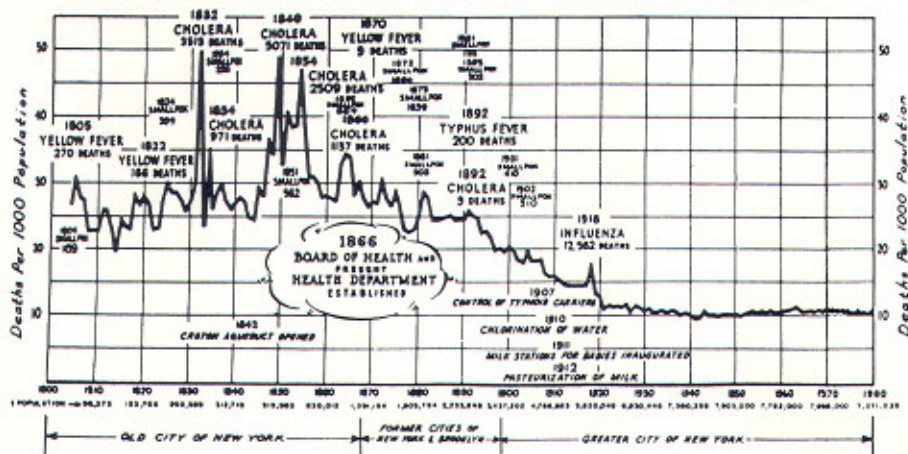


# SUMMARY OF VITAL STATISTICS 1989

## 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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In Memoriam  
JEAN C. LEE, M.S.  
Director of Biostatistics



**Table 1. Population, Births, Marriages, Deaths and Infant Mortality, New York City, 1898-1989**

YEAR	Estimated Population July 1	AVERAGE NUMBER							
		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
1989	7,071,000	137,673	19.5	69,758	9.9	75,957	10.7	1,827	13.5

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 1989 by Age, Race and Sex  
New York City**

AGE IN YEARS	1980 POPULATION BY AGE, RACE AND SEX					DEATHS IN 1989 BY AGE, RACE 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	75,957	26,925	25,786	11,261	8,825	1,757	1,403
Under 5	470,694	145,694	139,026	93,632	92,342	2,069	461	356	509	424	181	138
5-9	447,327	139,274	132,388	88,532	87,133	118	36	25	33	20	3	1
10-14	506,283	156,269	150,495	99,639	99,880	131	40	31	36	20	3	1
15-19	563,492	173,239	173,646	105,921	110,686	147	162	52	188	43	6	6
20-24	603,893	196,109	215,843	85,329	106,612	961	366	111	347	108	19	10
25-29	631,050	214,912	227,057	84,030	105,051	1,632	670	216	505	192	33	16
30-34	572,117	190,654	200,661	80,365	100,437	2,548	1,033	337	735	338	76	29
35-39	450,735	142,784	153,181	67,605	87,165	3,040	1,241	345	899	399	109	47
40-44	382,820	119,731	130,642	59,308	73,139	2,769	1,145	340	823	333	98	30
45-49	360,104	117,227	131,845	49,145	61,887	2,682	1,078	395	705	368	93	43
50-54	392,990	132,323	154,581	45,463	60,623	3,013	1,075	565	781	438	100	54
55-59	393,169	134,444	163,317	41,077	54,331	3,772	1,414	858	815	490	123	72
60-64	345,233	119,223	151,891	30,527	43,592	5,409	2,041	1,400	959	741	162	106
65-69	316,596	107,135	149,764	23,393	36,304	6,835	2,584	1,919	1,098	932	170	132
70-74	253,923	83,706	129,534	15,565	25,118	7,662	2,894	2,586	896	957	174	155
75-79	189,629	59,217	103,392	9,856	17,164	9,081	3,374	3,657	796	930	159	165
80-84	114,252	34,310	66,231	4,803	8,908	9,256	3,356	4,258	558	809	121	154
85 & over	77,332	21,738	46,211	2,959	6,424	14,522	3,955	8,335	578	1,283	127	244



Table 3.

Deaths by Cause and Borough of Residence  
New York City, 1989

CAUSE OF DEATH	Total	Borough of Residence							
		Manhattan	Bronx	Brooklyn	Queens	Richmond	Res. of Inst.	Non-Res. of City	Residence Unknown
Total All Causes	75,957	14,948	11,719	21,783	17,422	3,190	1,489	4,501	905
1. Total tuberculosis (010-018)	236	65	31	94	28	—	4	7	7
Respiratory tuberculosis (010-012)	173	47	21	72	19	—	3	5	6
Other forms (013-018)	63	18	10	22	9	—	1	2	1
2. Septicemia (038)	1,035	272	206	259	177	40	16	55	30
3. Acquired immunodeficiency syndrome (042)	4,193	1,611	730	992	452	78	29	240	61
4. Other HIV infections (043-044)	89	23	28	25	7	3	—	1	2
5. Viral hepatitis (070)	34	6	10	7	7	1	—	2	1
6. Pneumocystosis (136.3)	182	49	31	69	25	4	—	4	—
7. Other infective and parasitic diseases (Rest of 001-139)	258	76	49	65	42	5	2	16	3
8. Malignant neoplasms, all (140-208)	15,208	2,933	2,079	4,131	3,651	772	118	1,470	54
Lip, oral cavity, and pharynx (140-149)	282	52	51	80	61	12	5	19	2
Digestive organs and peritoneum (150-159)	4,289	841	617	1,225	1,047	193	36	320	10
Stomach (151)	657	112	103	206	159	26	9	39	3
Colon (153)	1,633	315	228	442	434	73	18	119	4
Rectum (154)	212	29	27	69	55	13	—	19	—
Liver, bile duct, gallbladder (155-156)	514	108	75	161	110	23	—	32	1
Pancreas (157)	834	168	114	236	193	43	3	76	1
Respiratory system (160-165)	3,677	684	492	1,009	919	227	22	300	24
Trachea, bronchus and lung (162)	3,468	645	467	939	883	214	21	276	23
Kaposi's sarcoma (173.9)	27	9	5	5	2	1	—	5	—
Breast and genito-urinary organs (174, 179-189)	3,746	743	509	984	921	191	37	353	8
Breast, female (174)	1,545	330	201	393	394	68	20	135	4
Cervix uteri (180)	127	24	22	35	31	6	—	9	—
Ovary and other urinary adnexa (183)	378	71	46	100	85	19	3	54	—
Prostate (185)	837	176	130	218	206	43	10	54	—
Bladder and other urinary organs (188-189)	612	97	76	164	160	40	3	69	3
Other and unspecified sites (Rest of 140-199)	1,720	316	229	459	399	91	10	208	8
Lymphatic and hematopoietic tissues (200-208)	1,467	288	176	369	302	57	8	265	2
Leukemia and leukemias (204-208)	561	98	64	129	107	24	4	135	—
9. Benign and unspecified neoplasms (210-239)	288	58	29	69	60	19	2	51	—
10. Diabetes mellitus (250)	997	186	172	320	215	38	23	30	13
11. Alcohol dependence syndrome (303)	431	133	63	142	45	4	4	6	34
12. Drug dependence (304)	591	146	104	154	71	8	4	57	47
12a. Drug dependence & accidental drug poisoning*	1,020	223	179	295	125	20	35	62	81
13. Diseases of the nervous system (320-389)	727	143	125	207	156	35	11	48	2
14. Total cardiovascular diseases (390-459)	32,665	5,471	4,759	9,570	8,673	1,488	1,012	1,496	196
Cerebrovascular diseases (430-438)	2,893	585	413	873	707	127	56	127	5
Diseases of the heart (393-398, 402, 404-429)	28,391	4,776	4,477	8,494	7,794	1,381	831	455	183
Chronic rheumatic heart disease (393-398)	100	20	15	27	19	8	3	8	—
Ischemic heart disease (410-414)	21,453	2,973	3,051	6,304	6,174	1,036	827	976	112
Other forms of heart disease (420-429)	5,807	1,322	897	1,697	1,242	240	93	261	55
Hypertensive disease (401-404)	314	60	51	120	65	6	5	6	1
Atherosclerosis (440)	367	74	46	72	124	17	15	16	3
15. Pneumonia and influenza (480-487)	3,397	686	558	999	726	143	109	145	31
16. Chronic obstructive pulmonary diseases, all (490-496)	1,582	328	216	446	397	99	30	44	22
Bronchitis, emphysema, asthma (490-493)	484	103	83	162	103	12	3	11	7
17. Ulcer of stomach and duodenum (531-533)	243	67	42	67	41	8	1	10	7
18. Appendicitis (540-543)	22	3	3	9	2	2	—	—	—
19. Intestinal obstruction and hernia (550-553, 560)	143	24	27	38	39	7	2	6	—
20. Chronic liver disease and cirrhosis (571)	1,086	227	204	293	227	47	7	50	31
21. Nephritis, nephrotic syndrome and nephrosis (580-589)	970	192	142	306	229	45	9	40	7
22. Hyperplasia of prostate (600)	11	3	1	5	1	—	—	—	—
23. Complications of pregnancy, childbirth and the puerperium (630-676)	29	6	4	13	6	—	—	—	—
24. Congenital anomalies (740-759)	387	64	61	124	63	13	1	60	1
25. Certain conditions originating in the perinatal period (760-779)	1,137	157	241	427	188	31	—	79	14
26. Ill-defined (780-799)	766	129	111	309	132	17	9	32	27
27. All other diseases	4,148	945	761	1,114	867	148	64	214	35
28. Total accidents (E800-E949)	2,243	379	343	660	469	83	16	171	122
Accidental drug poisoning*	429	76	74	140	53	11	13	27	35
Motor vehicle accidents (E810-E825)	663	83	100	177	170	40	1	64	28
Home accidents	752	155	113	242	189	20	10	13	10
29. Suicide and self-inflicted injuries (E950-E959)	703	177	125	173	135	24	3	44	22
30. Homicide (E960-E975, E990-E999)	1,970	352	442	652	262	24	10	112	116
31. Injury undetermined whether accidentally or purposely inflicted (E980-E989)	186	34	22	44	29	3	3	11	40

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

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

Figure 1.

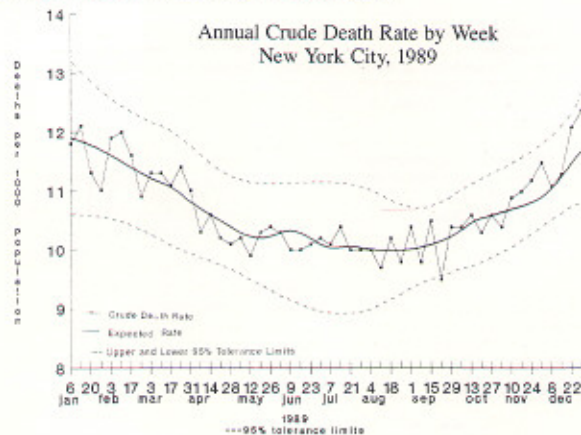


Table 4.

**Chief Causes of Death in Specified Age Groups by Sex\***  
New York City, 1989

Males		ALL AGES	Females	
Deaths	Percent		Deaths	Percent
13,109	32.8	Heart Diseases .....	15,282	42.4
7,597	19.0	Malignant Neoplasms .....	7,611	21.1
3,488	8.7	Acquired Immunodeficiency Syndrome (AIDS) .....	705	2.0
1,627	4.1	Pneumonia and Influenza .....	1,770	4.9
1,176	2.9	Cerebrovascular Disease .....	1,717	4.8
1,672	4.2	Homicide .....	298	0.8
1,174	2.9	Accidents Except Drug Poisoning .....	640	1.8
836	2.1	Chronic Obstructive Pulmonary Diseases .....	746	2.1
761	1.9	Chronic Liver Disease and Cirrhosis .....	325	0.9
499	1.2	Septicemia .....	536	1.5
8,004	20.0	All Other Causes .....	6,384	17.7
39,943	100.0	Total .....	36,014	100.0
<b>UNDER 1 YEAR</b>				
220	21.7	Other Conditions of Perinatal Period .....	169	20.8
159	15.7	Congenital Anomalies .....	133	16.4
116	11.4	Immaturity .....	95	11.7
99	9.8	Respiratory Distress Syndrome .....	82	10.1
90	8.9	Sudden Infant Death Syndrome .....	53	6.5
75	7.4	Respiratory Conditions of Newborn .....	62	7.6
22	2.2	Perinatal Disorders of Digestive System .....	17	2.1
18	1.8	Asphyxia .....	18	2.2
18	1.8	Acquired Immunodeficiency Syndrome (AIDS) .....	16	2.0
21	2.1	Infections Specific to Perinatal Period .....	13	1.6
177	17.4	All Other Causes .....	154	19.0
1,015	100.0	Total .....	812	100.0
<b>1 TO 14 YEARS</b>				
72	25.1	Accidents Except Drug Poisoning .....	40	19.6
24	8.4	Congenital Anomalies .....	26	12.7
25	8.7	Malignant Neoplasms .....	22	10.8
28	9.8	Acquired Immunodeficiency Syndrome (AIDS) .....	18	8.8
18	6.3	Homicide .....	21	10.3
22	7.7	Diseases of Nervous System .....	10	4.9
15	5.2	Heart Diseases .....	12	5.9
7	2.4	Chronic Obstructive Pulmonary Diseases .....	3	1.5
6	2.1	Pneumonia and Influenza .....	3	1.5
5	1.7	Other Infective & Parasitic Diseases .....	2	1.0
65	22.6	All Other Causes .....	47	23.0
287	100.0	Total .....	204	100.0
<b>15 TO 24 YEARS</b>				
571	52.5	Homicide .....	64	19.4
128	11.8	Accidents Except Drug Poisoning .....	36	10.9
57	5.2	Malignant Neoplasms .....	43	13.0
57	5.2	Acquired Immunodeficiency Syndrome (AIDS) .....	34	10.3
73	6.7	Suicide .....	16	4.8
50	4.6	Drug Dependence & Accidental Drug Poisoning .....	20	6.1
23	2.1	Heart Diseases .....	17	5.2
17	1.6	Diseases of Nervous System .....	10	3.0
9	0.8	Congenital Anomalies .....	5	1.5
8	0.7	Pneumonia and Influenza .....	5	1.5
95	8.7	All Other Causes .....	80	24.2
1,088	100.0	Total .....	330	100.0
<b>25 TO 34 YEARS</b>				
963	31.6	Acquired Immunodeficiency Syndrome (AIDS) .....	294	26.1
615	20.2	Homicide .....	92	8.2
289	9.5	Drug Dependence & Accidental Drug Poisoning .....	91	8.1
210	6.9	Accidents Except Drug Poisoning .....	36	3.2
111	3.6	Malignant Neoplasms .....	117	10.4
113	3.7	Heart Diseases .....	71	6.3
116	3.8	Suicide .....	36	3.2
73	2.4	Pneumonia and Influenza .....	46	4.1
42	1.4	Chronic Liver Disease and Cirrhosis .....	13	1.2
37	1.2	Tuberculosis .....	15	1.3
483	15.8	All Other Causes .....	317	28.1
3,052	100.0	Total .....	1,128	100.0

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

Note: Totals may not equal 100.0% due to rounding.



Deaths	Percent		Deaths	Percent
1,517	35.2	Acquired Immunodeficiency Syndrome (AIDS)	261	17.5
286	6.6	Malignant Neoplasms	337	22.6
408	9.5	Heart Diseases	165	11.0
340	7.9	Drug Dependence & Accidental Drug Poisoning	92	6.2
245	5.7	Homicide	39	2.6
193	4.5	Chronic Liver Disease and Cirrhosis	48	3.2
151	3.5	Pneumonia and Influenza	53	3.5
148	3.4	Accidents Except Drug Poisoning	34	2.3
119	2.8	Suicide	46	3.1
74	1.7	Cerebrovascular Disease	51	3.4
834	19.3	All Other Causes	368	24.6
4,315	100.0	Total	1,494	100.0

## 45 TO 54 YEARS

694	18.1	Malignant Neoplasms	733	39.3
876	22.9	Heart Diseases	378	20.3
641	16.7	Acquired Immunodeficiency Syndrome (AIDS)	54	2.9
199	5.2	Chronic Liver Disease and Cirrhosis	63	3.4
107	2.8	Cerebrovascular Disease	98	5.3
124	3.2	Accidents Except Drug Poisoning	38	2.0
112	2.9	Pneumonia and Influenza	43	2.3
112	2.9	Homicide	21	1.1
97	2.5	Alcohol Dependence	24	1.3
90	2.3	Drug Dependence & Accidental Drug Poisoning	11	0.6
780	20.4	All Other Causes	400	21.5
3,832	100.0	Total	1,863	100.0

## 55 TO 64 YEARS

2,002	36.3	Heart Diseases	1,163	31.7
1,562	28.3	Malignant Neoplasms	1,408	38.4
179	3.2	Cerebrovascular Disease	147	4.0
170	3.1	Chronic Liver Disease and Cirrhosis	83	2.3
221	4.0	Acquired Immunodeficiency Syndrome (AIDS)	16	0.4
131	2.4	Pneumonia and Influenza	95	2.6
140	2.5	Accidents Except Drug Poisoning	49	1.3
97	1.8	Chronic Obstructive Pulmonary Diseases	82	2.2
83	1.5	Diabetes Mellitus	90	2.5
73	1.3	Nephritis and Nephrosis	51	1.4
856	15.5	All Other Causes	483	13.2
5,514	100.0	Total	3,667	100.0

## 65 TO 74 YEARS

3,222	41.2	Heart Diseases	2,608	39.0
2,298	29.4	Malignant Neoplasms	2,098	31.4
289	3.7	Cerebrovascular Disease	328	4.9
261	3.3	Pneumonia and Influenza	199	3.0
223	2.9	Chronic Obstructive Pulmonary Diseases	202	3.0
130	1.7	Diabetes Mellitus	153	2.3
127	1.6	Accidents Except Drug Poisoning	92	1.4
104	1.3	Nephritis and Nephrosis	96	1.4
92	1.2	Septicemia	87	1.3
109	1.4	Chronic Liver Disease and Cirrhosis	68	1.0
961	12.3	All Other Causes	750	11.2
7,816	100.0	Total	6,681	100.0

## 75 TO 84 YEARS

3,969	47.5	Heart Diseases	5,001	50.1
1,898	22.7	Malignant Neoplasms	1,954	19.6
455	5.4	Pneumonia and Influenza	513	5.1
296	3.5	Cerebrovascular Disease	539	5.4
274	3.3	Chronic Obstructive Pulmonary Diseases	246	2.5
125	1.5	Accidents Except Drug Poisoning	152	1.5
139	1.7	Nephritis and Nephrosis	132	1.3
110	1.3	Septicemia	147	1.5
87	1.0	Diabetes Mellitus	164	1.6
79	0.9	Diseases of Nervous System	94	0.9
932	11.1	All Other Causes	1,031	10.3
8,364	100.0	Total	9,973	100.0

## 85 AND OVER

2,472	53.0	Heart Diseases	5,861	59.4
666	14.3	Malignant Neoplasms	896	9.1
418	9.0	Pneumonia and Influenza	801	8.1
192	4.1	Cerebrovascular Disease	525	5.3
79	1.7	Septicemia	183	1.9
123	2.6	Chronic Obstructive Pulmonary Diseases	125	1.3
85	1.8	Accidents Except Drug Poisoning	154	1.6
67	1.4	Nephritis and Nephrosis	130	1.3
42	0.9	Atherosclerosis	106	1.1
38	0.8	Diabetes Mellitus	107	1.1
478	10.3	All Other Causes	974	9.9
4,660	100.0	Total	9,862	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		Heart Diseases		Malignant Neoplasms		AIDS		Pneumonia and Influenza		Cerebro-vascular Disease	
		No.	Rate (1)	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
NEW YORK CITY	7,071,030	75,957	10.7	28,391	401.5	15,208	215.1	4,193	59.3	3,397	48.0	2,893	40.9
KNOWN RESIDENTS	†	69,062	†	25,989	†	13,566	†	3,863	†	3,112	†	2,705	†
MANHATTAN	1,427,533	14,948	10.5	4,599	332.2	2,933	205.5	1,611	112.9	686	48.1	585	41.0
Central Harlem	121,995	2,153	17.6	560	459.0	380	311.5	173	141.8	97	79.5	72	59.0
East Harlem	124,812	1,421	11.4	414	331.7	220	176.3	135	108.2	68	54.5	50	40.1
Kips Bay-Yorkville	231,749	1,939	8.4	714	308.1	504	217.5	122	52.6	89	38.4	84	36.2
Lower East Side	229,389	2,482	10.8	771	336.1	470	204.9	263	114.7	130	56.7	101	44.0
Lower West Side	271,294	2,874	10.6	845	311.5	566	208.6	558	205.7	110	40.5	116	42.8
Riverside	206,562	1,920	9.3	622	301.1	356	172.3	236	114.3	108	52.3	78	37.8
Washington Heights	241,732	2,159	8.9	673	278.4	437	180.8	124	51.3	84	34.7	84	34.7
BRONX	1,169,115	11,719	10.0	4,124	352.7	2,079	177.8	730	62.4	558	47.7	413	35.3
Fordham-Riverdale	234,781	2,594	11.0	1,084	461.7	466	198.5	132	56.2	143	60.9	94	40.0
Morrisania	134,388	1,445	10.8	377	280.5	201	149.6	119	88.5	75	55.8	49	36.5
Mott Haven	124,080	1,081	8.7	266	214.4	160	128.9	109	87.8	30	24.2	29	23.4
Pelham Bay	219,609	2,503	11.4	1,029	468.6	494	224.9	80	36.4	146	66.5	93	42.3
Tremont	172,959	1,320	7.7	305	176.3	196	113.3	159	91.9	38	22.0	42	24.3
Westchester	283,298	2,766	9.8	1,063	375.2	562	198.4	131	46.2	126	44.5	106	37.4
BROOKLYN	2,231,028	21,783	9.8	8,339	373.8	4,131	185.2	992	44.5	999	44.8	873	39.1
Bay Ridge	249,112	2,649	10.6	1,309	525.5	560	224.8	40	16.1	100	40.1	86	34.5
Bedford	208,653	2,354	11.3	630	301.9	405	194.1	136	65.2	113	54.2	134	64.2
Brownsville	271,217	2,395	8.8	796	293.5	472	174.0	126	46.5	106	39.1	81	29.9
Bushwick	166,609	1,475	8.9	416	249.7	217	130.2	128	76.8	56	33.6	64	38.4
Flatbush	479,533	4,101	8.6	1,666	347.4	814	169.7	120	25.0	199	41.5	170	35.5
Fort Greene	146,739	1,621	11.0	442	301.2	257	175.1	160	109.0	85	57.9	80	54.5
Gravesend	287,940	3,553	12.3	1,687	585.9	755	262.2	62	21.5	173	60.1	117	40.6
Red Hook-Gowanus	114,345	1,008	8.8	367	321.0	173	151.3	83	72.6	46	40.2	36	31.5
Sunset Park	164,477	1,379	8.4	593	360.5	262	159.3	49	29.8	54	32.8	59	35.9
Williamsburg-Greenpoint	142,403	1,248	8.8	433	304.1	216	151.7	88	61.8	67	47.0	46	32.3
QUEENS	1,891,325	17,422	9.2	7,616	402.7	3,651	193.0	452	23.9	726	38.4	707	37.4
Astoria	238,858	2,132	8.9	883	369.7	497	208.1	70	29.3	79	33.1	77	32.2
Corona	263,235	2,094	8.0	787	299.0	424	161.1	80	30.4	90	34.2	100	38.0
Flushing	442,164	3,691	8.3	1,789	404.6	845	191.1	45	10.2	151	34.2	122	27.6
Jamaica East	322,261	2,829	8.8	984	305.3	590	183.1	125	38.8	122	37.9	134	41.6
Jamaica West	348,656	3,742	10.7	1,841	528.0	635	182.1	87	25.0	137	39.3	131	37.6
Maspeth-Forest Hills	276,151	2,934	10.6	1,332	482.3	660	239.0	45	16.3	147	53.2	143	51.8
RICHMOND	352,029	3,190	9.1	1,311	372.4	772	219.3	78	22.2	143	40.6	127	36.1
RESIDENTS OF INSTITUTIONS	—	1,489	—	933	—	118	—	29	—	109	—	56	—
NON-RESIDENTS	—	4,501	—	1,286	—	1,470	—	240	—	145	—	127	—
RESIDENCE UNKNOWN	—	905	—	183	—	54	—	61	—	31	—	5	—

(1) Rate per 1,000 population.

† 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, 1989

Borough of Residence	Total	Borough of Occurrence				
		Manhattan	Bronx	Brooklyn	Queens	Richmond
Manhattan	14,948	13,890	762	129	134	33
Bronx	11,719	1,353	10,186	72	96	12
Brooklyn	21,783	1,976	255	18,739	586	227
Queens	17,422	1,784	533	790	14,288	27
Richmond	3,190	168	13	90	18	2,901
Residents of Institutions	1,489	345	510	273	240	121
Non-Residents of City	4,501	2,099	936	299	1,077	90
Residence Unknown	905	403	208	149	134	11
Total	75,957	22,018	13,403	20,541	16,573	3,422



By Health Center District of Residence, New York City, 1989

Chronic Obstructive Pulmonary Diseases		Chronic Liver Disease & Cirrhosis		Diabetes Mellitus		Drug Dependence & Accidental Drug Poisoning		Accidents Except Drug Poisoning		Suicide		Homicide		Injury Undetermined	
No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
1,582	22.4	1,086	15.4	997	14.1	1,020	14.4	1,814	25.7	703	9.9	1,970	27.9	186	2.6
1,486	†	998	†	931	†	835	†	1,582	†	634	†	1,732	†	132	†
328	23.0	227	15.9	186	13.0	222	15.6	303	21.2	177	12.4	352	24.7	34	2.4
24	19.7	37	30.3	41	33.6	64	52.5	55	45.1	16	13.1	78	63.9	9	7.4
44	35.3	25	20.0	20	16.0	35	28.0	35	28.0	13	10.4	50	40.1	5	4.0
39	16.8	25	10.8	16	6.9	3	1.3	35	15.1	24	10.4	8	3.5	1	0.4
74	32.3	38	16.6	34	14.8	42	18.3	53	23.1	33	14.4	43	18.7	5	2.2
63	23.2	50	18.4	21	7.7	19	7.0	40	14.7	45	16.6	23	8.5	6	2.2
37	17.9	19	9.2	12	5.8	31	15.0	25	12.1	23	11.1	38	18.4	4	1.9
47	19.4	33	13.7	42	17.4	28	11.6	60	24.8	23	9.5	112	46.3	4	1.7
216	18.5	204	17.4	172	14.7	178	15.2	269	23.0	125	10.7	442	37.8	22	1.9
52	22.1	31	13.2	26	11.1	19	8.1	48	20.4	29	12.4	64	27.3	2	0.9
30	22.3	34	25.3	32	23.8	28	20.8	43	32.0	12	8.9	85	63.2	3	2.2
25	20.1	34	27.4	22	17.7	35	28.2	34	27.4	8	6.4	71	57.2	5	4.0
39	17.8	22	10.0	37	16.8	22	10.0	49	22.3	21	9.6	46	20.9	1	0.5
16	9.3	27	15.6	23	13.3	38	22.0	36	20.8	24	13.9	123	71.1	6	3.5
54	19.1	56	19.8	32	11.3	36	12.7	59	20.8	31	10.9	53	18.7	5	1.8
446	20.0	293	13.1	320	14.3	292	13.1	522	23.4	173	7.8	652	29.2	44	2.0
60	24.1	26	10.4	27	10.8	14	5.6	47	18.9	21	8.4	23	9.2	2	0.8
42	20.1	40	19.2	65	31.2	52	24.9	60	28.8	11	5.3	108	51.8	6	2.9
43	15.9	32	11.8	36	13.3	42	15.5	69	25.4	18	6.6	140	51.6	6	2.2
37	22.2	37	22.2	20	12.0	54	32.4	36	21.6	15	9.0	92	55.2	7	4.2
76	15.8	46	9.6	62	12.9	24	5.0	101	21.1	37	7.7	102	21.3	6	1.3
24	16.4	34	23.2	30	20.4	33	22.5	38	25.9	5	3.4	93	63.4	3	2.0
80	27.8	27	9.4	48	16.7	18	6.3	64	22.2	29	10.1	24	8.3	6	2.1
20	17.5	11	9.6	7	6.1	22	19.2	8	7.0	8	7.0	23	20.1	3	2.6
32	19.5	22	13.4	15	9.1	11	6.7	46	28.0	13	7.9	18	10.9	1	0.6
32	22.5	18	12.6	10	7.0	22	15.4	39	27.4	16	11.2	29	20.4	4	2.8
397	21.0	227	12.0	215	11.4	124	6.6	416	22.0	135	7.1	262	13.9	29	1.5
48	20.1	32	13.4	28	11.7	18	7.5	59	24.7	19	8.0	20	8.4	2	0.8
46	17.5	35	13.3	26	9.9	23	8.7	54	20.5	21	8.0	47	17.9	5	1.9
80	18.1	34	7.7	45	10.2	16	3.6	71	16.1	38	8.6	24	5.4	5	1.1
55	17.1	46	14.3	41	12.7	28	8.7	76	23.6	11	3.4	96	29.8	7	2.2
101	29.0	41	11.8	50	14.3	25	7.2	95	27.2	25	7.2	58	16.6	7	2.0
67	24.3	39	14.1	25	9.1	14	5.1	61	22.1	21	7.6	17	6.2	3	1.1
99	28.1	47	13.4	38	10.8	19	5.4	72	20.5	24	6.8	24	6.8	3	0.9
30	—	7	—	23	—	6	—	14	—	3	—	10	—	3	—
44	—	50	—	30	—	97	—	131	—	44	—	112	—	11	—
22	—	31	—	13	—	82	—	87	—	22	—	116	—	40	—

Table 7. Deaths by Ancestry and Borough of Residence, New York City, 1989

Ancestry	Total	Borough of Residence					Residents of Institutions	Non-Residents of City	Residence Unknown
		Manhattan	Bronx	Brooklyn	Queens	Richmond			
Puerto Rican	5,233	1,274	1,989	1,449	334	34	52	85	16
Dominican	671	324	165	76	82	1	8	13	2
Colombian	212	30	9	25	125	5	1	16	1
Ecuadorian	143	32	25	19	60	1	1	5	—
Mexican	79	22	21	14	15	1	—	1	—
Cuban	447	162	53	58	141	2	12	19	—
Other Hispanic	2,160	482	488	558	384	25	23	87	113
American	21,265	4,152	2,334	5,442	5,307	1,424	416	2,157	33
Haitian	419	30	3	272	102	—	2	10	—
Guyanese	202	10	21	88	77	1	2	2	1
Jamaican	348	20	96	160	51	2	4	15	—
Other North, Central and South American	1,084	134	156	531	177	18	14	51	3
European	20,223	2,448	2,661	5,804	6,298	1,295	589	1,109	19
Chinese	872	423	20	189	188	18	4	28	2
Indian	137	12	11	18	71	4	1	20	—
Korean	140	9	6	14	89	12	1	9	—
Filipino	113	24	10	14	45	12	—	8	—
Other Asian	1,026	128	68	468	244	10	20	86	2
African	15,630	3,815	2,893	5,315	2,732	212	143	446	74
Not stated	5,553	1,417	690	1,269	900	113	196	330	638
Total	75,957	14,948	11,719	21,783	17,422	3,190	1,489	4,501	905



**Table 8. Deaths from Accidents By Age, New York City, 1989**

Type	All Ages	0-4	5-14	15-24	25-44	45-54	55-64	65-74	75 and over
Total	2,243	68	68	206	764	200	195	226	516
Work	30	—	—	1	19	4	6	—	—
Accidental drug poisoning	429	—	—	42	336	38	6	7	—
Home	752	51	23	35	100	38	74	103	328
Poisoning (gas excepted)	20	—	—	1	5	7	3	—	4
Poisoning by gas and vapors	6	—	—	—	1	—	3	1	1
Falls	436	9	3	14	44	21	37	59	249
Fire and flames	166	23	16	10	34	7	18	27	31
Suffocation	71	12	1	2	1	1	6	10	38
Other home accidents	53	7	3	8	15	2	7	6	5
Motor Vehicle	663	10	33	102	200	61	67	79	111
Injury to pedestrian	396	8	28	25	105	34	44	55	97
Collision with other motor vehicle	89	—	—	21	35	8	8	11	6
Collision with fixed object	54	1	—	22	20	7	1	2	1
Non-collision	7	—	—	4	1	1	1	—	—
Other motor vehicle accidents	117	1	5	30	39	11	13	11	7
Public Non-Motor Vehicle	362	6	12	26	104	59	42	36	77
Railroad and subway	50	—	2	8	27	4	6	3	—
Water transportation	1	—	—	—	1	—	—	—	—
Falls	139	—	—	4	29	19	14	15	58
Fire and flames	16	—	—	1	5	6	2	1	1
Drowning	35	1	6	8	8	5	4	2	1
Other public non-motor vehicle accidents	121	5	4	5	34	25	15	14	17
Unknown	7	1	—	—	5	—	—	1	—

**Table 9. Deaths from Suicides By Age, New York City, 1989**

Method	All Ages	0-4	5-14	15-24	25-44	45-54	55-64	65-74	75 and over
Total	703	—	2	89	317	90	89	48	68
Poisoning by solid or liquid substances	134	—	1	9	64	21	21	7	11
Poisoning by gases and vapors	9	—	—	—	5	1	2	1	—
Hanging, strangulation and suffocation	163	—	1	22	58	16	24	19	23
Submersion (drowning)	16	—	—	1	7	3	2	3	—
Firearms and explosives	131	—	—	32	55	21	15	4	4
Cutting and piercing instruments	22	—	—	1	10	3	3	—	5
Jumping from high place	180	—	—	19	90	17	18	13	23
Late effects	1	—	—	—	1	—	—	—	—
Other and unspecified means	47	—	—	5	27	8	4	1	2

**Table 10. Deaths from Homicides By Age, New York City, 1989**

Method	All Ages	0-4	5-14	15-24	25-44	45-54	55-64	65-74	75 and over
Total	1,970	27	28	635	991	133	72	58	26
Fight, brawl and rape	6	—	1	1	1	1	2	—	—
Hanging and strangulation	46	1	2	4	26	3	3	5	2
Submersion (drowning)	2	1	—	—	—	—	—	1	—
Firearms and explosives	1,393	1	18	535	712	77	28	20	2
Cutting and piercing instruments	332	—	4	67	177	32	26	16	10
Child battering	8	7	1	—	—	—	—	—	—
Late effects	2	—	—	—	1	—	1	—	—
Legal intervention	7	—	—	2	4	—	1	—	—
Other and unspecified means	174	17	2	26	70	20	11	16	12

**Table 11. Deaths from Injury Undetermined Whether Accidentally or Purposely Inflicted By Age, New York City, 1989**

Method	All Ages	0-4	5-14	15-24	25-44	45-54	55-64	65-74	75 and over
Total	186	13	4	12	87	17	13	27	13
Poisoning by solid or liquid substances	19	—	1	—	11	3	1	2	1
Poisoning by gases and vapors	1	—	—	—	1	—	—	—	—
Hanging, strangulation or suffocation	2	1	—	1	—	—	—	—	—
Submersion (drowning)	19	—	—	1	11	1	2	2	2
Firearms and explosives	10	—	1	3	6	—	—	—	—
Cutting and piercing instruments	1	—	—	—	1	—	—	—	—
Falling from high place	19	—	1	2	8	1	2	2	3
Other and unspecified means	115	12	1	5	49	12	8	21	7



**Table 12. Deaths from AIDS by Age, Sex and Ethnic Group, New York City, 1983-1989**

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

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, 1989**

Cause of Death	Total	Percent of Total Deaths with Specified Characteristic							
		Hispanic	Asian	Other White	Other Black	Other Nonwhite & Unknown	Male	Never Married	Age Under 20
All Causes	75,957	11.8	3.0	57.0	24.0	4.2	52.6	23.9	3.7
AIDS	4,193	28.4	0.9	31.0	34.0	5.7	83.2	66.4	2.0
Drug Dependence	591	27.9	—	22.2	48.4	1.5	76.3	49.4	0.8
Chronic Liver Disease and Cirrhosis	1,086	25.4	1.5	40.4	28.3	4.4	70.1	26.5	—
Homicide	1,970	34.2	2.7	10.4	50.5	2.2	84.9	59.3	14.4
Motor Vehicle Accidents	663	19.6	5.4	48.6	25.2	1.2	69.5	42.8	13.9
Other Accidents	1,580	17.9	1.9	45.1	33.9	1.2	67.2	39.1	7.8
Suicide	703	20.9	6.7	52.1	18.1	2.3	73.5	43.0	3.7
Injury Undetermined	186	18.3	1.1	32.8	39.2	8.6	71.5	34.9	12.4
All Other Causes	64,985	9.3	3.2	61.2	22.1	4.2	48.3	19.0	3.3



Table 14.

**Life Expectancy at Specified Ages By Sex and Race  
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<sup>(a)</sup> 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 are adjusted for age, sex and race. Standard is U.S. Population, 1940.  
 (b) Data not available.  
 (c) Not strictly comparable with prior years.

Figure 3.

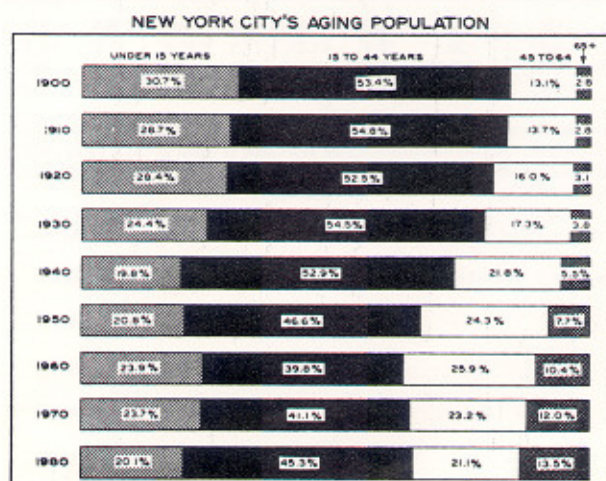




Table 17.

## Deaths and Crude Death Rates from Selected Causes

CAUSE	1901-	1906-	1911-	1916-	1921-	1926-	1931-	1936-	1941-	1946-
	1905	1910	1915	1920	1925	1930	1935	1940	1945	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
Complications of pregnancy, childbirth and the puerperium (630-676)	694	745	694	664	689	651	608	372	255	178
Rate per 10,000 live births	53.7	51.7	49.4	48.8	52.8	51.8	57.3	36.3	20.2	11.1
Respiratory tuberculosis (010-012)	8,154	8,832	8,745	7,915	4,937	4,574	4,068	3,680	3,281	2,932
Rate	215.4	197.5	173.2	144.1	80.0	68.2	57.3	50.0	43.2	37.7
Acquired immunodeficiency syndrome (042)*		*								
Rate										
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
Malignant neoplasms (140-208)	2,621	3,334	4,256	4,993	6,229	7,637	9,062	11,257	13,169	14,627
Rate	69.2	74.5	84.3	90.9	100.9	113.9	127.6	152.9	173.3	188.2
Diabetes mellitus (250)	520	690	916	1,063	1,284	1,624	2,140	2,787	3,131	3,423
Rate	13.7	15.4	18.1	19.4	20.8	24.2	30.1	37.9	41.2	44.0
Circulatory system (390-459)	5,954	9,148	12,699	14,792	18,114	21,815	23,706	25,711	30,886	32,539
Rate	157.3	204.5	251.5	269.3	293.3	325.5	333.8	349.2	406.6	418.7
Cerebrovascular disease (430-438)	2,593	1,790	970	834	719	723	1,333	3,846	3,611	3,710
Rate	68.4	40.0	19.2	15.2	11.6	10.8	20.2	52.2	47.5	47.7
Pneumonia & Influenza (480-487)	10,425	10,985	10,528	17,136	8,935	9,989	8,205	5,337	3,453	3,014
Rate	275.4	245.6	208.5	312.0	144.7	149.0	115.5	72.5	45.5	38.8
Other respiratory (460-478, 490-519)	3,224	2,307	1,458	1,407	689	622	594	536	492	424
Rate	85.2	51.6	38.9	25.6	11.2	9.3	8.4	7.3	6.5	5.5
Chronic liver disease & cirrhosis (571)	814	1,076	900	500	338	413	584	922	1,052	1,500
Rate	21.5	24.1	17.8	9.1	5.5	6.2	8.2	12.5	13.8	17.5
Nephritis, nephrosis, etc. (580-589)	5,752	5,600	5,499	5,676	4,108	3,411	3,608	3,675	3,081	2,574
Rate	151.9	125.2	108.9	103.4	50.9	50.8	50.9	40.6	40.6	33.1
Drug dependence (304)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)
Rate	—	—	—	—	—	—	—	—	—	—
Accidental drug poisoning**	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)
Rate	—	—	—	—	—	—	—	—	—	—
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
Other accidents	3,521	3,549	3,516	3,426	3,138	3,574	3,205	3,107	3,091	3,255
Rate	93.0	79.3	69.3	62.4	50.8	53.3	45.1	42.2	40.7	41.9
Suicide (E950-E959)	761	825	686	742	842	1,163	1,369	1,191	907	930
Rate	20.1	18.4	17.2	13.5	13.6	17.4	19.3	16.2	11.9	12.0
Homicide (E960-E978, E990-E999)	143	247	293	271	334	405	522	351	265	362
Rate	3.8	5.5	5.8	4.9	5.4	6.0	7.4	4.5	3.5	4.7

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

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

\*\* Accidental drug poisoning includes ICD codes E850.0, E854.1, E855.2, E858.8.

† Data for 1982-1985.

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

(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, 1901-1989

ANNUAL AVERAGE

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

Revision of International Classification of Diseases and year of implementation:

5th, 1939

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

7th, 1959

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

9th, 1979



**Table 18.**  
**Live Births, Spontaneous Terminations (28 Weeks Gestation and Over) and Induced Terminations of**  
**Pregnancy by Boroughs of Residence and Occurrence, New York City, 1989**

Borough of Residence/ Pregnancy Outcome	Total	Borough of Occurrence					Richmond
		Manhattan	Bronx	Brooklyn	Queens		
<b>NEW YORK CITY</b> .....	233,693	90,452	30,294	60,141	46,457	6,349	
Live births .....	137,673	42,505	22,563	40,253	26,504	5,848	
Spontaneous terminations .....	721	184	135	275	105	22	
Induced terminations .....	95,299	47,763	7,596	19,613	19,848	479	
<b>MANHATTAN</b> .....	37,562	34,733	970	513	1,324	22	
Live births .....	22,370	21,357	609	204	178	22	
Spontaneous terminations .....	95	89	2	3	1	—	
Induced terminations .....	15,097	13,287	359	306	1,145	—	
<b>BRONX</b> .....	44,361	15,582	26,534	493	1,744	8	
Live births .....	25,673	4,954	20,337	149	225	8	
Spontaneous terminations .....	152	31	119	1	1	—	
Induced terminations .....	18,536	10,597	6,078	343	1,518	—	
<b>BROOKLYN</b> .....	79,722	18,767	247	53,844	6,499	365	
Live births .....	45,474	6,459	124	37,301	1,239	351	
Spontaneous terminations .....	282	23	1	254	2	2	
Induced terminations .....	33,966	12,285	122	16,289	5,258	12	
<b>QUEENS</b> .....	44,776	9,495	526	2,367	32,349	39	
Live births .....	28,328	4,450	224	1,470	22,147	37	
Spontaneous terminations .....	107	15	—	7	85	—	
Induced terminations .....	16,341	5,030	302	890	10,117	2	
<b>RICHMOND</b> .....	8,467	1,573	28	1,089	161	5,616	
Live births .....	6,110	312	8	572	56	5,162	
Spontaneous terminations .....	21	—	—	3	—	18	
Induced terminations .....	2,336	1,261	20	514	105	436	
<b>NON-RESIDENTS</b> .....	16,959	9,404	1,813	1,478	3,985	279	
Live births .....	9,628	4,941	1,249	529	2,645	264	
Spontaneous terminations .....	50	22	11	2	13	2	
Induced terminations .....	7,281	4,441	553	947	1,327	13	
<b>RESIDENCE UNKNOWN</b> .....	1,846	898	176	357	395	20	
Live births .....	90	32	12	28	14	4	
Spontaneous terminations .....	14	4	2	5	3	—	
Induced terminations .....	1,742	862	162	324	378	16	

**Table 19.**  
**Live Births by Mother's Ancestry and**  
**Borough of Residence, New York City, 1989**

Ancestry of Mother	Total	Borough of Residence					Richmond	Non-Residents	Residence Unknown
		Manhattan	Bronx	Brooklyn	Queens				
Puerto Rican .....	19,248	2,877	8,057	6,079	1,550	358	315	12	
Dominican .....	11,037	4,597	3,042	1,771	1,490	20	110	7	
Colombian .....	2,036	92	84	229	1,554	12	63	2	
Ecuadorian .....	1,798	202	320	439	797	6	34	—	
Mexican .....	2,281	395	540	870	416	29	30	1	
Cuban .....	500	122	93	69	134	15	66	1	
Other Hispanic .....	5,361	632	1,142	1,417	1,877	130	157	6	
American .....	13,330	1,430	510	4,900	2,865	1,710	1,907	8	
Haitian .....	3,308	132	57	2,306	711	8	93	1	
Guyanese .....	1,914	32	245	915	682	9	28	3	
Jamaican .....	2,886	64	583	1,627	528	16	66	2	
Other North, Central and South American .....	6,105	512	1,180	3,076	1,094	46	195	2	
European .....	21,535	3,679	1,778	5,310	4,129	2,570	4,058	11	
Chinese .....	3,832	972	98	1,231	1,183	70	278	—	
Indian .....	1,693	82	162	223	1,007	65	154	—	
Korean .....	1,236	60	81	113	819	36	127	—	
Filipino .....	1,056	158	114	124	483	53	124	—	
Other Asian .....	4,234	491	284	1,722	1,184	168	383	2	
African .....	28,918	4,651	6,629	11,251	5,071	686	604	26	
Not stated .....	5,365	1,190	674	1,802	754	103	836	6	
<b>Total</b> .....	137,673	22,370	25,673	45,474	28,328	6,110	9,628	90	



Table 20.

**Live Births, Spontaneous and Induced Terminations of Pregnancy  
by Borough of Residence and Age of Woman, New York City, 1989**

Borough of Residence/ Pregnancy Outcome	Total All Ages	Age of Woman								Unknown & Not Stated
		Under 15	15-17	18-19	20-24	25-29	30-34	35-39	40 & Over	
<b>NEW YORK CITY</b> .....	238,472	1,195	12,252	19,163	62,638	65,188	48,282	21,914	5,324	2,516
Live births .....	137,673	373	5,179	8,569	32,393	40,757	32,818	14,278	3,035	271
Spontaneous terminations .....	5,500	20	159	254	1,048	1,404	1,303	828	292	192
Induced terminations .....	95,299	802	6,914	10,340	29,197	23,027	14,161	6,808	1,997	2,053
<b>MANHATTAN</b> .....	38,315	211	1,930	2,868	9,337	9,799	8,292	4,294	1,206	378
Live births .....	22,370	75	911	1,315	4,624	5,862	5,733	3,007	798	45
Spontaneous terminations .....	848	6	23	38	140	189	222	154	51	25
Induced terminations .....	15,097	130	996	1,515	4,573	3,748	2,337	1,133	357	308
<b>BRONX</b> .....	44,777	298	2,864	4,346	13,716	12,144	7,297	2,984	651	477
Live births .....	25,673	106	1,469	2,249	7,534	7,413	4,622	1,844	377	59
Spontaneous terminations .....	568	1	20	30	115	167	119	70	27	19
Induced terminations .....	18,536	191	1,375	2,067	6,067	4,564	2,556	1,070	247	399
<b>BROOKLYN</b> .....	81,716	412	4,434	6,985	22,569	22,076	15,556	7,076	1,789	819
Live births .....	45,474	142	1,882	3,171	11,684	13,284	9,944	4,314	955	98
Spontaneous terminations .....	2,276	10	71	132	482	571	503	329	112	66
Induced terminations .....	33,966	260	2,481	3,682	10,403	8,221	5,109	2,433	722	655
<b>QUEENS</b> .....	45,691	135	1,837	3,224	11,526	13,559	9,834	4,164	952	460
Live births .....	28,328	37	742	1,467	6,516	9,204	7,020	2,800	496	46
Spontaneous terminations .....	1,022	2	27	41	195	280	257	141	55	24
Induced terminations .....	16,341	96	1,068	1,716	4,815	4,075	2,557	1,223	401	390
<b>RICHMOND</b> .....	8,688	21	284	515	1,875	2,756	2,213	829	138	57
Live births .....	6,110	9	120	239	1,134	2,142	1,803	583	77	3
Spontaneous terminations .....	242	—	6	6	48	80	56	34	11	1
Induced terminations .....	2,336	12	158	270	693	534	354	212	50	53
<b>NON-RESIDENTS</b> .....	17,244	102	783	1,045	3,024	4,386	4,808	2,385	531	180
Live Births .....	9,628	4	53	124	876	2,823	3,683	1,719	330	16
Spontaneous terminations .....	335	—	5	3	35	67	116	72	26	11
Induced terminations .....	7,281	98	725	918	2,113	1,496	1,009	594	175	153
<b>RESIDENCE UNKNOWN</b> .....	2,041	16	120	180	591	468	282	182	58	144
Live Births .....	90	—	2	4	25	29	13	11	2	4
Spontaneous terminations .....	209	1	7	4	33	50	30	28	11	45
Induced terminations .....	1,742	15	111	172	533	389	239	143	45	95

Table 21.

**Spontaneous Terminations of Pregnancy by Gestation and Age of Woman  
New York City, 1989**

Gestation in Weeks	Total	Age of Woman								Unknown & Not Stated
		Under 15	15-17	18-19	20-24	25-29	30-34	35-39	40 & Over	
Under 13 .....	2,239	6	60	95	392	572	561	368	149	36
13-15 .....	475	1	13	20	81	120	126	80	30	4
16-19 .....	494	1	16	22	90	124	125	87	18	11
20-27 .....	811	3	32	37	185	230	176	105	26	17
28 & Over .....	721	3	21	47	164	196	163	82	32	13
Not stated .....	760	6	17	33	136	162	152	106	37	111
<b>Total</b> .....	<b>5,500</b>	<b>20</b>	<b>159</b>	<b>254</b>	<b>1,048</b>	<b>1,404</b>	<b>1,303</b>	<b>828</b>	<b>292</b>	<b>192</b>



**Table 22. Selected Characteristics of Live Births by Age of Mother  
New York City, 1989**

	Total	Age of Mother								
		Under 15	15-17	18-19	20-24	25-29	30-34	35-39	40 & Over	Not Stated
Total Live Births	137,673	373	5,179	8,569	32,393	40,757	32,818	14,278	3,035	271
Sex										
Male	70,399	193	2,652	4,349	16,683	20,782	16,841	7,382	1,578	139
Female	67,074	180	2,527	4,220	15,710	19,975	15,977	6,896	1,457	132
Race of Child										
White	79,232	159	2,488	4,307	17,774	23,375	19,901	9,073	2,016	139
Black	48,456	213	2,644	4,121	13,164	13,772	9,602	4,033	806	101
American Indian	60	—	5	6	14	19	10	6	—	—
Chinese	4,029	—	10	26	435	1,514	1,441	526	63	14
Japanese	315	—	—	—	26	74	130	66	19	—
Filipino	990	1	2	10	67	250	466	145	48	1
Other nonwhite	4,591	—	30	99	913	1,753	1,268	429	83	16
Race of Child for Mothers of										
Hispanic ancestry	42,261	159	2,296	3,577	12,742	12,204	7,497	3,091	634	61
White	37,196	144	2,039	3,211	11,199	10,699	6,592	2,690	567	55
Black	4,862	15	251	351	1,483	1,454	856	384	62	6
American Indian	14	—	1	2	3	5	3	—	—	—
Chinese	45	—	1	3	12	9	14	5	1	—
Japanese	5	—	—	—	2	—	1	2	—	—
Filipino	9	—	2	2	1	1	2	1	—	—
Other nonwhite	130	—	2	8	42	36	29	9	4	—
Number of Child in Order of Birth (Live Births Only)										
First	67,763	348	4,471	6,455	18,459	19,141	12,787	4,910	1,046	146
Second	36,950	24	608	1,694	8,937	11,675	9,493	3,801	658	60
Third	18,322	1	87	357	3,466	5,816	5,627	2,484	452	32
Fourth	7,768	—	9	50	1,112	2,434	2,523	1,340	290	10
Fifth	3,361	—	1	10	300	1,014	1,147	688	188	13
Sixth or more	3,309	—	3	3	119	677	1,241	1,055	401	10
Weight at Delivery										
Less than 500 grams	249	1	5	15	63	68	63	24	7	3
500-999 grams	1,041	4	37	67	223	324	257	102	22	5
1000-1499 grams	1,296	5	72	81	289	389	274	156	26	4
1500-1999 grams	2,646	16	128	175	589	745	631	281	76	4
2000-2499 grams	7,973	37	374	598	1,941	2,231	1,805	782	191	14
2500-2999 grams	26,169	86	1,275	1,963	6,670	7,455	5,640	2,492	539	49
3000-3499 grams	52,856	153	2,074	3,535	12,845	15,655	12,327	5,148	1,020	99
3500-3999 grams	34,387	56	1,018	1,748	7,639	10,377	8,860	3,830	798	61
4000-4499 grams	9,091	13	179	337	1,845	2,741	2,475	1,210	277	14
4500-4999 grams	1,530	1	13	41	257	497	430	223	64	4
5000 grams and over	182	1	3	8	26	65	41	25	13	—
Not stated	53	—	1	1	6	10	15	5	2	13
Plurality										
Single	134,225	368	5,110	8,437	31,726	39,751	31,860	13,779	2,927	267
Twin	3,352	5	69	129	664	992	905	482	102	4
Triplet	84	—	—	3	3	14	45	13	6	—
Quadruplet	12	—	—	—	—	—	8	4	—	—
Place of Birth										
Home	155	—	6	5	28	38	52	22	4	—
Hospital										
Voluntary/Private Service	61,387	31	586	1,248	9,161	19,629	19,603	9,045	1,987	97
Voluntary/General Service	38,638	190	2,365	3,808	11,548	10,772	6,690	2,660	519	86
Municipal	36,147	148	2,189	3,425	11,367	9,945	6,120	2,389	495	69
Maternity Center	250	—	2	8	47	72	79	37	5	—
Other	1,096	4	31	75	242	301	274	125	25	19
Attendant										
Physician	128,569	339	4,571	7,628	29,654	38,374	31,226	13,628	2,906	243
Nurse Midwife	8,988	34	605	935	2,711	2,342	1,575	640	127	19
Other	116	—	3	6	28	41	17	10	2	9
Financial Coverage										
Self	17,154	48	692	1,071	4,451	5,168	3,753	1,610	333	28
Medicaid	52,068	272	3,553	5,611	16,499	13,785	8,324	3,271	651	802
Third Party	55,808	25	362	1,205	8,551	17,523	17,403	7,995	1,761	83
HMO	9,619	17	243	456	2,011	3,179	2,453	1,047	194	19
Not stated	3,724	11	129	226	881	1,302	885	355	96	39
Month of First Visit for Prenatal Care										
Early (1-6 months)	103,398	177	3,096	5,458	22,450	31,211	26,588	11,729	2,504	185
Late (7-9 months)	11,961	94	863	1,280	3,672	3,144	1,975	757	147	29
No Care	7,806	32	445	696	2,292	2,275	1,375	561	99	31
Not stated	14,508	70	775	1,135	3,979	4,127	2,880	1,231	285	26
Legitimacy										
In wedlock	79,539	10	570	1,958	14,610	26,314	23,488	10,266	2,194	129
Out of wedlock	58,134	363	4,609	6,611	17,783	14,443	9,330	4,012	841	142
Nativity of Mother										
Puerto Rico	6,798	26	353	453	2,091	1,782	1,202	683	198	10
Native	75,484	299	3,907	6,089	18,125	20,779	17,302	7,395	1,459	129
Foreign	55,052	47	902	2,007	12,084	18,113	14,260	6,173	1,372	94
Not stated	339	1	17	20	93	83	54	27	6	38



**Table 23. Selected Characteristics of Live Births and Spontaneous Terminations of Pregnancy (28 Weeks Gestation & Over) by Mother's Ethnic Group New York City, 1989**

	Total	Ethnic Group of Mother						
		Puerto Rican	Other Hispanic	Asian	Other White	Other Black	Other Nonwhite	Not Stated
Total Live Births .....	137,673	19,248	23,013	12,051	39,292	42,639	639	791
Sex .....								
Male .....	70,599	9,888	11,759	6,215	20,275	21,712	325	425
Female .....	67,074	9,360	11,254	5,836	19,017	20,927	314	366
Number of Child in Order of Birth (Live Births Only) .....								
First .....	67,763	8,839	11,032	6,381	20,590	20,170	328	504
Second .....	36,950	5,154	6,302	3,527	11,032	10,612	188	135
Third .....	18,322	2,953	3,489	1,256	4,393	6,080	81	70
Fourth .....	7,768	1,344	1,360	462	1,530	3,001	29	42
Fifth .....	3,361	527	478	177	706	1,445	7	21
Sixth or more .....	3,509	431	352	248	1,122	1,331	6	19
Weight at Delivery .....								
Under 500 grams .....	249	30	27	5	45	136	2	4
500-999 grams .....	1,041	149	119	34	164	562	4	9
1000-1499 grams .....	1,296	194	142	57	211	676	7	9
1500-1999 grams .....	2,646	458	286	122	500	1,251	11	18
2000-2499 grams .....	7,973	1,334	928	530	1,524	3,554	44	59
2500-2999 grams .....	26,169	4,047	3,850	2,428	5,911	9,609	160	164
3000-3499 grams .....	52,856	7,320	9,147	5,217	14,902	15,749	232	289
3500-3999 grams .....	34,587	4,468	6,391	2,931	11,832	8,638	146	181
4000-4499 grams .....	9,091	1,066	1,790	607	3,510	2,058	24	36
4500-4999 grams .....	1,530	160	299	103	623	331	7	7
5000 grams and over .....	182	17	31	12	62	58	—	2
Not stated .....	53	5	3	5	8	17	2	13
Plurality .....								
Single .....	134,225	18,810	22,588	11,828	38,133	41,454	635	777
Twin .....	3,352	427	416	212	1,110	1,169	4	14
Triplet .....	84	11	5	11	45	12	—	—
Quadruplet .....	12	—	4	—	4	4	—	—
Apgar Score at 5 Minutes .....								
6 or less .....	2,266	336	308	111	376	1,099	11	25
7 .....	1,698	242	263	78	317	782	9	7
8 .....	6,378	1,042	1,188	329	1,140	2,624	27	28
9 .....	74,504	11,587	13,724	5,781	17,529	25,285	288	310
10 .....	51,008	5,823	7,319	5,674	19,691	11,810	293	398
Not stated .....	1,819	218	211	78	239	1,039	11	23
Place of Birth .....								
Home .....	155	6	9	11	69	58	1	1
Hospital .....								
Voluntary/Private Service .....	61,387	4,065	4,239	7,999	32,432	12,131	271	250
Voluntary/General Service .....	38,638	7,976	8,847	2,426	3,905	15,138	169	177
Municipal .....	36,147	6,977	9,777	1,524	2,436	14,898	189	326
Maternity Center .....	250	32	21	6	129	53	1	8
Other .....	1,096	192	120	85	301	361	8	29
Attendant .....								
Physician .....	128,569	17,152	20,751	11,716	38,013	39,599	598	740
Nurse Midwife .....	8,988	2,081	2,251	330	1,252	2,992	38	44
Other .....	116	15	11	5	27	48	3	7
Financial Coverage .....								
Self .....	17,154	1,822	3,758	2,432	4,028	4,953	94	67
Medicaid .....	52,068	11,695	12,527	1,672	4,542	21,211	160	261
Third Party .....	55,108	3,961	5,281	6,788	27,777	10,668	308	325
HMO .....	9,619	1,163	845	821	1,951	4,767	47	25
Not stated .....	3,724	607	602	338	994	1,040	30	113
Month of First Visit for Prenatal Care .....								
Early (1-6 months) .....	103,398	13,044	16,351	9,925	34,063	28,988	485	542
Late (7-9 months) .....	11,961	1,927	2,907	1,005	1,552	4,451	53	66
No Care .....	7,806	1,502	1,447	308	903	3,550	29	67
Not stated .....	14,508	2,775	2,308	813	2,774	5,650	72	116
Legitimacy .....								
In wedlock .....	79,539	7,071	12,608	10,933	33,785	14,167	492	483
Out of wedlock .....	58,134	12,177	10,405	1,118	5,507	28,472	147	308
Nativity of Mother .....								
Puerto Rico .....	6,798	6,641	88	3	40	13	—	13
Native .....	75,484	12,314	2,096	808	32,199	27,734	82	251
Foreign .....	55,052	261	20,802	11,233	7,007	14,717	554	478
Not stated .....	339	32	27	7	46	175	3	49
Spontaneous Terminations of Pregnancy (28 Weeks & Over) .....								
Total .....	721	89	92	42	155	281	6	56
Sex .....								
Male .....	363	47	35	22	76	149	4	30
Female .....	312	37	49	16	69	118	1	22
Undetermined .....	46	5	8	4	10	14	1	4
Weight at Delivery .....								
Under 500 grams .....	41	9	6	1	9	10	2	4
500-999 grams .....	91	12	11	5	16	37	—	10
1000-1499 grams .....	82	11	11	1	14	42	1	2
1500-1999 grams .....	308	18	13	4	12	54	—	7
2000-2499 grams .....	300	7	8	5	26	47	1	6
2500 grams & over .....	229	28	39	21	58	64	2	17
Not stated .....	70	4	4	5	20	27	—	10



Table 24.

**Live Births by Selected Characteristics and Infant Deaths  
by Health Center District of Residence, New York City, 1989**

Health Center District	Live Births		Percent of Total Live Births with Specified Characteristic								Infant Mortality (Under 1 Year)		Neonatal Mortality (Under 28 Days)	
			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	137,673	19.5	14.0	16.7	42.4	49.2	9.6	14.4	42.2	37.8	1,827	13.3	1,253	9.1
MANHATTAN	22,370	15.7	12.9	27.0	38.7	50.4	10.3	16.2	46.7	42.0	272	12.2	185	8.3
Central Harlem	2,689	22.0	6.0	6.2	89.6	39.0	18.5	23.3	79.2	60.7	63	23.4	44	16.4
East Harlem	2,549	20.4	36.4	14.3	35.5	46.8	14.0	17.5	62.5	47.0	38	14.9	29	11.4
Kips Bay-Yorkville	2,061	8.9	1.8	3.6	12.4	71.1	5.9	3.5	13.8	3.4	15	7.3	9	4.4
Lower East Side	2,981	13.0	20.5	14.8	40.4	53.3	7.8	13.7	36.0	30.8	26	8.7	22	7.4
Lower West Side	3,009	11.1	8.2	8.5	29.4	60.4	8.2	13.9	29.5	18.6	33	11.0	17	5.6
Riverside	2,776	13.4	10.6	19.0	30.3	56.0	9.5	11.7	41.2	31.7	25	9.0	14	5.0
Washington Heights	6,305	26.1	9.5	66.8	34.0	41.2	9.2	21.0	52.8	65.7	72	11.4	50	7.9
BRONX	25,673	22.0	31.4	20.3	44.9	46.7	11.4	20.5	59.2	53.0	378	14.7	257	10.0
Fordham-Riverdale	4,683	19.9	30.0	24.2	32.1	45.2	9.1	16.0	48.2	48.2	58	12.4	46	9.8
Morrisania	4,249	31.6	30.0	20.0	56.9	47.9	13.1	25.0	72.3	64.8	88	20.7	56	13.2
Mott Haven	3,148	25.4	46.3	22.0	43.0	58.7	14.4	28.0	73.0	67.2	51	16.2	30	9.5
Pelham Bay	3,138	14.3	17.1	7.5	64.7	39.7	10.5	15.1	48.6	34.3	48	15.3	38	12.1
Tremont	5,746	33.2	33.3	27.9	44.4	46.7	11.9	23.6	67.9	63.1	84	14.6	57	9.9
Westchester	4,709	16.6	31.2	15.0	35.8	43.5	10.0	15.9	45.5	37.8	49	10.4	30	6.4
BROOKLYN	45,474	20.4	13.4	10.5	49.5	47.3	9.7	14.0	46.3	41.3	677	14.9	464	10.2
Bay Ridge	3,460	13.9	9.1	7.5	15.1	52.3	6.1	7.3	16.7	19.4	30	8.7	22	6.4
Bedford	5,385	25.8	3.1	4.4	88.6	44.8	13.6	18.2	67.8	54.0	113	21.0	74	13.7
Brownsville	6,003	22.1	13.2	7.3	72.0	49.3	12.9	15.0	62.1	50.8	101	16.8	71	11.8
Bushwick	4,813	28.9	34.5	23.7	40.1	44.8	10.8	18.9	60.6	58.8	71	14.8	45	9.3
Flatbush	9,828	20.5	4.3	6.5	61.4	47.5	8.5	12.9	39.2	29.8	137	13.9	102	10.4
Fort Greene	3,215	21.9	13.2	7.9	70.0	49.0	13.0	20.7	65.7	52.5	67	20.8	44	13.7
Gravesend	3,984	13.8	9.3	6.9	28.3	49.5	7.4	11.4	28.8	26.4	47	11.8	29	7.3
Red Hook-Gowanus	1,757	15.4	23.1	9.2	31.0	55.3	8.5	10.2	46.8	38.2	28	15.9	18	10.2
Sunset Park	3,724	22.6	19.4	18.8	15.5	44.3	6.3	8.9	27.8	35.6	41	11.0	31	8.3
Williamsburg-Greenp't	3,305	23.2	24.3	20.8	12.7	40.9	7.7	13.3	36.6	50.9	42	12.7	28	8.5
QUEENS	28,328	15.0	5.5	22.1	44.6	54.9	8.5	13.4	32.8	30.4	284	10.0	196	6.9
Astoria-Long Is'd City	3,513	14.7	5.0	27.0	30.6	54.5	7.9	16.5	29.5	30.0	34	9.7	27	7.7
Corona	5,519	21.0	3.5	48.3	34.6	53.6	7.5	21.7	34.5	39.0	54	9.8	34	6.2
Flushing	4,713	10.7	3.8	15.4	36.9	52.5	6.3	8.8	15.5	12.5	31	6.6	25	5.3
Jamaica East	5,613	17.4	3.0	9.4	83.4	61.6	11.5	10.4	50.8	38.9	74	13.2	52	9.3
Jamaica West	5,873	16.8	9.4	17.7	46.2	51.9	9.8	12.4	38.9	36.1	69	11.7	41	7.0
Maspeth-Forest Hills	3,097	11.2	9.0	11.7	17.0	54.8	6.7	9.0	15.8	16.1	22	7.1	17	5.5
RICHMOND	6,130	17.4	5.9	3.5	18.9	45.5	6.0	4.8	18.4	18.7	52	8.5	37	6.1
NON-RESIDENTS	9,628	—	3.3	4.8	19.8	47.9	8.0	4.0	10.0	4.9	142	—	94	—
RESIDENCE UNKNOWN	90	—	13.3	18.9	48.9	51.1	18.9	27.8	63.3	40.0	22	—	20	—

(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, 1989**

Ancestry	Live Births	Percent of Live Births with Specified 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	19,248	64.0	8.2	45.9	11.3	17.8	63.3	60.8	20.1
Dominican	11,037	5.7	19.7	44.1	6.6	19.1	47.4	66.4	8.1
Colombian	2,036	2.4	2.4	53.6	5.9	17.8	42.4	42.1	5.2
Ecuadorian	1,798	3.7	1.6	44.5	4.9	20.9	34.0	49.8	7.0
Mexican	2,281	3.3	7.5	50.9	5.3	26.3	49.4	44.9	19.2
Cuban	500	32.4	12.0	49.6	7.4	11.8	29.2	26.8	5.0
Other Hispanic	5,361	22.4	18.7	53.3	7.6	15.8	45.2	42.7	10.7
American	13,330	96.5	4.1	51.9	6.9	6.9	17.5	16.2	5.4
Haitian	3,308	1.7	99.6	46.0	7.5	14.0	41.6	36.9	3.2
Guyanese	1,914	0.6	87.6	53.7	11.1	13.0	34.2	36.1	8.0
Jamaican	2,886	1.6	99.6	48.6	8.9	13.4	60.4	40.4	8.6
Other North, Central and South American	6,105	5.2	85.0	46.8	9.6	14.6	47.6	33.0	6.3
European	21,535	76.3	3.0	52.4	6.0	5.7	12.1	8.6	2.7
Chinese	3,832	5.1	99.3	55.7	5.1	7.2	6.5	4.3	0.7
Indian	1,693	2.4	97.8	54.8	9.0	14.5	14.1	22.7	2.2
Korean	1,236	0.5	99.5	58.8	4.6	16.3	5.4	8.2	0.6
Filipino	1,056	1.6	97.0	58.4	8.0	8.0	10.8	6.0	1.1
Other Asian	4,234	13.0	39.3	46.6	6.2	12.0	10.7	22.6	4.7
African	28,918	93.0	98.5	47.3	16.7	20.8	74.3	55.9	18.6
Not stated	5,365	69.0	24.1	52.4	8.2	9.7	24.8	17.1	4.7
Total	137,673	54.9	42.4	49.2	9.6	14.4	42.2	37.8	10.3



**Table 26. Live Births to Teenagers by Selected Characteristics and Infant Deaths by Health Center District of Residence, New York City, 1989**

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			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	14,121	10.3	27.4	15.3	50.8	79.8	11.4	24.1	82.0	66.8	190	13.5	116	8.2
MANHATTAN	2,301	10.3	28.2	27.5	47.2	78.4	10.7	25.6	83.5	68.4	25	10.9	15	6.5
Central Harlem	454	16.9	6.6	5.7	88.1	74.0	13.7	21.8	92.7	69.4	8	17.6	4	8.8
East Harlem	410	16.1	52.2	12.7	35.6	80.0	11.2	22.7	84.9	64.1	6	14.6	5	12.2
Kips Bay-Yorkville	35	1.7	22.9	2.9	62.9	97.1	8.6	11.4	82.9	62.9	1	29.4	0	0.0
Lower East Side	268	9.0	47.4	19.0	29.1	78.0	7.8	26.5	79.1	67.9	0	0.0	0	0.0
Lower West Side	199	6.6	29.6	11.6	53.8	72.9	13.1	45.7	81.4	50.8	1	5.0	1	5.0
Riverside	237	8.5	29.5	29.5	45.6	80.6	13.1	25.3	86.5	67.9	1	4.2	0	0.0
Washington Heights	698	11.1	20.3	58.6	32.1	80.4	8.2	24.6	78.1	75.8	8	11.5	5	7.2
BRONX	3,824	14.9	43.8	14.3	43.0	77.3	12.0	26.4	83.7	68.6	53	13.9	32	8.4
Fordham-Riverdale	569	12.2	44.8	19.3	27.6	78.0	11.8	22.0	78.6	67.0	7	12.3	5	8.8
Morrisania	775	18.2	37.5	10.7	56.9	77.2	13.0	29.2	88.5	70.3	19	24.5	14	18.1
Mott Haven	628	19.9	57.6	15.0	35.4	84.1	14.6	29.3	83.4	73.2	6	9.6	1	1.6
Pelham Bay	340	10.8	21.8	10.6	67.1	69.1	12.4	27.9	85.6	59.1	5	14.7	4	11.8
Tremont	954	16.6	48.4	16.2	39.9	75.9	10.5	25.8	85.5	70.8	11	11.5	7	7.3
Westchester	558	11.8	41.2	12.4	38.4	76.3	10.0	24.0	78.3	64.7	5	9.0	1	1.8
BROOKLYN	5,195	11.4	24.3	8.6	58.0	80.1	11.4	22.5	83.7	67.5	76	14.6	47	9.0
Bay Ridge	209	6.0	24.4	11.5	6.7	81.8	2.9	13.9	53.6	53.6	0	0.0	0	0.0
Bedford	802	14.9	4.4	3.0	92.9	77.9	15.3	24.1	94.4	73.6	13	16.2	7	8.7
Brownsville	912	15.2	18.3	4.1	77.6	80.0	14.3	21.5	91.3	68.6	23	25.2	15	16.4
Bushwick	794	16.5	48.1	12.3	36.8	76.2	11.2	25.8	86.9	72.3	80	12.6	6	7.6
Flatbush	708	7.2	10.2	6.8	73.6	84.0	10.3	26.3	83.8	58.2	7	9.9	5	7.1
Fort Greene	543	16.9	18.0	6.3	76.1	78.8	12.7	25.4	89.7	72.7	6	11.0	5	9.2
Gravesend	336	8.4	21.4	9.5	41.1	80.7	9.5	25.0	72.9	58.0	3	8.9	1	3.0
Red Hook-Gowanus	199	11.3	39.7	7.5	48.7	84.4	6.5	14.6	87.9	75.4	3	15.1	1	5.0
Sunset Park	346	9.3	41.9	22.5	6.9	83.2	9.0	12.1	61.3	59.8	5	14.5	3	8.7
Williamsburg-Greenp't	346	10.5	46.0	16.8	17.3	80.6	8.1	19.7	70.8	70.5	6	17.3	4	11.6
QUEENS	2,246	7.9	8.7	22.0	53.1	85.8	11.1	24.4	76.4	62.9	22	9.8	12	5.3
Astoria-L.I.C.	233	6.6	7.7	27.0	40.3	84.5	5.2	27.9	74.7	62.7	2	8.6	0	0.0
Corona	433	7.8	6.5	53.8	23.1	84.8	9.5	36.3	64.7	63.0	3	6.9	2	4.6
Flushing	165	3.5	9.1	20.0	32.1	89.1	7.9	24.2	66.1	41.2	1	6.1	1	6.1
Jamaica	699	12.5	3.9	8.7	85.7	90.8	12.9	15.9	86.3	67.7	5	7.2	3	4.3
Jamaica East	583	9.9	14.1	15.3	57.6	81.5	14.2	23.0	80.4	65.4	11	18.9	6	10.3
Maspeth-Forest Hills	133	4.3	19.5	12.0	7.5	78.9	8.3	30.8	60.2	53.4	0	0.0	0	0.0
RICHMOND	368	6.0	15.5	6.0	38.9	78.0	10.6	13.6	70.9	65.5	5	13.6	4	10.9
NON-RESIDENTS RESIDENCE UNKNOWN	181	1.9	18.2	7.7	49.7	75.7	15.5	22.7	72.4	43.1	9	—	6	—
	6	6.7	50.0	16.7	33.3	83.3	0	16.7	66.7	66.7	0	0.0	0	0.0

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

**Table 27. Live Births to Teenagers By Selected Characteristics, New York City, 1980-1989**

	YEAR										
	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	
Total Live Births	107,066	108,547	111,487	112,353	113,332	118,542	122,108	127,386	132,226	137,673	
Percent to Teenagers	13.2	12.9	12.8	12.4	11.8	11.2	10.8	10.3	10.4	10.3	
Births to Teenagers	14,123	14,014	14,276	13,892	13,339	13,304	13,168	13,166	13,714	14,121	
Percent of Births with Specified Characteristic:											
Puerto Rican	29.7	30.9	30.0	30.1	29.4	28.6	29.4	29.1	28.6	27.4	
Other Hispanic	7.6	7.6	8.9	9.1	9.5	10.3	10.8	12.9	12.6	15.3	
Nonwhite Child	55.4	53.9	55.3	54.2	54.5	54.4	53.2	52.1	52.3	50.8	
First Live Birth	79.1	80.0	79.8	80.2	80.2	80.1	79.8	80.3	79.5	79.8	
Under 2,500 Grams	12.1	11.6	11.3	11.3	11.3	11.2	11.7	11.4	11.7	11.4	
Prenatal Care in First 6 Months of Pregnancy	60.7	61.7	59.6	60.3	59.7	59.7	56.2	58.0	65.8	75.9	
Out of Wedlock	76.7	78.0	79.0	80.0	81.4	81.7	82.7	82.1	80.2	82.0	
On Medicaid	60.7	60.5	59.8	62.6	65.7	66.9	64.2	64.3	62.8	66.8	



Table 28.

**Maternal Risk Factors by Health Center District  
of Residence, New York City, 1989**

HEALTH CENTER DISTRICT	Total Live Births	Number of Maternal Risk Factors*			
		None	One	Two	Three
		%	%	%	%
NEW YORK CITY	137,673	46.9	32.2	17.6	3.3
MANHATTAN	22,370	42.9	34.3	19.2	3.6
Central Harlem	2,689	14.1	43.3	35.8	6.8
East Harlem	2,549	27.9	37.2	29.2	5.7
Kips Bay-Yorkville	2,061	79.0	17.3	3.3	0.4
Lower East Side	2,981	52.5	31.1	13.4	3.0
Lower West Side	3,009	60.3	24.6	11.9	3.3
Riverside	2,776	50.3	31.1	15.6	3.0
Washington Heights	6,305	33.4	42.5	20.9	3.2
BRONX	25,673	27.7	38.9	27.8	5.7
Fordham-Riverdale	4,683	36.4	38.3	21.3	4.1
Morrisania	4,249	17.5	38.6	35.8	8.0
Mott Haven	3,148	14.6	41.5	36.1	7.7
Pelham Bay	3,138	38.7	37.7	19.4	4.3
Tremont	5,746	19.0	41.1	33.3	6.7
Westchester	4,709	40.2	36.2	20.2	3.5
BROOKLYN	45,474	43.1	35.4	18.1	3.3
Bay Ridge	3,460	70.6	22.5	6.1	0.8
Bedford	5,385	25.0	44.2	25.8	5.0
Brownsville	6,003	30.3	41.4	23.8	4.4
Bushwick	4,813	29.6	39.6	25.3	5.5
Flatbush	9,828	49.3	35.0	13.4	2.4
Fort Greene	3,215	26.0	38.9	29.6	5.5
Gravesend	3,984	58.2	26.5	12.8	2.6
Red Hook-Gowanus	1,757	45.5	31.9	19.7	2.9
Sunset Park	3,724	57.7	30.2	10.8	1.3
Williamsburg-Greenpoint	3,305	49.5	33.9	14.2	2.4
QUEENS	28,328	55.4	28.7	13.5	2.4
Astoria-Long Island City	3,513	56.9	28.6	12.7	1.8
Corona	5,519	49.1	32.0	16.4	2.5
Flushing	4,713	74.2	19.3	5.7	0.8
Jamaica East	5,613	41.8	38.6	16.9	2.7
Jamaica West	5,873	48.9	29.2	17.7	4.2
Maspeth-Forest Hills	3,097	73.7	18.6	6.6	1.2
RICHMOND	6,110	75.0	17.6	6.4	1.0
NON-RESIDENTS	9,628	81.9	14.3	3.2	0.6
RESIDENCE UNKNOWN	90	23.3	40.0	34.4	2.2

\*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 Infant Mortality Rates by  
Number of Maternal Risk Factors and Birth Weight,  
New York City, 1989**

NUMBER OF KNOWN RISK FACTORS	TOTAL*			LESS THAN 2,500 GRAMS			2,500 GRAMS & OVER		
	Births	Infant Deaths		Births	Infant Deaths		Births	Infant Deaths	
		No.	Rate		No.	Rate		No.	Rate
None	64,508	449	7.0	3,931	274	69.7	60,564	167	2.8
One	44,387	589	13.3	4,630	398	86.0	39,735	185	4.7
Two or more	28,778	688	23.9	4,644	500	107.7	24,116	180	7.5

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

**Table 30. a) Live Births and Infant Deaths by Birth Weight and Race, New York City, 1989**

Birth Weight (in Grams)	Live Births				Infant Deaths														
					Under One Year				Under 28 Days				Under 7 Days						
	Total	White	Black	Other	Total	White	Black	Other	Not Stated	Total	White	Black	Other	Not Stated					
Less than 500	249	102	138	9	234	104	121	4	5	229	102	118	4	5	224	102	113	4	5
500-999	1,041	410	597	34	539	212	318	6	3	471	193	271	4	3	404	174	225	3	2
1000-1499	1,296	517	729	50	168	74	87	4	3	116	49	62	2	3	91	40	48	1	2
1500-1999	2,646	1,188	1,346	112	114	53	56	3	2	75	43	28	3	1	54	31	21	1	1
2000-2499	7,973	3,649	3,873	451	117	49	62	4	2	55	27	24	2	2	43	23	16	2	2
Less than 2500	13,205	5,866	6,683	656	1,172	492	644	21	15	946	414	503	15	14	816	370	423	11	12
2500-2999	26,169	13,306	10,716	2,147	194	84	98	8	4	82	40	34	5	3	57	34	17	3	3
3000-3499	52,856	30,527	18,030	4,299	213	113	92	7	1	94	52	40	1	1	63	37	25	—	1
3500-3999	34,587	22,128	10,120	2,339	88	45	36	6	1	41	25	14	1	1	34	22	10	1	1
4000-4499	9,091	6,209	2,425	457	25	12	11	2	—	11	6	5	—	—	7	5	2	—	—
4500-4999	1,530	1,061	397	72	9	3	6	—	—	5	2	3	—	—	4	1	3	—	—
5000 & Over	182	107	67	8	4	1	3	—	—	3	1	2	—	—	3	1	2	—	—
2500 & Over	124,415	73,338	41,755	9,322	533	258	246	23	6	236	126	98	7	5	168	100	59	4	5
Not Stated	53	28	18	7	22	10	10	—	2	21	10	9	—	2	21	10	9	—	2
Unmatched*	—	—	—	—	100	52	32	3	13	50	23	14	2	11	34	16	9	1	8
Total	137,673	79,232	48,456	9,985	1,827	812	932	47	36	1,253	573	624	24	32	1,039	496	500	16	27

**b) Infant Mortality Rates (per 1,000 live births) by Birth Weight and Race, New York City, 1989**

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	939.8	1019.6	876.8	**	919.7	1000.0	855.1	**	899.6	1000.0	818.8	**
500-999	517.8	517.1	532.7	**	452.4	470.7	453.9	**	388.1	424.4	376.9	**
1000-1499	129.6	143.1	119.7	**	89.5	94.8	85.0	**	70.2	77.4	65.8	**
1500-1999	43.1	44.6	41.6	26.8	28.3	36.2	20.8	26.8	20.4	26.1	15.6	8.9
2000-2499	14.7	13.4	16.0	8.9	6.9	7.4	6.2	4.4	5.4	6.3	4.1	4.4
Less than 2500	88.8	83.9	96.4	32.1	71.6	70.6	75.3	22.9	61.8	63.1	63.3	16.8
2500-2999	7.4	6.3	9.1	3.7	3.1	3.0	3.2	2.3	2.2	2.6	1.6	1.4
3000-3499	4.0	3.7	5.1	1.6	1.8	1.7	2.2	0.2	1.2	1.2	1.4	—
3500-3999	2.5	2.0	3.6	2.6	1.2	1.1	1.4	0.4	1.0	1.0	1.0	0.4
4000-4499	2.7	1.9	4.5	4.4	1.2	1.0	2.1	—	0.8	0.8	0.8	—
4500-4999	5.9	2.8	15.1	—	3.3	1.9	7.6	—	2.6	0.9	7.6	—
5000 & Over	22.0	9.3	**	—	16.5	9.3	**	—	16.5	9.3	**	—
2500 & Over	4.3	3.5	5.9	2.5	1.9	1.7	2.3	0.8	1.4	1.4	1.4	0.4
Total	13.3	10.2	19.2	4.7	9.1	7.2	12.9	2.4	7.5	6.3	10.3	1.6

\*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.

Births and deaths included here were reported in 1989 and do not represent a true birth cohort. Therefore, rates may slightly exceed 1,000.0.

**Table 31. Infant Deaths by Age and Sex, by Race and by Cause, New York City, 1989**

	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	1,827	576	124	315	463	90	259
Race of Child							
White	812	275	45	134	221	32	105
Black	932	279	71	165	221	53	143
Other and not stated	83	22	8	16	21	5	11
Cause of Death (ICD-9 Codes)							
Certain Gastrointestinal Diseases (008-009, 535, 555-558)	3	—	—	1	—	1	1
Acquired Immunodeficiency Syndrome (042)	34	—	—	18	—	—	16
Pneumonia and Influenza (480-487)	24	1	1	10	—	2	10
Congenital Anomalies (740-759)	292	75	31	53	59	18	56
Short Gestation and Low Birth Weight (765)	211	112	2	2	86	3	6
Birth Trauma (767)	7	1	2	1	1	—	2
Intrauterine Hypoxia and Birth Asphyxia (768)	36	14	3	1	11	—	7
Respiratory Distress Syndrome (769)	181	81	12	6	63	12	7
Respiratory Conditions of Newborn (770)	137	48	9	18	43	6	13
Neonatal Hemorrhage (772)	23	9	2	3	7	2	—
Other Conditions Originating in the Perinatal Period (Rest of 760-779)	539	211	43	44	171	37	33
Sudden Infant Death Syndrome (798.0)	143	3	11	76	2	3	48
Injuries (E800-E999)	50	3	2	20	7	—	18
All other causes	147	18	6	62	13	6	42



**Table 32. Live Births, Infant and Maternal Mortality by Mother's Ethnic Group, New York City, 1980-1989**

Mother's Ethnic Group*	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
<b>Live Births, Total</b> .....	107,066	108,547	111,487	112,353	113,332	118,542	122,108	127,386	132,226	137,673
Puerto Rican .....	17,838	18,104	18,289	18,014	17,887	17,961	18,138	18,625	18,822	19,248
Other Hispanic .....	11,644	12,392	13,704	14,463	15,228	15,758	16,689	19,372	20,145	23,013
Asian .....	8,327	8,429	8,749	8,947	9,127	9,553	9,894	10,926	11,597	12,051
Other White .....	35,548	35,516	35,653	35,788	35,405	36,825	37,465	37,558	38,992	39,362
Other Black .....	32,809	33,429	34,644	34,749	35,212	37,616	39,064	40,020	41,356	43,069
All Other & Unknown .....	900	677	448	392	473	829	858	885	1,314	930
<b>Infant Deaths (Under 1 Year) Total</b> .....	1,719	1,678	1,705	1,603	1,540	1,591	1,566	1,673	1,770	1,827
Puerto Rican .....	280	265	296	244	263	226	240	240	241	257
Other Hispanic .....	139	133	154	141	133	139	156	182	186	219
Asian .....	93	80	74	75	76	76	63	65	79	93
Other White .....	466	439	409	388	363	368	323	350	353	321
Other Black .....	726	747	762	742	680	758	751	802	891	911
All Other & Unknown .....	15	14	11	13	25	24	33	34	20	26
<b>Infant Mortality Rate (1) Total</b> .....	16.1	15.5	15.3	14.3	13.6	13.4	12.8	13.1	13.4	13.3
Puerto Rican .....	15.7	14.6	16.2	13.5	14.7	12.6	13.2	12.9	12.8	13.4
Other Hispanic .....	11.9	10.7	11.2	9.7	8.7	8.8	9.3	9.4	9.2	9.5
Asian .....	11.2	9.5	8.5	8.4	8.3	8.0	6.4	5.9	6.8	7.7
Other White .....	13.1	12.4	11.5	10.8	10.3	10.0	8.6	9.3	9.1	8.2
Other Black .....	22.1	22.3	22.0	21.4	19.3	20.2	19.2	20.0	21.5	21.2
<b>Neonatal Deaths (Under 28 Days)</b>										
Total .....	1,203	1,144	1,173	1,070	1,014	1,082	1,078	1,139	1,232	1,253
Puerto Rican .....	187	169	198	166	165	141	157	157	159	172
Other Hispanic .....	103	88	100	102	97	100	117	134	133	153
Asian .....	64	58	52	47	53	45	47	42	59	60
Other White .....	339	318	301	274	267	268	254	251	264	238
Other Black .....	503	503	506	471	414	513	481	535	602	610
<b>Neonatal Mortality Rate (1) Total</b> .....	11.2	10.5	10.5	9.5	8.9	9.1	8.8	8.9	9.3	9.1
Puerto Rican .....	10.5	9.3	10.8	9.2	9.2	7.9	8.7	8.4	8.4	8.9
Other Hispanic .....	8.8	7.1	8.0	7.1	6.4	6.3	7.0	6.9	6.6	6.6
Asian .....	7.7	6.9	5.9	5.3	5.8	4.7	4.8	3.8	5.1	5.0
Other White .....	9.5	9.0	8.4	7.7	7.5	7.3	6.8	6.7	6.8	6.0
Other Black .....	15.3	15.0	14.6	13.6	11.8	13.6	12.3	13.4	14.6	14.2
<b>Maternal Deaths, Total</b> .....	41	33	37	44	21	30	29	28	26	29
Puerto Rican .....	9	3	5	3	1	1	4	2	2	4
Other Hispanic .....	0	4	6	8	3	6	0	4	6	2
Asian .....	1	1	1	1	0	1	2	6	1	1
Other White .....	7	6	8	7	4	3	6	3	2	2
Other Black .....	24	19	16	24	13	15	14	8	15	20
<b>Maternal Mortality Rate (2) Total</b> .....	3.8	3.0	3.3	3.9	1.9	2.5	2.4	2.2	2.0	2.1
Puerto Rican .....	5.0	1.7	2.7	1.7	0.6	0.6	2.2	1.1	1.1	2.1
Other Hispanic .....	—	3.2	4.4	5.5	2.0	3.8	—	2.1	3.0	0.9
Asian .....	1.2	1.2	1.1	1.1	—	1.0	2.0	5.5	0.9	0.8
Other White .....	2.0	1.7	2.2	2.0	1.1	0.8	1.6	0.8	0.5	0.5
Other Black .....	7.3	5.7	4.6	6.9	3.7	4.0	3.6	2.0	3.6	4.6

\*Puerto Rican, Other Hispanic and Asian are based on descent or origin regardless of race. 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 1,827 deaths, a rate of 13.3 and the neonatal mortality is 1,253 deaths, a rate of 9.1. By subtraction, the post-neonatal mortality is found to be 574 deaths, with a rate of 4.2.

Trauma deaths include homicide, suicide, accident and injury undetermined whether accidentally or purposely inflicted. There were 186 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 2,023 in 1986 to 1,489 in 1989 for this group is due to technical difficulties in the assignment procedure.



Table 33.

## Cases of Reportable Diseases, New York City, 1940-1989

Year	Pulmonary Tuberculosis	Measles	Scarlet Fever	Chickenpox	Whooping Cough	Meningococcal Meningitis	Polio	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
1989	2,118	135	108	4,307	19	50	0	13,748	4,362	40,533	9	2,170	16

\*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, 1980-1989

Sex/Risk Group	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
Male										
Intravenous Drug User	8	23	142	274	469	807	1,210	1,600	2,097	1,975
Sex with Men**	22	104	292	581	1,012	1,497	2,153	2,336	2,502	2,233
Transfusion/Hemophilia	0	0	0	2	10	16	28	35	38	13
Other	2	5	21	37	67	68	121	173	256	327
Total	32	132	455	894	1,558	2,388	3,512	4,144	4,893	4,548
Female										
Intravenous Drug User	0	8	20	67	100	168	275	430	560	570
Male Sex Partner	0	1	8	15	30	66	103	196	227	249
Transfusion/Hemophilia	0	0	0	4	7	5	15	20	12	6
Other	0	0	6	15	18	32	51	70	101	127
Total	0	9	34	101	155	271	444	716	900	952

\*Age 13 years and over; data previously published have been revised to include additional reports.

\*\*Excludes intravenous drug users.



## HIGHLIGHTS

In 1989, revised policy at the Office of the Chief Medical Examiner called for more intensive investigation of deaths related to drug abuse. As a result, about 60% of deaths related to drug use were classified as accidental drug poisonings, and about 40% as due to drug dependence. In prior years, virtually all drug-abuse deaths were classified as due to drug dependence (International Classification of Diseases, Ninth Revision, code 304).

In order to maintain continuity with previously published Vital Statistics, three new categories of cause of death have been added to various tables. "Accidental drug poisoning" appears in Tables 3, 8, and 17. "Accidents except drug poisoning" appears in Tables 4 and 5. "Drug dependence and accidental poisoning" is shown in Tables 3, 4 and 5.

The deaths due to accidental drug poisoning were given one of the following four codes of the International Classification of Diseases, Ninth Revision:

- E850.0 Accidental poisoning by opiates and related narcotics (includes heroin, methadone and morphine, among others).
- E854.1 Accidental poisoning by psychodysleptics (includes marijuana, among others).
- E855.2 Accidental poisoning by local anesthetics (includes cocaine, among others).
- E858.8 Accidental poisoning by other drugs (includes combinations of drugs).

Improved procedures have reduced the number of deaths with causes pending or undetermined at the close of the reporting year. Therefore, comparisons with previous years' deaths due to external causes, or those in the category "Ill-defined", should be made with caution.

## ERRATUM

**Table 13. Characteristics of Decedents With Selected Causes of Death, New York City, 1989 (Corrected)**

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 .....	75,957	11.8	3.0	57.0	24.0	4.2	52.6	23.9	3.7
AIDS .....	4,193	28.4	0.9	31.0	34.0	5.7	83.2	66.4	2.0
Chronic Liver Disease and Cirrhosis .....	1,086	25.4	1.5	40.4	28.3	4.4	70.1	26.5	-
Drug Dependence and Accidental Drug Poisoning .....	1,020	27.2	0.4	24.7	46.7	1.1	78.3	49.8	1.0
Motor Vehicle Accidents .....	663	19.6	5.4	48.6	25.2	1.2	69.5	42.8	13.9
Other Accidents .....	1,151	14.8	2.3	51.3	30.1	1.5	61.9	34.8	10.3
Suicide .....	703	20.9	6.7	52.1	18.1	2.3	73.5	43.0	3.7
Homicide .....	1,970	34.2	2.7	10.4	50.5	2.2	84.9	59.3	14.4
Injury Undetermined .....	186	18.3	1.1	32.8	39.2	8.6	71.5	34.9	12.4
All Other Causes .....	64,985	9.3	3.2	61.2	22.1	4.2	48.3	19.0	3.3

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