	Two	Three
		%	%	%	%
NEW YORK CITY	127,386	48.4	29.9	17.9	3.7
MANHATTAN	20,491	44.8	31.7	19.9	3.7
Central Harlem	2,394	11.3	37.6	42.6	8.5
East Harlem	2,088	30.7	36.3	28.0	5.0
Kips Bay-Yorkville	1,942	80.4	12.8	4.1	2.8
Lower East Side	2,678	54.2	29.6	13.7	2.5
Lower West Side	2,919	60.9	22.2	14.4	2.5
Riverside	2,494	51.6	29.6	15.5	3.3
Washington Heights	5,976	36.5	40.2	20.4	2.9
BRONX	23,423	27.6	37.3	28.5	6.6
Fordham-Riverdale	4,393	36.6	38.6	21.1	3.6
Morrisania	3,707	14.6	38.9	37.5	9.0
Mott Haven	2,881	13.7	33.5	40.9	11.8
Pelham Bay	2,754	41.1	37.3	17.5	4.1
Tremont	5,435	17.6	41.2	33.3	7.9
Westchester	4,253	42.8	32.3	20.7	4.1
BROOKLYN	43,222	44.6	31.9	19.2	4.2
Bay Ridge	3,143	75.8	18.5	4.7	1.0
Bedford	5,187	24.7	38.4	29.9	7.0
Brownsville	5,720	31.0	37.6	26.3	5.1
Bushwick	4,468	28.2	37.2	27.6	7.0
Flatbush	9,584	50.5	32.5	14.3	2.7
Fort Greene	3,098	26.7	33.8	30.8	8.7
Gravesend	3,575	64.0	22.3	11.1	2.6
Red Hook-Gowanus	1,677	47.2	32.1	17.3	3.3
Sunset Park	3,542	62.6	26.5	9.6	1.3
Williamsburg-Greenpoint	3,228	50.7	30.3	15.8	3.2
QUEENS	25,773	57.8	27.8	12.3	2.1
Astoria-Long Island City	3,155	58.6	27.2	12.4	1.9
Corona	4,801	52.8	31.1	14.1	2.0
Flushing	4,508	75.0	19.4	4.7	0.9
Jamaica East	5,139	42.4	36.0	18.6	3.0
Jamaica West	5,246	53.0	29.4	14.6	3.0
Maspeth-Forest Hills	2,924	74.4	18.5	5.8	1.3
RICHMOND	5,565	78.4	14.5	6.1	1.0
NON-RESIDENTS	8,886	84.1	12.4	3.1	0.5
RESIDENCE UNKNOWN	26	34.6	30.8	34.6	—

*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, 1987**

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	61,667	415	6.7	3,615	254	70.3	58,046	156	2.7
One	38,111	537	14.1	4,024	378	93.9	34,074	152	4.5
Two	22,833	506	22.2	3,660	371	101.4	19,160	127	6.6
Three	4,775	111	23.2	689	76	110.3	4,082	32	7.8
Unknown	—	104	—	—	—	—	—	—	—
Total	127,386	1,673	13.1	11,988	1,079	90.0	115,362	467	4.0

*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, 1987

Birth Weight (in Grams)	Live Births			Infant Deaths								
				Under One Year			Under 28 Days			Under 7 Days		
	Total	White	Nonwhite	Total	White	Nonwhite	Total	White	Nonwhite	Total	White	Nonwhite
Less than 500	220	95	125	189	76	113	181	75	106	177	71	106
500-999	979	389	590	538	243	295	471	221	250	424	199	225
1000-1499	1,172	533	639	132	67	65	100	54	46	76	40	36
1500-1999	2,336	1,024	1,312	94	47	47	64	38	26	48	30	18
2000-2499	7,281	3,319	3,962	126	48	78	59	27	32	51	25	26
Less than 2500	11,988	5,360	6,628	1,079	481	598	875	415	460	776	365	411
2500-2999	25,383	12,625	12,758	187	79	108	82	38	44	55	27	28
3000-3499	49,039	28,191	20,848	170	96	74	67	37	30	52	29	23
3500-3999	31,334	20,105	11,229	77	38	39	31	15	16	23	11	12
4000-4499	8,108	5,525	2,583	28	17	11	9	5	4	8	5	3
4500-4999	1,321	884	437	3	3	—	2	2	—	1	1	—
5000 & Over	177	108	69	2	1	1	2	1	1	2	1	1
2500 & Over	115,362	67,438	47,924	467	234	233	193	98	95	141	74	67
Not Stated	36	21	15	23	8	15	23	8	15	23	8	15
Unmatched*				104	48	56	48	26	22	37	20	17
Total	127,386	72,819	54,567	1,673	771	902	1,139	547	592	977	467	510

b) Infant Mortality Rates (per 1,000 live births) by Birth Weight and Color, New York City, 1987

Birth Weight (in Grams)	Under One Year			Under 28 Days			Under 7 Days		
	Total	White	Nonwhite	Total	White	Nonwhite	Total	White	Nonwhite
Less than 500	859.1	**	904.0	822.7	**	848.0	804.5	**	848.0
500-999	549.5	624.7	500.0	481.1	568.1	423.7	433.1	511.6	381.4
1000-1499	112.6	125.7	101.7	85.3	101.3	72.0	64.8	75.0	56.3
1500-1999	40.2	45.9	35.8	27.4	37.1	19.8	20.5	29.3	13.7
2000-2499	17.3	14.5	19.7	8.1	8.1	8.1	7.0	7.5	6.6
Less than 2500	90.0	89.7	90.2	73.0	77.4	69.4	64.7	68.1	62.0
2500-2999	7.4	6.3	8.5	3.2	3.0	3.4	2.2	2.1	2.2
3000-3499	3.5	3.4	3.5	1.4	1.3	1.4	1.1	1.0	1.1
3500-3999	2.5	1.9	3.5	1.0	0.7	1.4	0.7	0.5	1.1
4000-4499	3.5	3.1	4.3	1.1	0.9	1.5	1.0	0.9	1.2
4500-4999	2.3	3.4	—	1.6	2.3	—	0.8	1.1	—
5000 & Over	11.3	9.1	**	11.3	9.3	**	11.3	9.3	**
2500 & Over	4.0	3.5	4.9	1.7	1.5	2.0	1.2	1.1	1.4
Total	13.1	10.6	16.5	8.9	7.5	10.8	7.7	6.4	9.3

*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, 1987

	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	1,673	558	105	275	419	57	259
Race of Child							
White	771	262	52	115	205	28	109
Nonwhite	902	296	53	160	214	29	150
Cause of Death							
Certain gastrointestinal diseases (008-009, 535, 555-558)	4	1	1	—	—	2	—
Acquired immunodeficiency syndrome [AIDS] (042)	36	—	—	16	—	—	20
Pneumonia and influenza (480-487)	26	2	2	7	—	1	14
Congenital anomalies (740-759)	302	94	29	47	66	10	56
Conditions relating to short gestation and unspecified low birth weight (765)	277	148	6	8	106	2	7
Birth trauma (767)	6	5	1	—	—	—	—
Intrauterine hypoxia and birth asphyxia (768)	29	12	3	1	12	—	1
Respiratory distress syndrome (769)	163	72	14	5	61	6	5
Respiratory conditions of newborn (770)	317	145	12	23	110	8	19
Neonatal hemorrhage (772)	37	12	6	3	10	4	2
Other conditions originating in the perinatal period (Rest of 760-779)	133	44	12	14	40	10	13
Sudden infant death syndrome [SIDS] (798.0)	110	1	6	51	—	3	49
Injuries (E800-E999)	39	3	—	19	2	—	15
All other causes	194	19	13	81	12	11	58

Table 32. Live Births, Infant and Maternal Mortality by Mother's Ethnic Group, New York City, 1978-1987

Mother's Ethnic Group*	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
Live Births, Total	106,720	106,021	107,066	108,547	111,487	112,353	113,332	118,542	122,108	127,386
Puerto Rican	19,006	18,169	17,838	18,104	18,289	18,014	17,887	17,961	18,138	18,625
Other Hispanic	10,923	11,484	11,644	12,392	13,704	14,463	15,228	15,758	16,689	19,372
Asian	8,269	8,416	8,327	8,429	8,749	8,947	9,127	9,553	9,894	10,926
Other White	35,779	35,286	35,548	35,516	35,653	35,788	35,405	36,825	37,465	37,558
Other Black	32,578	32,238	32,809	33,429	34,644	34,749	35,212	37,616	39,064	40,020
All Other & Unknown	165	428	900	677	448	392	473	829	858	885
Infant Deaths (Under 1 Year) Total	1,827	1,767	1,719	1,678	1,706	1,603	1,540	1,591	1,566	1,673
Puerto Rican	324	290	280	265	296	244	263	226	240	240
Other Hispanic	122	147	139	133	154	141	133	139	156	182
Asian	91	85	93	80	74	75	76	76	63	65
Other White	505	497	466	439	409	388	363	368	323	350
Other Black	777	739	726	747	762	742	680	758	751	802
All Other & Unknown	8	9	15	14	11	13	25	24	33	34
Infant Mortality Rate (1) Total	17.1	16.7	16.1	15.5	15.3	14.3	13.6	13.4	12.8	13.1
Puerto Rican	17.0	16.0	15.7	14.6	16.2	13.5	14.7	12.6	13.2	12.9
Other Hispanic	11.2	12.8	11.9	10.7	11.2	9.7	8.7	8.8	9.3	9.4
Asian	11.0	10.1	11.2	9.5	8.5	8.4	8.3	8.0	6.4	5.9
Other White	14.1	14.1	13.1	12.4	11.5	10.8	10.3	10.0	8.6	9.3
Other Black	23.9	22.9	22.1	22.3	22.0	21.4	19.3	20.2	19.2	20.0
Neonatal Deaths (Under 28 Days) Total	1,274	1,257	1,203	1,144	1,173	1,070	1,014	1,082	1,078	1,139
Puerto Rican	233	190	187	169	198	166	165	141	157	157
Other Hispanic	96	109	103	88	110	102	97	100	117	134
Asian	68	65	64	58	52	47	53	45	47	42
Other White	366	368	339	318	301	274	267	268	254	251
Other Black	507	518	503	503	506	471	414	513	481	535
All Other & Unknown	4	7	7	8	6	10	18	15	22	20
Neonatal Mortality Rate (1) Total	11.9	11.9	11.2	10.5	10.5	9.5	8.9	9.1	8.8	8.9
Puerto Rican	12.3	10.5	10.5	9.3	10.8	9.2	9.2	7.9	8.7	8.4
Other Hispanic	8.8	9.5	8.8	7.1	8.0	7.1	6.4	6.3	7.0	6.9
Asian	8.2	7.7	7.7	6.9	5.9	5.3	5.8	4.7	4.8	3.8
Other White	10.2	10.4	9.5	9.0	8.4	7.7	7.5	7.3	6.8	6.7
Other Black	15.6	16.1	15.3	15.0	14.6	13.6	11.8	13.6	12.3	13.4
Maternal Deaths, Total	18	27	41	33	37	44	21	30	29	28
Puerto Rican	0	4	9	3	5	3	1	1	4	2
Other Hispanic	3	1	0	4	6	8	3	6	0	4
Asian	2	0	1	1	1	1	0	1	2	6
Other White	3	5	7	6	8	7	4	3	6	3
Other Black	10	17	24	19	16	24	13	15	14	8
All Other & Unknown	0	0	0	0	1	1	0	4	3	5
Maternal Mortality Rate (2) Total	1.7	2.5	3.8	3.0	3.3	3.9	1.9	2.5	2.4	2.2
Puerto Rican	—	2.2	5.0	1.7	2.7	1.7	0.6	0.6	2.2	1.1
Other Hispanic	2.7	0.9	—	3.2	4.4	5.5	2.0	3.8	—	2.1
Asian	2.4	—	1.2	1.2	1.1	1.1	—	1.0	2.0	5.5
Other White	0.8	1.4	2.0	1.7	2.2	2.0	1.1	0.8	1.6	0.8
Other Black	3.1	5.3	7.3	5.7	4.6	6.9	3.7	4.0	3.6	2.0

*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.

Ethnic and race data are drawn from three certificate items: race, descent or origin, and birthplace. Descent or origin 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 1,673 deaths, a rate of 13.1, and the neonatal mortality is 1,139 deaths, a rate of 8.9. By subtraction, the post-neonatal mortality is found to be 534 deaths, with a rate of 4.2.

Trauma deaths include homicide, suicide, accident and injury undetermined whether accidentally or purposely inflicted. A substantial portion of trauma deaths are 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. This is particularly important in the age group under five where over a third of trauma deaths were classified as injury undetermined.

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 2,023 in 1986 to 1,299 in 1987 for this group is due to technical difficulties in the assignment procedure.

The following changes for existing ICD codes were instituted in 1987:

NEW LABEL	OLD LABEL	ICD CODE
Viral hepatitis	Infectious hepatitis	070
Breast, female	Breast	174
Diabetes mellitus	Diabetes	250
Alcohol dependence syndrome	Alcohol dependence	303
Pneumonia and influenza	Influenza and pneumonia	480-487
Chronic liver disease and cirrhosis	Cirrhosis of liver	571
Motor vehicle accidents	Automobile accidents	E810-E825

Table 33.

Cases of Reportable Diseases, New York City, 1940-1987

Year	Pulmonary Tuberculosis	Measles	Scarlet Fever	Chickenpox	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	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

*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, 1980-1987

Sex/Risk Group	1980	1981	1982	1983	1984	1985	1986	1987
Male								
Gay/bisexual†	14	80	424	644	1,059	1,523	2,133	2,087
Intravenous Drug User	4	24	208	305	481	810	1,141	1,387
Other	4	6	31	45	79	94	163	233
Total	22	110	663	994	1,619	2,427	3,437	3,707
Female								
Intravenous Drug User	0	8	31	68	100	166	261	358
Other	0	1	25	43	60	99	170	262
Total	0	9	56	111	160	265	431	620

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

†Excludes intravenous drug users.

HIGHLIGHTS

General Trends

The number of live births increased for the eighth consecutive year; the infant mortality rate rose for the first time in fourteen years, increasing to 13.1 per 1,000 live births. The total mortality rate increased for the fifth consecutive year, to a level of 10.8 deaths per 1,000 population (Table 1). Deaths from AIDS rose by 509, or 19% (Table 12). Tuberculosis deaths increased from 186 in 1986 to 219 in 1987, and tuberculosis became the tenth leading cause of death for the 25-34 year age group (Tables 4, 17).

Mortality

Deaths due to ill-defined conditions and injury undetermined whether accidentally or purposely inflicted increased from 1,578 in 1986 to 2,052 in 1987. Therefore caution should be used in analyzing changes in mortality from specific causes, particularly declines, from 1986 to 1987. Table 17 shows trends for selected causes of death. Motor vehicle deaths in 1987 increased by 21.0% over 1986 and by 43.0% compared to 1983. Deaths due to drug dependence increased by 24.6%; among females aged 25-44 years the increase was 61.5%, from 109 in 1986 to 176 in 1987.

AIDS

Mortality data for AIDS are shown in Tables 3-5, 12 and 13. AIDS was the fourth leading cause of death in the City, advancing from fifth in 1986 (Table 4). For the third consecutive year, AIDS was the leading cause of death among males in the 25-34 and 35-44 year age groups. For the second 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 1987. The mutually exclusive ethnic categories are Puerto Rican, other Hispanic, Asian, other white, other black, all other and unknown. The rate of increase has slowed among other white males and has remained high among other black females. The ratio of male to female AIDS deaths has been declining from 8:1 in 1983 to 5:1 in 1987. Among other blacks, in 1987 this ratio was 3:1 compared to 14:1 among other whites. Male AIDS deaths are concentrated in the 35-44 year age group, with 39.9% in 1987, while among female deaths the concentration is in the 25-34 year age group, with 48.2% in 1987.

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

Natality

Live births increased by 4.3%, from 122,108 in 1986 to 127,386 in 1987. There was a 13.2% increase in births to women aged 40 and over. First births in this age group increased by 18.5%. This was the first year that the number of births to mothers of Puerto Rican descent was surpassed by births to mothers of other Hispanic descents (Table 32). The percentage of infants with birth weights below 2,000 grams varied among ethnic groups (Table 23). Asian mothers had the lowest percentage (1.9%) of such births and other black mothers had the highest (5.8%). Similar differentials were observed with respect to 5-minute Apgar scores and early prenatal care.

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 (48.4%) of live births had none of these risk factors, while 3.7% had all three. There was wide variation by district, with Kips Bay having 80.4% of its births free of all three risk factors compared to Central Harlem with only 11.3% such births.

Teenaged Pregnancy

Tables 20-22 and 25-27 include information on teenaged pregnancies. In 1987, 13,166 or 10.3% of live births were to teenaged mothers. Among teenaged births, 5,172 or 39.3% were to mothers under 18 (Table 22).

Characteristics of births to teenaged mothers and infant mortality by Health Center District of residence in Table 26 can be compared with Table 24, which presents similar data for mothers of all ages. Caution should be used in interpreting infant mortality rates based on small numbers of births, since such rates tend to be unstable.

Infant Mortality

Data on deaths under one year of age are presented in Tables 1, 4, 12, 24, 26, 29 and 30-33. The infant mortality rate rose for the first time since 1973 (Table 12). The infant mortality rate was 14.4 per 1,000 live births for males and 11.8 for females. The mortality rate for deaths under seven days of age was 8.6 for males and 6.7 for females (Table 31). Central Harlem, Fort Greene and Jamaica East had the highest infant mortality rates in the City (Table 24).

Tables which present infant mortality by birth characteristics are based on a file that links birth and infant death records for all infant deaths which occurred in 1987. Matching birth certificates were identified for 94% of these infant deaths.

Infant mortality by maternal ethnic group is shown in Table 32. The maternal ethnic group is based on descent 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. For prior editions of the Summary, only the race item on the death certificate was used in such cases. In this year's Summary, descent as well as race is used. Revised data for 1978-1986 are shown for comparability. The impact of this revision is to decrease the infant mortality rate for other whites and to increase rates for the remaining ethnic groups.

Over the ten-year period there has been a 23.4% decline in the infant mortality rate. Each ethnic group experienced a decline. Asians, who already had the lowest infant mortality rate in 1978 (11.0), had the most dramatic decline (46.4%) to a rate of 5.9 per 1,000 live births in 1987. The smallest declines occurred in the other Hispanic (16.1%) and other black (16.3%) groups. Data for other blacks did not appear separately in prior editions of the Summary. There has been a decrease in the differential between Puerto Rican and other Hispanic infant mortality. The Puerto Rican group had an infant mortality rate 51.8% higher than the other Hispanic group in 1978 and 37.2% higher in 1987.

As seen in Table 30, for each birth weight category under 2,500 grams the non-white population had a lower infant mortality rate than the white group. For births of 2,500 grams or more the white group had a lower infant mortality rate than the non-white group. The difference in overall infant mortality between whites and non-whites reflects the difference in birth weight distributions; among whites, 7.4% of infants weighed below 2,500 grams at birth, compared to 12.1% for the non-white group.

Table 29 presents infant mortality by birth weight and number of maternal risk factors as defined in Table 28. City-wide those with none of the three risk factors had an infant mortality rate of 6.7 per 1,000 live births. Those with all three had a rate more than three times as high, 23.2. The gradient was not as steep for births under 2,500 grams. Only 5.9% of births with no risk factors were of low birth weight, compared to 14.4% of births with the three risk factors. Those with the three factors present accounted for 3.7% of births and 6.6% of infant deaths.

Additions in 1987

Chief causes of death are shown separately for decedents aged 45-54 and 55-64 (Table 4). Deaths from Chronic Obstructive Pulmonary Diseases are presented by Health Center District of residence (Table 5). Descent or origin groups are shown in greater detail (Tables 7, 19, 25). Birth weight categories now separate those under 500 grams and those 500-999 grams (Tables 22, 23 and 30). Tables 12, 23, 27-29 and 31 are new this year.