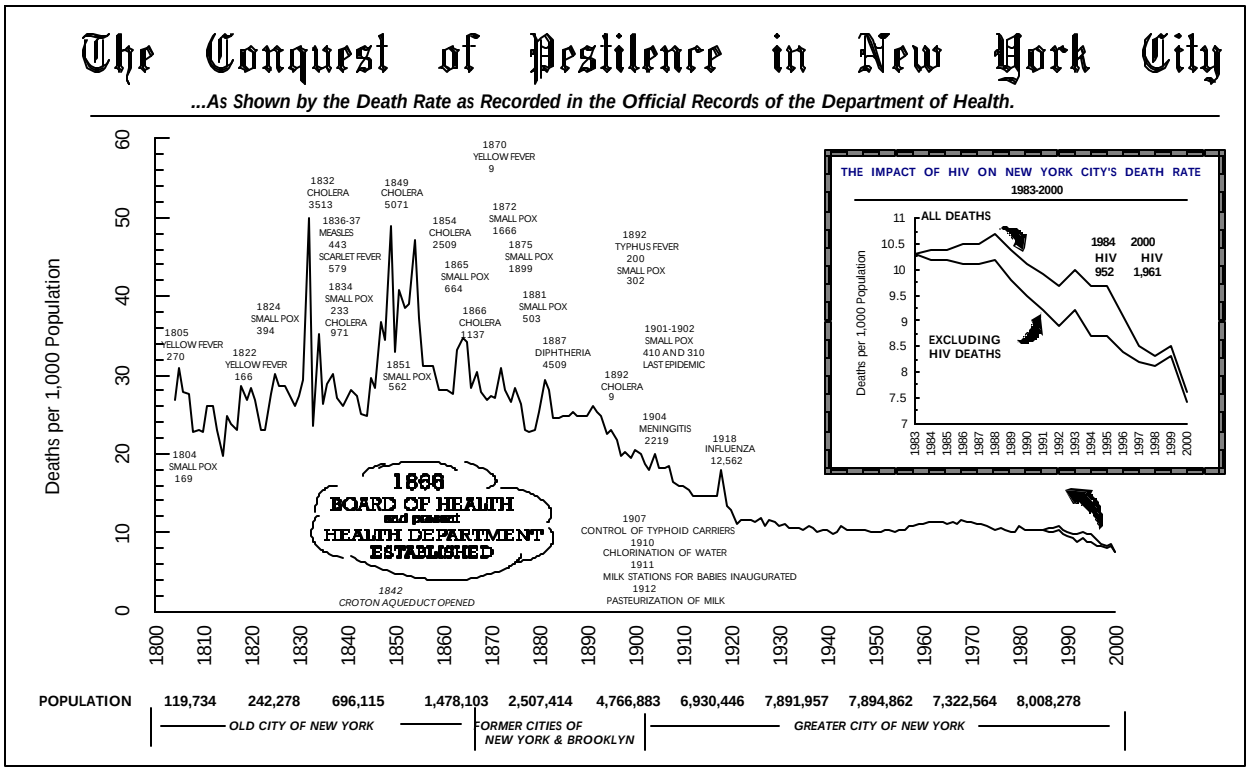
SUMMARY OF VITAL STATISTICS 2000
THE CITY OF NEW YORK



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Important Note on Using Cause-of-Death Data

Be careful when making comparisons between Cause-of-Death data for 1999-2000 and earlier years, as there may be breaks in trends.

The 1999 and 2000 Cause-of-Death data in this publication are not strictly comparable to 1998 data. Cause-of-death classifications were changed nationwide on January 1, 1999 by the introduction of the Tenth Revision of the International Classification of Diseases (ICD-10).

Look for ICD-10 information in tables, footnotes, the Special Note, the Technical Notes and in the Highlights.

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Table 1. Population, Births, Marriages, Deaths and Infant Mortality, New York City, 1898-2000

Year	Population April 1	Live Births		Marriages		Deaths		Infant Mortality	
		Total Reported	Rate per 1,000 Population	Total Reported	Rate per 1,000 Population	Total Reported	Rate per 1,000 Population	Deaths under one year	Rate per 1,000 live births
1898-1900	3,358,000	119,000	35.4	30,535	9.1	67,503	20.1	16,264	136.7
1901-1905	3,786,000	129,000	34.1	37,988	10.0	71,689	18.9	15,611	121.0
1906-1910	4,473,000	144,000	32.2	44,966	10.1	75,865	17.0	16,609	115.3
1911-1915	5,049,000	140,581	27.8	51,157	10.1	74,666	14.8	14,060	100.0
1916-1920	5,492,000	136,101	24.8	59,081	10.8	80,435	14.6	12,004	88.2
1921-1925	6,175,000	130,462	21.1	62,710	10.2	69,303	11.2	8,985	68.9
1926-1930	6,703,000	125,590	18.7	62,278	9.3	75,395	11.2	7,662	61.0
1931-1935	7,101,000	106,179	15.0	63,273	8.9	75,561	10.6	5,521	52.0
1936-1940	7,363,000	102,418	13.9	69,184	9.4	76,065	10.3	4,079	39.8
1941-1945	7,597,000	126,495	16.7	76,086	10.0	78,382	10.3	3,525	27.9
1946-1950	7,815,000	158,926	20.3	90,914	11.6	79,708	10.2	4,139	26.0
1951-1955	7,867,000	163,526	20.8	71,689	9.1	80,583	10.2	3,986	24.4
1956	7,831,000	165,553	21.1	70,291	9.0	81,118	10.4	4,052	24.5
1957	7,818,000	166,977	21.4	69,498	8.9	84,141	10.8	4,176	25.0
1958	7,806,000	167,775	21.5	67,594	8.7	84,586	10.8	4,435	26.4
1959	7,794,000	168,138	21.6	66,887	8.6	85,352	11.0	4,458	26.5
1960	7,781,984	166,300	21.4	67,133	8.6	86,252	11.1	4,328	26.0
1961	7,793,000	168,383	21.6	66,258	8.5	86,855	11.1	4,307	25.6
1962	7,805,000	165,244	21.2	65,512	8.4	87,089	11.2	4,510	27.3
1963	7,816,000	167,848	21.5	67,886	8.7	88,621	11.3	4,334	25.8
1964	7,828,000	165,695	21.2	70,053	8.9	88,026	11.2	4,438	26.8
1965	7,839,000	158,815	20.3	71,880	9.2	87,395	11.1	4,076	25.7
1966	7,850,000	153,335	19.5	66,689	8.5	88,418	11.3	3,819	24.9
1967	7,862,000	145,802	18.5	68,876	8.8	87,610	11.1	3,489	23.9
1968	7,873,000	141,920	18.0	73,307	9.3	91,169	11.6	3,282	23.1
1969	7,885,000	146,221	18.5	75,220	9.5	88,535	11.2	3,563	24.4
1970	7,894,862	149,192	18.9	74,174	9.4	88,161	11.2	3,230	21.6
1971	7,832,000	131,920	16.8	73,810	9.4	86,724	11.1	2,751	20.9
1972	7,731,000	117,088	15.1	73,253	9.5	85,363	11.0	2,321	19.8
1973	7,648,000	110,639	14.5	70,104	9.2	82,319	10.8	2,206	19.9
1974	7,566,000	110,642	14.6	61,925	8.2	79,846	10.6	2,175	19.7
1975	7,484,000	109,418	14.6	59,591	8.0	76,312	10.2	2,110	19.3
1976	7,401,000	109,995	14.9	55,829	7.5	77,538	10.5	2,092	19.0
1977	7,318,000	110,486	15.1	52,804	7.2	75,011	10.3	1,971	17.8
1978	7,236,000	106,720	14.7	54,247	7.5	73,081	10.1	1,827	17.1
1979	7,154,000	106,021	14.8	58,532	8.2	72,079	10.1	1,767	16.7
1980	7,071,639	107,066	15.1	58,637	8.3	76,625	10.8	1,719	16.1
1981	7,097,000	108,547	15.3	61,775	8.7	73,329	10.3	1,678	15.5
1982	7,122,000	111,487	15.7	66,619	9.4	73,083	10.3	1,706	15.3
1983	7,147,000	112,353	15.7	68,164	9.5	73,544	10.3	1,603	14.3
1984	7,172,000	113,332	15.8	76,336	10.6	74,278	10.4	1,540	13.6
1985	7,197,000	118,542	16.5	77,897	10.8	74,852	10.4	1,591	13.4
1986	7,222,000	122,108	16.9	82,199	11.4	75,702	10.5	1,566	12.8
1987	7,247,000	127,386	17.6	76,194	10.5	76,448	10.5	1,673	13.1
1988	7,272,000	132,226	18.2	74,137	10.2	77,817	10.7	1,770	13.4
1989	7,297,000	137,673	18.9	69,758	9.6	75,957	10.4	1,827	13.3
1990	7,322,564	139,630	19.1	71,301	9.7	73,875	10.1	1,620	11.6
1991	7,388,000	138,148	18.7	69,314	9.4	72,421	9.8	1,575	11.4
1992	7,455,000	136,002	18.2	71,947	9.7	71,001	9.5	1,390	10.2
1993	7,522,000	133,583	17.8	72,490	9.6	73,408	9.8	1,366	10.2
1994	7,590,000	133,662	17.6	70,438	9.3	71,038	9.4	1,207	9.0
1995	7,658,000	131,009	17.1	71,507	9.3	70,769	9.2	1,155	8.8
1996	7,727,000	126,901	16.4	79,361	10.3	66,784	8.6	992	7.8
1997	7,796,000	123,313	15.8	80,027	10.3	62,506	8.0	881	7.1
1998	7,866,000	124,252	15.8	53,661	6.8	61,010	7.8	843	6.8
1999	7,937,000	123,739	15.6	55,075	6.9	62,470	7.9	848	6.9
2000	8,008,278	125,563	15.7	58,291	7.3	60,839	7.6	839	6.7

Note: Figures for single years prior to 1956 appear in the annual summaries for 1965 and earlier. Figures for 1898-1913 births are estimated. Intercensal counts are interpolated; the interpolation from 1990 to 2000 uses an exponential formula. See Technical Notes.

Table 2.

Population by Age, Mutually Exclusive Race and Hispanic Origin, and Sex
New York City, 2000

Age in	All			Hispanic		Non-Hispanic White		Non-Hispanic Black		Asian and Pacific Islander		Other and Multiple Race	
Years	Total	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
All Ages	8,008,278	3,794,204	4,214,074	1,040,714	1,119,840	1,339,775	1,461,492	874,265	1,087,889	389,346	393,712	150,104	151,141
Under 5	540,878	276,635	264,243	95,028	90,573	69,385	64,844	74,025	72,241	24,661	23,512	13,536	13,073
5-9	561,115	286,155	274,960	99,841	96,898	64,415	61,070	84,514	82,157	24,650	22,999	12,735	11,836
10-14	530,816	270,582	260,234	89,896	87,438	63,749	59,643	81,901	80,649	23,898	21,664	11,138	10,840
15-19	520,641	265,285	255,356	90,054	84,147	64,459	61,752	75,121	75,996	24,907	23,175	10,744	10,286
20-24	589,831	285,353	304,478	96,127	93,644	84,197	91,276	62,784	74,684	30,098	32,456	12,147	12,418
25-29	680,659	326,702	353,957	95,571	97,089	118,265	121,636	60,399	79,053	38,957	42,487	13,510	13,692
30-34	687,362	335,119	352,243	94,088	97,065	122,074	114,809	66,139	87,088	38,567	39,574	14,251	13,707
35-39	660,901	322,637	338,264	86,337	93,124	112,499	102,718	71,452	92,782	38,126	36,600	14,223	13,040
40-44	602,379	289,976	312,403	71,434	80,800	104,276	101,354	65,798	84,934	36,069	33,876	12,399	11,439
45-49	531,118	250,093	281,025	57,413	68,753	98,247	101,218	54,687	72,403	29,740	29,075	10,006	9,576
50-54	481,267	220,318	260,949	48,018	59,416	94,292	103,855	46,333	64,817	23,970	24,812	7,705	8,049
55-59	369,105	165,458	203,647	36,296	45,401	71,534	81,322	36,687	54,489	15,740	16,643	5,201	5,792
60-64	314,349	139,938	174,411	29,447	37,816	62,265	72,131	30,509	45,404	13,549	14,197	4,168	4,863
65-69	259,167	112,153	147,014	20,654	29,878	55,519	66,657	22,799	35,493	10,254	11,399	2,927	3,587
70-74	235,627	95,920	139,707	14,091	23,371	55,055	73,614	17,442	30,812	7,067	8,709	2,265	3,201
75-79	193,221	73,139	120,082	8,604	16,386	45,666	70,676	12,486	24,424	4,878	6,036	1,505	2,560
80-84	128,139	44,146	83,993	4,588	9,805	29,514	53,233	6,640	15,795	2,510	3,575	894	1,585
85 & Over	121,703	34,595	87,108	3,227	8,236	24,364	59,684	4,549	14,668	1,705	2,923	750	1,597

Note: Data are from the Department of City Planning. See Technical Notes.

Table 3.

Deaths by Age, Ethnic Group, and Sex
New York City, 2000

Age in	All			Hispanic		Non-Hispanic White		Non-Hispanic Black		Asian and Pacific Islander		Other and Unknown	
Years	Total	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
All Ages	60,839	29,586	31,253	4,391	3,802	15,886	18,012	7,384	8,038	1,322	1,009	603	392
Under 5	964	536	428	91	87	173	123	224	172	32	34	16	12
5-9	75	46	29	10	3	15	13	12	8	6	4	3	1
10-14	94	58	36	13	7	19	14	23	12	3	2	-	1
15-19	242	168	74	45	21	47	17	63	32	9	2	4	2
20-24	451	323	128	80	33	85	46	142	42	12	5	4	2
25-29	517	353	164	88	40	98	44	135	68	24	10	8	2
30-34	860	535	325	157	73	160	78	192	155	19	14	7	5
35-39	1,235	776	459	209	109	244	122	267	207	38	13	18	8
40-44	1,797	1,127	670	284	153	389	169	360	308	48	27	46	13
45-49	2,406	1,536	870	343	161	528	262	569	399	50	32	46	16
50-54	2,893	1,814	1,079	410	199	690	385	592	429	73	49	49	17
55-59	3,090	1,869	1,221	366	209	764	488	600	457	86	50	53	17
60-64	3,824	2,226	1,598	421	271	966	636	681	605	117	61	41	25
65-69	4,855	2,698	2,157	431	370	1,339	976	722	701	150	78	56	32
70-74	6,194	3,295	2,899	402	409	1,883	1,517	809	824	139	114	62	35
75-79	7,705	3,803	3,902	387	456	2,342	2,271	813	970	182	146	79	59
80-84	7,968	3,434	4,534	337	427	2,287	2,989	619	943	143	131	48	44
85 & Over	15,669	4,989	10,680	317	774	3,857	7,862	561	1,706	191	237	63	101

Note: See the Technical Notes for a discussion of ethnic group.

Table 4. **Deaths by Cause by Decedent's Borough of Residence and Sex, and Comparability Ratio**
New York City, 2000

Cause (Codes from International Classification of Diseases, Tenth Revision, 1999)	Total	BOROUGH OF RESIDENCE							SEX		Preliminary Comparability Ratio
		Manhattan	Bronx	Brooklyn	Queens	Richmond	Non-Residents	Residence Unknown	Male	Female	
Total Deaths	60,839	11,003	9,597	17,913	14,574	3,377	4,051	324	29,586	31,253	
Natural Causes	58,386	10,600	9,193	17,202	14,037	3,269	3,849	236	27,819	30,567	
1.# Tuberculosis (A16-A19)	44	8	7	15	10	2	1	1	32	12	0.85
Respiratory tuberculosis (A16)	37	7	6	12	9	1	1	1	27	10	0.91
2.# Septicemia (A40-A41)	624	136	95	206	133	9	41	4	265	359	1.19
3.# Viral hepatitis (B15-B19)	311	71	63	68	46	9	49	5	206	105	0.83
4.# Human immunodeficiency virus (HIV) disease (B20-B24)	1,961	490	513	636	203	33	62	24	1,333	628	1.06
5. All other infective and parasitic diseases (Rest of A01-B99)	147	26	19	56	33	5	8	–	71	76	
6.# Malignant neoplasms (C00-C97)	14,100	2,683	1,957	3,862	3,230	821	1,515	32	6,841	7,259	1.01
Lip, oral cavity and pharynx (C00-C14)	203	42	21	80	30	5	24	1	133	70	0.96
Esophagus (C15)	346	85	55	86	75	10	35	–	228	118	1.00
Stomach (C16)	535	99	75	180	131	14	36	–	292	243	1.01
Colon, rectum and anus (C18-C21)	1,665	284	243	476	393	123	141	5	792	873	1.00
Liver and intrahepatic bile ducts (C22)	522	106	68	135	126	32	53	2	338	184	0.96
Pancreas (C25)	829	153	91	223	201	60	100	1	363	466	1.00
Larynx (C32)	159	33	32	41	31	9	13	–	127	32	1.00
Trachea, bronchus and lung (C33-C34)	3,180	597	424	861	775	228	285	10	1,790	1,390	0.98
Melanoma of skin (C43)	155	33	19	35	30	12	26	–	92	63	0.97
Breast (C50)	1,266	240	171	367	300	62	125	1	13	1,253	1.01
Cervix uteri (C53)	165	27	34	52	32	9	11	–	–	165	0.99
Corpus uteri and uterus, part unspecified (C54-C55)	250	45	39	73	51	11	31	–	–	250	1.03
Ovary (C56)	379	67	46	109	94	20	42	1	–	379	1.00
Prostate (C61)	853	166	137	252	182	40	74	2	853	–	1.01
Kidney and renal pelvis (C64-C65)	222	47	32	50	52	16	24	1	139	83	1.00
Bladder (C67)	302	71	52	66	69	21	22	1	198	104	1.00
Meninges, brain and other parts of central nervous system (C70-C72)	246	36	46	59	64	8	32	1	131	115	0.97
Lymphoid, hematopoietic and related tissues (C81-C96)	1,428	261	197	333	291	69	275	2	695	733	1.00
Hodgkin's disease (C81)	54	12	11	9	7	2	13	–	31	23	0.99
Non-Hodgkin's lymphoma (C82-C85)	571	98	75	136	125	33	102	2	300	271	0.98
Multiple myeloma and immunoproliferative neoplasms (C88, C90)	267	53	52	72	48	12	30	–	105	162	1.04
Leukemia (C91-C95)	535	98	59	116	110	22	130	–	258	277	1.01
7.# In situ or benign neoplasms and neoplasms of uncertain or unknown behavior (D00-D48)	289	55	38	82	64	6	44	–	136	153	1.67
8.# Anemias (D50-D64)	96	16	15	40	15	1	9	–	43	53	0.96
9.# Diabetes mellitus (E10-E14)	1,827	289	437	581	374	77	66	3	819	1,008	1.01
10.## Mental and behavioral disorders due to use of alcohol (F10)	310	61	44	96	74	12	4	19	257	53	
11. Mental and behavioral disorders due to use of psychoactive substance excluding alcohol and tobacco (F11-F16, F18-F19)	902	168	189	245	128	32	109	31	687	215	
## Mental and behavioral disorders due to use of or accidental poisoning by psychoactive substance excluding alcohol and tobacco (F11-F16, F18-F19, X40-X42, X44)	932	172	191	249	140	34	112	34	706	226	
12. Diseases of nervous system (G00-G98)	685	204	109	165	142	23	40	2	297	388	
# Meningitis (G00,G03)	43	6	15	13	4	–	4	1	20	23	1.01
# Parkinson's disease (G20-G21)	114	37	13	24	28	5	6	1	61	53	1.00
# Alzheimer's disease (G30)	211	75	33	44	44	7	8	–	64	147	1.55
13. Major cardiovascular diseases (I00-I78)	28,101	4,594	4,168	8,493	7,738	1,706	1,329	73	12,593	15,508	1.00
# Diseases of heart (I00-I09, I11,I13, I20-I51)	24,768	3,880	3,595	7,514	7,031	1,555	1,128	65	11,165	13,603	0.99
Acute rheumatic fever and chronic rheumatic heart diseases (I00-I09)	56	14	16	7	14	1	4	–	13	43	0.82
Hypertensive heart disease (I11)	1,130	316	255	264	217	29	44	5	536	594	0.80
Hypertensive heart and renal disease (I13)	50	11	10	16	11	1	1	–	27	23	1.07
Chronic ischemic heart disease (I20, I25)	16,755	2,302	2,415	5,121	5,084	1,057	725	51	7,490	9,265	1.01

Continued on next page.

Table 4. **Deaths by Cause by Decedent's Borough of Residence and Sex, and Comparability Ratio**
New York City, 2000 (Continued)

Cause (Codes from International Classification of Diseases, Tenth Revision, 1999)	Total	BOROUGH OF RESIDENCE							SEX		Preliminary Comparability Ratio
		Manhattan	Bronx	Brooklyn	Queens	Richmond	Non-Residents	Residence Unknown	Male	Female	
Acute myocardial infarction (I21-I22)	4,815	762	636	1,547	1,281	360	223	6	2,247	2,568	0.99
Cardiomyopathy (I42)	225	54	25	64	51	9	21	1	152	73	
Heart failure (I50)	837	188	123	241	181	61	42	1	317	520	1.04
# Essential hypertension and hypertensive renal disease (I10, I12)	783	151	162	251	139	50	29	1	312	471	1.12
# Cerebrovascular diseases (I60-I69)	1,960	438	319	555	449	75	118	6	818	1,142	1.06
# Atherosclerosis (I70)	189	31	34	66	44	6	8	–	83	106	0.96
# Aortic aneurysm and dissection (I71)	267	56	32	68	55	17	38	1	144	123	1.00
14.# Influenza and pneumonia (J10-J18)	2,267	572	377	614	417	184	96	7	1,056	1,211	0.70
15.# Chronic lower respiratory diseases (J40-J47)	1,609	298	287	423	388	143	67	3	737	872	1.05
Emphysema (J43)	146	32	16	34	48	7	9	–	71	75	0.97
Asthma (J45-J46)	213	44	65	53	36	6	7	2	97	116	0.89
16.# Pneumonitis due to solids and liquids (J69)	62	16	10	16	14	1	5	–	26	36	
17.# Peptic ulcer (K25-K28)	137	26	25	43	29	5	8	1	69	68	0.97
18.# Chronic liver disease and cirrhosis (K70, K73-K74)	568	92	121	169	113	25	43	5	401	167	1.04
Alcoholic liver disease (K70)	373	64	83	116	68	14	25	3	291	82	1.02
19.# Cholelithiasis and other disorders of gallbladder (K80-K82)	45	5	9	15	12	–	4	–	19	26	0.96
20.# Nephritis, nephrotic syndrome and nephrosis (N00-N07, N17-N19, N25-N27)	853	161	124	304	164	54	41	5	410	443	1.23
Renal failure (N17-N19)	848	161	123	302	162	54	41	5	409	439	1.29
21.# Pregnancy, childbirth and the puerperium (O00-O99)	34	5	6	11	6	–	6	–	–	34	
Maternal causes* (A34, O00-O95, O98-O99)	30	4	6	9	5	–	6	–	–	30	
22.# Certain conditions originating in the perinatal period (P00-P96)	502	60	100	165	107	20	49	1	278	224	1.07
23.# Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	285	31	49	81	49	11	63	1	150	135	0.85
24. Symptoms, signs and abnormal findings, not elsewhere classified (R00-R94, R96-R99)	134	30	21	49	25	2	5	2	61	73	
Pending final determination (R99)	8	4	–	2	1	–	–	1	4	4	
25. Sudden infant death syndrome (R95)	50	8	10	23	5	3	1	–	28	22	1.04
26. All other natural causes (Rest of A00-R99)	2,443	495	400	744	518	85	184	17	1,004	1,439	
External Causes	2,453	403	404	711	537	108	202	88	1,767	686	
Injury by firearms (W32-W34, X72-X74, X93-X95, Y22-Y24, Y35.0)	532	70	129	193	87	13	30	10	485	47	1.00
27.## Accidents (V01-X59,Y85-Y86)	1,074	172	132	303	291	50	100	26	681	393	1.03
Accidental poisoning by psychoactive substances, excluding alcohol and tobacco (X40-X42, X44)	30	4	2	4	12	2	3	3	19	11	
Motor vehicle accidents	368	47	48	113	88	22	44	6	245	123	0.85
Accidental falls (W00-W19)	380	70	47	93	114	17	33	6	215	165	0.84
28.# Intentional self-harm (suicide) (X60-X84, Y87.0)	448	95	59	112	98	25	49	10	349	99	1.00
29.# Assault (homicide) (X85-Y09, Y87.1)	714	103	184	238	109	21	38	21	587	127	1.00
30.# Legal Intervention (Y35, Y89.0)	9	–	–	5	2	–	2	–	8	1	
31. Events of undetermined intent (Y10-Y34, Y87.2, Y89.9)	155	25	19	37	28	10	5	31	119	36	
32.# Complications of medical and surgical care (Y40-Y84, Y88)	53	8	10	16	9	2	8	–	23	30	

Note: Beginning January 1, 1999 all causes were coded using ICD-10. The comparability ratio represents the net effects of changing from ICD-9 to ICD-10 for the selected cause or group of causes. (The preliminary comparability ratios are based on a nonrandom national sample of over 1.8 million 1996 death certificates processed by NCHS; final data, based on 2.3 million deaths, are not yet available.) See the Special Note on Cause-of-Death Coding and Tenth Revision of the ICD.

Motor vehicle accident codes include V02-V04, V09.0, V09.2, V12-V14, V19.0-V19.2, V19.4-V19.6, V20-V79, V80.3-V80.5, V81.0-V81.1, V82.0-V82.1, V83-V86, V87.0-V87.8, V88.0-V88.8, V89.0, V89.2.

* Excludes deaths occuring more than 42 days after the termination of pregnancy, and includes obstetrical tetanus. See Technical Notes.

\# Eligible to be ranked as leading causes nationally and in New York City. Several causes were added to this list in 2000; they are of relatively low frequency in New York City and do not affect rankings of leading causes in 1999 or 2000.

Three cause groups are treated differently in New York City than they are nationally. Mental and behavioral disorders due to use of alcohol and mental and behavioral disorders due to use of psychoactive substance excluding alcohol and tobacco are eligible to be ranked as leading causes in New York City because of the number of deaths and their public health importance. Accidental deaths are ranked without those due to poisoning by psychoactive substances excluding alcohol and tobacco. See the Special Note.

Table 5. **Leading Causes of Death* in Specified Age Groups by Sex**
New York City, 2000

Males			Females	
Deaths	Percent	ALL AGES	Deaths	Percent
11,165	37.7	Diseases of Heart	13,603	43.5
6,841	23.1	Malignant Neoplasms	7,259	23.2
1,056	3.6	Influenza and Pneumonia	1,211	3.9
1,333	4.5	Human Immunodeficiency Virus (HIV) Disease	628	2.0
818	2.8	Cerebrovascular Diseases	1,142	3.7
819	2.8	Diabetes Mellitus	1,008	3.2
737	2.5	Chronic Lower Respiratory Diseases	872	2.8
662	2.2	Accidents Except Poisoning by Psychoactive Substance	382	1.2
706	2.4	Use of or Poisoning by Psychoactive Substance	226	0.7
410	1.4	Nephritis, Nephrotic Syndrome and Nephrosis	443	1.4
5,039	17.0	All Other Causes	4,479	14.3
29,586	100.0	Total	31,253	100.0
		UNDER 1 YEAR		
92	20.0	Congenital Malformations, Deformations	79	20.9
68	14.8	Short Gestation and Low Birth Weight	64	16.9
56	12.1	Cardiovascular Disorders Originating in the Perinatal Period	38	10.1
37	8.0	Respiratory Distress of Newborn	23	6.1
28	6.1	Sudden Infant Death Syndrome	22	5.8
26	5.6	Other Respiratory Conditions Originating in the Perinatal Period	12	3.2
17	3.7	Bacterial Sepsis of Newborn	19	5.0
21	4.6	External Causes	15	4.0
14	3.0	Pulmonary Hemorrhage in the Perinatal Period	10	2.6
11	2.4	Necrotizing Enterocolitis of Newborn	9	2.4
91	19.7	All Other Causes	87	23.0
461	100.0	Total	378	100.0
		1 TO 14 YEARS		
32	17.9	Accidents Except Poisoning by Psychoactive Substance	23	20.0
29	16.2	Malignant Neoplasms	16	13.9
17	9.5	Congenital Malformations, Deformations	22	19.1
16	8.9	Assault (Homicide)	9	7.8
10	5.6	Diseases of Heart	7	6.1
10	5.6	Influenza and Pneumonia	3	2.6
7	3.9	Chronic Lower Respiratory Diseases	4	3.5
6	3.4	In Situ, Benign and Uncertain Neoplasms	1	0.9
3	1.7	Human Immunodeficiency Virus (HIV) Disease	4	3.5
3	1.7	Septicemia	2	1.7
5	2.8	Cerebrovascular Diseases	0	0.0
41	22.9	All Other Causes	24	20.9
179	100.0	Total	115	100.0
		15 TO 24 YEARS		
190	38.7	Assault (Homicide)	31	15.3
70	14.3	Accidents Except Poisoning by Psychoactive Substance	22	10.9
32	6.5	Malignant Neoplasms	35	17.3
54	11.0	Intentional Self-harm (Suicide)	11	5.4
36	7.3	Use of or Poisoning by Psychoactive Substance	11	5.4
17	3.5	Diseases of Heart	6	3.0
8	1.6	Human Immunodeficiency Virus (HIV) Disease	14	6.9
10	2.0	Congenital Malformations, Deformations	4	2.0
8	1.6	Chronic Lower Respiratory Diseases	4	2.0
7	1.4	Events of Undetermined Intent	1	0.5
59	12.0	All Other Causes	63	31.2
491	100.0	Total	202	100.0
		25 TO 34 YEARS		
133	15.0	Human Immunodeficiency Virus (HIV) Disease	100	20.4
192	21.6	Assault (Homicide)	20	4.1
132	14.9	Use of or Poisoning by Psychoactive Substance	46	9.4
64	7.2	Malignant Neoplasms	94	19.2
81	9.1	Accidents Except Poisoning by Psychoactive Substance	20	4.1
58	6.5	Diseases of Heart	34	7.0
60	6.8	Intentional Self-harm (Suicide)	13	2.7
20	2.3	Diabetes Mellitus	11	2.2
18	2.0	Events of Undetermined Intent	11	2.2
0	0.0	Pregnancy, Childbirth and the Puerperium	18	3.7
130	14.6	All Other Causes	122	24.9
888	100.0	Total	489	100.0

Note: The ten leading causes of death in each age group for both sexes combined are arranged in decreasing order of frequency; except that causes with fewer than five deaths are not shown. Totals may not equal 100.0% due to rounding.

See the Technical Notes for a discussion of HIV disease and AIDS as the cause of death.

*Beginning January 1, 1999 all causes were coded using ICD-10. See the Special Note on Cause-of-Death Coding and Table 4 for preliminary comparability ratios.

Males		35 TO 44 YEARS	Females	
Deaths	Percent		Deaths	Percent
456	24.0	Human Immunodeficiency Virus (HIV) Disease	239	21.2
228	12.0	Malignant Neoplasms	305	27.0
274	14.4	Use of or Poisoning by Psychoactive Substance	84	7.4
224	11.8	Diseases of Heart	106	9.4
99	5.2	Assault (Homicide)	23	2.0
95	5.0	Accidents Except Poisoning by Psychoactive Substance	27	2.4
79	4.2	Intentional Self-harm (Suicide)	21	1.9
35	1.8	Cerebrovascular Diseases	40	3.5
46	2.4	Chronic Liver Disease and Cirrhosis	18	1.6
41	2.2	Diabetes Mellitus	19	1.7
326	17.1	All Other Causes	247	21.9
1,903	100.0	Total	1,129	100.0
		45 TO 54 YEARS		
687	20.5	Malignant Neoplasms	711	36.5
780	23.3	Diseases of Heart	328	16.8
499	14.9	Human Immunodeficiency Virus (HIV) Disease	207	10.6
215	6.4	Use of or Poisoning by Psychoactive Substance	68	3.5
88	2.6	Cerebrovascular Diseases	85	4.4
130	3.9	Chronic Liver Disease and Cirrhosis	29	1.5
86	2.6	Diabetes Mellitus	61	3.1
101	3.0	Disorders due to Use of Alcohol	23	1.2
93	2.8	Accidents Except Poisoning by Psychoactive Substance	24	1.2
87	2.6	Viral Hepatitis	27	1.4
584	17.4	All Other Causes	386	19.8
3,350	100.0	Total	1,949	100.0
		55 TO 64 YEARS		
1,295	31.6	Malignant Neoplasms	1,198	42.5
1,409	34.4	Diseases of Heart	709	25.2
134	3.3	Diabetes Mellitus	113	4.0
132	3.2	Cerebrovascular Diseases	104	3.7
165	4.0	Human Immunodeficiency Virus (HIV) Disease	48	1.7
80	2.0	Chronic Lower Respiratory Diseases	73	2.6
101	2.5	Chronic Liver Disease and Cirrhosis	41	1.5
74	1.8	Influenza and Pneumonia	55	2.0
63	1.5	Nephritis, Nephrotic Syndrome and Nephrosis	47	1.7
46	1.1	Essential Hypertension and Hypertensive Renal Disease	48	1.7
596	14.6	All Other Causes	383	13.6
4,095	100.0	Total	2,819	100.0
		65 TO 74 YEARS		
2,384	39.8	Diseases of Heart	1,770	35.0
1,924	32.1	Malignant Neoplasms	1,786	35.3
232	3.9	Diabetes Mellitus	259	5.1
200	3.3	Chronic Lower Respiratory Diseases	169	3.3
195	3.3	Cerebrovascular Diseases	166	3.3
159	2.7	Influenza and Pneumonia	144	2.8
80	1.3	Nephritis, Nephrotic Syndrome and Nephrosis	93	1.8
64	1.1	Essential Hypertension and Hypertensive Renal Disease	86	1.7
75	1.3	Accidents Except Poisoning by Psychoactive Substance	46	0.9
52	0.9	Septicemia	64	1.3
628	10.5	All Other Causes	473	9.4
5,993	100.0	Total	5,056	100.0
		75 TO 84 YEARS		
3,450	47.7	Diseases of Heart	3,986	47.2
1,819	25.1	Malignant Neoplasms	1,994	23.6
349	4.8	Influenza and Pneumonia	314	3.7
214	3.0	Cerebrovascular Diseases	337	4.0
255	3.5	Chronic Lower Respiratory Diseases	285	3.4
195	2.7	Diabetes Mellitus	297	3.5
123	1.7	Nephritis, Nephrotic Syndrome and Nephrosis	129	1.5
76	1.1	Essential Hypertension and Hypertensive Renal Disease	145	1.7
88	1.2	Septicemia	98	1.2
84	1.2	Accidents Except Poisoning by Psychoactive Substance	88	1.0
584	8.1	All Other Causes	763	9.0
7,237	100.0	Total	8,436	100.0
		85 AND OVER		
2,825	56.6	Diseases of Heart	6,654	62.3
762	15.3	Malignant Neoplasms	1,119	10.5
377	7.6	Influenza and Pneumonia	630	5.9
138	2.8	Cerebrovascular Diseases	399	3.7
130	2.6	Chronic Lower Respiratory Diseases	255	2.4
106	2.1	Diabetes Mellitus	245	2.3
76	1.5	Essential Hypertension and Hypertensive Renal Disease	153	1.4
82	1.6	Nephritis, Nephrotic Syndrome and Nephrosis	136	1.3
46	0.9	Septicemia	128	1.2
61	1.2	Accidents Except Poisoning by Psychoactive Substance	102	1.0
386	7.7	All Other Causes	859	8.0
4,989	100.0	Total	10,680	100.0

Table 6. **Leading Causes of Death* in Specified Ethnic Groups by Sex**
New York City, 2000

Males			Females	
Deaths	Percent	PUERTO RICAN	Deaths	Percent
705	27.7	Diseases of Heart	751	33.5
461	18.1	Malignant Neoplasms	448	20.0
285	11.2	Human Immunodeficiency Virus (HIV) Disease	128	5.7
110	4.3	Diabetes Mellitus	141	6.3
68	2.7	Influenza and Pneumonia	102	4.6
72	2.8	Cerebrovascular Diseases	96	4.3
131	5.1	Chronic Liver Disease and Cirrhosis	23	1.0
71	2.8	Chronic Lower Respiratory Diseases	68	3.0
107	4.2	Use of or Poisoning by Psychoactive Substance	30	1.3
63	2.5	Accidents Except Poisoning by Psychoactive Substance	27	1.2
473	18.6	All Other Causes	425	19.0
2,546	100.0	Total	2,239	100.0
		OTHER HISPANIC		
497	26.9	Diseases of Heart	514	32.9
408	22.1	Malignant Neoplasms	404	25.8
123	6.7	Human Immunodeficiency Virus (HIV) Disease	43	2.8
75	4.1	Cerebrovascular Diseases	81	5.2
116	6.3	Assault (Homicide)	20	1.3
55	3.0	Influenza and Pneumonia	60	3.8
87	4.7	Accidents Except Poisoning by Psychoactive Substance	23	1.5
62	3.4	Diabetes Mellitus	48	3.1
68	3.7	Use of or Poisoning by Psychoactive Substance	10	0.6
30	1.6	Chronic Lower Respiratory Diseases	34	2.2
324	17.6	All Other Causes	326	20.9
1,845	100.0	Total	1,563	100.0
		ASIAN AND PACIFIC ISLANDER		
425	32.1	Diseases of Heart	331	32.8
373	28.2	Malignant Neoplasms	298	29.5
67	5.1	Cerebrovascular Diseases	62	6.1
62	4.7	Influenza and Pneumonia	42	4.2
36	2.7	Diabetes Mellitus	41	4.1
39	3.0	Accidents Except Poisoning by Psychoactive Substance	26	2.6
36	2.7	Chronic Lower Respiratory Diseases	22	2.2
23	1.7	Nephritis, Nephrotic Syndrome and Nephrosis	20	2.0
19	1.4	Essential Hypertension and Hypertensive Renal Disease	12	1.2
11	0.8	Congenital Malformations, Deformations	17	1.7
20	1.5	Intentional Self-harm (Suicide)	8	0.8
211	16.0	All Other Causes	130	12.9
1,322	100.0	Total	1,009	100.0
		OTHER WHITE		
7,078	44.6	Diseases of Heart	8,970	49.8
3,883	24.4	Malignant Neoplasms	4,211	23.4
633	4.0	Influenza and Pneumonia	741	4.1
420	2.6	Chronic Lower Respiratory Diseases	549	3.0
347	2.2	Cerebrovascular Diseases	566	3.1
309	1.9	Diabetes Mellitus	349	1.9
312	2.0	Accidents Except Poisoning by Psychoactive Substance	215	1.2
309	1.9	Use of or Poisoning by Psychoactive Substance	85	0.5
200	1.3	Nephritis, Nephrotic Syndrome and Nephrosis	188	1.0
139	0.9	Septicemia	179	1.0
2,256	14.2	All Other Causes	1,959	10.9
15,886	100.0	Total	18,012	100.0
		OTHER BLACK		
2,246	30.4	Diseases of Heart	2,882	35.9
1,624	22.0	Malignant Neoplasms	1,820	22.6
629	8.5	Human Immunodeficiency Virus (HIV) Disease	379	4.7
282	3.8	Diabetes Mellitus	415	5.2
238	3.2	Cerebrovascular Diseases	324	4.0
212	2.9	Influenza and Pneumonia	251	3.1
311	4.2	Assault (Homicide)	62	0.8
163	2.2	Chronic Lower Respiratory Diseases	192	2.4
199	2.7	Use of or Poisoning by Psychoactive Substance	95	1.2
115	1.6	Essential Hypertension and Hypertensive Renal Disease	177	2.2
1,365	18.5	All Other Causes	1,441	17.9
7,384	100.0	Total	8,038	100.0

Note: The ten leading causes of death in each ethnic group for both sexes combined are arranged in decreasing order of frequency.
Totals may not equal 100% due to rounding. Decedents of other and unknown ethnicities are not shown.
See the Technical Notes for a discussion of HIV Infection and AIDS as the cause of death.
*Beginning January 1, 1999 all causes were coded using ICD-10. See the Special Note on Cause-of-Death Coding and Table 4 for preliminary comparability ratios.

Table 7. Deaths and Death Rates per 100,000 Population from Selected Causes* by Health Center District of Residence, New York City, 2000

Health Center District	Population 2000 Census	All Causes		Heart Diseases		Malignant Neoplasms		HIV Disease		Influenza and Pneumonia		Cerebro-vascular Diseases		Chronic Lower Respiratory Diseases		Chronic Liver Disease & Cirrhosis		Diabetes Mellitus		Mental Disorders due to Substance & Accidental Poisoning		Accidents Except Poisoning		Intentional Self-harm (Suicide)		Assault (Homicide)		Events of Undetermined Intent	
		No.	Rate Per 1,000	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
NEW YORK CITY	8,008,278	60,839**	7.6	24,768	309.3	14,100	176.1	1,961	24.5	2,267	28.3	1,960	24.5	1,609	20.1	568	7.1	1,827	22.8	932	11.6	1,044	13.0	448	5.6	723	9.0	155	1.9
MANHATTAN	1,537,195	11,003	7.2	3,880	252.4	2,683	174.5	490	31.9	572	37.2	438	28.5	298	19.4	92	6.0	289	18.8	172	11.2	168	10.9	95	6.2	103	6.7	25	1.6
Central Harlem	123,781	1,323	10.7	419	338.5	298	240.7	85	68.7	45	36.4	52	42.0	37	29.9	14	11.3	52	42.0	30	24.2	17	13.7	5	4.0	24	19.4	2	1.6
East Harlem	136,172	1,102	8.1	334	245.3	258	189.5	69	50.7	59	43.3	42	30.8	30	22.0	9	6.6	45	33.0	21	15.4	12	8.8	7	5.1	12	8.8	4	2.9
Kips Bay-Yorkville	241,888	1,665	6.9	694	286.9	457	188.9	17	7.0	81	33.5	78	32.2	43	17.8	9	3.7	24	9.9	7	2.9	22	9.1	12	5.0	3	1.2	3	1.2
Lower East Side	242,760	1,843	7.6	605	249.2	467	192.4	109	44.9	80	33.0	67	27.6	57	23.5	13	5.4	43	17.7	30	12.4	32	13.2	19	7.8	8	3.3	6	2.5
Lower West Side	309,871	1,921	6.2	695	224.3	491	158.5	97	31.3	112	36.1	69	22.3	45	14.5	18	5.8	44	14.2	33	10.6	35	11.3	27	8.7	5	1.6	3	1.0
Riverside	203,527	1,544	7.6	590	289.9	341	167.5	59	29.0	118	58.0	60	29.5	34	16.7	13	6.4	35	17.2	23	11.3	20	9.8	11	5.4	11	5.4	4	2.0
Washington Heights	279,196	1,604	5.7	543	194.5	371	132.9	53	19.0	77	27.6	70	25.1	52	18.6	16	5.7	46	16.5	28	10.0	30	10.7	14	5.0	40	14.3	3	1.1
BRONX	1,332,650	9,597	7.2	3,595	269.8	1,957	146.9	513	38.5	377	28.3	319	23.9	287	21.5	121	9.1	437	32.8	191	14.3	130	9.8	59	4.4	184	13.8	19	1.4
Fordham-Riverdale	264,157	2,161	8.2	944	357.4	389	147.3	77	29.1	100	37.9	73	27.6	53	20.1	21	7.9	97	36.7	24	9.1	40	15.1	13	4.9	39	14.8	4	1.5
Morrisania	168,173	1,190	7.1	298	177.2	249	148.1	131	77.9	46	27.4	34	20.2	37	22.0	27	16.1	79	47.0	52	30.9	15	8.9	6	3.6	29	17.2	1	0.6
Mott Haven	138,675	821	5.9	244	176.0	161	116.1	66	47.6	21	15.1	26	18.7	28	20.2	22	15.9	47	33.9	22	15.9	13	9.4	5	3.6	18	13.0	3	2.2
Pelham Bay	244,452	2,099	8.6	928	379.6	441	180.4	37	15.1	100	40.9	66	27.0	64	26.2	12	4.9	81	33.1	16	6.5	23	9.4	7	2.9	35	14.3	8	3.3
Tremont	215,636	1,088	5.0	263	122.0	212	98.3	138	64.0	22	10.2	45	20.9	35	16.2	16	7.4	61	28.3	35	16.2	16	7.4	12	5.6	38	17.6	2	0.9
Westchester	301,557	2,238	7.4	918	304.4	505	167.5	64	21.2	88	29.2	75	24.9	70	23.2	23	7.6	72	23.9	42	13.9	23	7.6	16	5.3	25	8.3	1	0.3
BROOKLYN	2,465,326	17,913	7.3	7,514	304.8	3,862	156.7	636	25.8	614	24.9	555	22.5	423	17.2	169	6.9	581	23.6	249	10.1	299	12.1	112	4.5	243	9.9	37	1.5
Bay Ridge	271,224	2,319	8.6	1,178	434.3	533	196.5	14	5.2	68	25.1	53	19.5	63	23.2	18	6.6	40	14.7	21	7.7	33	12.2	12	4.4	4	1.5	4	1.5
Bedford	230,175	1,751	7.6	566	245.9	374	162.5	122	53.0	57	24.8	80	34.8	37	16.1	11	4.8	95	41.3	33	14.3	19	8.3	8	3.5	39	16.9	3	1.3
Brownsville	301,771	1,936	6.4	683	226.3	415	137.5	111	36.8	53	17.6	75	24.9	41	13.6	23	7.6	78	25.8	37	12.3	47	15.6	11	3.6	49	16.2	3	1.0
Bushwick	193,661	1,062	5.5	336	173.5	211	109.0	72	37.2	32	16.5	38	19.6	27	13.9	14	7.2	45	23.2	31	16.0	25	12.9	9	4.6	28	14.5	1	0.5
Flatbush	538,519	3,487	6.5	1,533	284.7	774	143.7	89	16.5	137	25.4	96	17.8	74	13.7	19	3.5	85	15.8	28	5.2	65	12.1	21	3.9	58	10.8	9	1.7
Fort Greene	152,636	1,226	8.0	393	257.5	233	152.7	96	62.9	53	34.7	41	26.9	40	26.2	25	16.4	60	39.3	26	17.0	21	13.8	13	8.5	24	15.7	3	2.0
Gravesend	309,623	3,157	10.2	1,617	522.2	696	224.8	23	7.4	112	36.2	70	22.6	62	20.0	14	4.5	75	24.2	23	7.4	48	15.5	11	3.6	16	5.2	8	2.6
Red Hook-Gowanus	111,434	831	7.5	309	277.3	161	144.5	40	35.9	40	35.9	30	26.9	30	26.9	17	15.3	46	41.3	11	9.9	9	8.1	8	7.2	5	4.5	1	0.9
Sunset Park	195,945	1,164	5.9	521	265.9	270	137.8	28	14.3	29	14.8	37	18.9	23	11.7	12	6.1	23	11.7	15	7.7	14	7.1	9	4.6	7	3.6	2	1.0
Williamsburg-Greenpoin	160,338	978	6.1	378	235.8	194	121.0	41	25.6	32	20.0	35	21.8	26	16.2	16	10.0	34	21.2	24	15.0	18	11.2	10	6.2	13	8.1	3	1.9
QUEENS	2,229,379	14,574	6.5	7,031	315.4	3,230	144.9	203	9.1	417	18.7	449	20.1	388	17.4	113	5.1	374	16.8	140	6.3	279	12.5	98	4.4	111	5.0	28	1.3
Astoria	270,535	1,576	5.8	743	274.6	339	125.3	19	7.0	38	14.0	55	20.3	49	18.1	23	8.5	42	15.5	24	8.9	37	13.7	9	3.3	11	4.1	6	2.2
Corona	365,234	1,650	4.5	732	200.4	379	103.8	22	6.0	78	21.4	55	15.1	40	11.0	9	2.5	30	8.2	27	7.4	29	7.9	20	5.5	9	2.5	3	0.8
Flushing	498,318	3,519	7.1	1,804	362.0	865	173.6	20	4.0	106	21.3	92	18.5	94	18.9	19	3.8	65	13.0	21	4.2	57	11.4	13	2.6	13	2.6	6	1.2
Jamaica East	378,044	2,411	6.4	1,045	276.4	517	136.8	75	19.8	56	14.8	75	19.8	54	14.3	19	5.0	101	26.7	16	4.2	40	10.6	9	2.4	40	10.6	3	0.8
Jamaica West	421,894	2,993	7.1	1,495	354.4	573	135.8	53	12.6	75	17.8	93	22.0	92	21.8	30	7.1	69	16.4	31	7.3	64	15.2	23	5.5	30	7.1	5	1.2
Maspeth-Forest Hills	295,354	2,425	8.2	1,212	410.4	557	188.6	14	4.7	64	21.7	79	26.7	59	20.0	13	4.4	67	22.7	21	7.1	52	17.6	24	8.1	8	2.7	5	1.7
RICHMOND	443,728	3,377	7.6	1,555	350.4	821	185.0	33	7.4	184	41.5	75	16.9	143	32.2	25	5.6	77	17.4	34	7.7	48	10.8	25	5.6	21	4.7	10	2.3
NON-RESIDENTS	–	4,051	–	1,128	–	1,515	–	62	–	96	–	118	–	67	–	43	–	66	–	112	–	97	–	49	–	40	–	5	–
RESIDENCE UNKNOWN	–	324	–	65	–	32	–	24	–	7	–	6	–	3	–	5	–	3	–	34	–	23	–	10	–	21	–	31	–

*Beginning January 1, 1999 all causes were coded using ICD-10. See the Special Note on Cause-of-Death Coding.

**Deaths include events to non-residents

See the Technical Notes for a discussion of HIV disease and AIDS as the cause of death.

Table 8. **Deaths and Death Rates per 100,000 Population from Selected Causes* by Community District of Residence, New York City, 2000**

Community	Population	All Causes (Rate per 1,000)		Heart Diseases		Malignant Neoplasms		HIV Diseases		Influenza and Pneumonia		Cerebro-Vascular Diseases		Chronic Lower Respiratory Diseases		Chronic Liver Disease & Cirrhosis		Diabetes Mellitus		Mental Disorders due to Substance & Accidental Poisoning		Accidents Except Drug Poisoning		Intentional Self-harm (Suicide)		Assault (Homicide)		Events of Undetermined Intent	
District	2000 Census	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Manhattan	1,537,195	10,960	7.1	3,867	251.6	2,675	174.0	487	31.7	572	37.2	436	28.4	298	19.4	90	5.9	288	18.7	170	11.1	167	10.9	95	6.2	101	6.6	25	1.6
01	34,420	110	3.2	39	113.3	32	93.0	4	11.6	5	14.5	7	20.3	2	5.8	1	2.9	1	2.9	2	5.8	4	11.6	2	5.8	–	–	–	–
02	93,119	556	6.0	210	225.5	148	158.9	23	24.7	38	40.8	15	16.1	14	15.0	3	3.2	13	14.0	9	9.7	11	11.8	5	5.4	–	–	–	–
03	164,407	1,291	7.9	413	251.2	294	178.8	87	52.9	64	38.9	51	31.0	42	25.5	11	6.7	35	21.3	23	14.0	24	14.6	12	7.3	5	3.0	4	2.4
04	87,479	640	7.3	221	252.6	147	168.0	48	54.9	34	38.9	19	21.7	16	18.3	12	13.7	17	19.4	15	17.1	15	17.1	11	12.6	4	4.6	3	3.4
05	44,028	283	6.4	99	224.9	66	149.9	19	43.2	14	31.8	16	36.3	7	15.9	–	–	7	15.9	6	13.6	2	4.5	5	11.4	1	2.3	–	–
06	136,152	929	6.8	342	251.2	290	213.0	23	16.9	33	24.2	35	25.7	25	18.4	5	3.7	9	6.6	8	5.9	12	8.8	12	8.8	4	2.9	3	2.2
07	207,699	1,540	7.4	597	287.4	369	177.7	48	23.1	105	50.6	62	29.9	37	17.8	12	5.8	31	14.9	16	7.7	19	9.1	11	5.3	8	3.9	4	1.9
08	217,063	1,469	6.8	610	281.0	394	181.5	16	7.4	75	34.6	63	29.0	37	17.0	6	2.8	25	11.5	5	2.3	21	9.7	9	4.1	4	1.8	3	1.4
09	111,724	753	6.7	253	226.5	156	139.6	44	39.4	42	37.6	27	24.2	14	12.5	9	8.1	29	26.0	20	17.9	11	9.8	8	7.2	21	18.8	2	1.8
10	107,109	1,127	10.5	351	327.7	260	242.7	73	68.2	37	34.5	45	42.0	24	22.4	13	12.1	45	42.0	27	25.2	14	13.1	4	3.7	21	19.6	2	1.9
11	117,743	1,112	9.4	331	281.1	244	207.2	77	65.4	59	50.1	44	37.4	38	32.3	10	8.5	51	43.3	24	20.4	12	10.2	6	5.1	13	11.0	3	2.5
12	208,414	1,149	5.5	401	192.4	275	131.9	24	11.5	66	31.7	52	25.0	42	20.2	8	3.8	25	12.0	15	7.2	22	10.6	10	4.8	20	9.6	1	0.5
Bronx	1,332,650	9,640	7.2	3,608	270.7	1,965	147.5	516	38.7	377	28.3	321	24.1	287	21.5	123	9.2	438	32.9	193	14.5	131	9.8	59	4.4	186	14.0	19	1.4
01	82,159	530	6.5	151	183.8	102	124.1	52	63.3	15	18.3	20	24.3	20	24.3	14	17.0	30	36.5	13	15.8	8	9.7	5	6.1	9	11.0	3	3.7
02	46,824	286	6.1	81	173.0	59	126.0	19	40.6	7	14.9	6	12.8	8	17.1	8	17.1	17	36.3	16	34.2	4	8.5	2	4.3	8	17.1	–	–
03	68,574	514	7.5	129	188.1	106	154.6	68	99.2	12	17.5	15	21.9	14	20.4	16	23.3	27	39.4	24	35.0	7	10.2	4	5.8	17	24.8	1	1.5
04	139,563	862	6.2	222	159.1	178	127.5	75	53.7	41	29.4	28	20.1	29	20.8	14	10.0	49	35.1	31	22.2	12	8.6	4	2.9	21	15.0	1	0.7
05	128,313	619	4.8	152	118.5	132	102.9	87	67.8	9	7.0	27	21.0	22	17.1	10	7.8	30	23.4	11	8.6	8	6.2	7	5.5	23	17.9	–	–
06	75,688	491	6.5	143	188.9	95	125.5	56	74.0	8	10.6	12	15.9	11	14.5	4	5.3	48	63.4	15	19.8	10	13.2	2	2.6	15	19.8	2	2.6
07	141,411	911	6.4	339	239.7	150	106.1	49	34.7	43	30.4	35	24.8	24	17.0	17	12.0	48	33.9	15	10.6	19	13.4	9	6.4	27	19.1	1	0.7
08	101,332	1,103	10.9	549	541.8	199	196.4	12	11.8	55	54.3	37	36.5	25	24.7	5	4.9	36	35.5	10	9.9	17	16.8	3	3.0	6	5.9	2	2.0
09	167,859	1,057	6.3	373	222.2	229	136.4	44	26.2	45	26.8	44	26.2	25	14.9	18	10.7	47	28.0	25	14.9	11	6.6	8	4.8	16	9.5	–	–
10	115,948	1,134	9.8	515	444.2	277	238.9	10	8.6	49	42.3	36	31.0	38	32.8	5	4.3	29	25.0	18	15.5	10	8.6	8	6.9	6	5.2	2	1.7
11	110,706	1,150	10.4	539	486.9	223	201.4	19	17.2	51	46.1	33	29.8	43	38.8	5	4.5	40	36.1	7	6.3	12	10.8	5	4.5	14	12.6	4	3.6
12	149,077	983	6.6	415	278.4	215	144.2	25	16.8	42	28.2	28	18.8	28	18.8	7	4.7	37	24.8	8	5.4	13	8.7	2	1.3	24	16.1	3	2.0
Brooklyn	2,465,326	17,913	7.3	7,514	304.8	3,862	156.7	636	25.8	614	24.9	555	22.5	423	17.2	169	6.9	581	23.6	249	10.1	299	12.1	112	4.5	243	9.9	37	1.5
01	160,338	978	6.1	378	235.8	194	121.0	41	25.6	32	20.0	35	21.8	26	16.2	16	10.0	34	21.2	24	15.0	18	11.2	10	6.2	13	8.1	3	1.9
02	98,620	793	8.0	261	264.7	151	153.1	46	46.6	41	41.6	24	24.3	28	28.4	10	10.1	40	40.6	14	14.2	18	18.3	4	4.1	11	11.2	2	2.0
03	143,867	1,193	8.3	384	266.9	226	157.1	98	68.1	40	27.8	51	35.4	28	19.5	19	13.2	61	42.4	27	18.8	15	10.4	9	6.3	26	18.1	3	2.1
04	104,358	598	5.7	177	169.6	121	115.9	48	46.0	18	17.2	22	21.1	13	12.5	10	9.6	23	22.0	18	17.2	14	13.4	5	4.8	17	16.3	–	–
05	173,198	1,071	6.2	364	210.2	242	139.7	64	37.0	31	17.9	44	25.4	26	15.0	12	6.9	45	26.0	22	12.7	27	15.6	8	4.6	28	16.2	2	1.2
06	104,054	778	7.5	287	275.8	163	156.6	39	37.5	38	36.5	27	25.9	26	25.0	15	14.4	41	39.4	14	13.5	7	6.7	12	11.5	5	4.8	–	–
07	120,063	659	5.5	229	190.7	172	143.3	22	18.3	14	11.7	20	16.7	17	14.2	10	8.3	16	13.3	16	13.3	14	11.7	4	3.3	6	5.0	1	0.8
08	96,076	703	7.3	212	220.7	155	161.3	46	47.9	26	27.1	31	32.3	16	16.7	8	8.3	36	37.5	13	13.5	8	8.3	2	2.1	17	17.7	–	–
09	104,014	636	6.1	245	235.5	128	123.1	32	30.8	22	21.2	33	31.7	13	12.5	3	2.9	28	26.9	6	5.8	7	6.7	3	2.9	14	13.5	2	1.9
10	122,542	1,126	9.2	563	459.4	257	209.7	6	4.9	26	21.2	30	24.5	32	26.1	6	4.9	15	12.2	10	8.2	16	13.1	5	4.1	1	0.8	2	1.6
11	172,129	1,516	8.8	810	470.6	347	201.6	9	5.2	47	27.3	31	18.0	43	25.0	13	7.6	32	18.6	10	5.8	21	12.2	9	5.2	4	2.3	3	1.7
12	185,046	1,222	6.6	643	347.5	259	140.0	7	3.8	47	25.4	27	14.6	35	18.9	4	2.2	22	11.9	5	2.7	14	7.6	4	2.2	5	2.7	4	2.2
13	106,120	1,349	12.7	693	653.0	275	259.1	16	15.1	57	53.7	31	29.2	21	19.8	8	7.5	37	34.9	10	9.4	19	17.9	5	4.7	10	9.4	4	3.8
14	168,806	1,082	6.4	472	279.6	232	137.4	39	23.1	49	29.0	29	17.2	19	11.3	3	1.8	27	16.0	12	7.1	18	10.7	10	5.9	18	10.7	4	2.4
15	160,319	1,489	9.3	757	472.2	347	216.4	4	2.5	43	26.8	34	21.2	30	18.7	6	3.7	29	18.1	12	7.5	24	15.0	4	2.5	5	3.1	4	2.5
16	85,343	610	7.1	181	212.1	128	150.0	60	70.3	13	15.2	22	25.8	13	15.2	6	7.0	28	32.8	20	23.4	11	12.9	5	5.9	18	21.1	2	2.3
17	165,753	839	5.1	271	163.5	199	120.1	41	24.7	30	18.1	23	13.9	16	9.7	9	5.4	28	16.9	12	7.2	22	13.3	2	1.2	23	13.9	–	–
18	194,653	1,266	6.5	584	300.0	265	136.1	18	9.2	39	20.0	41	21.1	21	10.8	11	5.7	39	20.0	4	2.1	26	13.4	11	5.7	22	11.3	1	0.5

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Table 8. Deaths and Death Rates per 100,000 Population from Selected Causes* by Community District of Residence, New York City, 2000 (Continued)

Community District	Population 2000 Census	All Causes (Rate per 1,000)		Heart Diseases		Malignant Neoplasms		HIV Diseases		Influenza and Pneumonia		Cerebro-Vascular Diseases		Chronic Lower Respiratory Diseases		Chronic Liver Disease & Cirrhosis		Diabetes Mellitus		Mental Disorders due to Substance & Accidental Poisoning		Accidents Except Drug Poisoning		Intentional Self-harm (Suicide)		Assault (Homicide)		Events of Undetermined Intent	
		No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Queens	2,229,379	14,574	6.5	7,031	315.4	3,230	144.9	203	9.1	417	18.7	449	20.1	388	17.4	113	5.1	374	16.8	140	6.3	279	12.5	98	4.4	111	5.0	28	1.3
01	211,220	1,146	5.4	536	253.8	244	115.5	18	8.5	26	12.3	36	17.0	39	18.5	13	6.2	35	16.6	18	8.5	29	13.7	7	3.3	9	4.3	6	2.8
02	109,920	614	5.6	289	262.9	150	136.5	4	3.6	20	18.2	22	20.0	12	10.9	11	10.0	9	8.2	11	10.0	11	10.0	2	1.8	2	1.8	–	–
03	169,083	872	5.2	384	227.1	194	114.7	11	6.5	39	23.1	28	16.6	23	13.6	4	2.4	17	10.1	19	11.2	16	9.5	10	5.9	7	4.1	2	1.2
04	167,005	643	3.9	280	167.7	146	87.4	10	6.0	36	21.6	27	16.2	17	10.2	4	2.4	11	6.6	4	2.4	10	6.0	12	7.2	2	1.2	1	0.6
05	165,911	1,283	7.7	621	374.3	277	167.0	8	4.8	25	15.1	51	30.7	39	23.5	11	6.6	36	21.7	16	9.6	31	18.7	10	6.0	6	3.6	3	1.8
06	115,967	1,018	8.8	533	459.6	246	212.1	2	1.7	34	29.3	25	21.6	18	15.5	2	1.7	30	25.9	4	3.4	20	17.2	11	9.5	2	1.7	2	1.7
07	242,952	1,837	7.6	998	410.8	395	162.6	12	4.9	49	20.2	46	18.9	60	24.7	11	4.5	31	12.8	12	4.9	32	13.2	8	3.3	9	3.7	2	0.8
08	146,594	1,015	6.9	497	339.0	233	158.9	12	8.2	35	23.9	40	27.3	20	13.6	11	7.5	22	15.0	7	4.8	16	10.9	3	2.0	2	1.4	4	2.7
09	141,608	769	5.4	332	234.5	173	122.2	14	9.9	19	13.4	26	18.4	23	16.2	9	6.4	16	11.3	4	2.8	18	12.7	9	6.4	10	7.1	1	0.7
10	127,274	772	6.1	346	271.9	168	132.0	14	11.0	18	14.1	27	21.2	28	22.0	7	5.5	26	20.4	11	8.6	19	14.9	7	5.5	9	7.1	2	1.6
11	116,404	728	6.3	352	302.4	210	180.4	1	0.9	24	20.6	16	13.7	13	11.2	3	2.6	15	12.9	4	3.4	9	7.7	2	1.7	1	0.9	–	–
12	223,602	1,564	7.0	633	283.1	330	147.6	66	29.5	29	13.0	47	21.0	33	14.8	13	5.8	73	32.6	13	5.8	35	15.7	5	2.2	26	11.6	2	0.9
13	196,284	1,051	5.4	478	243.5	274	139.6	13	6.6	29	14.8	30	15.3	27	13.8	5	2.5	32	16.3	5	2.5	17	8.7	4	2.0	15	7.6	1	0.5
14	106,686	1,252	11.7	747	700.2	188	176.2	16	15.0	34	31.9	28	26.2	36	33.7	9	8.4	21	19.7	12	11.2	16	15.0	8	7.5	11	10.3	2	1.9
Staten Island	443,728	3,377	7.6	1,555	350.4	821	185.0	33	7.4	184	41.5	75	16.9	143	32.2	25	5.6	77	17.4	34	7.7	48	10.8	25	5.6	21	4.7	10	2.3
01	162,609	1,356	8.3	594	365.3	312	191.9	26	16.0	92	56.6	29	17.8	56	34.4	11	6.8	37	22.8	12	7.4	20	12.3	11	6.8	15	9.2	3	1.8
02	127,071	1,139	9.0	547	430.5	262	206.2	2	1.6	67	52.7	24	18.9	55	43.3	8	6.3	23	18.1	16	12.6	16	12.6	5	3.9	4	3.1	5	3.9
03	152,908	880	5.8	414	270.8	247	161.5	5	3.3	25	16.3	22	14.4	32	20.9	6	3.9	17	11.1	6	3.9	12	7.8	9	5.9	2	1.3	2	1.3

Note: Borough populations, which are county census figures, do not equal the sum of the community district populations, which are based on service delivery areas. See the Technical Notes for a discussion of the number, construction and names of community districts.

* Beginning January 1, 1999 all causes were coded using ICD-10. See the Special Note on Cause-of-Death Coding.

Table 9. **Deaths by Place of Death**
New York City, 1990 - 2000

Place of Death	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Home	13,204	13,271	13,293	13,943	12,822	12,973	12,197	11,800	11,647	11,911	11,163
Hospital											
Voluntary	40,023	39,503	39,009	39,682	39,103	39,609	37,288	34,612	33,911	34,825	34,208
Proprietary	2,646	2,710	2,610	2,638	2,520	1,928	1,837	1,672	1,460	1,198	842
Municipal	10,202	9,376	8,517	8,845	8,231	7,710	7,046	6,158	5,716	5,784	5,598
Other Government	1,335	1,223	1,254	1,213	1,172	1,053	959	925	812	847	866
Nursing Home	3,891	3,791	3,848	4,564	5,110	5,551	5,753	5,746	5,880	6,475	6,632
Other Specified Place	2,574	2,547	2,468	2,516	2,080	1,945	1,704	1,593	1,584	1,430	1,530
Total	73,875	72,421	71,001	73,408	71,038	70,769	66,784	62,506	61,010	62,470	60,839

Table 10. **Deaths by Decedent Ancestry and Borough of Residence**
New York City, 2000

		Borough of Residence					Non-	Residence
Ancestry	Total	Manhattan	Bronx	Brooklyn	Queens	Richmond	Residents	Unknown
Puerto Rican	4,785	1,099	1,816	1,225	423	71	132	19
Dominican	1,095	449	306	170	152	2	15	1
Colombian	217	24	6	22	152	4	7	2
Ecuadorian	235	37	36	54	96	1	11	–
Mexican	152	30	30	44	33	7	7	1
Cuban	448	161	65	54	136	8	22	2
Other Hispanic	1,263	192	262	379	306	37	56	31
African-American	12,592	2,655	2,640	4,220	2,376	200	452	49
American	13,819	3,094	1,606	3,205	3,232	1,217	1,446	19
Guyanese	439	10	39	177	197	2	14	–
Haitian	537	19	8	332	139	4	34	1
Jamaican	609	18	168	308	73	2	40	–
Trinidadian	274	8	17	182	42	5	20	–
All Other North, Central and South American	980	84	160	451	231	8	44	2
English	315	64	27	56	78	49	40	1
German	1,654	305	173	175	747	96	154	4
Irish	2,727	330	368	515	909	305	298	2
Italian	6,428	370	715	2,176	1,729	932	500	6
Polish	1,652	213	171	605	469	80	113	1
Russian	1,461	157	110	817	301	36	38	2
Other European	2,788	486	207	844	992	105	151	3
Asian Indian	250	21	15	29	134	12	37	2
Bangladeshi	77	7	3	16	48	–	3	–
Chinese	1,398	482	41	390	404	22	56	3
Filipino	195	30	10	26	89	12	28	–
Korean	237	8	16	14	159	14	26	–
Pakistani	87	4	3	29	40	4	7	–
Other Asian	434	64	48	140	118	18	46	–
Jewish or Hebrew	1,741	202	158	822	384	32	139	4
Other & Not Stated	1,950	380	373	436	385	92	115	169
Total	60,839	11,003	9,597	17,913	14,574	3,377	4,051	324

Note: See the Technical Notes for a discussion of race, ancestry and ethnicity.

Table 11. **Selected Characteristics of Deaths Due to Fatal Occupational Injuries**
New York City, 2000

		Sex		Age Group				
Characteristic	All Deaths	Male	Female	< 25	25-34	35-44	45-54	55 +
Selected Events								
Transportation incident	16	15	1	0	5	6	2	3
Assaults and violent acts	58	53	5	6	12	19	17	4
Homicide	47	44	3	5	10	16	13	3
Shooting	41	38	3	5	8	15	11	2
Falls	18	18	0	1	6	7	2	2
Selected Industries								
Construction	30	30	0	1	6	11	8	4
Taxicabs	12	11	1	1	3	3	5	0
Grocery stores	11	11	0	2	2	4	3	0
Eating and drinking places	11	10	1	2	4	3	1	1
Police and fire protection	3	3	0	0	2	1	0	0
Race / Ethnicity								
White	31	31	0	3	9	9	6	4
Black	21	19	2	1	5	10	2	3
Hispanic	39	36	3	2	8	12	15	2
Asian	19	18	1	3	3	7	4	2
Total *	111	104	7	9	25	39	27	11

* Total includes one case with race/ethnicity unknown. See Technical Notes for the source of data, and a discussion of race and ethnicity.

Table 12. **Deaths by Decedent Birthplace and Borough of Residence**
New York City, 2000

Birthplace	Total	Borough of Residence					Non-Residents	Residence Unknown
		Manhattan	Bronx	Brooklyn	Queens	Richmond		
Bangladesh	86	7	5	19	51	–	4	–
China	1,242	434	40	346	359	19	41	3
Colombia	231	27	6	25	158	4	9	2
Cuba	454	158	65	58	142	8	21	2
Dominican Republic	1,094	442	306	171	155	5	14	1
Ecuador	252	37	36	59	107	1	12	–
El Salvador	44	3	5	7	28	–	1	–
Germany	662	211	75	71	253	18	34	–
Guyana	589	17	67	239	244	3	19	–
Haiti	561	20	10	344	142	4	40	1
Honduras	122	15	40	36	19	11	1	–
India	190	18	8	21	101	12	30	–
Ireland	543	79	142	84	169	29	39	1
Israel	80	14	3	38	14	1	9	1
Italy	1,645	68	196	553	522	204	100	2
Jamaica	1,002	50	266	419	204	4	59	–
Korea	231	8	16	14	157	15	21	–
Mexico	146	28	29	44	31	7	6	1
Pakistan	78	5	3	22	36	4	8	–
Philippines	204	35	11	27	89	17	25	–
Poland	1,317	176	143	569	338	33	56	2
Puerto Rico	4,163	974	1,621	1,057	337	57	101	16
Russia	1,299	143	112	684	295	24	38	3
Trinidad and Tobago	430	25	32	264	77	6	26	–
Ukraine	674	34	22	515	92	7	4	–
United States	36,997	6,803	5,463	10,194	8,772	2,694	2,993	78
Other & Not Stated	6,503	1,172	875	2,033	1,682	190	340	211
Total	60,839	11,003	9,597	17,913	14,574	3,377	4,051	324

Table 13. **Deaths by Decedent Birthplace and Age**
New York City, 2000

Birthplace	Total	Age									
		Under 1	1-14	15-24	25-34	35-44	45-54	55-64	65-75	75-84	85+
Bangladesh	86	–	1	4	6	11	21	19	16	5	3
China	1,242	–	5	7	15	38	57	109	283	397	331
Colombia	231	–	–	5	10	20	35	31	37	46	47
Cuba	454	–	–	–	2	11	26	50	106	136	123
Dominican Republic	1,094	–	3	21	64	109	146	193	247	200	111
Ecuador	252	–	–	4	21	30	37	34	46	44	36
El Salvador	44	–	1	1	3	8	11	3	6	6	5
Germany	662	–	–	1	1	4	24	21	72	135	404
Guyana	589	–	3	10	19	35	75	103	153	114	77
Haiti	561	–	–	5	24	51	73	86	129	118	75
Honduras	122	–	–	5	8	10	14	20	29	26	10
India	190	–	1	2	8	9	27	54	34	36	19
Ireland	543	–	–	–	2	1	8	41	83	89	319
Israel	80	–	–	4	3	5	11	12	20	10	15
Italy	1,645	–	–	–	3	15	39	98	243	407	840
Jamaica	1,002	–	–	34	37	59	108	150	218	218	178
Korea	231	–	1	2	2	12	30	40	46	69	29
Mexico	146	–	–	28	33	24	18	15	7	12	9
Pakistan	78	–	1	5	5	13	12	15	15	11	1
Philippines	204	–	–	1	5	6	27	34	41	52	38
Poland	1,317	–	–	8	2	18	39	40	95	346	769
Puerto Rico	4,163	1	2	15	69	225	524	768	935	974	650
Russia	1,299	–	1	5	9	20	39	76	158	311	680
Trinidad and Tobago	430	–	–	8	16	25	58	80	90	85	68
Ukraine	674	–	2	3	6	12	17	54	146	222	212
United States	36,997	828	263	461	854	1,968	3,227	4,044	6,712	10,052	8,588
Other & Not Stated	6,503	10	10	54	150	293	596	724	1,082	1,552	2,032
Total	60,839	839	294	693	1,377	3,032	5,299	6,914	11,049	15,673	15,669

DEATHS DUE TO EXTERNAL CAUSES* BY AGE AND SEX, NEW YORK CITY, 2000

Table 14. Accidents

Type	All Ages	0-4		5-9		10-14		15-19		20-24		25-34		35-44		45-54		55-64		65-74		75+	
		Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
Total	1,074	16	11	9	8	13	6	28	7	42	18	83	22	105	28	100	26	65	30	75	47	145	190
Motor Vehicle																							
Injury to pedestrian	194	-	3	3	4	3	2	5	1	5	2	12	4	18	8	17	7	12	11	15	14	20	28
Injury to pedal cyclist	5	-	-	-	-	2	-	1	-	-	-	-	-	-	-	1	-	-	-	1	-	-	-
Injury to occupant	70	-	-	-	-	1	1	7	-	8	1	22	2	12	1	2	2	2	1	-	4	2	2
Other motor vehicle accidents	99	1	-	-	-	-	-	6	2	12	4	20	7	12	-	6	2	9	1	6	4	2	5
Railway (includes subway)	17	1	-	-	-	1	-	-	-	1	-	2	2	5	1	1	-	3	-	-	-	-	-
Other land transport accidents	23	-	-	1	-	1	-	2	-	3	-	1	-	4	1	4	-	2	-	-	1	3	-
Other transport accidents	11	-	-	-	-	-	-	-	-	-	-	-	-	4	1	2	-	1	-	2	-	1	-
Fall	380	2	1	-	-	1	-	1	1	3	3	12	-	23	7	35	3	22	5	27	14	89	131
Firearm discharge	4	-	-	-	-	-	-	1	-	-	-	1	-	2	-	-	-	-	-	-	-	-	-
Drowning and submersion	13	-	-	-	1	1	1	2	1	1	1	1	-	1	1	1	-	-	-	1	-	-	-
Smoke, fire and flames	95	5	2	4	1	2	1	-	-	4	3	-	3	4	2	13	5	4	6	9	6	12	9
Poisoning by noxious substances	40	-	-	-	-	-	-	-	2	2	3	3	2	11	2	8	2	1	2	-	1	-	1
Exposure to excessive natural heat	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1
Exposure to excessive natural cold	15	-	-	-	-	-	-	-	-	-	-	1	-	3	1	3	1	2	-	-	-	-	4
Other nontransport accidents	106	7	5	1	2	1	1	3	-	3	1	8	2	6	3	7	4	7	4	14	3	15	9

Table 15. Intentional Self-harm (Suicide)

Method	All Ages	0-4		5-9		10-14		15-19		20-24		25-34		35-44		45-54		55-64		65-74		75+	
		Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
Total	448	-	-	-	-	4	-	17	3	37	8	60	13	79	21	53	23	46	14	30	9	23	8
Poisoning by noxious substances	65	-	-	-	-	-	-	3	-	1	1	4	2	16	8	6	7	7	5	1	1	3	-
Hanging, strangulation and suffocation	130	-	-	-	-	3	-	6	2	14	3	15	4	20	4	20	4	12	4	10	1	6	2
Drowning and submersion	18	-	-	-	-	-	-	-	-	2	-	4	-	5	-	1	1	2	-	-	1	1	1
Firearm discharge	69	-	-	-	-	-	-	4	-	8	-	16	1	7	1	13	1	9	1	7	-	1	-
Sharp or blunt object	11	-	-	-	-	-	-	-	-	1	-	2	-	2	-	2	-	1	1	2	-	-	-
Jumping from high place	119	-	-	-	-	1	-	2	1	6	3	15	4	21	8	6	9	9	3	9	6	11	5
Jumping or lying before moving object	28	-	-	-	-	-	-	2	-	5	1	2	2	7	-	2	-	5	-	1	-	1	-
Other and unspecified means	7	-	-	-	-	-	-	-	-	-	-	2	-	-	-	3	1	1	-	-	-	-	-
Sequelae (Late effects)	1	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-

Continued on next page.

Table 16. Assault (Homicide) and Legal Intervention

Method	All Ages	0-4		5-9		10-14		15-19		20-24		25-34		35-44		45-54		55-64		65-74		75+	
		Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
Total	723	11	12	3	2	7	2	69	15	123	17	195	20	100	23	52	12	22	9	8	8	5	8
Poisoning by noxious substances	4	-	1	-	-	-	-	-	-	-	-	1	1	-	-	1	-	-	-	-	-	-	-
Hanging, strangulation and suffocation	35	2	-	-	-	1	-	1	3	1	2	1	7	1	3	2	3	2	3	-	2	-	1
Drowning and submersion	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Firearm discharge	448	-	-	-	-	3	1	55	6	100	9	151	7	57	9	27	3	11	3	2	3	-	1
Smoke, fire and flames	12	1	1	1	-	-	1	1	-	1	-	-	-	2	-	2	-	1	1	-	-	-	-
Sharp or blunt object	144	2	2	-	-	1	-	8	4	21	5	30	4	30	8	10	5	4	-	3	2	3	2
Pushing from high place	5	1	1	1	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-
Bodily force	8	-	1	-	-	-	-	-	-	-	-	2	-	1	-	2	-	-	-	1	1	-	-
Neglect, abandonment & other maltreatment	8	4	2	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sequelae (Late effects)	5	-	-	-	1	1	-	-	-	-	-	1	-	1	-	-	-	1	-	-	-	-	-
Other and unspecified means	44	1	3	1	-	-	-	2	2	-	-	6	1	5	3	6	1	3	2	2	-	2	4
Legal intervention, all	9	-	-	-	-	-	-	2	-	-	1	3	-	1	-	2	-	-	-	-	-	-	-

Note: Legal intervention includes 8 deaths from firearm discharge.

Table 17. Events of Undetermined Intent

Method	All Ages	0-4		5-9		10-14		15-19		20-24		25-34		35-44		45-54		55-64		65-74		75+	
		Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
Total	155	9	6	0	0	3	0	0	0	7	1	18	11	25	6	31	4	13	2	11	2	2	4
Poisoning by noxious substances	31	-	-	-	-	-	-	-	-	-	-	1	4	8	3	7	3	2	1	1	1	-	-
Hanging, strangulation and suffocation	5	1	-	-	-	2	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1	-
Drowning and submersion	11	-	1	-	-	-	-	-	-	1	-	2	-	2	1	3	-	-	-	1	-	-	-
Firearm discharge	3	-	-	-	-	-	-	-	-	1	-	2	-	-	-	-	-	-	-	-	-	-	-
Smoke, fire and flames	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
Sharp or blunt object	1	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
Falling from high place	4	-	-	-	-	-	-	-	-	1	-	-	-	1	-	-	-	-	1	-	-	-	1
Other and unspecified means	99	8	5	-	-	1	-	-	-	4	1	12	7	14	1	20	1	11	-	9	1	1	3

Table 18. Complications of Medical and Surgical Care

Method	All Ages	0-4		5-9		10-14		15-19		20-24		25-34		35-44		45-54		55-64		65-74		75+	
		Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
Complications of medical and surgical care	53	1	-	1	-	-	-	-	1	2	1	-	1	3	4	2	2	3	6	4	6	7	9

Table 19. Firearms (All Causes)

Method	All Ages	0-4		5-9		10-14		15-19		20-24		25-34		35-44		45-54		55-64		65-74		75+	
		Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
Firearms (all causes)	532	-	-	-	-	3	1	62	6	109	10	173	8	67	10	41	4	20	4	9	3	1	1

* Beginning January 1, 1999 all causes were coded using ICD-10. See Technical Notes for detailed descriptions of ICD-10.

Table 20. **Deaths from HIV Disease by Sex, Age, and Ethnic Group, New York City, 1983-2000***

AGE GROUP/ETHNIC GROUP		MALE											FEMALE										
		1983-1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	1983-1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
ALL AGES	Total	18,030	4,213	4,567	4,746	5,267	5,240	3,616	1,850	1,358	1,372	1,333	3,523	1,015	1,222	1,374	1,835	1,806	1,382	775	620	648	628
	Puerto Rican	2,990	609	679	695	1,075	1,082	784	401	253	265	285	772	185	218	268	399	432	321	170	128	139	128
	Other Hispanic	1,618	478	543	586	441	473	290	154	114	98	123	233	101	117	132	109	111	78	33	36	39	43
	Asian & Pacific Islander	150	30	29	23	31	52	23	16	10	11	11	13	3	4	7	5	2	4	4	2	2	2
	Other White	6,418	1,297	1,407	1,318	1,449	1,452	888	369	285	247	236	508	147	174	177	289	280	200	97	78	94	67
	Other Black	5,688	1,452	1,526	1,698	2,133	2,083	1,543	874	651	674	629	1,749	501	603	673	991	958	760	457	362	358	379
	Other & Unknown	1,166	347	383	426	138	98	88	36	45	77	49	248	78	106	117	42	23	19	14	14	16	9
UNDER 1	Total	86	16	7	13	11	12	7	2	1	1	1	88	11	8	13	20	2	6	3	1	0	2
	Puerto Rican	18	3	–	1	2	–	–	–	–	–	–	12	–	1	1	3	–	1	–	–	–	–
	Other Hispanic	10	1	1	2	–	1	–	–	–	–	–	9	–	2	2	–	–	–	–	–	–	–
	Asian & Pacific Islander	1	–	–	–	–	–	–	–	–	–	–	0	–	–	–	–	–	–	–	–	–	–
	Other White	18	–	–	2	3	3	4	–	1	–	–	9	1	–	1	5	–	1	–	–	–	–
`	Other Black	33	12	6	8	6	7	2	2	–	1	1	52	8	4	9	10	2	4	3	1	–	2
	Other & Unknown	6	–	–	–	–	1	1	–	–	–	–	6	2	1	–	2	–	–	–	–	–	–
1-14	Total	166	39	42	37	51	53	48	20	7	10	3	150	42	33	45	45	60	44	16	8	8	4
	Puerto Rican	32	7	6	5	13	9	9	5	2	–	–	28	12	3	7	6	11	7	3	1	–	1
	Other Hispanic	13	7	10	7	5	4	2	2	–	2	–	15	5	4	7	3	4	5	1	–	1	–
	Asian & Pacific Islander	2	–	–	–	1	–	–	–	–	–	–	1	–	1	–	–	1	–	–	–	–	–
	Other White	22	2	8	4	6	19	13	2	1	2	2	25	4	4	1	9	15	8	1	2	2	–
	Other Black	93	21	12	18	25	21	22	10	4	6	1	69	16	18	27	26	28	23	11	5	5	2
	Other & Unknown	4	2	6	3	1	–	2	1	–	–	–	12	5	3	3	1	1	1	–	–	–	1
15-24	Total	349	31	39	46	53	38	15	12	8	7	8	160	30	29	32	39	34	18	11	12	14	14
	Puerto Rican	86	6	13	2	9	7	3	3	–	–	1	45	5	5	6	10	9	6	2	2	2	1
	Other Hispanic	47	3	4	10	8	5	2	2	1	–	–	9	5	1	4	4	4	3	–	–	1	2
	Asian & Pacific Islander	1	–	–	–	1	2	–	–	–	–	–	0	1	1	–	–	–	–	–	–	–	–
	Other White	65	5	4	6	8	8	3	2	1	–	–	22	3	8	5	3	5	1	–	1	1	1
	Other Black	125	14	17	23	27	15	6	5	5	7	7	69	13	14	14	21	15	6	8	8	10	10
	Other & Unknown	25	3	1	5	–	1	1	–	1	–	–	15	3	–	3	1	1	2	1	1	–	–
25-34	Total	5,475	1,041	1,008	1,014	1,002	1,028	619	277	183	151	133	1,543	337	382	386	512	510	317	157	131	101	100
	Puerto Rican	1,136	188	169	169	215	237	148	61	29	34	30	363	68	83	72	121	130	72	34	26	22	25
	Other Hispanic	510	167	145	199	109	110	56	28	19	15	23	100	36	53	51	30	24	21	10	12	8	6
	Asian & Pacific Islander	31	5	2	6	5	16	3	5	1	1	–	4	–	1	2	2	–	2	–	1	1	1
	Other White	1,722	273	281	250	279	282	125	56	38	20	13	226	56	50	44	85	84	55	22	14	12	8
	Other Black	1,737	318	326	305	377	366	276	122	90	76	62	754	150	161	186	263	268	166	88	76	56	58
	Other & Unknown	339	90	85	85	17	17	11	5	6	5	5	96	27	34	31	11	4	1	3	2	2	2
35-44	Total	7,673	2,015	2,138	2,154	2,408	2,308	1,517	754	498	489	456	1,191	413	534	636	830	811	617	345	280	278	239
	Puerto Rican	1,232	274	319	300	513	466	318	175	100	103	103	246	73	85	122	163	181	130	78	51	64	49
	Other Hispanic	641	205	223	238	179	192	121	63	52	42	40	72	35	37	46	45	49	31	16	17	16	20
	Asian & Pacific Islander	69	20	13	9	12	14	9	6	3	3	6	3	1	–	3	2	–	1	1	–	–	–
	Other White	2,728	644	673	622	696	682	396	165	118	104	95	158	61	73	91	139	130	100	51	42	48	26
	Other Black	2,515	714	737	794	939	917	646	336	211	209	198	626	213	287	319	463	439	342	191	164	144	141
	Other & Unknown	488	158	173	191	69	37	27	9	14	28	14	86	30	52	55	18	12	13	8	6	6	3
45-54	Total	3,083	758	959	1,066	1,255	1,312	1,019	549	461	474	499	260	128	165	194	288	287	294	185	134	195	207
	Puerto Rican	383	98	134	167	249	269	229	120	83	88	102	62	19	30	42	74	78	77	36	36	45	38
	Other Hispanic	301	64	115	83	91	101	67	42	28	22	44	18	14	16	15	15	22	12	3	5	7	11
	Asian & Pacific Islander	33	3	12	8	9	14	5	3	4	2	3	1	–	1	2	1	–	1	1	–	–	–
	Other White	1,292	257	320	311	325	337	264	107	99	82	94	33	15	28	25	35	32	29	20	13	29	23
	Other Black	863	264	289	395	547	552	421	262	230	250	234	121	71	83	90	155	153	173	123	77	107	133
	Other & Unknown	211	72	89	102	34	39	33	15	17	30	22	25	9	7	20	8	2	2	2	3	7	2
55 & OVER	Total	1,198	313	374	416	487	489	391	236	200	240	233	131	54	71	68	101	102	86	58	54	52	62
	Puerto Rican	103	33	38	51	74	94	77	37	39	40	49	16	8	11	18	22	23	28	17	12	6	14
	Other Hispanic	96	31	45	47	49	60	42	17	14	17	16	10	6	4	7	12	8	6	3	2	6	4
	Asian & Pacific Islander	13	2	2	–	3	6	6	2	2	5	2	4	1	–	–	–	1	–	2	1	1	1
	Other White	571	116	121	123	132	121	83	37	27	39	32	35	7	11	10	13	14	6	3	6	2	9
	Other Black	322	109	139	155	212	205	170	137	111	125	126	58	30	36	28	53	53	46	33	31	36	33
	Other & Unknown	93	22	29	40	17	3	13	6	7	14	8	8	2	9	5	1	3	–	–	2	1	1

Note: For 1983-1986, only AIDS was recognized as a cause of death and coded 279.1; from 1987 through 1998, AIDS was coded 042 and other HIV diseases were coded 043-044. Under ICD-10, beginning in1999, HIV disease is coded to B20-B24. In 1982, 30 deaths were attributed to AIDS.

Tables showing deaths due to AIDS alone for 1983-1996 can be found in the Vital Statistics Summaries for 1987-1996.

* Begining January 1, 1999 all causes were coded using ICD-10. See the Technical Notes for a discussion of HIV disease and AIDS as the cause of death and the Special Note on Cause-of-Death Coding.

Table 21. Characteristics of Decedents with Selected Causes of Death*, New York City, 2000

Cause of Death	Total	Percent of Total Deaths with Specified Characteristics									
		Ethnic Group									
		Puerto Rican	Other Hispanic	Asian	Other White	Other Black	Other & Unknown	Male	Never Married	Age Under 20	Age 65 or Over
All Causes	60,839	7.9	5.6	3.8	55.7	25.3	1.6	48.6	22.6	2.3	69.7
HIV Disease	1,961	21.1	8.5	0.7	15.5	51.4	3.0	68.0	60.9	0.9	4.2
Cancer of Trachea, Bronchus and Lung, Male	1,790	5.3	4.8	5.5	58.7	24.0	1.7	100.0	16.0	0.0	66.3
Cancer of Trachea, Bronchus and Lung, Female	1,390	4.7	3.2	4.3	64.5	22.4	0.9	0.0	14.5	0.0	72.0
Chronic Liver Disease & Cirrhosis	568	27.1	9.3	3.2	36.6	22.4	1.4	70.6	29.6	0.2	32.9
Use-Accidental Poisoning Psychoactive Substance	932	14.7	8.4	0.8	42.3	31.5	2.4	75.8	57.1	1.1	1.2
Motor Vehicle Accidents	368	9.8	13.0	9.0	45.1	22.6	0.5	66.6	45.7	11.4	28.0
Other Accidents	676	8.0	9.2	4.7	53.4	22.0	2.7	61.7	35.4	8.1	52.2
Intentional Self-harm (Suicide)	448	9.2	10.0	6.3	52.5	19.2	2.9	77.9	48.7	5.4	15.6
Assault (Homicide)	723	8.9	18.8	3.7	14.2	52.1	2.2	82.3	69.3	16.7	4.0
Events of Undetermined Intent	155	5.8	8.4	7.1	47.7	21.9	9.0	76.8	41.3	11.6	12.3
All Other Causes	51,828	7.2	5.2	3.9	58.1	24.2	1.5	45.6	19.6	2.1	75.9

* Begining January 1, 1999 all causes were coded using ICD-10. See the Special Note on Cause-of-Death Coding.

Table 22. Life Expectancy at Specified Ages by Sex and Race New York City and the United States, 1980 and 1990

Male

Exact Age	New York City						United States					
	1980			1990			1980			1990		
	Total	White	Black	Total	White	Black	Total	White	Black	Total	White	Black
0	68.5	69.9	64.1	68.0	70.0	64.5	70.0	70.7	63.7	71.8	72.7	64.5
1	68.6	69.9	64.5	68.0	69.7	64.6	70.0	70.6	64.2	71.6	72.3	64.8
5	64.8	66.1	60.7	64.2	65.8	60.8	66.1	66.8	60.5	67.7	68.5	61.0
10	59.5	61.2	55.9	59.3	60.9	55.9	61.3	61.9	55.6	62.8	63.5	56.1
15	55.0	56.3	50.9	54.3	56.0	51.0	56.4	57.0	50.7	57.9	58.6	51.3
20	50.4	51.6	46.3	49.8	51.3	46.6	51.8	52.4	46.0	53.3	54.0	46.7
25	45.9	47.0	42.1	45.4	46.8	42.4	47.3	47.8	41.7	48.7	49.3	42.4
30	41.5	42.5	38.1	41.0	42.4	38.3	42.7	43.2	37.4	44.1	44.7	38.2
35	37.1	38.0	34.0	37.0	38.3	34.5	38.1	38.6	33.2	39.6	40.1	34.1
40	32.8	33.5	30.0	33.3	34.5	31.2	33.5	34.0	29.1	35.1	35.6	30.1
45	28.6	29.2	26.2	29.6	30.7	27.9	29.1	29.4	25.2	30.7	31.1	26.2
50	24.6	25.1	22.7	25.9	26.8	24.4	24.9	25.2	21.6	26.4	26.7	22.5
55	20.9	21.2	19.5	22.2	23.0	21.1	21.0	21.2	18.4	22.3	22.5	19.0
60	17.4	17.5	16.5	18.7	19.3	18.0	17.4	17.5	15.5	18.5	18.7	15.9
65	14.2	14.3	13.9	15.4	15.9	15.1	14.1	14.2	12.9	15.1	15.2	13.2
70	11.4	11.3	11.5	12.5	12.8	12.6	11.3	11.3	10.5	12.0	12.1	10.7
75	9.0	8.9	9.5	9.8	10.0	10.5	8.8	8.8	8.3	9.4	9.4	8.6
80	6.8	6.8	7.6	7.5	7.6	8.6	6.7	6.7	6.3	7.1	7.1	6.7
85	5.4	5.3	6.8	5.9	5.9	7.2	5.0	5.0	4.5	5.2	5.2	5.0

Female

Exact Age	New York City						United States					
	1980			1990			1980			1990		
	Total	White	Black	Total	White	Black	Total	White	Black	Total	White	Black
0	76.4	77.5	73.5	77.2	78.8	75.6	77.5	78.1	72.3	78.8	79.4	73.6
1	76.5	77.3	73.8	77.2	78.5	75.7	77.4	77.9	72.7	78.4	78.9	73.8
5	72.6	73.5	70.0	73.3	74.6	71.9	73.5	74.0	69.0	74.5	75.0	70.0
10	67.7	68.6	65.2	68.4	69.7	66.9	68.6	69.1	64.1	69.6	70.1	65.1
15	62.8	63.6	60.2	63.5	64.8	62.0	63.7	64.2	59.2	64.7	65.2	60.2
20	57.9	58.7	55.4	58.6	59.9	57.1	58.9	59.4	54.3	59.8	60.3	55.3
25	53.1	53.9	50.6	53.8	55.0	52.4	54.0	54.5	49.5	55.0	55.4	50.6
30	48.3	49.1	46.0	49.1	50.3	47.7	49.2	49.7	44.8	50.1	50.6	45.9
35	43.6	44.3	41.4	44.5	45.6	43.3	44.4	44.9	40.2	45.3	45.8	41.3
40	38.9	39.5	36.8	40.0	41.0	39.1	39.7	40.1	35.7	40.6	41.0	36.8
45	34.4	34.9	32.6	35.5	36.4	34.8	35.0	35.4	31.4	35.9	36.2	32.4
50	30.0	30.4	28.5	31.1	31.9	30.6	30.6	30.9	27.3	31.3	31.6	28.2
55	25.8	26.1	24.6	26.9	27.5	26.6	26.3	26.5	23.4	27.0	27.2	24.2
60	21.8	22.0	21.0	22.8	23.4	22.7	22.2	22.4	19.8	22.8	23.0	20.5
65	18.1	18.2	17.6	19.1	19.5	19.2	18.3	18.5	16.5	18.9	19.1	17.2
70	14.5	14.5	14.5	15.5	15.8	16.0	14.8	14.8	13.4	15.3	15.4	14.1
75	11.3	11.3	11.7	12.3	12.4	13.2	11.5	11.5	10.7	12.0	12.0	11.2
80	8.5	8.4	9.3	9.4	9.4	10.6	8.6	8.6	8.2	9.0	9.0	8.6
85	6.5	6.3	7.7	7.0	7.0	8.6	6.4	6.3	6.1	6.4	6.4	6.3

Note: Life expectancy figures for 1980 are different from those published in 1990 and earlier. Life expectancy figures for 1950, 1960 and 1970 appear in the annual Vital Statistics Summaries for 1990 and earlier. Total includes races other than white and black. See Technical Notes.

Table 23 **Average Yearly Age-Sex-Specific Death Rates per 1,000 Population, New York City, 1909-1991**

	1909-1911		1919-1920		1929-1931		1939-1941		1949-1951		1959-1961		1969-1971		1979-1981		1989-1991	
Age	Male	Female	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	4.1	3.4	3.8	3.1
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	0.2	0.2	0.2
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	0.3	0.2	0.3	0.2
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	1.7	0.4
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	2.4	0.7	2.5	0.7
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	2.7	0.8	3.2	1.0
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	3.1	1.1	5.0	1.8
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	3.7	1.6	7.4	2.4
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	5.2	2.5	8.4	2.6
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	7.8	3.9	9.0	3.5
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	11.0	5.8	11.1	5.3
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	15.6	8.4	14.5	7.6
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	23.2	12.7	20.1	11.6
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	33.4	17.8	28.5	16.9
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	27.3	41.9	25.3
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	71.0	42.7	60.6	37.8
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	109.9	75.9	95.9	62.1
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	185.2	154.2	169.6	142.9

Note: Rates for 1979-1981 and 1989-1991 are based on deaths to New York City residents only, regardless of place of occurrence, while those for previous years included all events in New York City, regardless of the residence of the decedents. See Technical Notes.

Table 24. **Average Yearly Age-Sex-Race Adjusted Death Rates for Selected Causes per 100,000 Population New York City, 1901-1991**

Cause of Death	1901-1903	1909-1911	1919-1920	1929-1931	1939-1941	1949-1951	1959-1961	1969-1971	1979-1981	1989-1991
All causes	2,324.2	1,934.1	1,691.4	1,449.0	1,128.1	885.8	813.3	771.1	549.3	606.6
Respiratory tuberculosis	241.0	191.4	143.7	73.7	48.6	25.2	7.3	3.0	0.8	1.2
Other forms of tuberculosis	31.2	25.2	22.0	10.9	5.2	2.1	0.5	0.3	0.2	0.5
Influenza and pneumonia	302.8	260.8	301.7	178.6	60.3	30.7	36.4	29.0	15.2	22.2
Malignant neoplasms	116.8	124.8	134.3	156.0	176.9	170.6	162.9	161.2	126.0	128.0
Diabetes	23.3	25.4	26.5	35.8	43.6	17.0	14.8	15.9	10.3	7.1
Appendicitis	13.4	13.6	14.6	16.9	9.4	2.3	1.2	0.5	0.2	0.1
Nephritis	244.8	181.9	141.6	63.3	52.6	6.7	5.5	3.5	2.3	4.9
Diseases of circulatory system	258.6	383.2	427.7	506.7	421.1	404.8	355.8	306.6	239.1	228.7
Chronic liver disease and cirrhosis	*	*	*	*	*	*	*	*	23.5	11.8
Chronic obstructive pulmonary diseases	*	*	*	*	*	*	*	*	9.3	13.1
AIDS	*	*	*	*	*	*	*	*	*	55.0
Other HIV	*	*	*	*	*	*	*	*	*	1.6
Total accidents	108.2	87.8	73.8	81.3	55.9	38.4	28.1	22.7	18.2	21.6
Auto accidents	*	*	14.9	22.6	12.8	7.3	7.7	11.0	8.4	9.4
Other accidents	*	*	58.9	58.7	43.1	31.0	20.3	11.6	9.8	12.1
Suicide	26.8	21.2	14.1	21.3	14.3	9.7	9.2	6.4	9.4	9.0
Homicide	3.6	5.1	6.2	8.0	4.4	4.0	5.3	14.0	21.8	22.6

Note: Rates for 1979-1981 and 1989-1991 are based on deaths to New York City residents only, regardless of place of occurrence, while those for previous years included all events in New York City, regardless of the residence of the decedents. See Technical Notes.

For 1901-1903 and 1909-1911 rates are adjusted for age and sex. For other years, rates are adjusted for age, sex and race (white and others). Standard is United States population, 1940.

* Data are not available or not applicable.

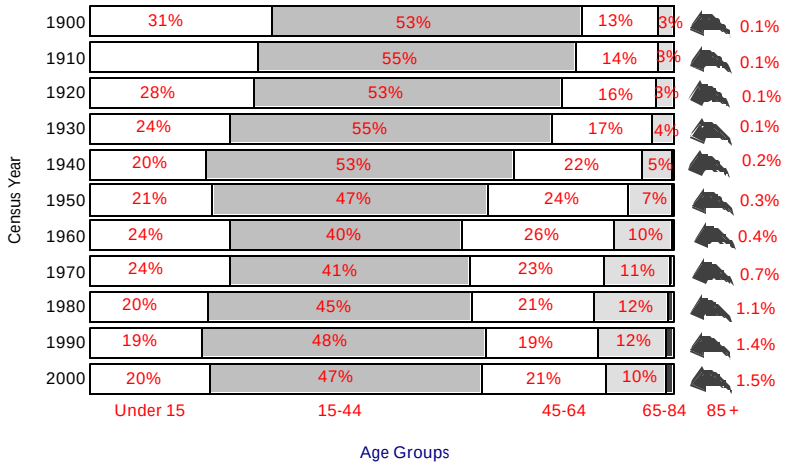
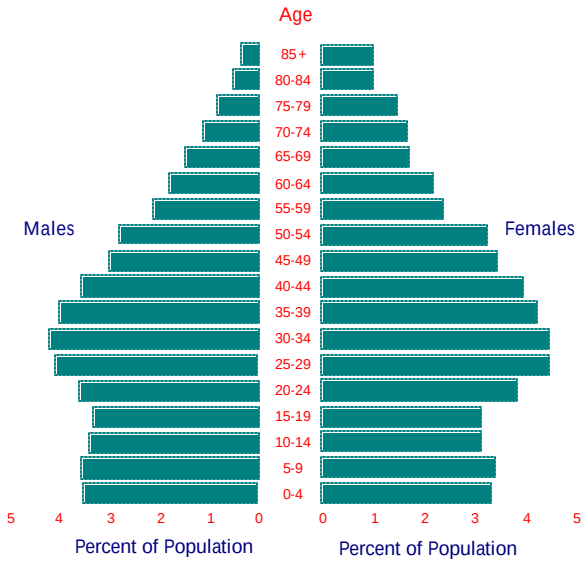


Figure 1 Age Composition of the Population
New York City, 1900-2000

The Changing age composition of the City reflects changes in life expectancy as well as natural historic trends. The effect of the economic depression of 1930s on the number of live births is seen in the lower percentage of residents under age 15 in 1940, while the post-World War baby boom increased this segment rapidly after 1950. From 1900 to 2000, the proportion of residents age 45 and over doubled, from 16% to 32%, with the greatest increase among those 85 and over. From 1990 to 2000, the proportion of residents age 65 to 84 declined 4%, while the proportion 85 and over increased 19%. Over this ten-year period, the median age of city residents increased from 33.7 the 34.2 years.

Figure 2 Age-Sex Composition of the Population
New York City, 2000

This age-sex pyramid shows each age-sex group as a percent of the total population. There are more females than males overall, 53% to 47%, and more females in every age group over 19. The difference is the greatest among those 85 and over, where there are two and one-half times as many women as men. The smaller segment of both males and females in age group 10-14 and 15-19 reflect the lower number of births in the 1980's, compared to births in the first half of the 1990s.



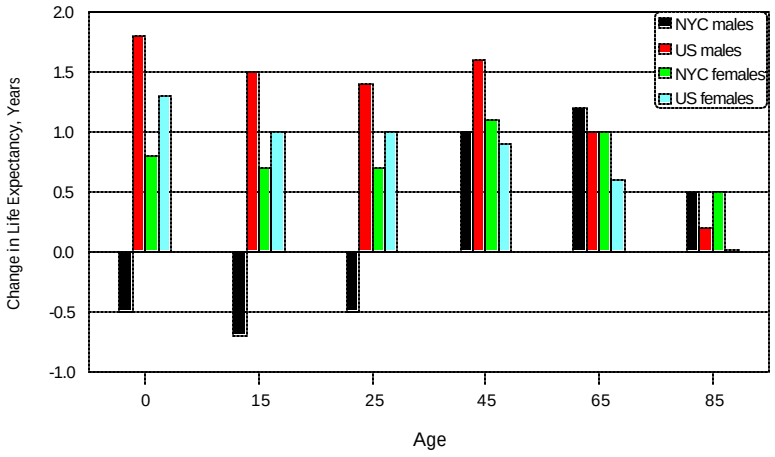


Figure 3 Changes in Life Expectancy at Selected Ages by Sex, 1980 and 1990
New York City and United States

Between 1980 and 1990, life expectancy for male New York City residents at birth, at ages 15 and 25 declined about one half year, while life expectancy for all United States males at these ages increased about one and one half years. Life expectancy for New York City females increased but less than for all United States females. At selected older ages New York City male residents showed somewhat greater increases in life expectancy than did males nationwide. New York City female residents achieved greater gains in life expectancy than did all United States females at these later ages. The decline in life expectancy among New York City males has been attributed to deaths due to HIV and related infections.

Table 25. **Deaths and Crude Death Rates per 100,000 Population from**

ANNUAL

Cause (ICD-10 Code (1))	1901-1905	1906-1910	1911-1915	1916-1920	1921-1925	1926-1930	1931-1935	1936-1940	1941-1945	1946-1948	1949-1951	1952-1955
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	3,882	4,021
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	24.5	24.6
Neonatal deaths (under 28 days)	**	**	5,143	4,894	4,309	3,892	3,152	2,631	2,764	3,298	2,989	3,032
Rate per 1,000 live births			37.4	36.0	33.0	31.0	29.7	25.7	21.9	20.5	18.9	18.5
Early neonatal deaths (under 7 days)	**	**	**	**	**	**	**	2,110	2,338	2,845	2,604	2,713
Rate per 1,000 live births								20.5	18.5	17.7	16.4	16.6
Fetal deaths 28 weeks gestation & over	**	**	**	**	**	**	**	2,589	2,709	2,902	2,441	2,310
Ratio per I ,000 live births								25.3	21.4	18.1	15.4	14.1
Perinatal mortality ratio (2)	**	**	**	**	**	**	**	44.7	39.1	35.1	31.3	30.2
Pregnancy, childbirth and the puerperium (O00-O99)	**	**	**	**	**	**	**	**	**	**	**	**
Rate per 100,000 live births												
Maternal causes * (A34,O00-O96,O98-O99)	694	745	694	664	689	651	608	372	255	178	115	102
Rate per 100,000 live births	538.0	517.4	493.7	487.9	528.1	518.4	572.6	363.2	201.6	110.8	72.6	62.3
Respiratory tuberculosis (A16)	8,154	8,832	8,745	7,915	4,937	4,574	4,068	3,680	3,281	2,932	2,173	1,178
Rate	215.4	197.5	173.2	144.1	80.0	68.2	57.3	50.0	43.2	37.7	27.4	15.0
Other forms of tuberculosis (A17-A19)	**	**	**	**	**	**	**	**	**	225	174	97
Rate										2.9	2.2	1.2
Human immunodeficiency virus disease (B20-B24) (3)	**	**	**	**	**	**	**	**	**	**	**	**
Rate												
Malignant neoplasms (C00-C97)	2,621	3,334	4,256	4,993	6,229	7,637	9,062	11,257	13,169	14,627	15,556	16,553
Rate	69.2	74.5	84.3	90.9	100.9	113.9	127.6	152.9	173.3	188.2	196.0	210.6
Trachea, bronchus and lung, male (C33-C34)	**	**	**	**	**	**	**	**	**	828	847	1,021
Rate										21.9	22.2	27.0
Trachea, bronchus and lung, female (C33-C34)	**	**	**	**	**	**	**	**	**	220	179	228
Rate										5.5	4.4	5.6
Breast, female (C50)	**	**	**	**	**	**	**	**	**	1,429	1,476	1,517
Rate										35.9	36.4	37.3
Diabetes mellitus (E10-E14)	520	690	916	1,063	1,284	1,624	2,140	2,787	3,131	3,423	1,583	1,644
Rate	13.7	15.4	18.1	19.4	20.8	24.2	30.1	37.9	41.2	44.0	19.9	20.9
Major cardiovascular diseases (I00-I78)	5,954	9,148	12,699	14,792	18,114	21,815	23,706	25,711	30,886	32,539	36,206	37,724
Rate	157.3	204.5	251.5	269.3	293.3	325.5	333.8	349.2	406.6	418.7	456.3	479.9
Cerebrovascular disease (I60-I69)	2,593	1,790	970	834	719	723	1,333	3,846	3,611	3,710	5,099	5,688
Rate	68.4	40.0	19.2	15.2	11.6	10.8	20.2	52.2	47.5	47.7	64.3	72.4
Influenza & Pneumonia (J10-J18)	10,425	10,985	10,528	17,136	8,935	9,989	8,205	5,337	3,453	3,014	2,469	2,664
Rate	275.4	245.6	208.5	312.0	144.7	149.0	115.5	72.5	45.5	38.8	31.2	33.9
Other respiratory (J00-J06, J20-J99)	3,224	2,307	1,458	1,407	689	622	594	536	492	424	450	461
Rate	85.2	51.6	38.9	25.6	11.2	9.3	8.4	7.3	6.5	5.5	5.7	5.9
Chronic liver disease & cirrhosis (K70, K73-K74)	814	1,076	900	500	338	413	584	922	1,052	1,500	1,500	1,440
Rate	21.5	24.1	17.8	9.1	5.5	6.2	8.2	12.5	13.8	17.5	19.2	18.3
Nephritis,nephrosis,etc (N00-N07, N17-N19, N25-N27)	5,752	5,600	5,499	5,676	4,108	3,411	3,608	3,675	3,081	2,574	570	556
Rate	151.9	125.2	108.9	103.4	50.9	50.8	50.9	40.6	40.6	33.1	7.2	7.1
Use of psychoactive substance (F11-F16, F18-F19)	**	**	**	**	**	**	**	**	**	**	**	81
Rate												1.0
Accidental drug poisoning (X40-X42, X44)	**	**	**	**	**	**	**	**	**	**	**	**
Rate												
Motor vehicle accidents (4)	**	**	253	658	929	1,175	1,167	920	728	635	600	634
Rate			5.0	12.0	15.0	17.5	16.4	12.5	9.6	8.2	7.6	8.1
Home Accidents	**	**	**	**	**	**	**	1,546	1,823	1,941	1,699	1,568
Rate								21.0	24.0	25.0	21.4	19.9
Other accidents (Rest of V01-X59, Y85-Y86)	3,521	3,549	3,516	3,426	3,138	3,574	3,205	3,107	3,091	3,255	2,707	2,450
Rate	93.0	79.3	69.3	62.4	50.8	53.3	45.1	42.2	40.7	41.9	34.3	31.2
Intentional self-harm (Suicide) (X60-X84, Y87.0)	761	825	686	742	842	1,163	1,369	1,191	907	930	863	649
Rate	20.1	18.4	17.2	13.5	13.6	17.4	19.3	16.2	11.9	12.0	10.9	8.3
Assault (Homicide) (X85-Y09, Y87.1)	143	247	293	271	334	405	522	351	265	362	318	340
Rate	3.8	5.5	5.8	4.9	5.4	6.0	7.4	4.5	3.5	4.7	4.0	4.3
Events of undetermined intent (Y10-Y34, Y87.2, Y89.9)	**	**	**	**	**	**	**	**	**	**	**	**
Rate												
Alzheimer's disease (G30)	**	**	**	**	**	**	**	**	**	**	**	**
Rate												
Asthma (J45-J46)	**	**	**	**	**	**	**	**	**	**	**	**
Rate												

* Excludes deaths occurring more than 42 days after the termination of pregnancy and includes obstetrical tetanus. SeeTechnical Notes.

** Data are not available or not applicable.

(1) Numbers following causes are codes of the International Classification of Diseases, Tenth Revision.

(2) Perinatal mortality ratio: see rates and ratios section for a definition.

(3) AIDS was first reported as a cause of death in 1982, and coded 279.1 until 1986. From1987 through 1998, HIV infections were coded 042-044. Under ICD-10, begining in 1999, HIV disease is coded to B20-B24. See the Technical Notes for a discussion of HIV disease and AIDS as the cause of death.

(4) Motor vehicle accident codes include V02-V04, V09.0, V09.2, V12-V14, V19.0-V19.2, V19.4-V19.6, V20-V79, V80.3-V80.5, V82.0-V82.1, V83-V86, V87.0-V87.8, V88.0-V88.8, V89.0, V89.2.

(5) Data for 1982-1985.

(6) Rate less than 0.05.

Rates for intercensal years are not adjusted for intercensal population changes.

Selected Causes, New York City, 1901-2000

AVERAGE																	Preliminary Comparability Ratio*
1956-1960	1961-1965	1966-1970	1971-1975	1976-1980	1981-1985	1986-1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	
4,290	4,333	3,477	2,312	1,875	1,624	1,691	1,575	1,390	1,366	1,207	1,155	992	881	843	848	839	
25.7	26.2	23.6	19.9	17.4	14.4	12.8	11.4	10.2	10.2	9.0	8.8	7.8	7.1	6.8	6.9	6.7	
3,220	3,226	2,602	1,714	1,333	1,097	1,159	1,089	941	917	804	811	656	605	593	606	583	
19.3	19.5	17.7	14.8	12.3	9.7	8.8	7.9	6.9	6.9	6.0	6.2	5.2	4.9	4.8	4.9	4.6	
2,909	2,922	2,351	1,480	1,131	927	972	896	783	769	660	657	528	459	475	474	455	
17.4	17.7	16.0	12.8	10.5	8.2	7.4	6.5	5.8	5.8	4.9	5.0	4.2	3.7	3.8	3.8	3.6	
2,362	2,276	1,885	1,288	835	719	698	648	970	692	589	533	580	507	505	490	507	
14.1	13.8	12.8	11.1	7.7	6.4	5.3	4.7	7.1	5.2	4.4	4.1	4.6	4.1	4.1	4.0	4.1	
31.1	31.0	28.4	23.6	18.1	14.5	12.6	11.1	12.8	10.9	9.3	9.0	8.7	7.8	7.9	7.8	7.6	
**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	26	34	
															21.0	27.1	
107	109	73	36	28	33	29	24	30	20	29	26	22	17	16	24	30	
64.1	66.0	49.6	31.1	25.9	29.2	22.0	17.4	22.1	15.0	21.7	19.8	17.3	13.8	12.9	19.4	23.9	
824	624	432	235	141	125	174	197	155	135	113	75	46	44	33	37	37	0.91
10.6	8.0	5.5	3.1	2.0	1.7	2.4	2.7	2.1	1.8	1.5	1.0	0.6	0.6	0.5	0.5	0.5	
52	43	39	32	22	35	55	57	45	31	20	19	21	11	19	12	7	0.70
0.7	0.6	0.5	0.4	0.3	0.5	0.8	0.8	0.6	0.4	0.3	0.3	0.3	0.2	0.3	0.2	0.1	
**	**	**	**	**	768 (5)	3,703	5,228	5,789	6,120	7,102	7,046	4,998	2,625	1,978	2,020	1,961	1.06
					10.7	50.9	71.4	79.1	83.6	97.0	96.2	68.3	35.8	27.0	27.6	24.5	
16,869	17,398	17,814	17,315	16,549	15,889	15,612	15,255	15,228	15,040	15,298	15,136	14,591	14,194	14,454	14,334	14,100	1.01
216.1	222.1	226.3	226.3	228.7	222.3	214.7	208.3	208.0	205.4	208.9	206.7	199.3	193.8	197.4	195.8	176.1	
1,157	1,294	1,890	2,434	2,387	2,217	2,201	2,138	2,097	2,094	2,120	1,966	1,967	1,859	1,849	1,782	1,790	0.98
30.9	34.8	51.0	68.1	71.0	66.7	64.4	62.2	61.0	60.9	61.7	57.2	57.2	54.1	53.8	51.8	47.2	
261	303	474	777	970	1,169	1,315	1,403	1,420	1,460	1,383	1,462	1,420	1,333	1,472	1,467	1,390	0.98
6.4	7.4	11.4	19.1	25.0	30.6	33.9	36.1	36.6	37.6	35.6	37.6	36.6	34.3	37.9	37.8	33.0	
1,573	1,694	1,787	1,723	1,622	1,533	1,537	1,496	1,518	1,490	1,483	1,561	1,504	1,378	1,344	1,292	1,253	1.01
38.7	41.3	42.9	42.3	41.9	40.1	39.6	38.5	39.1	38.4	38.2	40.2	38.7	35.5	34.6	33.3	29.7	
1,581	1,789	1,867	2,064	1,547	1,436	1,198	998	1,055	1,216	1,760	1,713	1,538	1,590	1,548	1,791	1,827	1.01
20.3	22.9	23.7	27.0	21.4	20.1	16.5	13.6	14.4	16.6	24.0	23.4	21.0	21.7	21.1	24.5	22.8	
38,988	39,943	41,981	40,639	37,978	37,818	33,527	31,971	32,096	33,601	31,048	31,656	30,995	29,642	28,755	29,157	28,101	1.00
499.5	510.2	532.4	531.1	524.8	529.1	461.0	436.6	438.3	458.9	424.0	432.3	423.3	404.8	392.7	398.2	350.9	
6,013	6,174	6,277	5,433	4,174	3,194	2,927	2,556	2,189	2,278	2,155	2,100	2,114	2,119	1,998	2,101	1,960	1.06
77.0	78.9	79.7	71.0	57.7	44.7	40.2	34.9	29.9	31.1	29.4	28.7	28.9	28.9	27.3	28.7	24.5	
3,459	3,394	3,562	3,164	3,000	2,740	3,354	3,172	2,719	3,029	2,541	2,591	2,702	2,618	2,680	2,474	2,267	0.70
44.3	43.4	45.2	41.4	41.5	38.3	46.1	43.3	37.1	41.4	34.7	35.4	36.9	35.8	36.6	33.8	28.3	
651	960	1,425	1,627	1,583	1,941	2,507	2,087	1,881	1,959	1,889	1,900	1,951	1,933	1,993	2,195	2,054	
8.3	12.3	18.1	21.3	21.9	27.2	34.5	28.5	25.7	26.8	25.8	25.9	26.6	26.4	27.2	30.0	25.6	
1,858	2,386	2,936	2,440	2,185	1,789	1,289	958	990	959	903	921	825	720	684	689	568	1.04
23.8	30.5	37.3	31.9	30.2	25.0	17.7	13.1	13.5	13.1	12.3	12.6	11.3	9.8	9.3	9.4	7.1	
573	509	447	372	381	383	816	450	327	327	238	213	296	378	413	882	853	1.23
7.3	6.5	5.7	4.9	5.3	5.4	11.2	6.1	4.5	4.5	3.3	2.9	4.0	5.2	5.6	12.0	10.7	
96	263	551	677	414	573	787	781	803	1,083	1,033	1,033	909	885	825	855	902	
1.2	3.4	7.0	8.8	5.7	8.0	10.8	10.7	11.0	14.8	14.1	14.1	12.4	12.1	11.3	11.7	11.3	
**	**	**	**	**	1	143	59	55	62	35	32	36	19	18	26	30	
					(6)	2.0	0.8	0.8	0.8	0.5	0.4	0.5	0.3	0.2	0.4	0.4	
655	714	887	834	606	477	624	631	586	551	500	501	438	499	387	404	368	0.85
8.4	9.1	11.3	10.9	8.4	6.7	8.6	8.6	8.0	7.5	6.8	6.8	6.0	6.8	5.3	5.5	4.6	
1,095	951	871	755	525	486	589	517	472	525	513	512	479	432	390	**	**	
14.0	12.1	11.1	9.9	7.3	6.8	8.1	7.1	6.4	7.2	7.0	7.0	6.5	5.9	5.3			
2,091	1,947	1,730	1,239	926	812	880	364	428	355	398	423	341	369	350	729	676	
26.8	24.9	22.0	16.2	12.8	11.4	12.1	5.0	5.8	4.8	5.4	5.8	4.7	5.0	4.8	10.0	8.4	
711	908	680	641	711	603	600	649	605	558	605	577	557	545	524	494	448	1.00
9.1	11.6	8.6	8.4	9.8	8.4	8.3	8.9	8.3	7.6	8.3	7.9	7.6	7.4	7.2	6.7	5.6	
366	592	992	1,663	1,700	1,763	1,902	2,209	2,041	2,007	1,607	1,209	1,018	793	675	690	714	1.00
4.7	7.6	12.6	21.7	23.5	24.7	26.2	30.2	27.9	27.4	21.9	16.5	13.9	10.8	9.2	9.4	8.9	
**	**	946	1,062	699	696	504	144	141	200	176	146	153	159	135	153	155	
		10.9	13.9	9.7	9.7	6.9	2.0	1.9	2.7	2.4	2.0	2.1	2.2	1.8	2.1	1.9	
**	**	**	**	**	**	**	76	73	78	94	101	77	74	82	132	211	1.55
							1.0	1.0	1.1	1.3	1.4	1.1	1.0	1.1	1.8	2.6	
**	**	**	**	**	**	**	247	273	253	291	282	273	235	250	244	213	0.89
							3.4	3.7	3.5	4.0	3.9	3.7	3.2	3.4	3.3	2.7	

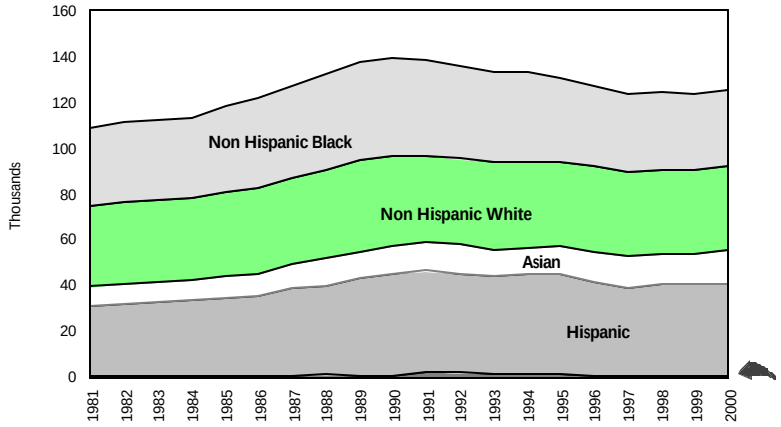


Figure 4 . Live Births by Mother's Ethnic Group
New York City, 1981-2000

The total number of live births registered in New York City rose about 30% during the 1980s from 108,547 in 1981 to 139,630 in 1990, the highest number since 1970. From 1990 to 2000, live births declined 10%. Through the decade of the 1990s and in 2000 , there were more births to Hispanic women than to women of any other ethnic group although births to Puerto Rican women declined. Births to both non-Hispanic black and non-Hispanic white women peaked in 1989; by 2000 births to non-Hispanic white mothers declined 7%, and to non-Hispanic black mothers declined 24%. From 1981 to 2000, births to Asian and Pacific Islander women increased 79%, while the population of Asians and Pacific Islanders increased from about 230,000 in 1980 to over 489,000 in 1990 and 783,000 in 2000.

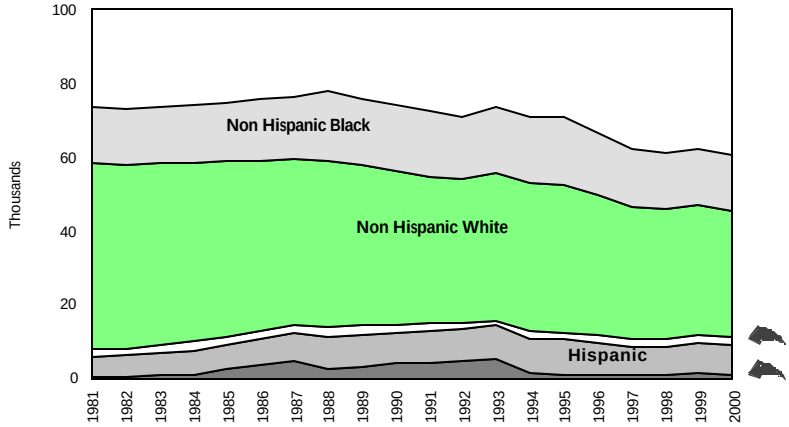


Figure 5 . Deaths by Ethnic Group of Decedent
New York City, 1981-2000

While the number of deaths from 1981 to 2000 declined 17%, from 73,329 to 60,839, and declined 22% from the peak number of deaths in this period, 77,817 in 1988, the number of deaths among Hispanics is about 45% greater in 2000, reflecting the increase of 54% in the Hispanic population. The number of deaths among non-Hispanic blacks and among Asians is about the same in 2000 as in 1981; most of the overall decline is accounted for by the decline in non-Hispanic white deaths of over 30% as this population group declined 24%.

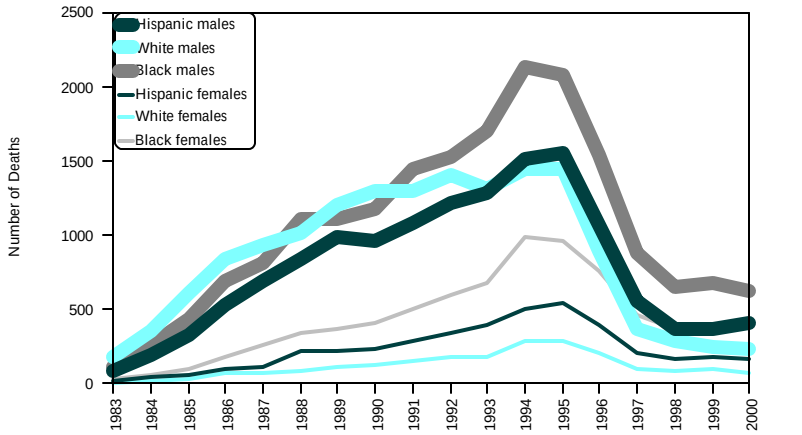


Figure 6 . Deaths Due to HIV Disease
by Sex and Selected Ethnic Group
New York City, 1983-2000

The number of deaths due to HIV disease declined 72% from 1994 to 1998, increased 2% from 1998 to 1999, and decreased 3% from 1999 to 2000 to a number just lower than the 1998 total. However, the number of deaths among Hispanic men increased 12% and among non-Hispanic black women increased 6%.
The possible effect of changes between ICD- 9 and ICD-10, in 1999, have not been analyzed.
See the Technical Notes for a discussion of HIV disease and AIDS as a cause of death. See the Special Note for a discussion of ICD-10.

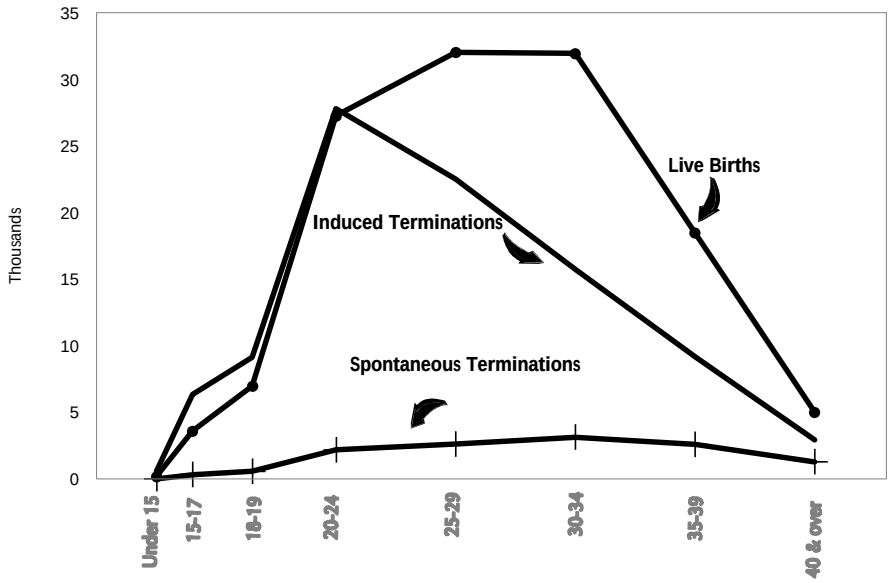
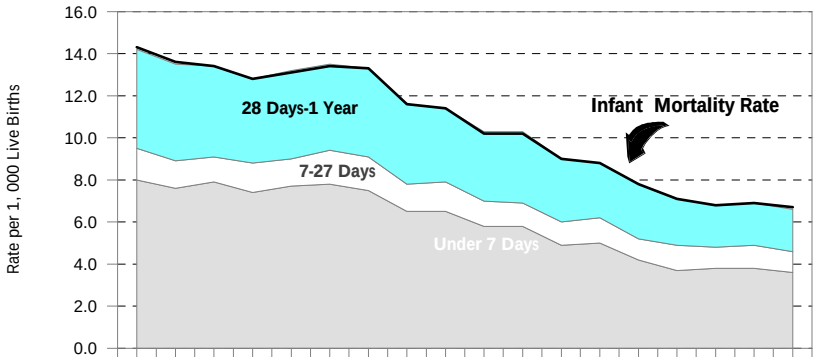


Figure 7. Live Births, Induced Terminations and Spontaneous Terminations of Pregnancy by Age of Woman New York City, 2000

Over 230,000 pregnancy outcomes were reported in New York City in 2000. About 54% were live births, 41% were induced terminations, and the remainder were spontaneous terminations (fetal deaths). The proportion of pregnancies ending in an induced termination is highest among younger women, and stabilizes at around 30% at age 30. For women under the age of 25, the pregnancy outcome is more likely to be an induced or spontaneous termination than a live birth.

The number of induced and spontaneous terminations reported to the Department of Health depends to some extent on active surveillance, notwithstanding that all spontaneous terminations, not just those of a certain gestational age or weight, are required to be reported.



	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Infant Mortality (Under 1 Year)	14.3	13.6	13.4	12.8	13.1	13.4	13.3	11.6	11.4	10.2	10.2	9.0	8.8	7.8	7.1	6.8	6.9	6.7
Post-Neonatal (28 Days-1 Year)	4.7	4.6	4.3	4.0	4.2	4.1	4.2	3.8	3.5	3.3	3.4	3.0	2.6	2.6	2.2	2.0	2.0	2.0
Late Neonatal (7-27 Days)	1.5	1.3	1.2	1.4	1.3	1.6	1.6	1.3	1.4	1.2	1.1	1.1	1.2	1.0	1.2	1.0	1.1	1.0
Early Neonatal (Under 7 Days)	8.0	7.6	7.9	7.4	7.7	7.8	7.5	6.5	6.5	5.8	5.8	4.9	5.0	4.2	3.7	3.8	3.8	3.6

Figure 8. Infant, Neonatal and Post-neonatal Mortality Rates New York City, 1983-2000

The New York City Infant Mortality Rate resumed its decline in 2000, reaching the historic low level of 6.7 deaths per 1,000 live births. Deaths in both the early (under seven days) and late (seven to twenty-seven days) neonatal periods declined, while post-neonatal deaths (28 days to under one year) remained the same. From 1990 to 2000, the rates of both early neonatal deaths and post-neonatal deaths declined by almost half, while the rate for late neonatal deaths declined by about one quarter.

Table 26. **Live Births, Spontaneous and Induced Terminations of Pregnancy by Borough of Residence and Age of Woman New York City, 2000**

Borough of Residence/ Pregnancy Outcome	Total	Age of Woman								
		Under 15	15-17	18-19	20-24	25-29	30-34	35-39	40 & Over	Unknown & Not Stated
NEW YORK CITY	232,926	825	10,296	16,709	57,264	57,161	50,817	30,284	9,271	299
Live Births	125,563	202	3,611	6,987	27,274	32,033	31,938	18,488	5,028	2
Spontaneous Terminations	12,897	24	327	583	2,191	2,626	3,144	2,603	1,290	109
Induced Terminations	94,466	599	6,358	9,139	27,799	22,502	15,735	9,193	2,953	188
MANHATTAN	35,076	123	1,525	2,253	7,407	7,840	8,666	5,386	1,839	37
Live Births	19,914	25	557	943	3,263	4,285	5,932	3,719	1190	–
Spontaneous Terminations	1,982	5	49	70	280	350	508	464	243	13
Induced Terminations	13,180	93	919	1,240	3,864	3,205	2,226	1,203	406	24
BRONX	45,888	218	2,702	4,215	13,204	11,496	8,215	4,577	1,207	54
Live Births	21,547	63	1,043	1,867	5,898	5,568	4,268	2,317	523	–
Spontaneous Terminations	2,584	8	103	173	535	568	558	417	196	26
Induced Terminations	21,757	147	1,556	2,175	6,771	5,360	3,389	1,843	488	28
BROOKLYN	74,730	266	3,464	5,611	20,216	19,032	14,704	8,598	2,741	98
Live Births	39,523	70	1,219	2,437	10,201	10,570	8,634	4,950	1,442	–
Spontaneous Terminations	3,894	7	111	202	805	826	903	666	345	29
Induced Terminations	31,313	189	2,134	2,972	9,210	7,636	5,167	2,982	954	69
QUEENS	50,703	140	1,857	3,356	12,045	13,143	11,501	6,658	1,934	69
Live Births	28,517	32	647	1,371	6,103	8,072	7,377	3,964	951	–
Spontaneous Terminations	2,701	2	45	110	432	582	674	575	260	21
Induced Terminations	19,485	106	1,165	1,875	5,510	4,489	3,450	2,119	723	48
RICHMOND	9,104	32	320	523	1,778	2,211	2,530	1,352	349	9
Live Births	5,899	9	103	237	966	1,581	1,900	907	196	–
Spontaneous Terminations	698	2	16	18	72	161	195	170	58	6
Induced Terminations	2,507	21	201	268	740	469	435	275	95	3
NON-RESIDENTS	17,130	45	412	727	2,523	3,378	5,156	3,678	1,187	24
Live Births	10,154	3	42	130	842	1,955	3,825	2,631	726	–
Spontaneous Terminations	1,029	–	3	10	66	139	305	310	188	8
Induced Terminations	5,947	42	367	587	1,615	1,284	1026	737	273	16
RESIDENCE UNKNOWN	295	1	16	24	91	61	45	35	14	8
Live Births	9	–	–	2	1	2	2	–	–	2
Spontaneous Terminations	9	–	–	–	1	–	1	1	–	6
Induced Terminations	277	1	16	22	89	59	42	34	14	–

Table 27. **Spontaneous Terminations of Pregnancy by Gestation and Age of Woman New York City, 2000**

Gestation in Weeks	Total	Age of Woman								
		Under 15	15-17	18-19	20-24	25-29	30-34	35-39	40 & Over	Not Stated
Total	12,897	24	327	583	2,191	2,626	3,144	2,603	1,290	109
Under 13	8,289	17	177	362	1,319	1,631	2,071	1,732	931	49
13-15	1,299	1	46	67	236	263	308	264	105	9
16-19	950	3	30	41	167	210	231	192	68	8
20-27	868	1	34	41	186	189	210	155	49	3
28 & Over	507	–	16	34	104	124	113	89	26	1
Not Stated	984	2	24	38	179	209	211	171	111	39

Table 28. Live Births, Spontaneous Terminations of 28 Weeks Gestation and Over and Induced Terminations of Pregnancy by Boroughs of Residence and Occurrence New York City, 2000

Borough of Residence/ Pregnancy Outcome	Total	Borough of Occurrence				
		Manhattan	Bronx	Brooklyn	Queens	Richmond
NEW YORK CITY	220,536	85,830	28,623	51,869	47,110	7,104
Live Births	125,563	42,360	17,863	32,764	25,683	6,893
Spontaneous Terminations	507	154	83	163	84	23
Induced Terminations	94,466	43,316	10,677	18,942	21,343	188
MANHATTAN	33,161	31,205	901	380	653	22
Live Births	19,914	19,276	390	123	103	22
Spontaneous Terminations	67	66	1	–	–	–
Induced Terminations	13,180	11,863	510	257	550	–
BRONX	43,409	16,016	26,024	368	982	19
Live Births	21,547	4,812	16,429	106	181	19
Spontaneous Terminations	105	24	81	–	–	–
Induced Terminations	21,757	11,180	9,514	262	801	–
BROOKLYN	71,026	18,147	286	46,191	5,260	1,142
Live Births	39,523	7,055	113	29,899	1,326	1130
Spontaneous Terminations	190	26	1	154	8	1
Induced Terminations	31,313	11,066	172	16,138	3,926	11
QUEENS	48,098	9,359	252	2,768	35,665	54
Live Births	28,517	5,347	143	1,651	21,323	53
Spontaneous Terminations	96	19	–	6	70	1
Induced Terminations	19,485	3,993	109	1,111	14,272	–
RICHMOND	8,429	1,709	17	1,186	100	5,417
Live Births	5,899	240	2	417	18	5,222
Spontaneous Terminations	23	1	–	1	–	21
Induced Terminations	2,507	1,468	15	768	82	174
NON-RESIDENTS	16,127	9,298	1,115	897	4,367	450
Live Births	10,154	5,627	783	566	2,731	447
Spontaneous Terminations	26	18	–	2	6	–
Induced Terminations	5,947	3,653	332	329	1,630	3
RESIDENCE UNKNOWN	286	96	28	79	83	0
Live Births	9	3	3	2	1	–
Spontaneous Terminations	0	–	–	–	–	–
Induced Terminations	277	93	25	77	82	–

Table 29. Induced Terminations of Pregnancy by Selected Characteristics and Age of Women New York City, 2000

	Total	Age of Women								
		Under 15	15-17	18-19	20-24	25-29	30-34	35-39	40 & Over	Not Stated
Induced Termination of Pregnancy, All	94,466	599	6,358	9,139	27,799	22,502	15,735	9,193	2,953	188
Ethnic Group										
Hispanic	31,118	201	2,239	3,327	10,052	7,575	4,631	2,377	657	59
Asian and Pacific Islander	4,873	9	213	314	1,199	1,236	968	654	268	12
White Non-Hispanic	10,438	36	410	814	2,698	2,473	1,991	1,391	593	32
Black Non-Hispanic	45,150	326	3,284	4,427	13,016	10,543	7,675	4,480	1,317	82
Other	532	4	36	48	142	120	102	57	23	–
Not Stated	2,355	23	176	209	692	555	368	234	95	3
Marital Status										
Married	15,449	8	72	254	2,417	4,092	4,369	3,027	1,177	33
Not Married	76,534	581	6,166	8,684	24,705	17,761	10,934	5,909	1,676	118
Not Stated	2,483	10	120	201	677	649	432	257	100	37
Gestation Age										
6 Weeks or Less	25,654	104	1,084	1,872	7,249	6,783	4,901	2,667	930	64
7 - 8 Weeks	30,860	116	1,526	2,471	8,779	7,941	5,626	3,327	1,008	66
9 - 10 Weeks	16,296	114	1,217	1,717	5,024	3,684	2,523	1,527	470	20
10 - 12 Weeks	8,534	76	886	1,134	2,683	1,709	1,157	662	213	14
13 - 15 Weeks	5,004	68	601	735	1,599	951	589	344	104	13
16 - 20 Weeks	4,998	70	649	775	1,547	853	565	380	152	7
21 or More Weeks	2,300	50	357	373	688	374	215	192	51	–
Not Stated	820	1	38	62	230	207	159	94	25	4
Type of Termination Procedures										
Suction Curettage	75,857	393	4,513	6,817	22,115	18,621	13,223	7,620	2,404	151
Sharp Curettage / D + C	5,904	33	347	531	1,860	1,452	943	544	185	9
Dilatation and Evacuation	10,633	164	1,375	1,621	3,258	1,891	1,210	813	282	19
Intrauterine Instillation	438	4	47	60	149	64	65	33	15	1
Hysterotomy / Hysterectomy	3	–	–	–	–	–	–	1	2	–
Medical (Non-Surgical)	698	–	16	40	176	218	127	85	31	5
Other	45	–	1	2	8	15	9	5	4	1
Not Stated	888	5	59	68	233	241	158	92	30	2

Table A. Marriages, Births and Deaths by Month and Average per Day
New York City, 2000

MONTHS	NUMBER			AVERAGE PER DAY		
	MARRIAGES	BIRTHS	DEATHS	MARRIAGES	BIRTHS	DEATHS
January	3,297	10,594	6,556	106	342	211
February	3,994	9,775	5,169	138	337	178
March	4,635	10,534	5,045	150	340	163
April	4,644	9,664	4,836	155	322	161
May	5,680	10,529	5,021	183	340	162
June	5,795	10,540	4,680	193	351	156
July	5,434	10,668	4,732	175	344	153
August	6,457	10,842	4,728	208	350	153
September	5,138	10,576	4,570	171	353	152
October	4,839	10,736	4,975	156	346	160
November	4,221	10,296	5,089	141	343	170
December	4,157	10,809	5,438	134	349	175
Total	58,291	125,563	60,839	160	344	167

See Technical Notes.

Table B. Most Popular Baby Names by Sex
New York City, Selected Years

Rank	GIRLS											
	1898	1928	1948	1980	1985	1990	1995	1996	1997	1998	1999	2000
1	Mary	Mary	Linda	Jennifer	Jennifer	Stephanie	Ashley	Ashley	Ashley	Ashley	Ashley	Ashley
2	Catherine	Marie	Mary	Jessica	Jessica	Jessica	Jessica	Jessica	Samantha	Samantha	Samantha	Samantha
3	Margaret	Annie	Barbara	Melissa	Christina	Ashley	Amanda	Samantha	Jessica	Jessica	Emily	Kayla
4	Annie	Margaret	Patricia	Nicole	Stephanie	Jennifer	Samantha	Stephanie	Nicole	Amanda	Sarah	Emily
5	Rose	Catherine	Susan	Michelle	Melissa	Amanda	Stephanie	Nicole	Amanda	Nicole	Nicole	Brianna
6	Marie	Gloria	Kathleen	Elizabeth	Nicole	Samantha	Jennifer	Amanda	Sarah	Emily	Kayla	Sarah
7	Esther	Helen	Carol	Lisa	Elizabeth	Nicole	Nicole	Jennifer	Stephanie	Jennifer	Jessica	Jessica
8	Sarah	Teresa	Nancy	Christina	Amanda	Christina	Sarah	Sarah	Jennifer	Sarah	Brianna	Nicole
9	Frances	Joan	Margaret	Tiffany	Danielle	Melissa	Michelle	Michelle	Emily	Brianna	Amanda	Michelle
10	Ida	Barbara	Diane	Maria	Lauren	Michelle	Emily	Emily	Brianna	Stephanie	Jennifer	Amanda

Rank	BOYS											
	1898	1928	1948	1980	1985	1990	1995	1996	1997	1998	1999	2000
1	John	John	Robert	Michael	Michael	Michael	Michael	Michael	Michael	Michael	Michael	Michael
2	William	William	John	David	Christopher	Christopher	Christopher	Christopher	Christopher	Christopher	Justin	Justin
3	Charles	Joseph	James	Jason	Daniel	Jonathan	Kevin	Anthony	Joseph	Justin	Matthew	Christopher
4	George	James	Michael	Joseph	David	Anthony	Daniel	Kevin	Matthew	Joseph	Christopher	Matthew
5	Joseph	Richard	William	Christopher	Anthony	David	Jonathan	Daniel	Justin	Matthew	Joseph	Daniel
6	Edward	Edward	Richard	Anthony	Joseph	Daniel	Joseph	Joseph	Daniel	Anthony	Daniel	Anthony
7	James	Robert	Joseph	John	Jonathan	Joseph	Anthony	Matthew	Anthony*	Daniel	Anthony	Joshua
8	Louis	Thomas	Thomas	Daniel	Jason	Matthew	Matthew	Justin	Brandon*	Brandon	David	David
9	Francis	George	Stephen	Robert	John	John	David	Jonathan	David	Nicholas	Kevin	Joseph
10	Samuel	Louis	David	James	Robert	Andrew	Justin	David	Jonathan	David	Joshua	Kevin

* Tied Ranks

Table C. Most Popular Baby Names by Sex and Mother's Ethnic Group
New York City, 2000

Rank	GIRLS				BOYS			
	HISPANIC	BLACK	WHITE	ASIAN & P.I.	HISPANIC	BLACK	WHITE	ASIAN & P.I.
1	Ashley	Kayla	Sarah	Michelle	Justin	Joshua	Michael	Kevin
2	Samantha	Brianna	Samantha	Emily	Christopher	Justin	Joseph	Justin
3	Jennifer	Ashley	Julia	Amy*	Kevin	Michael	Matthew	Jason
4	Emily	Jada	Emily	Jenny*	Brandon	Christopher	Nicholas	David
5	Brianna	Destiny	Rachel	Angela**	Michael	Elijah	Daniel	Eric
6	Kayla	Imani	Nicole	Sarah**	Anthony	Jordan	John	Matthew
7	Michelle	Jasmine	Olivia	Jessica***	Joshua	Brandon	Christopher	Andrew
8	Kimberly*	Nia	Alexandra	Tiffany***	Jose	Isaiah	Anthony	Ryan
9	Nicole*	Christina	Victoria	Jennifer	Daniel	Anthony	David	Jonathan
10	Destiny	Diamond	Esther*	Stephanie	David	David	Jacob	Andy*
			Jessica*					Brian*
								Michael*

* , **, *** tied ranks.

Note: Persons of Hispanic ethnicity may be of any race.

Mothers of other and unknown ethnicities not shown. See the Technical Notes for a discussion of race, ancestry and ethnicity.

Table 30. **Live Births by Ancestry of Mother and Borough of Residence**
New York City, 2000

Ancestry of Mother	Total	Borough of Residence						
		Manhattan	Bronx	Brooklyn	Queens	Richmond	Non-Residents	Residence Unknown
Total	125,563	19,914	21,547	39,523	28,517	5,899	10,154	9
Puerto Rican	11,615	1,457	5,172	2,737	1,382	470	396	1
Dominican	9,313	2,529	3,515	1,589	1,437	64	177	2
Colombian	1,424	95	72	101	1,051	33	72	–
Ecuadorian	2,727	247	309	529	1,552	34	56	–
Mexican	6,539	937	1,150	2,124	1,946	327	55	–
Cuban	344	85	70	37	72	14	66	–
Other Hispanic	8,348	1,581	1,726	2,130	2,460	160	291	–
African-American	19,308	2,409	4,683	7,777	3,165	620	653	1
American	5,654	1,531	221	1,833	638	318	1,113	–
Guyanese	2,348	13	243	814	1,205	7	66	–
Haitian	2,167	85	48	1,377	517	12	128	–
Jamaican	3,069	80	803	1,276	740	22	148	–
Trinidadian	1,480	34	83	802	508	24	29	–
Other North, Central and South American	2,892	232	361	1,743	398	35	123	–
English	781	390	13	116	66	34	162	–
German	1,837	557	50	267	265	209	489	–
Irish	3,553	687	172	472	676	532	1,014	–
Italian	5,913	558	339	1,133	826	1,789	1,268	–
Polish	1,303	206	15	461	314	84	223	–
Russian	2,155	428	39	828	457	82	321	–
Other European	4,780	1,190	345	1,233	981	295	736	–
Asian Indian	1,914	169	105	175	1,215	79	171	–
Bangladeshi	1,390	64	144	303	864	9	6	–
Chinese	6,179	1,676	120	2,090	1,861	79	353	–
Filipino	893	105	75	111	406	63	133	–
Korean	1,001	167	25	59	613	25	112	–
Pakistani	1,432	41	80	627	593	33	58	–
Other Asian	3,747	653	243	1,280	1,134	124	313	–
Jewish or Hebrew	6,547	615	99	4,279	351	142	1,061	–
Other and Not Stated	4,910	1,093	1,227	1,220	824	180	361	5

Note: See the Technical Notes for a discussion of race, ancestry and ethnicity.

Table 31. **Live Births by Mother's Ethnic Group and Age**
New York City, 2000

Ethnic Group	Total	Age of Mother								
		Under 15	15-17	18-19	20-24	25-29	30-34	35-39	40 & Over	Not Stated
Total	125,563	202	3,611	6,987	27,274	32,033	31,938	18,488	5,028	2
Puerto Rican	11,615	48	773	1,300	3,472	2,663	2,131	1,031	197	–
Other Hispanic	28,695	69	1,242	2,234	7,964	7,738	5,752	3,006	690	–
Asian and Pacific Islander	15,106	4	64	233	2,259	4,804	4,860	2,332	550	–
White Non-Hispanic	36,752	6	174	629	5,443	8,719	11,912	7,503	2,366	–
Black Non-Hispanic	32,879	73	1,350	2,566	8,009	7,975	7,157	4,549	1,200	–
Other	287	2	3	12	78	84	66	32	10	–
Not Stated	229	–	5	13	49	50	60	35	15	2

Note: See the Technical Notes for a discussion of race, ancestry and ethnicity.

Table 32. Selected Characteristics of Live Births and Spontaneous Terminations of Pregnancy 28 Weeks Gestation and Over by Age of Mother, New York City, 2000

		Age of Mother								
	Total	Under 15	15-17	18-19	20-24	25-29	30-34	35-39	40 & Over	Not Stated
Total Live Births	125,563	202	3,611	6,987	27,274	32,033	31,938	18,488	5,028	2
Sex										
Male	64,521	109	1,884	3,588	13,991	16,490	16,373	9,500	2,584	2
Female	61,042	93	1,727	3,399	13,283	15,543	15,565	8,988	2,444	–
Birth Order This Child (Live Births Only)										
First	54,463	202	3,296	5,452	14,949	12,908	11,223	5,072	1,359	2
Second	38,491	–	290	1,308	8,338	10,470	10,611	5,997	1,477	–
Third	18,780	–	25	190	2,918	5,151	5,747	3,832	917	–
Fourth	7,278	–	–	37	805	2,145	2,175	1,643	473	–
Fifth	3,142	–	–	–	180	864	1,027	803	268	–
Sixth or higher	3,409	–	–	–	84	495	1,155	1,141	534	–
Weight at Delivery in Grams										
Under 500	150	–	5	6	34	40	32	29	4	–
500-999	872	1	26	51	155	208	218	157	56	–
1000-1499	1,074	2	40	50	181	238	321	182	60	–
1500-1999	2,070	8	70	94	379	464	545	384	126	–
2000-2499	6,260	20	237	437	1,358	1,399	1,503	964	342	–
2500-2999	22,827	45	864	1,568	5,383	5,567	5,496	3,042	862	–
3000-3499	48,630	74	1,527	2,881	11,115	12,496	12,051	6,804	1,682	–
3500-3999	33,175	39	719	1,548	6,826	8,820	8,696	5,102	1,425	–
4000-4499	8,930	13	110	313	1,582	2,384	2,615	1,524	389	–
4500-4999	1,390	–	12	37	229	370	413	254	75	–
5000 & over	181	–	1	2	31	47	48	45	7	–
Not stated	4	–	–	–	1	–	–	1	–	2
Plurality										
Single	121,219	202	3,566	6,880	26,688	31,066	30,518	17,622	4,675	2
Twin	4,075	–	45	107	568	916	1,310	803	326	–
Triplet	249	–	–	–	18	47	106	51	27	–
Quadruplet	20	–	–	–	–	4	4	12	–	–
Quintuplet	0	–	–	–	–	–	–	–	–	–
Apgar Score at 5 Minutes										
6 or less	5,588	15	186	345	1,173	1,323	1,409	887	250	–
7	5,267	14	222	306	1,102	1,241	1,287	819	276	–
8	18,008	35	602	1,092	3,991	4,298	4,526	2,657	807	–
9	96,230	137	2,587	5,214	20,908	25,052	24,602	14,053	3,677	–
10	235	–	7	15	46	61	59	39	8	–
Not stated	235	1	7	15	54	58	55	33	10	2
Place of Birth										
Home	471	4	8	21	89	129	127	70	23	–
Voluntary Hospital, Private Service	61,536	27	672	1,416	8,466	15,418	19,901	12,162	3,474	–
Voluntary Hospital, General Service	39,960	106	1,896	3,603	11,875	10,338	7,410	3,827	905	–
Municipal Hospital	23,046	65	1,020	1,929	6,707	6,007	4,358	2,345	615	–
Birthing Center	401	–	8	13	89	117	107	58	9	–
Other	149	–	7	5	48	24	35	26	2	2
Attendant										
Physician	112,073	177	2,953	5,849	23,197	28,514	29,485	17,197	4,701	–
Certified Nurse Midwife	12,889	24	635	1,091	3,894	3,352	2,357	1,225	311	–
Other	601	1	23	47	183	167	96	66	16	2
Financial Coverage										
Medicaid	63,630	163	2,870	5,531	19,456	16,440	11,596	6,039	1,535	–
HMO	17,798	11	224	444	2,255	4,535	5,794	3,571	964	–
Third Party	39,084	15	344	681	4,373	9,778	13,384	8,192	2,317	–
Self	4,300	12	144	277	1,023	1,076	993	592	183	–
Not stated	751	1	29	54	167	204	171	94	29	2
First Visit for Prenatal Care*										
First Trimester (1-3 months)	75,119	43	1,542	3,279	14,161	19,068	21,314	12,448	3,264	–
Second Trimester (4-6 months)	29,085	82	1,205	2,238	7,620	7,416	6,088	3,475	961	–
Late (7-9 months)	7,094	36	424	632	1,926	1,754	1,352	762	208	–
No Care	816	13	51	70	223	154	166	110	29	–
Not stated	13,449	28	389	768	3,344	3,641	3,018	1,693	566	2
Marital Status of Mother										
Not Married	55,556	196	3,410	6,015	17,298	13,125	9,140	5,030	1,340	2
Married	70,007	6	201	972	9,976	18,908	22,798	13,458	3,688	–
Years of Education										
None	391	–	8	14	101	113	87	51	17	–
1-11	29,250	190	3,090	3,455	8,374	6,606	4,506	2,365	664	–
12	39,751	–	453	2,774	10,910	10,497	8,909	4,942	1,266	–
13 & over	54,417	–	–	651	7,458	14,321	18,059	10,914	3,014	–
Not stated	1,754	12	60	93	431	496	377	216	67	2
Birthplace of Mother										
United States other than Puerto Rico	58,861	132	2,316	4,075	13,186	13,370	14,675	8,647	2,460	–
Puerto Rico	2,680	10	134	261	776	593	493	323	90	–
Foreign	63,284	58	1,133	2,605	13,155	17,890	16,592	9,423	2,428	–
Not stated	738	2	28	46	157	180	178	95	50	2
Spontaneous Terminations of Pregnancy, 28 weeks & Over										
Total	507	–	16	34	104	124	113	89	26	1
Sex										
Male	212	–	9	8	40	56	52	38	9	–
Female	215	–	4	24	41	51	43	40	12	–
Undetermined	80	–	3	2	23	17	18	11	5	1
Weight at Delivery in Grams										
Under 500	23	–	1	–	4	6	4	7	1	–
500-999	64	–	4	5	12	16	16	4	7	–
1000-1499	62	–	1	8	10	15	16	11	1	–
1500-1999	59	–	4	6	8	17	13	8	3	–
2000-2499	68	–	1	2	11	15	16	19	4	–
2500 & over	142	–	1	10	32	35	31	28	5	–
Not stated	89	–	4	3	27	20	17	12	5	1

* See note on Late or No prenatal Care in Highlights.

Table 33. Selected Characteristics of Live Births and Spontaneous Terminations of Pregnancy 28 Weeks Gestation and Over by Mother's Ethnic Group, New York City, 2000

		Ethnic Group of Mother						
	Total	Puerto Rican	Other Hispanic	Asian	Other White	Other Black	Other	Not Stated
Total Live Births	125,563	11,615	28,695	15,106	36,752	32,879	287	229
Sex								
Male	64,521	5,985	14,627	7,871	18,936	16,831	146	125
Female	61,042	5,630	14,068	7,235	17,816	16,048	141	104
Birth Order This Child (Live Births Only)								
First	54,463	4,676	11,977	7,443	16,787	13,322	132	126
Second	38,491	3,525	9,143	5,232	10,994	9,441	99	57
Third	18,780	1,940	4,946	1,763	4,712	5,361	36	22
Fourth	7,278	799	1,691	445	1,795	2,523	12	13
Fifth	3,142	336	555	146	967	1,127	5	6
Sixth or Higher	3,409	339	383	77	1,497	1,105	3	5
Weight at Delivery in Grams								
Under 500	150	9	31	6	30	71	–	3
500-999	872	87	147	59	147	427	–	5
1000-1499	1,074	132	194	90	213	438	4	3
1500-1999	2,070	219	371	166	530	767	9	8
2000-2499	6,260	684	1,125	711	1,562	2,146	22	10
2500-2999	22,827	2,320	4,797	3,155	5,557	6,880	83	35
3000-3499	48,630	4,476	11,232	6,493	14,024	12,221	96	88
3500-3999	33,175	2,755	8,150	3,611	10,919	7,615	63	62
4000-4499	8,930	781	2,264	725	3,207	1,931	10	12
4500-4999	1,390	129	343	84	509	325	–	–
5000 & over	181	22	40	6	54	58	–	1
Not stated	4	1	1	–	–	–	–	2
Plurality								
Single	121,219	11,290	28,083	14,741	34,883	31,714	287	221
Twin	4,075	320	592	341	1,695	1,119	–	8
Triplet	249	5	12	24	166	42	–	–
Quadruplet	20	–	8	–	8	4	–	–
Quintuplet	0	–	–	–	–	–	–	–
Apgar Score at 5 Minutes								
6 or less	5,588	565	1,258	430	1,146	2,160	13	16
7	5,267	560	1,287	468	1,275	1,655	10	12
8	18,008	1,840	4,622	1,454	4,887	5,124	47	34
9	96,230	8,593	21,443	12,713	29,342	23,764	217	158
10	235	41	47	26	71	50	–	–
Not stated	235	16	38	15	31	126	–	9
Place of Birth								
Home	471	28	56	27	127	221	1	11
Voluntary Hospital, Private Service	61,536	4,638	6,105	6,803	31,170	12,652	58	110
Voluntary Hospital, General Service	39,960	4,305	13,255	5,267	4,166	12,833	31	103
Municipal Hospital	23,046	2,578	9,179	2,971	1,105	7,019	192	2
Birthing Center	401	55	74	23	165	78	5	1
Other	149	11	26	15	19	76	–	2
Attendant								
Physician	112,073	9,991	24,254	13,929	34,083	29,349	275	192
Certified Nurse Midwife	12,889	1,573	4,301	1,118	2,502	3,361	10	24
Other	601	51	140	59	167	169	2	13
Financial Coverage								
Medicaid	63,630	6,901	21,777	8,034	7,052	19,569	208	89
HMO	17,798	1,277	2,020	2,208	7,943	4,296	20	34
Third Party	39,084	3,093	3,888	4,171	20,375	7,436	49	72
Self	4,300	291	860	619	1,317	1,191	10	12
Not stated	751	53	150	74	65	387	–	22
First Visit for Prenatal Care*								
First Trimester (1-3 months)	75,119	6,908	15,793	8,474	25,684	17,984	167	109
Second Trimester (4-6 months)	29,085	3,090	7,647	3,933	5,644	8,653	79	39
Late (7-9 months)	7,094	525	2,118	945	986	2,488	20	12
No Care	816	123	127	55	82	426	–	3
Not stated	13,449	969	3,010	1,699	4,356	3,328	21	66
Marital Status of Mother								
Not Married	55,556	8,172	17,989	2,619	4,132	22,371	125	148
Married	70,007	3,443	10,706	12,487	32,620	10,508	162	81
Years of Education								
None	391	4	130	67	40	144	–	6
1-11	29,250	4,447	11,279	3,174	2,396	7,862	74	18
12	39,751	3,515	9,230	4,553	10,453	11,764	161	75
13 & over	54,417	3,612	7,591	6,895	23,461	12,757	49	52
Not stated	1,754	37	465	417	402	352	3	78
Birthplace of Mother								
United States other than Puerto Rico	58,861	8,999	5,038	643	26,275	17,760	41	105
Puerto Rico	2,680	2,479	175	1	16	8	–	1
Foreign	63,284	89	23,407	14,379	10,240	14,856	246	67
Not stated	738	48	75	83	221	255	–	56
Spontaneous Terminations of Pregnancy, 28 weeks & Over								
Total	507	32	102	45	112	209	1	6
Sex								
Male	212	16	41	19	44	90	1	1
Female	215	5	48	19	47	94	–	2
Undetermined	80	11	13	7	21	25	–	3
Weight at Delivery in Grams								
Under 500	23	1	6	2	3	10	–	1
500-999	64	4	9	6	9	36	–	–
1000-1499	62	2	14	4	8	34	–	–
1500-1999	59	2	11	6	17	23	–	–
2000-2499	68	1	9	12	19	26	–	1
2500 & over	142	12	38	9	28	53	1	1
Not stated	89	10	15	6	28	27	–	3

* See note on Late or No prenatal Care in Highlights.

Table 34. **Live Births by Selected Characteristics and Infant Deaths by Health Center District of Residence, New York City, 2000**

Health Center District	Live Births	Rate*	Percent of Total Live Births with Specified Characteristics: Mother's Ancestry Hispanic Puerto Rican	Hispanic Other Hispanic	Foreign Born Mother	First Live Birth	Under 2,500 Grams	Late or No 1 Prenatal Care	Mother Not Married	On Medicaid	Infant Mortality (Under 1 Year) Number	Rate**	Neonatal Mortality (Under 28 Days) Number	Rate**
NEW YORK CITY	125,563	15.7	9.3	22.9	50.4	43.4	8.3	6.3	44.2	50.7	839	6.7	583	4.6
MANHATTAN	19,914	13.0	7.3	27.5	46.5	51.6	7.8	5.8	40.2	46.7	101	5.1	71	3.6
Central Harlem	2,029	16.4	6.5	13.8	34.2	37.5	11.9	10.5	73.8	74.7	21	10.3	15	7.4
East Harlem	2,096	15.4	19.5	33.8	41.8	43.1	8.3	8.3	59.8	64.1	17	8.1	11	5.2
Kips Bay-Yorkville	2,958	12.2	1.0	5.6	33.0	61.3	6.8	1.9	5.9	4.7	10	3.4	8	2.7
Lower East Side	2,933	12.1	13.5	9.3	56.0	54.6	7.0	4.5	33.1	57.1	9	3.1	7	2.4
Lower West Side	3,088	10.0	4.5	9.0	40.1	63.8	7.2	3.8	19.1	19.9	13	4.2	10	3.2
Riverside	2,403	11.8	5.9	17.1	32.6	54.2	7.2	4.4	27.7	26.8	7	2.9	3	1.2
Washington Heights	4,399	15.8	4.8	76.2	69.2	43.6	7.5	8.2	64.7	76.4	24	5.5	17	3.9
BRONX	21,547	16.2	24.0	31.8	46.6	39.6	9.3	7.0	67.8	66.7	159	7.4	111	5.2
Fordham-Riverdale	4,297	16.3	22.0	38.7	51.2	41.4	7.8	5.9	59.7	63.5	38	8.8	24	5.6
Morrisania	3,337	19.8	23.5	31.8	43.8	36.8	9.7	8.5	75.5	74.0	26	7.8	18	5.4
Mott Haven	2,242	16.2	34.7	37.6	37.2	36.4	11.1	9.1	77.7	78.5	19	8.5	14	6.2
Pelham Bay	2,894	11.8	15.2	12.0	52.1	43.5	10.1	6.4	61.7	54.4	24	8.3	18	6.2
Tremont	4,589	21.3	22.1	41.6	51.8	35.4	9.2	6.8	76.2	76.1	34	7.4	27	5.9
Westchester	4,181	13.9	28.9	24.3	39.5	43.5	9.0	6.4	59.4	55.8	18	4.3	10	2.4
BROOKLYN	39,523	16.0	6.9	16.5	50.4	41.0	8.3	6.6	45.7	55.5	274	6.9	187	4.7
Bay Ridge	3,946	14.5	4.8	12.5	60.6	44.9	6.8	4.5	19.5	40.6	17	4.3	15	3.8
Bedford	3,842	16.7	3.5	6.5	44.2	38.6	10.7	9.7	67.0	63.4	36	9.4	27	7.0
Brownsville	4,914	16.3	8.7	9.6	47.2	39.2	10.3	7.9	69.0	61.2	47	9.6	31	6.3
Bushwick	3,684	19.0	17.1	45.8	49.0	37.7	8.8	7.8	70.3	77.3	27	7.3	17	4.6
Flatbush	8,670	16.1	2.3	9.5	59.4	40.2	9.0	7.1	42.3	49.6	67	7.7	46	5.3
Fort Greene	2,179	14.3	8.7	14.0	31.5	44.5	10.6	7.9	63.1	59.9	23	10.6	10	4.6
Gravesend	3,727	12.0	4.5	12.2	61.9	49.8	6.9	6.0	27.4	44.8	21	5.6	14	3.8
Red Hook-Gowanus	1,400	12.6	14.3	15.4	30.1	52.0	8.9	4.3	37.1	36.4	8	5.7	5	3.6
Sunset Park	4,115	21.0	6.9	26.8	53.3	37.5	5.4	3.4	29.7	59.1	12	2.9	10	2.4
Williamsburg-Greenpoint	3,043	19.0	10.3	22.8	31.6	34.7	5.2	5.9	30.9	60.6	16	5.3	12	3.9
QUEENS	28,517	12.8	4.8	29.9	69.0	45.2	7.6	7.3	42.6	55.6	164	5.8	118	4.1
Astoria-Long Island City	3,543	13.1	4.3	34.9	73.6	49.1	7.3	7.2	41.7	61.8	19	5.4	14	4.0
Corona	6,291	17.2	1.9	60.1	86.4	46.2	6.9	9.3	52.5	71.8	35	5.6	26	4.1
Flushing	4,711	9.5	2.9	16.5	70.3	45.2	6.3	5.9	22.1	42.3	26	5.5	19	4.0
Jamaica East	4,522	12.0	2.9	10.9	58.0	41.4	10.0	8.0	56.1	55.0	45	10.0	31	6.9
Jamaica West	5,795	13.7	9.0	23.2	60.9	42.4	8.5	7.5	46.8	56.7	29	5.0	23	4.0
Maspeth-Forest Hills	3,652	12.4	8.8	24.3	59.7	49.0	6.4	4.7	29.5	38.2	10	2.7	5	1.4
RICHMOND	5,899	13.3	8.0	10.7	26.2	39.3	8.6	5.7	27.5	24.1	36	6.1	27	4.6
NON-RESIDENTS	10,154	–	3.9	7.1	27.8	41.7	9.1	2.0	10.7	7.2	101	9.9	65	6.4
RESIDENCE UNKNOWN	9	–	–	–	–	–	–	–	–	–	4	–	4	–

*Rate per 1,000 population. **Rate per 1,000 live births.
1 See note on Late or No prenatal Care in Highlights.

Table 35. **Live Births by Selected Characteristics and Mother's Ancestry New York City, 2000**

Ancestry of Mother	Live Births	Percent of Live Births with Specified Characteristics: Foreign Born Mother	First Live Birth	Under 2,500 Grams	Late or No* Prenatal Care	Mother Not Married	On Medicaid	Teenage Mother
Total	125,563	50.4	43.4	8.3	6.3	44.2	50.7	8.6
Puerto Rican	11,615	0.8	40.3	9.7	5.6	70.4	59.4	18.3
Dominican	9,313	83.4	40.1	7.4	6.6	64.0	74.9	11.1
Colombian	1,424	87.3	48.7	5.7	8.1	54.9	59.5	7.6
Ecuadorian	2,727	89.4	39.5	5.4	8.2	50.4	76.9	9.0
Mexican	6,539	96.8	42.3	6.1	9.6	71.6	90.8	15.8
Cuban	344	35.2	47.7	6.1	2.0	38.1	32.0	7.3
Other Hispanic	8,348	66.0	42.5	6.3	7.9	60.6	69.6	13.2
African-American	19,308	10.8	41.0	12.6	7.8	76.8	57.5	16.0
American	5,654	3.3	46.7	7.9	2.9	17.6	18.3	4.0
Guyanese	2,348	97.3	42.1	12.6	5.5	46.1	53.4	6.2
Haitian	2,167	91.9	40.0	12.2	9.6	41.3	56.6	4.2
Jamaican	3,069	95.9	39.5	9.5	9.4	68.8	61.1	8.3
Trinidadian	1,480	97.3	46.2	10.0	12.2	55.3	63.4	9.9
Other North, Central and South American	2,892	91.1	44.1	10.4	9.5	54.5	53.0	6.1
English	781	27.0	56.2	4.7	1.8	7.3	3.7	0.6
German	1,837	11.6	52.5	6.6	1.7	12.4	7.5	1.7
Irish	3,553	10.4	48.3	6.4	1.6	11.9	6.8	1.2
Italian	5,913	7.7	46.3	7.1	1.8	12.8	8.2	2.0
Polish	1,303	54.2	51.7	5.6	4.2	12.7	27.1	1.6
Russian	2,155	64.5	51.6	5.9	3.7	14.5	20.6	1.3
Other European	4,780	53.2	52.1	7.3	4.0	11.8	21.0	1.8
Asian Indian	1,914	95.8	48.6	10.3	6.4	14.8	42.6	2.3
Bangladeshi	1,390	99.6	41.2	9.8	8.5	22.0	78.8	3.0
Chinese	6,179	94.5	52.0	4.3	4.5	17.3	58.2	1.6
Filipino	893	90.7	48.3	7.7	6.3	20.4	22.4	2.8
Korean	1,001	94.9	53.5	4.4	8.0	10.3	35.2	0.6
Pakistani	1,432	98.9	38.1	8.4	14.1	10.6	73.3	1.8
Other Asian	3,747	90.8	46.6	6.1	6.4	13.9	45.5	4.1
Jewish or Hebrew	6,547	93.2	61.7	7.2	5.8	8.1	76.5	3.8
Other & Not Stated	4,910	73.5	39.2	9.3	9.9	35.7	56.2	3.3

Note: See Technical Notes for a discussion of race, ancestry and ethnicity.
* See note on Late or No prenatal Care in Highlights.

Table 36.

Live Births by Selected Characteristics and Infant Deaths by Community District of Residence, New York City, 2000

Community District	Live Births	Rate*	Percent of Total Live Births with Specified Characteristics								Infant Mortality (Under 1 Year)		Neonatal Mortality (Under 28 Days)	
			Mother's Ancestry Hispanic		Foreign Born Mother	First Live Birth	Under 2,500 Grams	Late or No Prenatal Care 1	Mother Not Married	On Medicaid				
			Puerto Rican	Other Hispanic							Number	Rate**	Number	Rate**
Manhattan	19,813	12.9	7.3	27.3	46.5	51.7	7.8	5.8	40.1	46.6	99	5.0	69	3.5
01	436	12.7	3.7	6.9	37.2	59.6	6.2	2.1	10.8	6.9	2	4.6	2	4.6
02	745	8.0	1.6	4.8	42.0	64.3	5.6	2.7	15.2	17.7	3	4.0	2	2.7
03	2,320	14.1	16.0	10.0	63.9	51.0	6.8	5.0	38.8	71.6	8	3.4	7	3.0
04	777	8.9	10.6	18.3	41.8	61.1	7.9	6.0	36.2	35.4	5	6.4	4	5.1
05	436	9.9	2.5	7.1	43.3	69.0	8.0	5.3	19.7	19.5	2	4.6	2	4.6
06	1,259	9.2	2.4	6.0	37.0	67.0	6.4	2.9	9.0	6.7	2	1.6	1	0.8
07	2,568	12.4	4.9	12.3	29.4	58.7	7.4	3.2	18.1	16.1	5	1.9	3	1.2
08	2,734	12.6	1.4	6.5	31.2	59.7	7.0	1.7	6.8	6.3	12	4.4	10	3.7
09	1,584	14.2	5.7	52.0	57.6	44.4	8.7	8.7	64.3	71.6	8	5.1	4	2.5
10	1,785	16.7	5.5	13.4	36.2	37.1	11.9	10.2	73.3	75.2	18	10.1	12	6.7
11	1,930	16.4	22.2	36.0	40.1	39.3	9.5	10.1	72.2	75.9	17	8.8	11	5.7
12	3,231	15.5	4.4	80.8	71.8	44.1	6.8	7.9	62.7	75.2	17	5.3	11	3.4
Bronx	21,648	16.2	24.0	31.9	46.6	39.6	9.3	7.0	67.7	66.7	161	7.4	113	5.2
01	1,470	17.9	35.4	35.0	34.6	35.7	10.3	9.3	78.5	80.5	10	6.8	7	4.8
02	918	19.6	37.8	40.0	38.8	38.8	10.9	9.0	78.6	76.0	6	6.5	5	5.4
03	1,303	19.0	26.6	22.6	31.3	35.1	10.7	8.4	78.9	70.5	14	10.7	10	7.7
04	2,974	21.3	18.1	41.6	56.4	36.6	9.3	7.9	72.8	76.4	25	8.4	16	5.4
05	2,729	21.3	20.1	42.6	53.2	34.6	9.4	6.7	77.2	76.6	21	7.7	17	6.2
06	1,378	18.2	35.5	31.9	36.4	34.8	9.4	5.7	77.2	73.9	13	9.4	9	6.5
07	2,633	18.6	23.6	40.5	55.9	41.4	7.4	6.9	63.5	69.4	20	7.6	12	4.6
08	1,212	12.0	12.5	39.3	47.0	46.4	8.4	5.1	42.5	45.2	12	9.9	10	8.3
09	2,714	16.2	29.5	26.4	40.9	42.7	9.2	7.3	67.9	63.9	13	4.8	8	2.9
10	1,052	9.1	27.9	14.4	28.7	46.5	9.1	4.6	43.9	32.6	4	3.8	3	2.9
11	1,363	12.3	22.7	22.3	48.7	43.7	9.2	6.3	47.3	52.2	8	5.9	4	2.9
12	1,895	12.7	11.8	9.0	56.0	43.0	10.0	6.3	67.4	57.3	15	7.9	12	6.3
Brooklyn	39,523	16.0	6.9	16.5	50.4	41.0	8.3	6.6	45.7	55.5	274	6.9	187	4.7
01	3,043	19.0	10.3	22.8	31.6	34.7	5.2	5.9	30.9	60.6	16	5.3	12	3.9
02	1,098	11.1	7.2	11.8	30.0	51.0	10.5	6.3	49.7	46.4	11	10.0	5	4.6
03	2,300	16.0	8.7	12.8	28.3	38.3	12.0	9.8	76.4	71.0	26	11.3	15	6.5
04	2,180	20.9	17.2	54.7	50.7	36.7	8.1	7.4	71.6	81.5	12	5.5	9	4.1
05	2,898	16.7	15.1	23.9	44.1	37.9	9.3	7.5	70.6	68.4	27	9.3	15	5.2
06	1,395	13.4	13.0	12.5	27.4	52.1	8.2	3.9	33.3	32.1	5	3.6	3	2.2
07	2,212	18.4	13.3	44.2	67.9	41.5	6.4	4.2	46.9	70.3	9	4.1	7	3.2
08	1,504	15.7	4.3	7.2	45.5	40.8	11.2	9.5	69.0	63.6	16	10.6	11	7.3
09	1,849	17.8	1.9	6.5	62.3	40.2	9.7	9.2	55.7	56.5	14	7.6	7	3.8
10	1,634	13.3	5.3	11.5	60.2	49.4	7.3	4.9	17.2	33.2	10	6.1	8	4.9
11	2,262	13.1	3.7	11.8	66.9	46.6	6.1	5.1	21.3	41.6	9	4.0	9	4.0
12	4,144	22.4	1.6	10.9	43.5	33.3	5.2	3.7	14.9	48.6	13	3.1	12	2.9
13	1,211	11.4	8.5	18.1	60.6	56.2	8.2	9.7	44.0	61.9	9	7.4	3	2.5
14	3,047	18.1	2.9	14.3	62.2	39.7	8.8	7.4	43.7	52.9	17	5.6	12	3.9
15	1,954	12.2	2.0	8.1	60.6	45.6	6.4	4.5	17.5	33.7	10	5.1	9	4.6
16	1,550	18.2	8.9	9.0	30.1	39.0	11.6	10.3	79.8	70.4	20	12.9	12	7.7
17	2,650	16.0	1.8	4.9	71.4	43.3	10.8	8.2	65.7	61.2	27	10.2	21	7.9
18	2,587	13.3	3.9	5.1	54.7	40.1	9.5	5.3	42.1	37.5	23	8.9	17	6.6
Queens	28,517	12.8	4.8	29.9	69.0	45.2	7.6	7.3	42.6	55.6	164	5.8	118	4.1
01	2,533	12.0	5.0	30.3	68.4	47.9	7.0	7.5	41.3	60.6	16	6.3	13	5.1
02	1,570	14.3	2.0	43.3	85.7	51.0	7.5	7.3	41.8	65.1	4	2.5	2	1.3
03	2,815	16.6	2.4	69.1	84.1	44.9	7.2	9.4	55.7	71.7	19	6.7	16	5.7
04	3,057	18.3	1.7	54.5	89.0	46.7	6.6	9.1	50.7	72.2	15	4.9	9	2.9
05	2,211	13.3	12.9	31.5	51.4	45.8	6.5	5.2	37.0	46.4	9	4.1	5	2.3
06	1,242	10.7	2.4	11.6	71.4	55.1	6.3	3.9	17.3	23.2	1	0.8	–	–
07	2,570	10.6	2.1	21.0	76.8	47.7	5.8	7.3	25.4	52.1	15	5.8	11	4.3
08	1,856	12.7	4.4	13.6	70.3	41.4	7.0	4.7	25.6	41.3	12	6.5	9	4.8
09	2,151	15.2	11.1	28.3	68.4	43.9	7.6	6.2	39.9	55.4	6	2.8	5	2.3
10	1,625	12.8	7.5	15.0	63.9	43.3	9.2	6.0	41.2	50.0	5	3.1	4	2.5
11	689	5.9	3.5	11.2	57.5	46.3	6.1	4.4	12.6	22.2	3	4.4	2	2.9
12	3,007	13.4	2.9	16.5	55.6	40.7	10.3	7.7	62.7	60.0	29	9.6	21	7.0
13	1,879	9.6	3.1	8.8	60.7	42.3	9.4	7.9	45.4	45.9	17	9.0	11	5.9
14	1,303	12.2	9.4	18.2	37.8	39.1	10.1	12.2	62.9	64.7	13	10.0	10	7.7
Staten Island	5,899	13.3	8.0	10.7	26.2	39.3	8.6	5.7	27.5	24.1	36	6.1	27	4.6
01	2,481	15.3	11.7	17.3	36.0	38.5	9.6	8.7	45.9	39.4	17	6.9	11	4.4
02	1,520	12.0	6.8	7.6	28.2	39.9	8.9	6.0	19.9	20.5	12	7.9	9	5.9
03	1,879	12.3	3.9	4.5	11.8	39.9	6.8	1.5	9.7	7.1	5	2.7	5	2.7

*Rate per 1,000 population.

**Rate per 1,000 live births.

1 See note on Late or No Prenatal Care in Highlights.

Table 37. **Live Births by Mother's Birthplace and Borough of Residence**
New York City, 2000

Birthplace	Total	Borough of Residence					Non-Residents	Residence Unknown
		Manhattan	Bronx	Brooklyn	Queens	Richmond		
Bangladesh	1,409	61	144	306	881	10	7	–
China	4,975	1,420	93	1,777	1,485	37	163	–
Colombia	1,381	75	62	97	1,058	22	67	–
Cuba	125	28	22	10	33	4	28	–
Dominican Republic	8,998	2,706	3,399	1,473	1,233	45	142	–
Ecuador	2,596	235	277	500	1,515	25	44	–
El Salvador	843	63	120	169	438	7	46	–
Germany	248	105	14	57	31	9	32	–
Guyana	2,627	28	269	930	1,306	17	77	–
Haiti	2,108	80	45	1,371	484	9	119	–
Honduras	907	73	386	244	164	30	10	–
India	1,643	114	74	143	1,096	69	147	–
Ireland	302	39	37	29	143	7	47	–
Israel	1,050	131	28	572	163	39	117	–
Italy	386	70	31	119	64	44	58	–
Jamaica	3,856	99	1,003	1,674	871	36	173	–
Korea	956	141	24	54	611	25	101	–
Mexico	6,449	931	1,130	2,085	1,936	320	47	–
Pakistan	1,419	45	78	621	587	34	54	–
Philippines	829	91	69	100	393	55	121	–
Poland	679	49	3	335	235	27	30	–
Puerto Rico	2,680	307	1,312	653	290	58	60	–
Russia	1,054	80	15	553	298	47	61	–
Trinidad and Tobago	1,913	51	120	1,084	577	37	44	–
Ukraine	531	24	6	398	43	25	35	–
United States	58,861	10,208	10,005	18,741	8,423	4,284	7,195	5
Other & Not Stated	16,738	2,660	2,781	5,428	4,159	577	1,129	4
Total	125,563	19,914	21,547	39,523	28,517	5,899	10,154	9

Table 38. **Live Births by Mother's Birthplace and Age of Mother**
New York City, 2000

Birthplace	Total	Age						
		< 20	20-24	25-29	30-34	35-39	40 +	Unknown
Bangladesh	1,409	42	395	494	341	117	20	–
China	4,975	74	839	1,717	1,484	717	144	–
Colombia	1,381	93	265	320	334	275	94	–
Cuba	125	2	14	21	37	43	8	–
Dominican Republic	8,998	775	2,344	2,389	2,115	1,141	234	–
Ecuador	2,596	200	575	719	642	369	91	–
El Salvador	843	89	206	262	183	81	22	–
Germany	248	15	24	40	97	52	20	–
Guyana	2,627	156	586	706	720	355	104	–
Haiti	2,108	64	297	505	594	490	158	–
Honduras	907	92	220	254	187	117	37	–
India	1,643	34	256	667	470	180	36	–
Ireland	302	–	11	55	133	89	14	–
Israel	1,050	30	210	316	278	167	49	–
Italy	386	2	20	79	149	109	27	–
Jamaica	3,856	284	783	922	959	713	195	–
Korea	956	3	41	326	398	154	34	–
Mexico	6,449	986	2,291	1,879	914	313	66	–
Pakistan	1,419	27	266	478	401	201	46	–
Philippines	829	19	70	153	293	204	90	–
Poland	679	15	133	236	197	76	22	–
Puerto Rico	2,680	405	776	593	493	323	90	–
Russia	1,054	16	209	414	252	135	28	–
Trinidad and Tobago	1,913	177	377	465	455	340	99	–
Ukraine	531	9	88	215	148	60	11	–
United States	58,861	6,523	13,186	13,370	14,675	8,647	2,460	–
Other & Not Stated	16,738	668	2,792	4,438	4,989	3,020	829	2
Total	125,563	10,800	27,274	32,033	31,938	18,488	5,028	2

Table 39. **Live Births to Teenagers by Selected Characteristics and Infant Deaths by Health Center District of Residence, New York City, 2000**

Health Center District	Live Births to Teenagers	Percent of Total Live Births	Percent of Teenage Live Births with Specified Characteristics: Mother's Ancestry Hispanic: Puerto Rican	Mother's Ancestry Hispanic: Other Hispanic	Foreign Born Mother	First Live Birth	Under 2,500 Grams	Late or No* Prenatal Care	Mother Not Married	On Medicaid	Infant Mortality (Under 1 Year): Number	Infant Mortality (Under 1 Year): Rate**	Neonatal Mortality (Under 28 Days): Number	Neonatal Mortality (Under 28 Days): Rate**
NEW YORK CITY	10,800	8.6	19.6	32.8	35.1	82.9	9.7	11.4	89.1	79.3	90	8.3	53	4.9
MANHATTAN	1,525	7.7	18.4	45.3	34.2	82.7	8.1	11.1	92.4	90.2	11	7.2	7	4.6
Central Harlem	288	14.2	10.4	13.9	20.1	82.3	10.8	12.8	96.2	88.9	3	10.4	2	6.9
East Harlem	258	12.3	28.7	43.0	35.7	80.6	8.5	10.1	93.0	93.0	3	11.6	2	7.8
Kips Bay-Yorkville	41	1.4	12.2	7.3	12.2	90.2	4.9	4.9	87.8	90.2	–	–	–	–
Lower East Side	183	6.2	48.1	18.0	24.0	84.2	6.0	8.7	88.0	86.3	–	–	–	–
Lower West Side	91	2.9	19.8	27.5	27.5	84.6	7.7	12.1	94.5	84.6	3	33.0	2	22.0
Riverside	114	4.7	20.2	36.8	20.2	84.2	4.4	10.5	97.4	89.5	1	8.8	1	8.8
Washington Heights	549	12.5	7.5	79.6	50.1	82.1	8.2	11.7	90.5	92.0	1	1.8	–	–
BRONX	2,973	13.8	34.7	31.4	29.5	81.1	10.7	9.7	92.7	79.4	19	6.4	13	4.4
Fordham-Riverdale	527	12.3	36.6	40.8	34.0	78.4	9.9	11.2	89.6	80.1	3	5.7	3	5.7
Morrisania	515	15.4	33.6	26.8	23.1	80.0	10.3	10.7	95.0	78.8	6	11.7	2	3.9
Mott Haven	418	18.6	43.3	32.5	24.6	80.4	10.8	10.3	95.2	84.7	2	4.8	1	2.4
Pelham Bay	308	10.6	22.1	13.6	32.5	83.8	11.7	5.2	91.2	71.8	3	9.7	3	9.7
Tremont	735	16.0	33.5	37.3	33.9	79.5	12.2	9.0	93.6	81.8	4	5.4	3	4.1
Westchester	468	11.2	36.8	27.1	26.9	86.8	9.2	10.3	91.0	75.6	1	2.1	1	2.1
BROOKLYN	3,726	9.4	14.5	25.2	33.9	82.6	10.0	11.4	88.0	79.5	36	9.7	18	4.8
Bay Ridge	178	4.5	16.3	32.6	51.7	80.9	7.9	8.4	62.4	70.8	2	11.2	2	11.2
Bedford	483	12.6	7.7	6.4	23.0	80.5	12.8	15.9	95.7	79.3	5	10.4	3	6.2
Brownsville	652	13.3	13.5	9.4	22.7	81.0	11.3	11.2	97.1	76.5	9	13.8	2	3.1
Bushwick	591	16.0	22.0	44.3	31.8	79.5	8.6	11.2	93.2	84.4	5	8.5	4	6.8
Flatbush	621	7.2	5.8	17.1	44.9	85.8	9.3	10.5	87.0	77.3	2	3.2	1	1.6
Fort Greene	287	13.2	12.2	17.1	21.3	82.6	14.3	12.9	94.4	86.1	8	27.9	2	7.0
Gravesend	279	7.5	13.6	29.0	42.7	87.8	9.3	10.0	72.8	77.4	1	3.6	–	–
Red Hook-Gowanus	117	8.4	35.9	30.8	28.2	76.9	9.4	8.5	87.2	81.2	1	8.5	1	8.5
Sunset Park	278	6.8	16.2	54.3	57.2	83.1	6.5	7.2	73.4	78.1	3	10.8	3	10.8
Williamsburg-Greenpoint	240	7.9	25.0	42.9	30.4	87.9	7.9	13.8	83.8	82.9	–	–	–	–
QUEENS	2,050	7.2	9.1	42.6	48.7	86.0	8.0	13.0	84.9	76.9	15	7.3	10	4.9
Astoria-Long Island City	204	5.8	11.3	53.9	51.5	87.7	4.4	12.7	81.4	80.9	–	–	–	–
Corona	532	8.5	3.6	78.8	71.8	88.5	8.3	13.3	84.0	81.4	4	7.5	4	7.5
Flushing	162	3.4	7.4	38.9	55.6	89.5	9.9	12.3	75.3	74.7	2	12.3	1	6.2
Jamaica East	441	9.8	4.8	10.7	34.0	84.1	8.4	12.7	91.6	75.7	2	4.5	2	4.5
Jamaica West	536	9.2	14.7	28.7	39.6	83.4	8.6	14.0	86.2	74.8	4	7.5	3	5.6
Maspeth-Forest Hills	175	4.8	18.9	45.7	33.7	85.1	6.3	10.9	79.4	69.7	3	17.1	–	–
RICHMOND	349	5.9	16.9	22.3	29.8	83.4	10.6	18.6	89.1	58.7	6	17.2	4	11.5
NON-RESIDENTS	175	–	12.0	17.7	17.7	83.4	17.7	7.4	72.0	49.1	3	–	1	–
RESIDENCE UNKNOWN	2	–	–	–	–	–	–	–	–	–	–	–	–	–

*See note on Late or No prenatal Care in Highlights.
**Rate per 1,000 live births to teenagers.

Table 40. **Live Births to Teenagers by Selected Characteristics, New York City, 1987-2000**

	Year													
	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Total Live Births	127,386	132,226	137,673	139,630	138,148	136,002	133,583	133,662	131,009	126,901	123,313	124,252	123,739	125,563
Percent to Teenagers	10.3	10.4	10.3	10.1	10.1	10.1	10.4	10.6	10.5	10.3	9.6	9.5	9.0	8.6
Births to Teenagers	13,166	13,714	14,121	14,131	13,999	13,795	13,848	14,156	13,713	13,020	11,793	11,789	11,145	10,800
Percent of Births with Specified Characteristics:														
Puerto Rican	29.1	28.6	27.4	27.5	27.0	25.9	25.6	23.4	22.2	22.3	22.2	22.5	21.3	19.6
Other Hispanic	12.9	12.6	15.3	17.2	19.1	20.8	21.6	23.8	28.2	27.2	27.2	28.7	30.7	32.8
Foreign Born Mother	18.6	19.6	21.2	24.6	26.0	26.9	27.9	28.6	30.8	31.3	32.5	32.1	33.5	35.1
First Live Birth	80.3	79.5	79.8	78.7	77.4	78.2	77.9	77.5	78.2	80.2	81.5	81.8	82.2	82.9
Under 2,500 Grams	11.4	11.7	11.4	10.9	11.5	10.4	11.1	10.7	10.6	9.7	10.8	10.3	10.3	9.7
Prenatal Care* in First 6 Months of Pregnancy	58.0	65.8	61.8	60.2	64.0	65.6	66.1	69.5	71.3	71.7	67.3	68.8	69.8	77.7
Not Married	82.1	80.2	82.0	82.4	83.1	84.2	88.1	89.8	89.3	90.8	87.3	88.6	89.0	89.1
On Medicaid	64.3	62.8	66.8	74.2	78.0	79.2	79.4	80.6	78.6	81.5	80.2	78.5	77.7	79.3
Infant Mortality Rate**	14.4	15.0	13.5	13.1	13.6	11.0	11.9	9.9	12.3	9.4	9.5	7.5	8.5	8.3

*See note on Late or No prenatal Care in Highlights.
**Rate per 1,000 live births to teenagers.

Table 41. **Live Births to Teenagers by Selected Characteristics and Infant Deaths by Community District of Residence, New York City, 2000**

Community District	Live Births	Percent of Total Live Births	Percent of Live Births with Specified Characteristics: Mother's Ancestry Hispanic: Puerto Rican	Mother's Ancestry Hispanic: Other Hispanic	Foreign Born Mother	First Live Birth	Under 2,500 Grams	Late or No Prenatal Care *	Mother Not Married	On Medicaid	Infant Mortality (Under 1 Year): Number	Infant Mortality (Under 1 Year): Rate**	Neonatal Mortality (Under 28 Days): Number	Neonatal Mortality (Under 28 Days): Rate**
Manhattan	1,521	7.6	18.3	45.2	34.3	82.6	8.0	11.1	92.4	90.3	11	7.2	7	4.6
01	3	0.7	66.7	33.3	–	100.0	–	–	100.0	100.0	–	–	–	–
02	11	1.5	–	18.2	36.4	81.8	9.1	–	90.9	63.6	–	–	–	–
03	177	7.6	48.6	18.6	24.9	84.2	6.2	8.5	88.1	86.4	–	–	–	–
04	47	6.0	21.3	31.9	29.8	78.7	12.8	17.0	95.7	87.2	3	63.8	2	42.6
05	26	6.0	11.5	26.9	26.9	88.5	–	11.5	92.3	80.8	–	–	–	–
06	9	0.7	22.2	–	33.3	88.9	–	11.1	77.8	77.8	–	–	–	–
07	80	3.1	27.5	32.5	15.0	82.5	2.5	7.5	96.3	87.5	1	12.5	1	12.5
08	40	1.5	12.5	7.5	2.5	90.0	5.0	5.0	95.0	97.5	–	–	–	–
09	188	11.9	7.4	62.8	41.0	84.0	11.2	12.2	93.6	92.0	–	–	–	–
10	252	14.1	9.5	14.7	22.2	83.3	10.7	13.9	95.6	88.1	3	11.9	2	7.9
11	290	15.0	27.6	38.6	32.4	80.0	9.0	9.7	93.8	93.1	3	10.3	2	6.9
12	397	12.3	7.6	84.1	52.6	81.9	6.5	11.8	89.4	92.2	1	2.5	–	–
Bronx	2,977	13.8	34.7	31.5	29.5	81.1	10.7	9.7	92.7	79.4	19	6.4	13	4.4
01	292	19.9	44.2	29.5	21.2	80.8	10.3	9.6	95.5	85.3	2	6.8	1	3.4
02	152	16.6	42.8	38.2	31.6	80.3	10.5	8.6	94.1	82.9	–	–	–	–
03	218	16.7	37.2	17.0	12.8	76.1	10.1	11.9	95.0	74.3	2	9.2	1	4.6
04	421	14.2	29.7	38.5	34.4	81.9	12.4	9.7	93.8	83.8	5	11.9	1	2.4
05	438	16.0	30.4	37.4	35.4	81.3	12.6	9.1	93.6	79.0	2	4.6	2	4.6
06	254	18.4	48.8	27.6	22.0	71.7	10.6	7.9	91.3	79.5	2	7.9	2	7.9
07	334	12.7	34.7	41.0	36.5	80.2	8.4	13.2	90.4	79.6	1	3.0	1	3.0
08	96	7.9	27.1	55.2	36.5	83.3	11.5	11.5	92.7	88.5	1	10.4	1	10.4
09	353	13.0	36.0	27.5	28.0	86.1	9.6	11.0	93.2	75.4	–	–	–	–
10	79	7.5	39.2	19.0	19.0	89.9	13.9	7.6	86.1	69.6	–	–	–	–
11	101	7.4	31.7	31.7	33.7	81.2	6.9	9.9	78.2	79.2	2	19.8	2	19.8
12	237	12.5	19.0	10.1	32.9	84.8	11.4	3.8	94.9	72.2	2	8.4	2	8.4
Brooklyn	3,726	9.4	14.5	25.2	33.9	82.6	10.0	11.4	88.0	79.5	36	9.7	18	4.8
01	240	7.9	25.0	42.9	30.4	87.9	7.9	13.8	83.8	82.9	–	–	–	–
02	114	10.4	10.5	21.9	23.7	79.8	12.3	11.4	93.9	87.7	1	8.8	–	–
03	394	17.1	11.7	12.7	18.5	83.0	14.0	15.2	96.2	81.5	8	20.3	3	7.6
04	366	16.8	19.1	53.8	35.2	79.5	6.8	11.2	91.5	87.7	1	2.7	1	2.7
05	422	14.6	24.6	21.8	24.6	77.5	12.3	9.7	95.3	81.0	7	16.6	3	7.1
06	95	6.8	38.9	25.3	24.2	82.1	10.5	8.4	86.3	82.1	1	10.5	1	10.5
07	211	9.5	24.2	56.4	50.7	78.2	8.5	6.2	86.3	85.8	2	9.5	2	9.5
08	165	11.0	8.5	5.5	26.7	75.8	12.7	13.3	93.3	77.6	3	18.2	1	6.1
09	163	8.8	4.9	6.7	40.5	87.7	12.3	14.7	95.1	76.7	1	6.1	1	6.1
10	72	4.4	16.7	29.2	52.8	86.1	4.2	12.5	56.9	70.8	–	–	–	–
11	94	4.2	10.6	38.3	61.7	83.0	8.5	7.4	68.1	72.3	1	10.6	1	10.6
12	192	4.6	4.2	44.8	56.8	82.8	5.2	6.8	54.2	69.3	2	10.4	2	10.4
13	150	12.4	18.0	27.3	35.3	86.7	10.7	14.0	84.7	87.3	1	6.7	–	–
14	228	7.5	11.0	26.3	42.1	87.7	9.2	13.2	87.3	82.5	–	–	–	–
15	97	5.0	7.2	24.7	49.5	90.7	8.2	5.2	51.5	58.8	–	–	–	–
16	295	19.0	11.5	6.4	13.2	80.0	11.9	14.9	98.6	76.6	4	13.6	1	3.4
17	256	9.7	3.1	4.7	48.0	84.8	7.8	8.6	95.7	76.6	1	3.9	–	–
18	172	6.6	4.1	5.2	30.8	87.2	11.0	10.5	93.0	67.4	3	17.4	2	11.6
Queens	2,050	7.2	9.1	42.6	48.7	86.0	8.0	13.0	84.9	76.9	15	7.3	10	4.9
01	158	6.2	10.8	51.3	48.1	90.5	4.4	10.8	84.8	81.6	–	–	–	–
02	78	5.0	7.7	67.9	71.8	87.2	6.4	16.7	71.8	78.2	–	–	–	–
03	273	9.7	3.7	81.0	68.1	85.3	8.1	12.5	83.9	79.9	3	11.0	3	11.0
04	229	7.5	3.9	76.4	74.2	90.8	8.3	14.4	85.2	83.4	1	4.4	1	4.4
05	146	6.6	21.9	48.6	30.1	82.2	5.5	11.0	80.1	72.6	2	13.7	–	–
06	26	2.1	3.8	30.8	50.0	100.0	11.5	11.5	76.9	57.7	1	38.5	–	–
07	109	4.2	2.8	48.6	63.3	86.2	11.0	15.6	73.4	83.5	1	9.2	–	–
08	62	3.3	12.9	19.4	46.8	88.7	8.1	8.1	82.3	71.0	1	16.1	1	16.1
09	180	8.4	20.6	40.0	52.8	85.0	6.7	12.8	76.7	75.6	1	5.6	–	–
10	118	7.3	11.9	20.3	44.1	86.4	9.3	10.2	87.3	67.8	1	8.5	1	8.5
11	12	1.7	25.0	25.0	33.3	100.0	8.3	8.3	66.7	50.0	–	–	–	–
12	344	11.4	4.7	18.3	36.3	81.1	8.1	14.2	92.4	77.6	2	5.8	2	5.8
13	136	7.2	3.7	5.9	32.4	89.7	7.4	9.6	88.2	72.8	1	7.4	1	7.4
14	179	13.7	14.5	16.2	19.6	82.1	11.2	17.3	95.5	74.3	1	5.6	1	5.6
Staten Island	349	5.9	16.9	22.3	29.8	83.4	10.6	18.6	89.1	58.7	6	17.2	4	11.5
01	249	10.0	16.9	27.7	33.7	80.7	10.4	16.1	92.4	62.2	3	12.0	2	8.0
02	70	4.6	18.6	7.1	18.6	88.6	11.4	31.4	84.3	55.7	2	28.6	1	14.3
03	29	1.5	10.3	13.8	24.1	93.1	10.3	10.3	75.9	37.9	1	34.5	1	34.5

* See note on Late or No prenatal Care in Highlights.

**Rate per 1,000 live births.

Table 42. Live Births and Infant Deaths by Birth Weight, Race and Age, New York City, 2000

Birth Weight in Grams	Live Births				Infant Deaths														
					Total					Age Under 28 Days					Age Under 7 Days				
	Total	White	Black	Other	Total	White	Black	Other	Not Stated	Total	White	Black	Other	Not Stated	Total	White	Black	Other	Not Stated
Less than 500	150	62	79	9	137	58	64	7	8	134	57	62	7	8	131	57	59	7	8
500-999	872	341	467	64	298	125	146	20	7	249	103	120	19	7	196	87	87	15	7
1000-1499	1,074	489	485	100	50	28	14	4	4	36	18	10	4	4	22	10	7	3	2
1500-1999	2,070	1,036	846	188	46	26	15	4	1	32	18	11	2	1	24	15	6	2	1
2000-2499	6,260	3,119	2,391	750	55	31	22	2	–	27	19	6	2	–	21	16	3	2	–
Less than 2500	10,426	5,047	4,268	1,111	586	268	261	37	20	478	215	209	34	20	394	185	162	29	18
2500-2999	22,827	11,477	8,030	3,320	67	32	27	8	–	28	14	11	3	–	17	8	8	1	–
3000-3499	48,630	27,148	14,735	6,747	82	35	43	4	–	33	14	18	1	–	20	10	10	–	–
3500-3999	33,175	20,004	9,377	3,794	36	18	13	5	–	13	6	5	2	–	9	6	1	2	–
4000-4499	8,930	5,759	2,408	763	6	3	3	–	–	1	1	–	–	–	–	–	–	–	–
4500-4999	1,390	901	402	87	2	–	2	–	–	2	–	2	–	–	2	–	2	–	–
5000 & over	181	107	67	7	1	1	–	–	–	–	–	–	–	–	–	–	–	–	–
2500 & over	115,133	65,396	35,019	14,718	194	89	88	17	–	77	35	36	6	–	48	24	21	3	–
Not stated	4	2	–	2	2	2	–	–	–	2	2	–	–	–	2	2	–	–	–
Unmatched*	–	–	–	–	57	40	13	2	2	26	20	4	–	2	11	8	1	–	2
Total	125,563	70,445	39,287	15,831	839	399	362	56	22	583	272	249	40	22	455	219	184	32	20

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

Table 43. Infant Mortality Rates by Birth Weight, Race and Age, New York City, 2000

Birth Weight in Grams	Total				Age Under 28 Days				Age Under 7 Days			
	Total	White	Black	Other	Total	White	Black	Other	Total	White	Black	Other
Less than 500	913.3 *	**	**	**	893.3	**	**	**	873.3	**	**	**
500-999	341.7	366.6	312.6	**	285.6	302.1	257.0	**	224.8	255.1	186.3	**
1000-1499	46.6	57.3	28.9	40.0	33.5	36.8	20.6	40.0	20.5	20.4	14.4	30.0
1500-1999	22.2	25.1	17.7	21.3	15.5	17.4	13.0	10.6	11.6	14.5	7.1	10.6
2000-2499	8.8	9.9	9.2	2.7	4.3	6.1	2.5	2.7	3.4	5.1	1.3	2.7
Less than 2500	56.2	53.1	61.2	33.3	45.8	42.6	49.0	30.6	37.8	36.7	38.0	26.1
2500-2999	2.9	2.8	3.4	2.4	1.2	1.2	1.4	0.9	0.7	0.7	1.0	0.3
3000-3499	1.7	1.3	2.9	0.6	0.7	0.5	1.2	0.1	0.4	0.4	0.7	–
3500-3999	1.1	0.9	1.4	1.3	0.4	0.3	0.5	0.5	0.3	0.3	0.1	0.5
4000-4499	0.7	0.5	1.2	–	0.1	0.2	–	–	–	–	–	–
4500-4999	1.4	–	5.0	**	1.4	–	5.0	**	1.4	–	5.0	**
5000 & over	5.5	9.3	**	**	–	–	**	**	–	–	**	**
2500 & over	1.7	1.4	2.5	1.2	0.7	0.5	1.0	0.4	0.4	0.4	0.6	0.2
Total	6.7	5.7	9.2	3.5	4.6	3.9	6.3	2.5	3.6	3.1	4.7	2.0

* Rate per 1,000 live births. Births and deaths included here were reported in 1999 and do not represent a true birth cohort. ** Rate not computed where base is less than 100.

Note: Quality assurance has reduced the number of infant death certificates with unknown race compared to previous years, thereby increasing the number of deaths reported in each weight-race group and the mortality rate. See the Technical Notes for a fuller discussion.

Table 44. Infant Deaths by Race and Cause by Sex and Age, New York City, 2000

	Preliminary Comparability Ratio	Total	MALE			FEMALE		
			Under 7 Days	7 to 27 Days	28 Days & Over	Under 7 Days	7 to 27 Days	28 Days & Over
Total		839	269	70	122	186	58	134
Race of Infant								
White		399	132	33	58	87	20	69
Black		362	109	31	58	75	34	55
Other and not stated		78	28	6	6	24	4	10
Cause of Death (ICD-10 Codes)								
# Human Immunodeficiency Virus disease (B20-B24)	1.05	3	–	–	1	–	–	2
# Diseases of the Circulatory System (I00-I99)	0.71	12	3	1	5	–	–	3
# Influenza and Pneumonia (J10-J18)	0.76	10	–	–	6	–	–	4
# Newborn Affected by Maternal Complications of Pregnancy (P01)	1.03	17	5	–	–	12	–	–
# Newborn Affected by Complications of Placenta, Cord and Membranes (P02)	1.05	18	10	2	–	6	–	–
# Short Gestation and Low Birth Weight (P07)	1.11	132	65	3	–	55	4	5
# Intrauterine Hypoxia and Birth Asphyxia (P20-P21)	1.45	13	5	1	–	1	3	3
# Respiratory Distress of Newborn (P22)	1.03	60	29	6	2	17	4	2
# Pulmonary Hemorrhage Originating in the Perinatal Period (P26)	1.46	24	13	1	–	8	1	1
# Athelectasis (P28.0-P28.1)	2.06	8	4	–	–	4	–	–
##Other Respiratory Conditions Originating in the Perinatal Period (P23-P28)	0.85	38	14	7	5	9	3	–
##Cardiovascular Disorders Originating in the Perinatal Period (P29)		94	51	3	2	27	9	2
##Infections Specific to the Perinatal Period (P35-P39)	1.02	37	4	8	6	3	8	8
# Neonatal Hemorrhage (P50-P52, P54)	1.44	16	4	3	–	5	2	2
# Necrotizing Enterocolitis of Newborn (P77)	1.23	20	2	6	3	2	4	3
Remainder of Conditions Originating in the Perinatal Period (Rest of P00-P99)		25	7	4	3	7	4	–
# Congenital Malformations, Deformations (Q00-Q99)	0.91	171	47	18	27	27	11	41
Congenital Malformations of Heart (Q20-Q24)	1.00	54	7	12	7	8	3	17
# Sudden Infant Death Syndrome (R95)	1.04	50	–	3	25	–	3	19
All Other Diseases (Rest of A00-R99)		55	–	3	23	1	1	27
##External Causes (V01-Y89)	0.99	36	6	1	14	2	1	12

Eligible to be ranked as leading causes nationally and in New York City. See the Special Note.

Contain causes eligible to be ranked as a leading cause nationally but infrequent in New York City; these created groups permit recognition of important causes of infant deaths. See the Special Note.

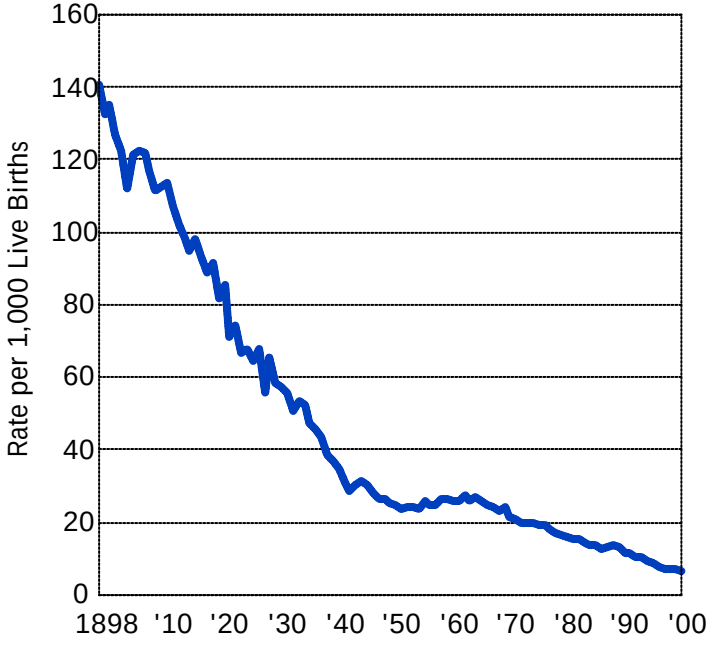


Figure 9. Infant Mortality Rate

New York City, 1898 - 2000

New York City took its present form in 1898 when its boundaries were extended to include all five boroughs: Manhattan, Bronx, Brooklyn, Queens and Staten Island. The infant mortality rate at that time is estimated at 136.7 deaths under one year of age per 1,000 live births, (Because of incomplete reporting of early neonatal deaths, this is almost certainly an underestimate.) Improvements in food and water safety in the earlier part of the twentieth century, and in access to medical care advances in recent years, have contributed to the decline to 6.7 deaths per 1,000 live births in 2000, a historic low.

Table 45. Live Births, Infant Deaths and Infant Mortality Rate (IMR) by Mother's Birthplace, New York City, 2000

Birthplace	Live Births	Infant Deaths	IMR
Dominican Republic	8,998	45	5.0
Mexico	6,449	30	4.7
China	4,975	17	3.4
Jamaica	3,856	36	9.3
Guyana	2,627	15	5.7
Ecuador	2,596	9	3.5
Haiti	2,108	29	13.8
Trinidad and Tobago	1,913	12	6.3
India	1,643	9	5.5
Pakistan	1,419	9	6.3
Bangladesh	1,409	3	2.1
Colombia	1,381	2	1.4
Russia	1,054	1	0.9
Israel	1,050	1	1.0
Korea	956	2	2.1
Honduras	907	4	4.4
El Salvador	843	4	4.7
Philippines	829	3	3.6
Poland	679	3	4.4
United Kingdom	638	5	7.8
Nigeria	612	4	6.5
Ghana	580	4	6.9
Ukraine	531	1	1.9
Peru	517	3	5.8
Hong Kong	508	1	2.0
Puerto Rico	2,680	27	10.1
United States	58,861	403	6.8
All Others and Unknown	14,944	157	-
New York City Total	125,563	839	6.7

Table 46.

Live Births, Infant and Maternal Mortality by Mother's Ethnic Group
New York City, 1984-2000

Mother's Ethnic Group (1)	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Live Births, Total	113,332	118,542	122,108	127,386	132,226	137,673	139,630	138,148	136,002	133,583	133,662	131,009	126,901	123,313	124,252	123,739	125,563
Puerto Rican	17,887	17,961	18,138	18,625	18,822	19,248	19,327	18,851	17,856	16,568	15,182	13,895	12,925	12,947	13,056	12,184	11,615
Other Hispanic	15,228	15,758	16,689	19,372	20,145	23,013	24,912	25,564	25,556	26,571	28,298	29,717	28,114	26,108	26,793	27,887	28,695
Asian and Pacific Islander	9,127	9,553	9,894	10,926	11,597	12,051	12,394	12,602	12,688	10,742	11,268	11,647	12,782	13,226	13,132	13,768	15,106
Other White	35,405	36,825	37,465	37,558	38,992	39,362	38,906	37,464	37,102	38,403	38,203	36,711	37,215	37,006	36,957	36,369	36,752
Other Black	35,212	37,616	39,064	40,020	41,356	43,069	42,844	41,486	40,662	39,768	39,195	37,217	34,798	33,500	33,675	32,960	32,879
Other & Unknown	473	829	858	885	1,314	930	1,247	2,181	2,138	1,531	1,516	1,822	1,067	526	639	571	516
Infant Deaths (Under I Year) (2) Total	1,540	1,591	1,566	1,673	1,770	1,827	1,620	1,575	1,390	1,366	1,207	1,155	992	881	843	848	839
Puerto Rican	263	226	240	240	241	257	238	211	194	178	120	146	112	96	85	95	98
Other Hispanic	133	139	156	182	186	219	195	187	170	196	174	197	164	141	129	156	140
Asian and Pacific Islander	76	76	63	65	79	93	67	76	73	61	57	57	56	51	49	55	59
Other White	363	368	323	350	353	321	300	278	227	244	223	204	197	189	201	167	165
Other Black	680	758	751	802	891	911	797	777	676	646	598	522	448	385	363	350	366
Other & Unknown	25	24	33	34	20	26	23	46	50	41	35	29	15	19	16	25	11
Infant Mortality Rate (3) Total	13.6	13.4	12.8	13.1	13.4	13.3	11.6	11.4	10.2	10.2	9.0	8.8	7.8	7.1	6.8	6.9	6.7
Puerto Rican	14.7	12.6	13.2	12.9	12.8	13.4	12.3	11.2	10.9	10.7	7.9	10.5	8.7	7.4	6.5	7.8	8.4
Other Hispanic	8.7	8.8	9.3	9.4	9.2	9.5	7.8	7.3	6.7	7.4	6.1	6.6	5.8	5.4	4.8	5.6	4.9
Asian and Pacific Islander	8.3	8.0	6.4	5.9	6.8	7.7	5.4	6.0	5.8	5.7	5.1	4.9	4.4	3.9	3.7	4.0	3.9
Other White	10.3	10.0	8.6	9.3	9.1	8.2	7.7	7.4	6.1	6.4	5.8	5.6	5.3	5.1	5.4	4.6	4.5
Other Black	19.3	20.2	19.2	20.0	21.5	21.2	18.6	18.7	16.6	16.2	15.3	14.0	12.9	11.5	10.8	10.6	11.1
Neonatal Deaths (Under 28 Days) Total	1,014	1,082	1,078	1,139	1,232	1,253	1,091	1,089	941	917	804	811	656	605	593	606	583
Puerto Rican	165	141	157	157	159	172	155	138	138	108	67	113	72	60	60	74	59
Other Hispanic	97	100	117	134	133	153	136	136	120	136	122	143	113	107	92	113	94
Asian and Pacific Islander	53	45	47	42	59	60	44	45	50	38	42	44	35	37	34	39	45
Other White	267	268	254	251	264	238	222	201	157	177	158	146	139	130	139	120	119
Other Black	414	513	481	535	602	610	518	533	436	425	389	342	283	257	252	236	257
Neonatal Mortality Rate (3) Total	8.9	9.1	8.8	8.9	9.3	9.1	7.8	7.9	6.9	6.9	6.0	6.2	5.2	4.9	4.8	4.9	4.6
Puerto Rican	9.2	7.9	8.7	8.4	8.4	8.9	8.0	7.3	7.7	6.5	4.4	8.1	5.6	4.6	4.6	6.1	5.1
Other Hispanic	6.4	6.3	7.0	6.9	6.6	6.6	5.5	5.3	4.7	5.1	4.3	4.8	4.0	4.1	3.4	4.1	3.3
Asian and Pacific Islander	5.8	4.7	4.8	3.8	5.1	5.0	3.6	3.6	3.9	3.5	3.7	3.8	2.7	2.8	2.6	2.8	3.0
Other White	7.5	7.3	6.8	6.7	6.8	6.0	5.7	5.4	4.2	4.6	4.1	4.0	3.7	3.5	3.8	3.3	3.2
Other Black	11.8	13.6	12.3	13.4	14.6	14.2	12.1	12.8	10.7	10.7	9.9	9.2	8.1	7.7	7.5	7.2	7.8
Maternal Causes, Total *	21	30	29	28	26	29	35	24	30	20	29	26	22	17	16	24	30
Puerto Rican	1	1	4	2	2	4	1	4	2	2	4	3	1	1	1	1	–
Other Hispanic	3	6	–	4	6	2	4	2	3	2	5	7	4	2	2	3	7
Asian and Pacific Islander	–	1	2	6	1	1	1	–	1	–	2	1	1	1	1	1	1
Other White	4	3	6	3	2	2	2	2	6	–	6	–	4	2	2	6	2
Other Black	13	15	14	8	15	20	25	15	16	14	12	14	11	11	10	12	20
Maternal Mortality Rate (4) Total	18.5	25.3	23.7	22.0	19.7	21.1	25.1	17.4	22.1	15.0	21.7	19.8	17.3	13.8	12.9	19.4	23.9
Puerto Rican	5.6	5.6	22.1	10.7	10.6	20.8	5.2	21.2	11.2	12.1	26.3	21.6	7.7	7.7	7.7	8.2	–
Other Hispanic	19.7	38.1	–	20.6	29.8	8.7	16.1	7.8	11.7	7.5	17.7	23.6	14.2	7.7	7.5	10.8	24.4
Asian and Pacific Islander	–	10.5	20.2	54.9	8.6	8.3	8.1	–	7.9	–	17.7	8.6	7.8	7.6	7.6	7.3	6.6
Other White	11.3	8.1	16.0	8.0	5.1	5.1	5.1	5.3	16.2	–	15.7	–	10.7	5.4	5.4	16.5	5.4
Other Black	36.9	39.9	35.8	20.0	36.3	46.4	58.4	36.2	39.3	35.2	30.6	37.6	31.6	32.8	29.7	36.4	60.8

* Includes deaths while pregnant or within 42 days of termination. In 1999, two deaths occurring more than 42 days after termination of pregnancy were incorrectly included in the table. See the Technical Notes.

(1) Puerto Rican and other Hispanic ethnicities are based on ancestry, regardless of race. Prior to 1993, Asian ethnicity is based on ancestry; beginning in 1993, Asian ethnicity is based on race. Those of other ancestries are classified as Other White, Other Black, Other and Unknown based on race. See Technical Notes for a discussion of race, ancestry and ethnicity.

(2) In the absence of a matching birth certificate for an infant death, the information on the death certificate is used to assign a maternal ethnic group. The assignment for the years 1992-1996 was corrected in 1997, resulting in infant mortality rates for other whites and other blacks slightly higher than those published previously, and in fewer infant deaths with mother's ethnic group unknown.

(3) Rate per 1,000 live births.

(4) Rate per 100,000 live births, changed from previous annual Summaries.

Table 47. Cases of Reportable Diseases, New York City, 1940-1999

Year	Tuberculosis	Measles	Rubella	Poliomyelitis	Pertussis	Meningococcal Meningitis	Scarlet Fever	Encephalitis	Hepatitis A	Hepatitis B	Syphilis Total	Syphilis Primary & Secondary	Gonorrhea
1940	9,005	10,496	988	67	5,775	48	13,569	28			30,178	3,113	14,639
1941-1945	8,608	24,890	7,360	658	5,706	705	8,111	42			25,773	4,124	13,955
1946-1950	7,862	17,348	2,442	991	2,574	145	3,579	55			24,144	2,686	21,522
1951-1955	7,002	20,025	3,956	741	1,726	135	2,253	256			22,046	685	12,468
1956-1960	5,472	18,170	3,893	114	966	73	2,125	197			15,124	1,242	13,270
1961	4,360	4,796	1,543	2	249	69	2,820	216			20,017	3,374	18,285
1962	4,437	29,631	1,560	7	307	59	1,259	175			20,058	3,329	18,901
1963	4,891	7,406	3,294	1	212	50	1,287	147			19,312	3,481	22,912
1964	4,207	15,435	21,292	2	304	42	1,052	158			18,875	3,215	25,896
1965	4,242	4,127	1,031	0	194	68	792	162			16,999	2,897	29,032
1966	3,663	8,381	1,036	0	206	56	799	146	Accurate diagnosis of		13,724	2,364	29,679
1967	3,542	529	1,030	1	179	65	731	61	Hepatitis A & B based		13,918	1,987	27,373
1968	3,224	2,445	3,074	1	122	90	732	61	on laboratory testing		13,204	2,172	32,637
1969	2,951	5,033	1,185	0	149	88	891	57	became available in		11,439	2,630	36,729
1970	2,590	1,154	685	0	163	90	513	35	1977. Clinically		10,362	3,780	36,783
1971	2,572	3,819	626	0	55	60	614	19	defined cases of		11,642	3,854	38,472
1972	2,275	447	271	1	79	44	445	11	Hepatitis reported		10,390	4,106	48,414
1973	2,101	965	502	0	77	37	708	26	earlier appear in the		7,334	3,256	45,467
1974	2,022	651	173	0	75	26	402	17	annual summaries		7,593	3,184	42,071
1975	2,151	170	193	0	40	32	463	14	for 1998 and earlier.		7,236	2,864	39,981
1976	2,151	497	163	1	43	51	609	20			6,832	2,494	40,589
1977	1,605	804	336	0	47	64	583	20	566	670	4,749	1,881	39,302
1978	1,307	405	152	0	54	88	271	30	499	493	5,567	2,060	40,208
1979	1,530	859	290	1	44	91	312	17	386	488	6,680	2,552	40,034
1980	1,514	1,210	105	0	30	110	319	15	364	562	5,906	2,387	43,699
1981	1,582	108	55	0	25	91	464	20	606	879	6,878	2,568	45,859
1982	1,594	49	36	2	53	104	583	21	689	1,117	7,296	2,602	46,960
1983	1,651	72	87	1	61	89	454	14	507	1,327	6,822	2,473	46,117
1984	1,629	113	111	0	20	75	427	9	560	1,528	6,796	2,285	48,032
1985	1,843	181	184	1	26	70	409	18	N.A.	N.A.	6,947	2,157	58,532
1986	2,223	944	2	0	10	81	N.A.	21	N.A.	N.A.	6,465	2,111	69,998
1987	2,197	449	3	0	15	57	206	8	172	1,213	10,472	4,452	84,022
1988	2,317	57	7	0	11	66	81	6	368	1,307	11,966	5,042	52,404
1989	2,545	135	16	0	19	50	108	9	502	1,418	13,748	4,362	40,533
1990	3,520	1,108	4	0	21	79	175	12	791	674	16,195	4,265	35,236
1991	3,673	1,909	2	0	22	30	325	5	1,283	440	14,895	3,133	28,945
1992	3,811	68	0	0	24	28	258	9	883	439	13,439	2,246	21,709
1993	3,235	19	22	0	116	40	267	5	1,028	472	10,476	1,129	18,477
1994	2,995	15	1	0	223	40	335	11	942	544	7,640	626	19,246
1995	2,445	5	6	0	36	54	211	8	1,008	494	7,577	362	16,361
1996	2,053	12	5	0	62	56	164	4	619	495	5,670	138	12,998
1997	1,730	13	25	0	42 *	57	218	14	920	460	4,889	97	14,556
1998	1,988	0	17	0	12 *	35	527	14	575	415	4,503	82	12,100
1999	1,460	3	6	0	7	59	310	142	412	302	3,682	130	12,207
2000	1,332	13	8	0	11	46	349	178	539	566	2,661	117	11,669

Note: Figures for single years from 1941 to 1955 appear in the annual summaries for 1995 and earlier.
For discussion of specific diseases and factors which affect reporting, see City Health Information, Vol. 20 No. 1, March 2001, pp. 13-16.
Chicken Pox is non-reportable as of December 11, 1994. Figures for the disease appear in the annual summaries for 1998 and earlier.
* Corrected from previous year summaries.
Source of data: Offices of Infectious Diseases and Vaccine-Preventable Diseases, New York City Department of Health.

Table 48. Incidence of AIDS By Sex, Major Risk Group, and Year of Diagnosis, New York City, 1980-2000

Sex/Risk Group	1980-1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Male														
Intravenous Drug Use (IDU)	4,152	2,119	2,240	2,725	3,167	3,923	4,617	4,089	3,443	2,535	1,776	1,204	1,026	637
Sex with Men	8,174	2,611	2,647	2,647	2,868	3,220	3,596	3,401	2,798	1,950	1,374	1,023	927	679
IDU and Sex with Men	789	233	258	234	314	312	279	194	162	115	94	60	70	32
Transfusion	109	49	28	34	29	30	37	55	56	43	32	30	11	16
Heterosexual Transmission	23	21	30	35	66	119	232	334	405	387	344	292	243	223
Other	659	321	357	379	515	643	768	1,066	1532	1,577	1,316	949	974	1,662
Total	13,906	5,354	5,560	6,054	6,959	8,247	9,529	9,139	8,396	6,607	4,936	3,558	3,251	3,249
Female														
Intravenous Drug Use	1,190	666	759	978	1,255	1,491	1,740	1,562	1,383	1,030	775	533	423	250
Heterosexual Transmission	456	255	320	431	532	708	1,044	1,051	1,030	847	719	516	437	276
Transfusion	73	23	17	19	12	24	22	23	35	43	32	26	15	18
Other	346	144	187	217	247	330	357	454	628	674	676	532	541	882
Total	2,065	1,088	1,283	1,645	2,046	2,553	3,163	3,090	3,076	2,594	2,202	1,607	1,416	1,426

Note: To be classified as having AIDS, an HIV-infected person must meet CDC case-surveillance criteria. These include the presence of opportunistic illness and CD4+ lymphocyte count below 200. For further information telephone the Office of AIDS Surveillance, (212) 442-3388.
Figures include reports through June 2001; data for recent years are incomplete due to reporting lag.
Source of data: Office of AIDS Surveillance, New York City Department of Health.

Reports and Notes Section

Special Report: World Trade Center Disaster Deaths

Preliminary Data: World Trade Center Disaster Deaths

This special report presents preliminary data on the deaths caused by the World Trade Center disaster on the morning of September 11, 2001. This section also contains a description of the role of the Vital Statistics office in responding to the disaster.

The data presented are preliminary and tentative. This report is based on 2,617 death certificates filed with the Office of Vital Records through January 25, 2002, four and a half months after the event. These represent more than 90% of the total number of WTC deaths, based on current estimates. Data are subject to change as death certificates are corrected and amended. Most of the death certificates have been issued as a result of a court order in the absence of a body. If remains are found the death certificate is amended to reflect the new information. A more complete presentation of the data will be contained in the 2001 Annual Summary.

Demographic information on a decedent is provided by the funeral director, if one was involved, or directly by the family through an affidavit if no remains were recovered. The manner of death for all the reported deaths is homicide; death certificates for the airplane hijackers would be classified as suicides when they are prepared by the Medical Examiner.

The figure and tables below present data on selected demographic and other characteristics of the decedents. Figure WTC1 shows that the majority of decedents were young men, with the modal age 35-39 years. Table WTC1 shows that over 40% of the decedents lived in New York City, another 20% lived elsewhere in New York State, and about 35% lived in other sections of the United States. Over 25% were residents of New Jersey, as shown in Table WTC3. Table WTC2, Deaths by Ethnic Group, shows that over 60% of the decedents were non-Hispanic white males, and another 15% non-Hispanic white females. Table WTC4 presents the birthplace of the decedents (limited to six or more occurrences); while only 1% were residents of foreign countries, 20% were born abroad. Over 98% of those killed were at work at the time, seen in Table WTC5. Finally, Table WTC6 shows that virtually all of the deaths occurred at the time of the attack and only nine occurred later than September 11, 2001.

Figure WTC1. Age and Sex of Decedents
(Preliminary data, reported by January 25, 2002)

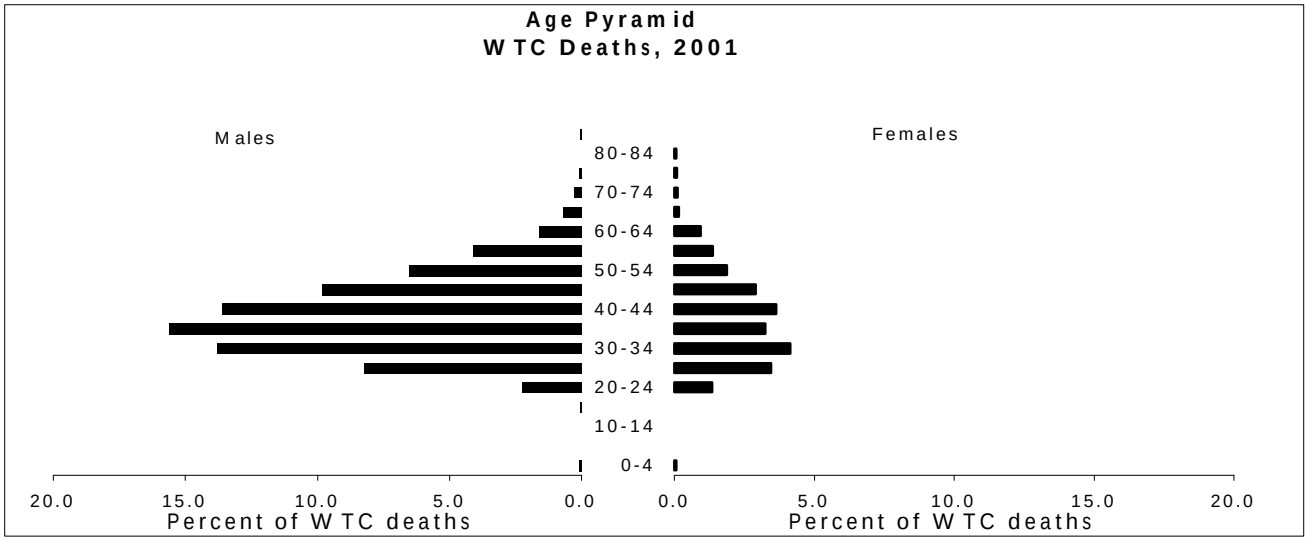


Table WTC1. Deaths by United States Residence
(Preliminary data, reported by January 25, 2002)

Residence	Number
New York City	1,127
Manhattan	330
Bronx	89
Brooklyn	283
Queens	242
Staten Island	183
New York State Outside of New York City	560
United States Outside of New York State	905
Foreign Country	25
Total	2,617

Table WTC2. Deaths by Ethnic Group of Decedents
(Preliminary data, reported by January 25, 2002)

	Number		
Ethnic Group	Male	Female	All
Hispanic	166	81	247
Non-Hispanic, White	1,593	394	1,987
Non-Hispanic, Black	128	79	207
Asian and Pacific Islander	112	53	165
Other	-	2	2
Unknown	9	-	9
Total	2,008	609	2,617

Table WTC3. Deaths by State of Residence
(Preliminary data, reported by January 25, 2002)

State	Number
Arizona	1
California	27
Colorado	1
Connecticut	61
Florida	2
Georgia	4
Illinois	7
Indiana	1
Louisiana	1
Maine	3
Maryland	3
Massachusetts	81
Michigan	1
Missouri	1
New Hampshire	8
New Jersey	662
New Mexico	1
New York	1,687
Ohio	1
Pennsylvania	27
Rhode Island	5
Tennessee	1
Texas	2
Utah	1
Virginia	3
Foreign Country	25
Total	2,617

Table WTC4. Deaths by Birthplace
(Preliminary data, reported by January 25, 2002)

Birthplace	Number
United States	2,106
United Kingdom	53
India	34
Dominican Republic	25
Jamaica	21
Japan	20
China	18
Colombia	18
Canada	16
Germany	16
Philippines	16
Trinidad and Tobago	15
Guyana	14
Ecuador	13
Italy	13
Ukraine	11
Korea	9
Poland	8
Russia	8
Haiti	7
Ireland	7
Pakistan	7
Taiwan	7
Cuba	6
Yugoslavia	6
All Other Places	143
Total	2,617

Table WTC5. Deaths at Work
(Preliminary data, reported by January 25, 2002)

Death at Work	Number
Yes	2,552
No	61
Unknown	4
Total	2,617

Table WTC6. Deaths by Date of Death
(Preliminary data, reported by January 25, 2002)

Date of Death	Number
September 11, 2001	2,608
September 15, 2001	2
September 16, 2001	1
September 30, 2001	1
October 09, 2001	1
October 14, 2001	1
October 22, 2001	1
October 26, 2001	1
October 30, 2001	1
Total	2,617

THE WORLD TRADE CENTER DISASTER: THE ROLE OF THE VITAL STATISTICS OFFICE

New York City is an independent vital registration jurisdiction; its vital statistics and vital records functions are the same as those of a state. These activities are concentrated in the Department of Health's headquarters building in lower Manhattan, ten blocks from the World Trade Center (WTC) site.

When the World Trade Center was attacked on September 11, 2001 all normal work stopped and the Health Department's building was immediately evacuated. The building's lobby was pressed into service as a walk-in treatment and triage center. All non-essential vehicular traffic was banned from the area and the Health Department became part of a restricted-access "frozen zone" that lasted for over three months. By the end of the day all telephone service and computer communications in the building had been severed due to destruction of a major portion of a telephone company central switching office.

The effect of the disaster on the Offices of Vital Records and Vital Statistics was profound. Offices were evacuated, all telephone service was cut off (and much of it still not restored five months later), connections to computer systems terminated, and workload increased directly as a result of the disaster. The lessons learned in New York City will, we hope, be helpful to others in their preparation and, if necessary, response to disasters.

NORMAL OPERATIONS

On a normal day the Office of Vital Records serves over 700 walk-in customers, most needing certified copies of birth certificates. One hundred more customers walk in to correct or amend birth and death records. Hospitals and birthing institutions deliver newborn birth certificates and diskettes for filing with the Birth Registration Unit, as well as spontaneous and induced termination of pregnancy certificates. Funeral directors come from all over the City to file death certificates and burial-cremation-transportation permits, and pay for and receive certified copies of death certificates. The Death Registration Unit-—the Burial Desk—operates 24 hours a day, seven days a week to serve families' needs through their funeral directors.

Vital Records has a large back-office customer service operation. Among other functions, it processes 500 pieces of mail every day, most of which are requests for birth certificates. Its credit card unit processes over 500 requests for certified copies of birth certificates a day received by operators, a 24-hour automated telephone form filler system, fax and through the Internet. Many customers request overnight delivery for an additional fee.

The Office of Vital Statistics is responsible for public health reporting and analysis of vital statistics data. The information received and recorded by Vital Records is the foundation for epidemiological studies and statistical analyses of birth and death trends for the Department and other governmental agencies. Its Production Unit processes over 300,000 vital records annually so that they may be automated for retrieval and analysis.

EMERGENCY RESPONSE

Burial Desk Operations - Within six hours of the attack Vital Records relocated its death registration operation seven miles north to the Department's Central Harlem Health Center. By 4:00 p.m. on September 11, the Burial Desk resumed 24-hour-a-day operations and was able to issue burial permits and certified death certificates for all New York City deaths, including deaths directly related to the disaster. The Burial Desk remained at its emergency location for two and one-half months, until most traffic restrictions were removed and its telephone and fax service were restored.

Birth Registration - Hospitals and birthing institutions register births by delivering original paper birth certificates and diskettes to the Department. When the Health Department building closed, hospitals could not register the 2,500 births that occur every week. Vital Records contacted its staff by telephone and arranged to reoccupy the building on September 17, long before any other program. Hospitals were notified by broadcast fax on Sunday that the Department would be open to receive and process newborn certificates on Monday, September 17.

Newborn Birth Certificates - Vital Records mails a certified copy of a newborn birth certificate at no charge to all new mothers within days of registration. On Monday, September 17, all newborn certificates that had been left unfinished, as well as all other mail that was ready, was metered and driven to the city's main post office. Vital Records continued to deliver mail directly to the main post office for several weeks, as local post offices were closed and service in the area had been suspended.

Telephone Service - Telephone, fax, computer and Internet connections were all destroyed by the disaster. After the first week Vital Records had only twelve phone lines restored out of 150; all were new phone numbers. The automated Vital Records telephone system that normally processes 50,000 calls a month was down. Customers calling any of the office's phone numbers heard only ringing, as it was not possible to place a recording on any of the lines. The main phone number for the automated system was not restored until the end of December.

Customer Service - Mail operations resumed on September 17. However, very little mail was received, probably due to reduced mail service and decreased customer demand. Internet ordering was restored, preceding telephone and fax ordering by several weeks. Walk-in service resumed October 1, when computer mainframe communications were functioning reliably.

Key-entry and Statistical Functions - Key-entry of death certificates resumed September 17. However, use of the data for analysis and death certificate retrieval was not possible until October 3, when the system's connection to the mainframe computer in Brooklyn was restored.

Presumptive WTC Death Certificates - By September 25, working in conjunction with the Law Department, the Office of Chief Medical Examiner and the Office of Court Administration, the Department developed and implemented procedures for issuing a death certificate in the absence of a body and provided expedited death certificate services to families. Through December 31 Vital Records had mailed more than 2,100 certified death certificates to the next-of-kin of disaster victims within 24 hours of receipt from the Medical Examiner.

Computer-generated WTC Death Certificates - The Office of Chief Medical Examiner, in collaboration with Vital Statistics, developed and implemented a computer system for collecting data on all disaster deaths. The system was developed within days of the WTC disaster and, in addition to printing a form image of a death certificate ready for signing, captures all other medical examiner case information.

Fraud Prevention - Disasters present opportunities for fraud. Risks include identity theft and fraudulent applications for benefits. On October 23 Vital Records began mailing copies of death certificates to states of birth and residence through the Interstate Transcript Exchange Program. This is done to prevent the fraudulent issuance of birth certificates of decedents. The Office also began sharing fact-of-death information with the regional Social Security Office to prevent fraudulent issuance of death benefits and provided information to the Police Department.

Special Note on Cause-of-Death Coding and the Tenth Revision of the International Classification of Diseases (ICD-10)

The International Classification of Diseases (ICD) is the framework on which the collection, classification, processing and reporting of mortality data depends, in the United States and internationally. It is developed in a collaboration between the World Health Organization (WHO) and ten international centers, one of which is housed at National Center for Health Statistics(NCHS), to promote international comparability in the presentation of mortality statistics. The United States is required to use the ICD under an agreement with the force of a treaty. ICD-10 was implemented by all United States jurisdictions, including New York City, for coding all deaths that occurred on or after January 1, 1999. It is substantially different from ICD-9 and will have a major impact on mortality analyses. Note that the classification system used for morbidity, ICD-9CM, has not yet been updated. Special attention should be paid to ICD-10 information throughout this publication in tables, footnotes, the Technical Notes and in the Highlights.

Background - The first ICD was issued in 1900. It has been revised about every ten years since then, except for the twenty-year interval since ICD-9 was first used, in 1979. The periodic revisions are needed to reflect advances in medicine and the understanding of disease, changes in terminology, and expansion in the uses to which the data are put. The ICD contains not only the detailed codes for classifying causes of mortality and morbidity, but the rules used for identifying the underlying cause of death, the single condition on the death certificate considered most informative from the point of view of public health. The ICD contains chapters covering diseases, other natural conditions which may cause death (such as pregnancy or congenital malformations) and external causes of death, as well as sections on injuries and other consequences of external events not used in underlying cause of death coding, and a section on health status and contact with health services. Definitions of vital events, tabulation lists for the presentation of data, and the format of the cause of death section of the death certificate are all parts of the ICD.

ICD-10 contains twice as many categories for cause of death, 8,000 compared to 4,000, as ICD-9. The form of the codes has changed to alphanumeric from numeric while some names have changed, and conditions regrouped. Examples of these changes as they appear in mortality tables in this Vital Statistics Summary are given below. Changes in some coding rules, while transparent to the general reader, also result in disruptions of time series, and difficulty in interpreting mortality trends.

Comparability Ratios - To assist the public health community in understanding discontinuities in mortality data, NCHS is conducting a major study of all United States resident deaths for 1996 - 2.3 million deaths are being double-coded, by both ICD-9 and ICD-10. From the two sets of codes a comparability ratio is produced by dividing the number of deaths for a selected cause classified under ICD-10 by the number of deaths classified to the most nearly comparable cause of death under ICD-9. The resulting ratio represents the net effect of the revision on the counts for this cause and can be used to explain changes in numbers or rates. However, ICD-10 does establish a new baseline which is expected to remain for several decades.

Preliminary comparability ratios, based on double coding 1.8 million records, are available and are shown in Table 4, Deaths by Cause by Decedent's Borough of Residence and Sex, and Comparability Ratio. See the discussion of tabulation lists below. A comparability ratio of 1.00 indicates that the same number of deaths was coded to a particular cause by both ICD-9 and ICD-10. However, these were not necessarily the same deaths, as several changes in procedure may have compensated for each other. Ratios that depart from 1.00 can be due to changes in the organization and level of detail between ICD-9 and ICD-10, reorganization of categories, or changes in coding rules. The preliminary comparability ratios shown in Table 3 should be interpreted cautiously for several reasons: the NCHS study is not complete; these are national data and New York City findings may differ to some extent; and the New York City Vital Statistics Summary may not have presented exactly the same cause of death groups under ICD-9 as NCHS did. NCHS hopes to have all data coded and final comparability ratios available in 2002. Then, construction and analysis of New York City comparability ratios will be possible.

Some points about these preliminary comparability ratios can be made, however:

- For the two largest cause groups, malignant neoplasms and major cardiovascular diseases as well as for most of their listed components, the comparability ratios are very close to 1.00.
- The ratios for the three major categories of external causes, accidents, suicides and homicides, are close to 1.00.
- The comparability ratio for influenza and pneumonia of 0.70 is by far the lowest. The ratio indicates that the number of deaths coded to influenza and pneumonia under ICD-10 is only 70% as great as the number under ICD-9. In 1998, there were 2,680 deaths in New York City attributed to pneumonia and influenza (note the name change): application of the comparability ratio leads to a prediction of about 1,900 deaths in 1999, rather than the 2,474 actually reported. (There were between 2,500 and 2,700 deaths from pneumonia and influenza annually from 1994 through 1998, and 3,079 in 1993). In 2000, 2,267 deaths due to influenza and pneumonia were reported, still higher than that predicted. This change has implications for public health in that the classification of a sentinel public health event has changed so dramatically. When the final comparability data are received, detailed analysis of the change will be possible.
- The comparability ratio for asthma, a disease which has been the focus of a citywide initiative, is 0.89. There has been a gradual increase in asthma deaths from 1980. Two hundred and fifty deaths were reported in 1998 and 244 in 1999. The comparability ratio would predict 223 deaths, slightly lower than the number found. In 2000, the number declined to 213.
- Several causes have comparability ratios of 0.85 or less; i.e., the number of deaths assigned is 15% or more below what would have been assigned under ICD-9: tuberculosis, 0.85; hypertensive heart disease, 0.80; congenital malformations, deformities and chromosomal abnormalities, 0.85. Among the external causes, motor vehicles accidents, at 0.85, and falls, at 0.84, declined.
- Three causes and one component have preliminary comparability ratios of 1.15 or more; i.e., there is an increase of 15% or more under ICD-10 compared to ICD-9: septicemia, 1.19; Alzheimer's disease, 1.55; nephritis, nephrotic syndrome and nephrosis, 1.23, and its component, renal failure, 1.29.

Tabulation Lists and Leading Causes of Death - An important part of ICD is several tabulation lists used to present United States mortality data in international comparisons. These tabulation lists were developed to meet three general criteria: to be compatible with WHO requirements; to maintain continuity with past listings; and to meet United States medical and public health needs. In particular, NCHS will use a list of 113 Selected Causes of Death for general reports and designates 71 of these as eligible for ranking as leading causes of death. Under ICD-9, the list of selected causes contained 72 causes or groups, and 50 eligible to be ranked. The New York City list of causes in Table 4 is now longer; there are more causes eligible to be ranked as leading causes for particular demographic groups, and these are shown more clearly in the table. Several addition and clarifications of rankable causes were made in 2000, to increase comparability with national figures published for 1999.

A separate NCHS list of 130 Selected Causes of Infant Deaths to be used for decedents under one year of age has been adopted in Table 42, Infant Deaths by Race and Cause by Sex and Age, of the Vital Statistics Summary. Causes eligible to be ranked as leading causes are noted as well.
Detailed discussions of tables containing mortality data follow.

Table 4 - Deaths by Cause by Decedent's Borough of Residence and Sex and Comparability Ratio - This table contains more than 60 of NCHS's 113 selected causes: many of the NCHS causes do not typically occur in the United States, such as malaria, and others have been very infrequent in recent decades, such as appendicitis. Pneumocystosis and Kaposi's sarcoma were added to the New York City List in 1984 as markers for the then-emerging HIV epidemic, but have been dropped from the selected causes list as they are no longer necessary. Diseases newly listed, in addition to more malignant neoplasm sites and cardiovascular disease, include Parkinson's disease and alcoholic liver disease. Chronic lower respiratory diseases replaces chronic obstructive pulmonary diseases and allied conditions, mainly by the removal of extrinsic allergic alveolitis. Breast cancer no longer has separate codes for males and females. Among external causes, several additional categories are shown separately, so that all deaths appear; the new categories include legal intervention, complications of medical and surgical care, and operations of war and their sequelae. The special category injury by firearms now includes legal intervention deaths. Further discussion of external causes appears below. Table 4 contains 33 causes eligible to be ranked as leading causes, compared to the NCHS set of 50 causes. The causes omitted are those noted above, which are uncommon causes of death or rare occurrences.

Two cause groups in Table 4 are not among the NCHS 113 selected causes and not eligible for selection as leading causes nationally: use of alcohol and use of psychoactive substances. They are of public health importance in New York City, and have been included in our tables for decades. The cause mental and behavioral disorders due to use of alcohol includes several diseases which were not included in the alcohol dependence syndrome of ICD-9: alcoholic psychoses and non-dependent abuse of alcohol. Similarly, the cause mental and behavioral disorders due to psychoactive substance use excluding alcohol and tobacco, includes drug psychoses and non-dependent abuse of psychoactive drugs, in addition to drug dependence.

The category of deaths due to pregnancy, childbirth and the puerperium (the 42 days following termination of the pregnancy) has been expanded to include deaths due to obstetric causes occurring after the puerperal period. This will encourage better reporting and improve public health surveillance and planning. These later deaths, how ever, are not included in the World Health Organization definition of maternal mortality.

Table 5, Leading Causes of Death in Specified Age Groups by Sex and Table 6 Leading Causes of Death in Specified Ethnic Groups by Sex - The causes eligible for ranking for all ages are shown in Table 4; the causes for infants are shown in Table 44.

Table 7, Deaths and Death Rates by Health Center District of Residence and Table 8, Deaths and Death Rates by Community District of Residence - To interpret changes in rates of causes of death overtime, reference should be made to the preliminary comparability ratios in Table 4.

Tables 14, 15, 16, 17, 18, 19, Deaths due to external causes by age and sex – Among accidents, shown in Table 14, the classification of place of accident, which included home and public place, was unreliable and is no longer provided. Transport deaths involving more than one mode are assigned to the first mode listed in the table. Table 18, complications of medical and surgical care, is new. Table 19, Deaths due to firearms regardless of manner, is new. Sequelae are conditions causing death which originated with an injury one year or more earlier, and are also called late effects.

Table 25, Deaths and Crude Death Rates - The ICD-10 codes used in 1999 have replaced the ICD-9 codes.

Table 44, Infant Deaths by Race and Cause by Sex and Age - The causes included here are based on the NCHS list of 130 Selected Causes of Infant Death, and 71 causes eligible to be ranked as leading causes of infant death. Only those causes which appear with some frequency in New York City, or are of particular interest here, are included. Other respiratory conditions originating in the perinatal period is not eligible for national ranking but occur often enough here. A single cause containing a number of infectious diseases was created because no single disease occurs very often. Similarly, all external causes are grouped into one in the New York City list. The cause cardiovascular disorders originating in the perinatal period is included in a residual category by NCHS and not eligible to be ranked, but it occurs often enough in New York City to be ranked.

Rates and Ratios Defined

The numerators of the rates in these tables are events occurring in New York City and reported during the year, unless otherwise specified.The denominator is the resident population figure from the 1990 census, including all ages and both sexes, unless otherwise specified.

Live Birth Rate - The number of live births per 1,000 population.

$$\frac{\text{Live Births}}{\text{Population}} \times 1{,}000$$

Marriage Rate - The number of marriages per 1,000 population.

$$\frac{\text{Marriages}}{\text{Population}} \times 1{,}000$$

Infant Mortality Rate - The number of infant (under one year of age) deaths per 1,000 live births.

Neonatal Mortality Rate - The number of neonatal (under 28 days) deaths per 1,000 live births.

Post Neonatal Mortality Rate - The number of post-neonatal (28 days to under one year of age) deaths per 1,000 live births.

$$\frac{\text{Infant Deaths}}{\text{Live Births}} \times 1{,}000$$

Fetal Death Ratio - The number of fetal deaths of 28 weeks gestation and over per 1,000 live births.

$$\frac{\text{Fetal deaths 28 weeks and over}}{\text{Live Births}} \times 1{,}000$$

Perinatal Mortality Ratio - The number of fetal deaths of 28 weeks gestation and over plus the number of early neonatal (under seven days) deaths per 1,000 fetal deaths of 28 weeks gestation and over plus live births.

$$\frac{(\text{Fetal deaths 28 weeks and over} + \text{Infant deaths under 7 days})}{\text{Fetal deaths 28 weeks and over} + \text{Live Births}} \times 1{,}000$$

Death Rate, all causes - The number of deaths per 1,000 population.

$$\frac{\text{Deaths all causes}}{\text{Population}} \times 1{,}000$$

Death Rate, specified causes - The number of deaths due to a specified cause per 100,000 population.

Death Rate, age and sex specific - The number of deaths of persons of specified age and sex per 1,000 population of the specified age and sex.

Death Rate, age, sex and race adjusted - The number of deaths per 100,000 standard population. Age, sex and race specific death rates are applied to a standard population, eliminating the effect of differences in population composition, and allowing comparisons over time or between geographic areas.

Maternal Mortality Ratio - The number of deaths due to complicaitons of pregnancy, childbirth and the puerperium occurring within 42 days of delivery per 10,000 live births.

VITAL EVENTS - Vital event data reported here are based on occurrences in New York City to both residents and non-residents. Tables that include a geographic breakdown for residents show non-resident and residence-unknown data separately. Where there is no geographic breakdown, all New York City occurrences are included. Counts of births, deaths and induced and spontaneous terminations of pregnancy are based on certificates filed with the Office of Vital Records, New York City Department of Health. Birth certificates are created, printed and filed using the Electronic Birth Certificate (EBC) system. The number of induced and spontaneous terminations of pregnancy reported each year depends to some extent on the level of active surveillance by the Office of Vital Statistics. Some events from earlier years filed too late for inclusion in the year of occurrence are included in each year's annual statistical reports.

- The number of marriages shown in Table 1 and in Table A is the number of marriage licenses issued by the City Clerk. Tables 22, 23, and 24 also use outside data sources; see Life Expectancy below.
- For public health purposes, the demographic and medical information on the certificates is coded in general agreement with standards developed by the National Center for Health Statistics (NCHS). In some instances, such as ancestry of decedent or mother, New York City data are more detailed.
- Because New York City law prohibits recording mother's marital status on the birth certificate, it is calculated using other items. (See Mother's Marital Status below.)

POPULATION - Population data in the 2000 and subsequent issues of the Vital Statistics Summary are, for the most part, based on data provided by the New York City Department of City Planning (DCP) from the U. S. census enumeration as of April 1, 2000. Population counts for the city, its boroughs, Health Center Districts, and Community Districts are updated to 2000.

In Table 1, the population figures for census years 1960, 1970, 1980, 1990, and 2000 are census counts; for intercensal counts through 1989, straight-line interpolations are used, while the interpolation from 1990 to 2000 uses an exponential formula which assumes that the growth rate was the same through the decade: pop(t1)/pop(t0) = e^rt (where r is a constant growth rate and t is the interval).

The 2000 census data will be used to prepare

life expectancy tables and age-specific and age-adjusted death rates; as noted below, these calculations use three years of pericensal mortality data, and so will not be constructed until the 2001 mortality figures are complete.

LIFE EXPECTANCY, AGE SPECIFIC AND ADJUSTED DEATH RATES - Life expectancy tables summarize the effect of mortality rates prevailing at a specific time on persons being born or living at that time. Tables may be computed for population subgroups, most often males and females and race groups. The components required are counts and mortality figures for the desired subgroups. Life expectancy tables are presented for census years, when accurate population data are available. The mortality experience for the census year and for the year before and the year after is used to smooth statistical variation.

- The same two sets of data, population and mortality, are used to prepare average yearly age-sex-specific death rates for the three years (Table 23). Finally, the mortality data are separated into cause groups, and used to calculate average yearly age-sex-race adjusted death rates (Table 24). Adjustment allows comparisons between rates to be made over time or between geographic areas by eliminating the effects of differences in the composition of the populations.
- A change in the data used for the 1980 and 1990 calculations is noted in Tables 23 and 24 by a line separating these rates from those for earlier years. The calculations for 1980 and 1990 used information on all deaths occurring to New York City residents regardless of place of occurrence (obtained from the New York State Department of Health), whereas previous computations used all deaths occurring in New York City regardless of residence of the decedent. The new data were also used to compute 1980 life expectancy tables to facilitate comparisons with 1990 figures.

RACE, ANCESTRY, ETHNIC GROUP, AND BIRTHPLACE - Race in the 2000 Census - The 2000 census permitted respondents to describe themselves and household members as being of more than one race, selecting from six race categories: white, black, American Indian and Alaska native, Asian, Native Hawaiian and Other Pacific Islander, and some other race. These categories yield 63 possible combinations. Respondents were also asked if they were of Hispanic origin. The resulting responses could be organized into 64 groups, referred to by the DCP as "mutually exclusive race/Hispanic

categories." DCP combined categories into a set of seven: Hispanic origin, non-Hispanic White, non-Hispanic Black, non-Hispanic Asian or Pacific Islander, non-Hispanic American Indian and Alaska Native, non-Hispanic of some other race, and non-Hispanic of two or more races. These categories are equivalent to the vital statistics variable ethnicity(see below), except for the group of two or more races. (Vital statistics data currently collect only a single race.) In Table 2, population data are presented using DCP terminology, "mutually exclusive race and Hispanic origin" with the last three categories combined; the death data presented in Table 3 use the term ethnicity.

Race and Ethnicity in Vital Statistics - Race and ancestry are separate items on the certificates, reported usually by a parent on the birth certificate, and by a relative of the decedent or by the funeral director on the death certificate. Responses are coded in general conformance to rules of NCHS.

- In 1992, five additional codes for Asian and Pacific Islander races were added, following their introduction by NCHS: Asian Indian, Guamanian, Korean, Samoan and Vietnamese. Codes already in use included Chinese, Filipino, Hawaiian, Japanese and other.
- The ordered selection rules for ethnic group first assign Puerto Rican or other Hispanic ethnicities based on ancestry, regardless of race. Then, those of other ancestries are classified by race as Asian, other white, other black, other or unknown.
- In certain instances, the item birthplace is used to remove ambiguity in the race item.
- Persons whose race is black and whose ancestry is American are classified as being of African-American ancestry.
- Ancestry is defined by NCHS as the nationality, lineage, or country where the subject's ancestors were born before their arrival in the United States; if a religious group is reported, NCHS instructions are to ask for the country of origin or nationality. In New York City, enough certificates with ancestry reported as Jewish or Hebrew are received to warrant inclusion in these tables, notwithstanding the religious meaning of the terms. An increase in 1999 of about 2,000 in the number of mothers reporting Hebrew or Jewish ancestry resulted from quality assurance discussions with several hospitals which included clarification of the meaning of ancestry. These hospitals replaced the general term American with individual information provided by the patients.
- As the city's immigrant population has increased in recent years, so has interest in

birthplace as a demographic variable. Tables on birthplace of decedents and of mothers have been added in 2000.

CAUSE OF DEATH - Cause of death information presented is the underlying cause of death on each certificate, selected using rules issued by NCHS and codes of ICD-10, implemented January 1, 1999. Earlier revisions and the year their codes were implemented are the Fifth, 1939; Sixth, 1949; Seventh, 1959; Eighth, 1969; and Ninth, 1979. Long term trends in causes of death should be interpreted with caution because of possible changes in causes and groupings with each revision. See the special note on ICD-10 for a fuller discussion.

HIV and AIDS Mortality - In ICD-10, deaths due to HIV disease are not divided into AIDS deaths

and deaths due to other HIV infections, but are characterized by the resulting disease or condition. HIV deaths (ICD-10 codes B20-B24) are shown in Tables 4, 5, 6, 7, 8, 20, and 21, and Figure 6.

- From1983 through 1986, AIDS and other HIV deaths were assigned code 279.1. In 1987, NCHS introduced code 042 for AIDS and 043-044 for other HIV deaths, and they were reported this way in Table 3 through 1998. Table 25 contains only AIDS deaths.
- A fuller discussion of the history of HIV coding can be found in the 1997 and 1998 Vital Statistics Summaries.
- The incidence data in Table 48 are provided by the New York City AIDS Surveillance Registry. Their active surveillance system identifies persons diagnosed with AIDS, a reportable disease in New York State.

Deaths Due to Drug Abuse - In both ICD-9 and ICD-10, there are two groups of codes that can be used for drug deaths, depending on the information on the death certificate: natural cause codes and external cause codes (overdoses are considered poisoning). The natural cause group in ICD-10, mental and behavioral disorders due to psychoactive substance use excluding alcohol and tobacco (F11-F16, F18-F19) includes psychoses due to drug use and non-dependent drug use, two causes not included in the Vital Statistics Summary reports using ICD-9. Deaths due to alcohol are reported separately; deaths due to tobacco are not reported separately. The poisoning codes for psychoactive substances excluding alcohol and tobacco in ICD-10 (X40-X42, X44) are substantially the same as in ICD-9.

- Revised procedures at the Office of Chief Medical Examiner in 1989 led to a substantial portion of deaths related to drug use being classified as accidental drug poisonings. In prior years, virtually all such deaths were classified as due to drug dependence. New categories were added to various tables to maintain comparability with previously published vital statistics and are continued today. The poisoning codes are added to the natural cause codes in Tables 4, 5, 6, 7, 8, 21 and 25.
- A category of deaths due to accidents without the drug poisoning deaths is used for ranking leading causes and appears in Table 5 and 6. A fuller discussion of the history of drug death coding appears in the Vital Statistics Summaries of 1989 through 1998.

Maternal Death and Maternal Mortality - In ICD-10, the chapter Pregnancy, childbirth and the puerperium (codes O00-O99) includes codes for deaths occurring more than 42 days after the termination of the pregnancy, which did not exist in ICD-9. However, the definition of "maternal mortality" by the World Health Organization does not include these later deaths: included are deaths of a woman while pregnant or within 42 days of termination of pregnancy ... from any cause related to or aggravated by the pregnancy or its management ..." This includes ICD-10 codes O00-O95, O98-O99 and A34, obstetrical tetanus. Note also that the denominator of the maternal mortality rate is live births. In this Vital Statistics Summary for 2000, new lines are inserted in Table 4 and Table 25 to clarify the difference. In Table 4, Deaths by Cause, all deaths due to pregnancy, childbirth and the puerperium are shown (and are rankable) followed by the smaller group of "maternal" deaths. In Table 25, Deaths and Crude Death Rates ...1901-2000, the historical data are correctly relabelled "maternal causes" and a new category, pregnancy, childbirth and the puerperium, is shown beginning in 1999, with ICD-10. In Table 46, Live Births, ... 1984-2000, the difference between the two categories is noted in a footnote, and an error for the 1999 data is corrected. In Table 5, Leading Causes by age, the larger, rankable, cause group appears for age 25-34 in this 2000 Summary.

External Causes of Death - External causes of death include accidents, intentional self-harm (suicide), assault (homicide), legal intervention, events of undetermined intent, operations of war and their sequelae, and complications of medical and surgical care. Beginning in 1999, these causes are shown separately in Table 4.

- Some homicides are considered justifiable and are reported as such by the New York City Police Department under the Uniform Crime Reporting System of the Federal Bureau of Investigation.

- Legal intervention as a cause of death is defined in ICD-10 as including injuries inflicted by police or other law-enforcing agents ... in the course of arresting or attempting to arrest ... and other legal action.
- Complications of medical and surgical care was included with accidents in ICD-9 and is now shown separately.
- All death certificates for external causes are reported by the Office of Chief Medical Examiner. Deaths for which a cause has not been determined by the time the statistical file is closed are shown separately as pending final determination in Table 4; some of these pending deaths will be determined to be due to natural causes. The number has declined since 1989.
- The number of deaths classified as events of undetermined intent has declined since 1989, but they should be considered in analysis of deaths due to external causes.
- The site of accidents, home and public place, has been dropped because the reporting was not reliable.

Fatal Occupational Injuries - The Census of Fatal Occupational Injuries, which provides the data in Table 11, is carried out according to a protocol developed by the Bureau of Labor Statistics (BLS) of the U.S. Department of Labor. Autopsy and other reports for deaths due to external causes (see above) are reviewed if the injury occurred at work. Definitions and terminology are those of BLS, which may differ from those generally used in vital statistics. In 2000, a new race/ethnicity variable was introduced.

Infant Mortality - The infant mortality rate consists of the number of infant deaths in New York City in a specified year divided by the number of live births in the city in the same year; some infants in the numerator were born in the preceding year, and some in the denominator will die in the following year. The same definition applies to geographic subdivisions included in some tables.

- In this summary, all characteristics of infant deaths are drawn from the death certificate except in Table 46, which uses the ethnic group of the mother from the child's birth certificate. In Tables 42 and 43, birth weight is based on the birth certificate.
- The number of deaths in white, black and other race subgroups in Table 42 is higher than in the past because of better reporting of race on the infant death certificates. In 2000, 22 infants are of unknown race, about 3% of the total of 839, compared to 126 out of 848 in 1999, about 15% of the total. The mortality rates for these groups, shown in Table 43, are also higher, from 10% to over 55%. The increase in known race is also seen in Table 44, tabulated by sex and age at death. Comparisons between infant death subgroups involving birth weight, age at death and sex in 2000 and in earlier years should be made with caution.

BOROUGH OF RESIDENCE - Borough of residence and other geographic classifications are based on the usual residence reported in the certificate. Since 1985, assignment to geographic areas below borough, such as health center district and community district, is made though the Geosupport Program, developed and maintained by the DCP.

PLACE OF DEATH - In reporting Place of Death in Table 9, the term hospital includes residential units, hospices and other special facilities within the hospital. Nursing home includes only sites licensed as Extended Care Facilities by the State of New York. Home refers to the decedents residence, and includes private houses and apartments, group quarters for special populations, homes for adults, and other long-term residential sites.

PLACE OF BIRTH - Reporting of home births in Tables 32 and 33 was corrected in 1996 to

include events where the certificate was filed through a hospital. For 1995, the number of home births was 762, not 249 as previously reported.

MOTHER'S MARITAL STATUS - New York City is prohibited by local law from recording mother's marital status on the record or report of birth. For purposes of statistical analysis and reporting, it was computed from other information on the birth certificate by coders using an algorithm developed by NCHS, and more recently an algorithm adapted to EBC. In 1996, a review of the results led to the conclusion that the number of non-marital births was being overestimated. A new method was implemented by an EBC change in 1997.

! The new method uses only the presence or absence of a father's name on the birth certificate and the filing of an acknowledgment of paternity to estimate marital status; a comparison of the surname of the parents was dropped. The new procedure is consistent with that used by New York State.

! More than 91,000 records of 1997 birth certificates were coded using both methods. The overall change in the proportion of unmarried mothers was a decline of 19.2 percent, from 53.2 percent to 43.0 percent. The decline was greater among older women, and varied by ethnic group and type of hospital of delivery as well. These differences contributed to a range of changes across health center districts.

! A complete discussion may be found in the Special Note on Mother's Marital Status in the 1997 Vital Statistics Summary. This characteristic of live births should be analyzed cautiously.

INDUCED TERMINATIONS OF PREGNANCY - Induced Terminations of Pregnancy generally require active surveillance and follow-up to insure complete reporting. As a result, some events from earlier years are included in each year's Vital Statistics Summary. In 1997, one facility was found to have failed to submit reports for over 11,000 1996 procedures. These reports, and about 500 from several other facilities, were reported in revised tables for 1996 pregnancy outcomes in the 1997 Vital Statistics Summary. A discussion of the revised tables and the corrected data for all pregnancy outcomes can be found in the Technical Notes, 1997.

COMMUNITY DISTRICTS -- Community districts were established by City Charter in 1969 for the delivery of city services. Population figures for these districts are compiled by the DCP from census data.

! There are 59 community districts, referred to by their borough and sequence number, compared to 30 health center districts, which have neighborhood names. The number of districts in each system by borough is shown below.

Borough	HCD	CD
Manhattan	7	12
Bronx	6	12
Brooklyn	10	18
Queens	6	14
Staten Island	1	3

There is no translation from one system to the other.

! In establishing population figures for community districts, census totals for counties are kept as borough totals, while the district figures are compiled from census tract and census block data. Borough boundaries are not always followed, so the sum of the community district populations in each borough does not equal the borough population or the city-wide population.

! The numbers of births and deaths to Manhattan and Bronx residents differ between health center district tables and community district tables because the northernmost Manhattan neighborhood of Marble Hill is in Manhattan under the health center district organization and in the Bronx under the community district system. The population-based rates may change as well. For example, in 2000, 43 deaths were reassigned from Manhattan to the Bronx, as seen in Table 7 and Table 8: the Manhattan death rate for all causes changed from 7.2 per 1,000 population to 7.1, while the rate for the Bronx did not change with the addition of the 43 deaths. Rates for the selected causes may change as well. For 2000 births, 101 events were reassigned, as shown in Table 34 and Table 36: the Manhattan birth rate declined from 13.0 to 12.9 per 1,000 population, while the Bronx rate remained the same at 16.2. Four births to teenagers were reassigned from Manhattan to the Bronx, seen in Tables 39 and 41; the Manhattan percent of live births to teens declined from 7.7 to 7.6, and the Bronx percentage stayed at 13.8.

! The population of Riker's Island, site of New York City Department of Correction facilities, is in the Bronx for health center district purposes and in Queens in the community district system. The small number of vital events to residents have been assigned to Queens in both systems.

! A description of the construction of community district geography will be found in Department of City Planning, Demographic Profiles, DCP # 92-32-Revised, pp. 293-297.

Figure 10. Health Center Districts and Boroughs, New York City

Figure 11. Community Districts and Boroughs, New York City

HIGHLIGHTS, 2000 (Continued)

The infant mortality rate reached an historic low of 6.7 infant (under one year of age) deaths per 1,000 live births. This is a decline of more than 40% since 1990, when the rate was 11.6 per 1,000 live births. If the 1990 rate had occurred in 2000, more than 1,450 infants would have died before their first birthday, rather than the 839 who did die in 2000. Improved reporting of race for infant deaths in 2000 has resulted in higher mortality rates for racial subgroups, requiring caution in interpreting differences and trends. See the Technical Notes for a detailed discussion.

Deaths - The lowest number of deaths ever recorded in New York City occurred in 2000: 60,839. This was a decline of 2.6% from the 1999 number of 62,470. The decline in male deaths was somewhat smaller than in female deaths, 2.1% compared to 3.1%. The number of deaths declined in all age groups under 20 and over 54. The number of decedents age 50 and over declined 2.7%, compared to an increase from 1998 to 1999 of 3.2% in this age group.

The ten leading causes of death among all age groups remained the same in 2000 as in 1999, and the top three retained their order: diseases of heart, malignant neoplasms, and influenza and pneumonia. The other causes among the leading ten in 2000 were HIV disease, cerebrovascular diseases, diabetes mellitus, chronic lower respiratory diseases, accidents except poisoning by psychoactive substance, use of or poisoning by psychoactive substance, and nephritis, nephrotic syndrome and nephrosis.

There were real changes from 1999 to 2000 (that is, not the result of the earlier change from ICD-9 to ICD-10) in some less frequent causes which are of interest: deaths from Alzheimer's disease increased 60%, and deaths from asthma decreased 13%.

The number of deaths due to HIV disease resumed a generally downward trend, except that the number of deaths among Hispanic men increased 12% and among non-Hispanic black women increased 6%.

2000 Census - The 2000 census, conducted as of April 1, 2000, enumerated 8,008,278 residents of New York City, a record high. In addition to providing new and more accurate counts of New Yorkers, the census, for the first time, collected multiple race data from respondents. See the Technical Notes for a detailed discussion.

Y2K - Toward the end of 1999 there was speculation in the press that there would be a surge in births at the beginning of 2000, popularly known as Y2K, because parents would want their infants to be born in the New Millennium. The data presented in this and previous Vital Statistics Summaries, births by month of occurrence, do not bear out this prediction. The 1.4% increase in births from 1999 to 2000 is the largest increase since 1990, and there were more births in eight out of twelve months of 2000 compared to 1999. These gains did not occur, however, because deliveries were delayed from November and December 1999 to January and February 2000. Looking at the comparable five-month periods October 1998 through February 1999 and October 1999 through February 2000, there were similar declines from October to November, increases from November to December, declines from December to January, and declines from January to February.

There were similar predictions about deaths - a desire to survive into the new century, especially among those close to being 100 years old, would lead to a decline in deaths in December 1999. Looking at the five-month periods October 1998 through February 1999 and October 1999 through February 2000, similar patterns are found. Deaths increased from October to November, again to December and January, and fell in February.

The number of marriages, the vital event most under individual control, did increase 5.8% from 1999 to 2000, but is still at the low levels not seen since the late 1970s. There were more marriage licenses issued in ten of the months in 2000 than in the corresponding month of 1999, but January was the least favored month in both years.

New Tables and Table Numbers - The 2000 Vital Statistics Summary contains several new tables, while some older tables have been re-named. Almost all tables have new numbers. The general order of tables has been maintained, with the mortality data appearing first, followed by the natality tables. The Special Note on Cause-of-Death Coding and ICD-10 is repeated from 1999 to assist users in reading the death data. New tables are shown below.

Table 12 Deaths by decedent birthplace and borough of residence;
Table 13 Deaths by decedent birthplace and age;
Table 19 Deaths due to external causes - firearms;
Table 29 Induced terminations of pregnancy by selected characteristics and age of woman;
Table 31 Live births by mother's ethnic group;
Table 37 Live Births by mother's birthplace and borough of residence;
Table 38 Live Births by mother's birthplace and age;
Table 45 Live Births, infant deaths and infant mortality rates by mother's birthplace.

HIGHLIGHTS, 2000

World Trade Center Disaster - This edition of the Summary contains a special report that presents preliminary data on the deaths caused by the World Trade Center disaster on the morning of September 11, 2001. The section also contains a description of the role of the Vital Statistics office in responding to the disaster.

International Classification of Diseases, Tenth Revision (ICD-10) - The 1999 issue of the Vital Statistics Summary introduced major changes in the coding, naming and reporting of causes of death. These changes followed the nationwide implementation on January 1, 1999 of the Tenth Revision of the International Classification of Diseases, the worldwide system used to classify causes of death. The previous revision, which introduced relatively few changes, was in 1979.

Throughout the mortality tables are new codes (alphanumeric, compared to numeric-only codes in the past); new names for disease entities (HIV disease, compared to HIV infection, for example); new diseases included in tables and some dropped; and changes in the designation of leading causes of death, especially for infants.

The National Center for Health Statistics (NCHS), which coordinates vital statistics reporting in the United States, is conducting a comparability study of ICD-9 and ICD-10 that will permit the evaluation of changes in death rates by cause; preliminary comparability ratios from this study, unchanged from the 1999 Annual summary, are shown in Table 4, Deaths by Cause and in Table 44, Infant Deaths by Cause.

One effect of the new system will be discontinuities in trends of causes of death and the need to take this into account when analyzing short-term changes. A fuller discussion of ICD-10 can be found in the Special Note on pp. 41-42 and in the Technical Notes.

West Nile Virus - In 2000 there were 14 diagnosed cases and one death in the city caused by West Nile Virus (WNV). It caused six cases and one death in New Jersey and one case in Connecticut. West Nile is a mosquito-borne virus not seen in the Western Hemisphere before 1999, when it caused 62 identified cases and four deaths to city residents. Active surveillance for WNV, which began in the late summer of 1999, is conducted at all 70 hospitals in the city. An extensive surveillance and control program, including public outreach, was implemented to identify and reduce mosquito breeding sites.

Late or No Prenatal Care - Late or no prenatal care reported in this Summary shows a marked decline from 10.7% in 1999 to 6.3%. As with the prenatal care data in the 1999 Vital Statistics Summary, this change should be interpreted with caution. In 1999, there was a marked increase in the percent of reports of late or no prenatal care, following a steady decline from 1990 to 1998. The level in 2000, 6.3%, is consistent with that observed in 1998, 6.2%. An increase in 1997 in the percent of records with unknown date of entry into prenatal care was also noted, following the introduction of Electronic Birth Certificate reporting in all birthing sites. This increased slightly in 1998 but is now declining. The 1999 increase in no prenatal care was attributed to quality assurance visits to hospitals, which encouraged the reporting of actual level of care, including no care, rather than responses of unknown care history. Some quality assurance activities continued in 2000 but at a level lower than in 1999.

Births and Infant Deaths - The number of live births registered in 2000 increased 1.4% to 125,563 from 123,739 in 1999, but has been essentially stable since 1996. The number of births to teenagers continues to decline in both numbers, to 10,800, and as a percentage of all live births, to 8.6%. This decline mirrors national trends.

Continued inside back cover

The City of New York

DEPARTMENT OF HEALTH
Office of Vital Statistics

Michael R. Bloomberg, Mayor
Thomas R. Frieden, M.D., M.P.H. Commissioner of Health

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