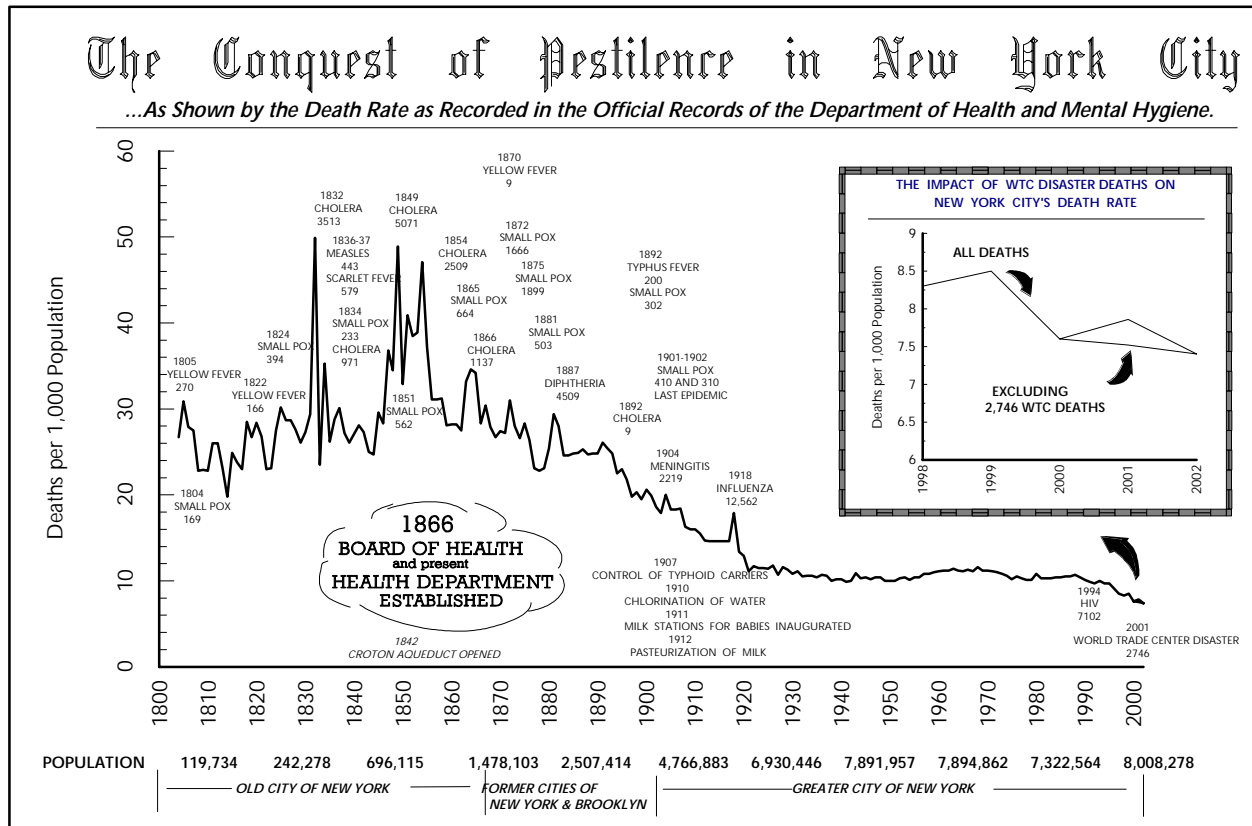


SUMMARY OF VITAL STATISTICS 2002

THE CITY OF NEW YORK



Michael R. Bloomberg, Mayor

Thomas R. Frieden, M.D., M.P.H. Commissioner

Kelly Henning, M.D., Director, Division of Epidemiology

SUMMARY OF VITAL STATISTICS 2002 THE CITY OF NEW YORK

Bureau of Vital Statistics
New York City Department of Health and Mental Hygiene

Steven Schwartz, Ph.D., Registrar and Assistant Commissioner

Wenhui Li, Ph.D., Research Scientist



DECEMBER 2003

This report was prepared by the Statistical Analysis and Reporting Unit of the Bureau of Vital Statistics: Wenhui Li, PhD, Darlene Kelley, and Joseph Kennedy. The data are derived from vital event certificates filed with and processed by the staff of the Offices of Vital Records and Vital Statistics.

This publication is available at www.nyc.gov/health.

CONTENTS

	PAGE
Table 1	Population, births, marriages, deaths, and infant mortality, 1898-2002. 4
Table 2	Population by age, mutually exclusive race and Hispanic origin, and sex, 2000. 5
Table 3	Deaths by age, ethnic group, and sex, 2002 5
Table 4	Deaths by cause by decedent's borough of residence and sex, and comparability ratio, 2002. 6,7
Table 5	Leading causes of death in specified age groups by sex, 2002. 8,9
Table 5a	Leading causes of death by sex, age < 65, 2002. 10
Table 6	Leading causes of death in specified ethnic groups by sex, 2002. 11
Table 6a	Leading causes of death in specified ethnic groups by sex, age < 65, 2002. 12
Table 7	Deaths and death rates per 100,000 population from selected causes by health center district of residence, 2002. 13
Table 8	Deaths and death rates per 100,000 population from selected causes by community district of residence, 2002. 14,15
Table 9	Deaths by place of death, 1992-2002. 16
Table 10	Deaths by decedent ancestry and borough of residence, 2002. 16
Table 11	Selected characteristics of deaths due to fatal occupational injuries, 2002 16
Table 12	Deaths by decedent birthplace and borough of residence, 2002 17
Table 13	Deaths by decedent birthplace and age, 2002 17
Table 14	Deaths from accidents by age and sex, 2002. 18
Table 15	Deaths from intentional self-harm (suicide) by age and sex, 2002. 18
Table 16	Deaths from assault (homicide) and legal intervention by age and sex, 2002. 19
Table 17	Deaths from events of undetermined intent by age and sex, 2002. 19
Table 18	Deaths from complications of medical and surgical care by age and sex, 2002. 19
Table 19	Deaths from firearms by age and sex, 2002. 19
Table 20	Deaths from HIV disease by sex, age, and ethnic group, 1983-2002. 20,21
Table 21	Characteristics of decedents with selected causes of death, 2002. 22
Table 22	Life expectancy at specified ages by sex and ethnic group, 1990 and 2000 22
Table 23	Average yearly age-sex-specific death rates, 1909-2001. 23
Table 24	Average yearly age-sex-race adjusted death rates for selected causes per 100,000 population, 1901-2001. 23
Table 25	Deaths and crude death rates from selected causes, 1901-2002. 26,27
Table 26	Live births, spontaneous and induced terminations of pregnancy by borough of residence and age of woman, 2002 30
Table 27	Spontaneous terminations of pregnancy by gestation and age of woman, 2002. 30
Table 28	Live births, spontaneous terminations of 28 weeks gestation and over and induced terminations of pregnancy by boroughs of residence and occurrence, 2002. 31
Table 29	Induced terminations of pregnancy by selected characteristics and age of woman, 2002. 31
Table 29a	Induced terminations of pregnancy by woman's marital status, age, and ethnic group, 1993-2002. 32
Table 30	Live births by ancestry of mother and borough of residence, 2002. 33
Table 31	Live births by mother's ethnic group and age, 2002. 33
Table 32	Selected characteristics of live births and spontaneous terminations of pregnancy 28 weeks gestation and over by age of mother, 2002 34
Table 33	Selected characteristics of live births and spontaneous terminations of pregnancy 28 weeks gestation and over by mother's ethnic group, 2002. 35
Table 34	Live births by selected characteristics and infant deaths by health center district of residence, 2002 36
Table 35	Live births by selected characteristics and mother's ancestry, 2002. 36
Table 36	Live births by selected characteristics and infant deaths by community district of residence, 2002 38
Table 37	Live births by mother's birthplace and borough of residence, 2002. 39
Table 38	Live births by mother's birthplace and age of mother, 2002. 39
Table 39	Live births to teenagers by selected characteristics and infant deaths by health center district of residence, 2002 40
Table 40	Live births to teenagers by selected characteristics, 1989-2002. 40
Table 41	Live births to teenagers by selected characteristics and infant deaths by community district of residence, 2002 41
Table 42	Live births and infant deaths by birth weight, ethnic group, and age, 2002. 42
Table 43	Infant mortality rates by birth weight, ethnic group, and age, 2002. 42
Table 44	Infant deaths by ethnic group and cause by sex and age, 2002. 43
Table 45	Live births, infant deaths and infant mortality rate by mother's birthplace, 2002. 43
Table 46	Live births, infant and maternal mortality by mother's ethnic group, 1986-2002. 44
Table 47	Cases of reportable diseases, 1940-2002. 45
Table 48	Incidence of AIDS by sex, major risk group and year of diagnosis, 1980-2002. 45
Table 49	Marriages, births, deaths, and infant deaths by month and average per day, 2002 46
Table 50	Most popular baby names by sex, selected years 46
Table 51	Most popular baby names by sex and mother's ethnic group, 2002 46
Table 52	Live births by borough and institution, 2002 47
Figure 1	Number of deaths from selected causes, age < 65, 1983-2002 10
Figure 2	Age composition of the population, 1900-2000 24

Figure 3	Age-sex composition of the population, 2000	24
Figure 4	Changes in life expectancy at selected ages by sex, 1990 and 2000, New York City and the United States	24
Figure 5	Number of deaths from selected natural causes, 1983-2002	25
Figure 6	Number of deaths from selected external causes, 1983-2002	25
Figure 7	Deaths by ethnic group of decedents, 1983-2002	28
Figure 8	Deaths due to HIV disease by sex and selected ethnic group, 1983-2002	28
Figure 9	Live births, induced terminations and spontaneous terminations of pregnancy by age of woman, 2002	29
Figure 10	Infant, neonatal and post-neonatal mortality rates, 1985-2002	29
Figure 11	Number of live births, induced terminations, and spontaneous terminations, 1983-2002	32
Figure 12	Live births by mother's ethnic group, 1983-2002	37
Figure 13	Percent of live births with specified characteristics, 1983-2002	37
Figure 14	Infant mortality rate, 1898 to 2002	48
Figure 15	Map of health center districts and boroughs	59
Figure 16	Map of community districts and boroughs	60
Special Section	World Trade Center deaths	49-54
Table WTC1	Age and sex of decedents	50
Table WTC2	Deaths by date of death	50
Table WTC3	Marital status of decedents	50
Table WTC4	Residence of decedents	50
Table WTC5	Deaths by ethnic group, education, and sex	51
Table WTC6	Deaths by birthplace	51
Table WTC7	Deaths at work	51
Table WTC8	Occupation of decedents	52
Table WTC9	Deaths by selected industries	52
Table WTC10	Impact of WTC deaths on 2000 life expectancy in New York City	53
Table WTC11	Methods used to identify WTC victims	54
Table WTC12	Status of identification of WTC victims	54
Figure WTC1	Age and sex of decedents	49
Figure WTC2	Number of births by week, 2000-2002	53
Rates and Ratios Defined		48
Technical Notes		55-58
Highlights		Back cover

Table 1.

Population, Births, Marriages, Deaths and Infant Mortality, New York City, 1898-2002

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
2001*	8,008,278	124,023	15.5	72,587	9.1	62,964	7.9	760	6.1
2001	8,008,278	Excluding World Trade Center disaster deaths				60,218	7.5		
2002	8,008,278	122,937	15.4	65,490	8.2	59,651	7.4	742	6.0

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.

* Total number of reported deaths is preliminary due to incomplete reporting of World Trade Center (WTC) disaster deaths. As of October 31, 2003, 2,746 deaths from WTC disaster were reported. See Special Section for detailed statistics on WTC deaths.

Table 2.

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

Age in Years	All			Hispanic		Non-Hispanic White		Non-Hispanic Black		Asian and Pacific Islander		Other and Multiple Race	
	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	1,384,891	1,502,111	904,816	1,121,403	413,047	414,616	50,736	56,104
Under 5	540,878	276,635	264,243	95,028	90,573	72,985	68,047	76,410	74,654	26,725	25,581	5,487	5,388
5-9	561,115	286,155	274,960	99,841	96,898	67,588	63,971	87,009	84,481	26,586	24,838	5,131	4,772
10-14	530,816	270,582	260,234	89,896	87,438	66,604	62,278	84,318	83,045	25,489	23,213	4,275	4,260
15-19	520,641	265,285	255,356	90,054	84,147	67,382	64,290	77,513	78,428	26,464	24,558	3,872	3,933
20-24	589,831	285,353	304,478	96,127	93,644	87,961	94,620	65,333	77,463	32,007	34,210	3,925	4,541
25-29	680,659	326,702	353,957	95,571	97,089	122,701	125,458	62,984	81,905	41,252	44,569	4,194	4,936
30-34	687,362	335,119	352,243	94,088	97,065	126,622	118,382	69,053	90,255	41,044	41,712	4,312	4,829
35-39	660,901	322,637	338,264	86,337	93,124	116,770	105,830	74,466	95,971	40,682	38,615	4,382	4,724
40-44	602,379	289,976	312,403	71,434	80,800	107,852	104,259	68,410	87,851	38,453	35,481	3,827	4,012
45-49	531,118	250,093	281,025	57,413	68,753	101,196	103,681	56,832	74,803	31,479	30,362	3,173	3,426
50-54	481,267	220,318	260,949	48,018	59,416	96,701	106,023	47,999	66,775	25,164	25,857	2,436	2,878
55-59	369,105	165,458	203,647	36,296	45,401	73,219	82,917	37,823	55,828	16,452	17,348	1,668	2,153
60-64	314,349	139,938	174,411	29,447	37,816	63,718	73,686	31,355	46,423	14,066	14,694	1,352	1,792
65-69	259,167	112,153	147,014	20,654	29,878	56,596	67,870	23,357	36,272	10,594	11,762	952	1,232
70-74	235,627	95,920	139,707	14,091	23,371	55,977	74,744	17,835	31,454	7,265	8,988	752	1,150
75-79	193,221	73,139	120,082	8,604	16,386	46,324	71,723	12,702	24,846	5,007	6,181	502	946
80-84	128,139	44,146	83,993	4,588	9,805	29,946	53,911	6,770	16,043	2,561	3,657	281	577
85 & Over	121,703	34,595	87,108	3,227	8,236	24,749	60,421	4,647	14,906	1,757	2,990	215	555

* These population figures replace those published in the 2001 Summary of Vital Statistics, and are based on the Census Bureau's modification of its data correcting the reporting on race items. The major effects are a reduction of 65% in the total for Other and Multiple Race and increases of 3%, 3%, and 6% for Non-Hispanic White, Non-Hispanic Black, and Asian and Pacific Islander, respectively. There were no modifications for age and sex. See Technical Notes.

Table 3.

Deaths by Age, Ethnic Group, and Sex, New York City, 2002

Age in Years	All			Hispanic		Non-Hispanic White		Non-Hispanic Black		Asian and Pacific Islander		Other and Unknown	
	Total	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
All Ages	59,651	28,748	30,903	4,398	3,849	15,239	17,601	7,213	8,038	1,364	1,063	534	352
Under 5	847	466	381	84	78	146	137	192	131	17	23	27	12
5-9	84	50	34	6	8	19	10	23	12	2	4	-	-
10-14	94	60	34	15	6	16	9	23	16	6	3	-	-
15-19	228	159	69	32	17	52	20	68	25	4	5	3	2
20-24	419	310	109	73	28	90	21	125	48	16	10	6	2
25-29	503	343	160	83	33	107	54	136	62	15	6	2	5
30-34	709	459	250	126	59	143	65	161	114	23	10	6	2
35-39	1,275	807	468	196	104	262	123	290	220	43	15	16	6
40-44	1,669	999	670	255	132	328	200	356	306	39	22	21	10
45-49	2,356	1,460	896	287	181	594	292	470	382	67	30	42	11
50-54	2,874	1,720	1,154	341	190	694	441	567	448	76	55	42	20
55-59	3,270	1,921	1,349	424	227	776	550	596	493	91	61	34	18
60-64	3,749	2,235	1,514	428	292	934	590	693	548	125	62	55	22
65-69	4,543	2,550	1,993	477	355	1,161	851	694	668	161	89	57	30
70-74	5,830	3,162	2,668	479	398	1,732	1,354	731	775	164	115	56	26
75-79	7,307	3,641	3,666	423	438	2,181	2,129	801	913	178	146	58	40
80-84	7,834	3,390	4,444	313	480	2,236	2,829	642	990	148	102	51	43
85 & Over	16,044	5,005	11,039	356	823	3,765	7,925	644	1,887	189	305	51	99
Unknown	16	11	5	-	-	3	1	1	-	-	-	7	4
Mean Age	71.0	66.8	74.9	60.3	68.2	71.7	79.3	60.8	69.0	66.3	71.0	61.7	69.9
Median Age	76	71	80	63	72	76	83	64	73	69	75	66	76

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, 2002**

Cause (Codes from International Classification of Diseases, Tenth Revision, 1999)	Total	BOROUGH OF RESIDENCE							SEX		Preliminary Comparability Ratio
		Manhattan	Bronx	Brooklyn	Queens	Staten Island	Non-Residents	Residence Unknown	Male	Female	
Total Deaths	59,651	10,686	9,383	17,640	14,228	3,514	3,870	330	28,748	30,903	
Natural Causes	57,017	10,250	8,943	16,878	13,646	3,402	3,652	246	26,903	30,114	
1.# Tuberculosis (A16-A19)	30	6	3	14	6	-	-	1	19	11	0.85
Respiratory tuberculosis (A16)	26	4	3	12	6	-	-	1	16	10	0.91
2.# Septicemia (A40-A41)	540	82	111	213	105	6	23	-	240	300	1.19
3.# Viral hepatitis (B15-B19)	374	76	88	93	62	14	40	1	252	122	0.83
4.# Human immunodeficiency virus (HIV) disease (B20-B24)	1,712	405	454	545	189	49	55	15	1,138	574	1.06
5. All other infective and parasitic diseases (Rest of A01-B99)	147	26	22	45	27	7	19	1	65	82	
West Nile Virus (A83.8, A92.3)	3	-	1	-	1	1	-	-	3	-	
6.# Malignant neoplasms (C00-C97)	13,742	2,730	1,901	3,717	3,010	836	1,515	33	6,783	6,959	1.01
Lip, oral cavity and pharynx (C00-C14)	189	38	31	64	29	5	21	1	127	62	0.96
Esophagus (C15)	303	60	42	65	72	19	43	2	209	94	1.00
Stomach (C16)	502	97	69	146	120	24	45	1	279	223	1.01
Colon, rectum and anus (C18-C21)	1,577	323	235	441	359	90	127	2	796	781	1.00
Liver and intrahepatic bile ducts (C22)	518	106	83	129	115	28	54	3	347	171	0.96
Pancreas (C25)	820	164	112	217	192	44	91	-	364	456	1.00
Larynx (C32)	128	19	29	34	29	11	5	1	101	27	1.00
Trachea, bronchus and lung (C33-C34)	3,121	606	429	856	723	248	249	10	1,708	1,413	0.98
Melanoma of skin (C43)	137	27	15	34	27	5	28	1	67	70	0.97
Breast (C50)	1,227	236	170	343	274	75	128	1	9	1,218	1.01
Cervix uteri (C53)	151	26	22	47	35	4	16	1	-	151	0.99
Corpus uteri and uterus, part unspecified (C54-C55)	239	38	30	74	59	14	24	-	-	239	1.03
Ovary (C56)	400	78	56	99	98	23	45	1	-	400	1.00
Prostate (C61)	866	200	145	234	174	37	73	3	866	-	1.01
Kidney and renal pelvis (C64-C65)	253	40	31	75	53	16	36	2	157	96	1.00
Bladder (C67)	294	66	35	69	64	23	37	-	186	108	1.00
Meninges, brain and other parts of central nervous system (C70-C72)	251	51	20	59	65	18	38	-	131	120	0.97
Lymphoid, hematopoietic and related tissues (C81-C96)	1,439	281	166	357	279	80	274	2	782	657	1.00
Hodgkin's disease (C81)	48	8	4	16	4	2	14	-	32	16	0.99
Non-Hodgkin's lymphoma (C82-C85)	540	101	59	134	119	28	98	1	299	241	0.98
Multiple myeloma and immunoproliferative neoplasms (C88, C90)	297	62	48	76	59	16	36	-	141	156	1.04
Leukemia (C91-C95)	554	110	55	131	97	34	126	1	310	244	1.01
7.# In situ or benign neoplasms and neoplasms of uncertain or unknown behavior (D00-D48)	245	52	31	54	68	9	31	-	118	127	1.67
8.# Anemias (D50-D64)	91	12	22	35	11	4	7	-	37	54	0.96
9.# Diabetes mellitus (E10-E14)	1,704	282	383	506	383	83	56	11	741	963	1.01
10.## Mental and behavioral disorders due to use of alcohol (F10)	298	59	46	82	72	10	11	18	232	66	
11. Mental and behavioral disorders due to use of psychoactive substance excluding alcohol and tobacco (F11-F16, F18-F19)	869	197	174	218	139	42	74	25	651	218	
## 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)	905	201	179	225	152	44	79	25	668	237	
12. Diseases of nervous system (G00-G98)	671	177	104	159	153	34	42	2	290	381	
# Meningitis (G00,G03)	41	3	10	18	6	1	3	-	19	22	1.01
# Parkinson's disease (G20-G21)	108	25	16	24	27	4	12	-	63	45	1.00
# Alzheimer's disease (G30)	230	90	36	34	50	12	7	1	75	155	1.55
13. Major cardiovascular diseases (I00-I78)	27,638	4,310	4,013	8,505	7,660	1,785	1,264	101	12,231	15,407	1.00
# Diseases of heart (I00-I09, I11,I13, I20-I51)	24,519	3,652	3,489	7,607	6,976	1,635	1,070	90	10,882	13,637	0.99
Acute rheumatic fever and chronic rheumatic heart diseases (I00-I09)	57	15	8	16	10	1	7	-	22	35	0.82
Hypertensive heart disease (I11)	1,303	308	317	399	208	20	38	13	615	688	0.80
Hypertensive heart and renal disease (I13)	70	13	14	26	15	2	-	-	28	42	1.07

Continued on next page.

Table 4.

**Deaths by Cause by Decedent's Borough of Residence and Sex, and Comparability Ratio
New York City, 2002 (Continued)**

Cause (Codes from International Classification of Diseases, Tenth Revision, 1999)	Total	BOROUGH OF RESIDENCE							SEX		Preliminary Comparability Ratio
		Manhattan	Bronx	Brooklyn	Queens	Staten Island	Non-Residents	Residence Unknown	Male	Female	
Chronic ischemic heart disease (I20, I25)	16,743	2,202	2,212	5,145	5,255	1,164	703	62	7,379	9,364	1.01
Acute myocardial infarction (I21-I22)	4,561	743	686	1,486	1,096	337	205	8	2,049	2,512	0.99
Cardiomyopathy (I42)	233	53	25	63	67	7	18	—	147	86	
Heart failure (I50)	702	129	107	242	143	49	29	3	264	438	1.04
# Essential hypertension and hypertensive renal disease (I10, I12)	723	141	155	247	116	40	24	—	294	429	1.12
# Cerebrovascular diseases (I60-I69)	1,854	404	296	505	431	86	126	6	783	1,071	1.06
# Atherosclerosis (I70)	179	36	22	48	54	13	5	1	82	97	0.96
# Aortic aneurysm and dissection (I71)	229	37	29	68	56	7	29	3	142	87	1.00
14.# Influenza and pneumonia (J10-J18)	2,508	595	411	774	452	159	103	14	1,086	1,422	0.70
15.# Chronic lower respiratory diseases (J40-J47)	1,702	338	273	455	400	173	62	1	769	933	1.05
Emphysema (J43)	159	36	19	41	38	17	8	—	77	82	0.97
Asthma (J45-J46)	205	51	53	60	25	9	7	—	88	117	0.89
16.# Pneumonitis due to solids and liquids (J69)	41	13	12	10	2	2	2	—	25	16	
17.# Peptic ulcer (K25-K28)	113	23	28	27	28	2	5	—	55	58	0.97
18.# Chronic liver disease and cirrhosis (K70, K73-K74)	540	107	119	153	103	23	32	3	355	185	1.04
Alcoholic liver disease (K70)	345	65	80	92	74	18	13	3	252	93	1.02
Cholelithiasis and other disorders of gallbladder (K80-K82)	51	13	2	14	17	2	3	—	17	34	0.96
20.# Nephritis, nephrotic syndrome and nephrosis (N00-N07, N17-N19, N25-N27)	711	122	121	266	135	36	31	—	362	349	1.23
Renal failure (N17-N19)	698	120	118	264	130	35	31	—	358	340	1.29
21.# Pregnancy, childbirth and the puerperium (O00-O99)	32	2	9	9	5	1	6	—	—	32	
Maternal causes* (A34, O00-O95, O98-O99)	32	2	9	9	5	1	6	—	—	32	
22.# Certain conditions originating in the perinatal period (P00-P96)	432	49	78	159	86	14	45	1	239	193	1.07
23.# Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	271	34	40	82	38	22	54	1	144	127	0.85
24. Symptoms, signs and abnormal findings, not elsewhere classified (R00-R94, R96-R99)	146	32	29	38	38	2	4	3	79	67	
Pending final determination (R99)	3	—	—	1	2	—	—	—	2	1	
25. Sudden infant death syndrome (R95)	24	1	7	9	7	—	—	—	14	10	1.04
26. All other natural causes (Rest of A00-R99)	2,385	507	462	696	450	87	168	15	961	1,424	
External Causes	2,634	436	440	762	582	112	218	84	1,845	789	
Injury by firearms (W32-W34, X72-X74, X93-X95, Y22-Y24, Y35.0)	461	59	113	149	90	13	32	5	418	43	1.00
27.## Accidents (V01-X59, Y85-Y86)	1,216	182	165	336	325	63	113	32	759	457	1.03
Accidental poisoning by psychoactive substances, excluding alcohol and tobacco (X40-X42, X44)	36	4	5	7	13	2	5	—	17	19	
Motor vehicle accidents	414	43	53	116	110	29	48	15	293	121	0.85
Accidental falls (W00-W19)	453	80	65	124	128	13	35	8	247	206	0.84
28.# Intentional self-harm (suicide) (X60-X84, Y87.0)	495	126	70	101	117	29	46	6	366	129	1.00
29.# Assault (homicide) (X85-Y09, Y87.1)	616	76	156	214	98	13	43	16	503	113	1.00
30.# Legal Intervention (Y35, Y89.0)	9	2	—	7	—	—	—	—	9	—	
31. Events of undetermined intent (Y10-Y34, Y87.2, Y89.9)	261	41	40	96	39	5	11	29	193	68	
32.# Complications of medical and surgical care (Y40-Y84, Y88)	36	9	9	8	3	2	4	1	14	22	
33.# Operations of war and their sequelae (Y36, Y89.1)	1	—	—	—	—	—	1	—	1	—	

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 Technical Notes on Cause-of-Death Coding.

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 occurring 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.

Table 5.

**Leading Causes of Death* in Specified Age Groups by Sex
New York City, 2002**

Rank	ALL AGES	Male		Female		All	
		Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Diseases of Heart	10,882	37.9	13,637	44.1	24,519	41.1
2	Malignant Neoplasms	6,783	23.6	6,959	22.5	13,742	23.0
3	Influenza and Pneumonia	1,086	3.8	1,422	4.6	2,508	4.2
4	Cerebrovascular Diseases	783	2.7	1,071	3.5	1,854	3.1
5	Human Immunodeficiency Virus (HIV) Disease	1,138	4.0	574	1.9	1,712	2.9
6	Diabetes Mellitus	741	2.6	963	3.1	1,704	2.9
7	Chronic Lower Respiratory Diseases	769	2.7	933	3.0	1,702	2.9
8	Accidents Except Poisoning by Psychoactive Substance	742	2.6	438	1.4	1,180	2.0
9	Use of or Poisoning by Psychoactive Substance	668	2.3	237	0.8	905	1.5
10	Essential Hypertension and Renal Diseases	294	1.0	429	1.4	723	1.2
	All Other Causes	4,862	16.9	4,240	13.7	9,102	15.3
	Total	28,748	100.0	30,903	100.0	59,651	100.0
Rank	UNDER 1 YEAR	Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Congenital Malformations, Deformations	80	19.6	69	20.7	149	20.1
2	Short Gestation and Low Birth Weight	63	15.4	47	14.1	110	14.8
3	Cardiovascular Disorders Originating in the Perinatal Period	44	10.8	43	12.9	87	11.7
4	External Causes	30	7.4	23	6.9	53	7.1
5	Respiratory Distress of Newborn	34	8.3	11	3.3	45	6.1
6	Other Respiratory Conditions Originating in the Perinatal Period	15	3.7	12	3.6	27	3.6
7	Necrotizing Enterocolitis of Newborn	13	3.2	12	3.6	25	3.4
8	Sudden Infant Death Syndrome	14	3.4	10	3.0	24	3.2
9	Bacterial Sepsis of Newborn	10	2.5	11	3.3	21	2.8
10	Newborn Affected by Complications of Pregnancy	6	1.5	12	3.6	18	2.4
	All Other Causes	99	24.3	84	25.1	183	24.7
	Total	408	100.0	334	100.0	742	100.0
Rank	1 TO 14 YEARS	Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Malignant Neoplasms	35	20.8	21	18.3	56	19.8
2	Accidents Except Poisoning by Psychoactive Substance	28	16.7	19	16.5	47	16.6
3	Congenital Malformations, Deformations	16	9.5	16	13.9	32	11.3
4	Assault (Homicide)	10	6.0	5	4.3	15	5.3
5	Chronic Lower Respiratory Diseases	7	4.2	6	5.2	13	4.6
6	Influenza and Pneumonia	8	4.8	4	3.5	12	4.2
7	In Situ, Benign and Uncertain Neoplasms	6	3.6	2	1.7	8	2.8
8	Diseases of Heart	3	1.8	4	3.5	7	2.5
9	Human Immunodeficiency Virus (HIV) Disease	3	1.8	2	1.7	5	1.8
	All Other Causes	52	31.0	36	31.3	88	31.1
	Total	168	100.0	115	100.0	283	100.0
Rank	15 TO 24 YEARS	Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Assault (Homicide)	160	34.1	21	11.8	181	28.0
2	Accidents Except Poisoning by Psychoactive Substance	85	18.1	20	11.2	105	16.2
3	Intentional Self-harm (Suicide)	53	11.3	14	7.9	67	10.4
4	Malignant Neoplasms	38	8.1	24	13.5	62	9.6
5	Use of or Poisoning by Psychoactive Substance	35	7.5	13	7.3	48	7.4
6	Diseases of Heart	19	4.1	10	5.6	29	4.5
7	Human Immunodeficiency Virus (HIV) Disease	11	2.3	9	5.1	20	3.1
8	Congenital Malformations, Deformations	8	1.7	5	2.8	13	2.0
9	Influenza and Pneumonia	5	1.1	5	2.8	10	1.5
10	Chronic Lower Respiratory Diseases	5	1.1	4	2.2	9	1.4
10	Events of Undetermined Intent	6	1.3	3	1.7	9	1.4
	All Other Causes	44	9.4	50	28.1	94	14.5
	Total	469	100.0	178	100.0	647	100.0
Rank	25 TO 34 YEARS	Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Assault (Homicide)	149	18.6	37	9.0	186	15.3
2	Malignant Neoplasms	76	9.5	66	16.1	142	11.7
3	Human Immunodeficiency Virus (HIV) Disease	72	9.0	68	16.6	140	11.6
4	Use of or Poisoning by Psychoactive Substance	94	11.7	31	7.6	125	10.3
5	Accidents Except Poisoning by Psychoactive Substance	95	11.8	20	4.9	115	9.5
6	Intentional Self-harm (Suicide)	77	9.6	26	6.3	103	8.5
7	Diseases of Heart	66	8.2	31	7.6	97	8.0
8	Events of Undetermined Intent	28	3.5	7	1.7	35	2.9
9	Cerebrovascular Diseases	15	1.9	8	2.0	23	1.9
10	Pregnancy, Childbirth and the Puerperium	0	0.0	19	4.6	19	1.6
	All Other Causes	130	16.2	97	23.7	227	18.7
	Total	802	100.0	410	100.0	1,212	100.0

Continued on next page.

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.

*Beginning January 1, 1999 all causes were coded using ICD-10. See Table 4 for preliminary comparability ratios.

Rank	35 TO 44 YEARS	Male		Female		All	
		Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Human Immunodeficiency Virus (HIV) Disease	383	21.2	240	21.1	623	21.2
2	Malignant Neoplasms	215	11.9	294	25.8	509	17.3
3	Diseases of Heart	234	13.0	112	9.8	346	11.8
4	Use of or Poisoning by Psychoactive Substance	239	13.2	91	8.0	330	11.2
5	Accidents Except Poisoning by Psychoactive Substance	98	5.4	25	2.2	123	4.2
6	Assault (Homicide)	93	5.1	18	1.6	111	3.8
7	Intentional Self-harm (Suicide)	80	4.4	24	2.1	104	3.5
8	Mental Disorders due to Use of Alcohol	58	3.2	15	1.3	73	2.5
9	Cerebrovascular Diseases	29	1.6	41	3.6	70	2.4
10	Diabetes Mellitus	41	2.3	22	1.9	63	2.1
	All Other Causes	336	18.6	256	22.5	592	20.1
	Total	1,806	100.0	1,138	100.0	2,944	100.0
Rank	45 TO 54 YEARS	Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Malignant Neoplasms	685	21.5	814	39.7	1,499	28.7
2	Diseases of Heart	755	23.7	345	16.8	1,100	21.0
3	Human Immunodeficiency Virus (HIV) Disease	455	14.3	186	9.1	641	12.3
4	Use of or Poisoning by Psychoactive Substance	227	7.1	83	4.0	310	5.9
5	Chronic Liver Disease and Cirrhosis	111	3.5	40	2.0	151	2.9
6	Viral Hepatitis	101	3.2	44	2.1	145	2.8
7	Cerebrovascular Diseases	85	2.7	56	2.7	141	2.7
8	Diabetes Mellitus	75	2.4	56	2.7	131	2.5
9	Accidents Except Poisoning by Psychoactive Substance	77	2.4	29	1.4	106	2.0
10	Mental Disorders due to Use of Alcohol	80	2.5	20	1.0	100	1.9
	All Other Causes	529	16.6	377	18.4	906	17.3
	Total	3,180	100.0	2,050	100.0	5,230	100.0
Rank	55 TO 64 YEARS	Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Malignant Neoplasms	1,326	31.9	1,166	40.7	2,492	35.5
2	Diseases of Heart	1,346	32.4	729	25.5	2,075	29.6
3	Diabetes Mellitus	150	3.6	117	4.1	267	3.8
4	Cerebrovascular Diseases	119	2.9	96	3.4	215	3.1
5	Human Immunodeficiency Virus (HIV) Disease	151	3.6	51	1.8	202	2.9
6	Influenza and Pneumonia	87	2.1	75	2.6	162	2.3
7	Chronic Lower Respiratory Diseases	79	1.9	79	2.8	158	2.3
8	Chronic Liver Disease and Cirrhosis	101	2.4	49	1.7	150	2.1
9	Accidents Except Poisoning by Psychoactive Substance	91	2.2	49	1.7	140	2.0
10	Viral Hepatitis	76	1.8	23	0.8	99	1.4
	All Other Causes	630	15.2	429	15.0	1,059	15.1
	Total	4,156	100.0	2,863	100.0	7,019	100.0
Rank	65 TO 74 YEARS	Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Diseases of Heart	2,285	40.0	1,756	37.7	4,041	39.0
2	Malignant Neoplasms	1,820	31.9	1,566	33.6	3,386	32.6
3	Diabetes Mellitus	187	3.3	229	4.9	416	4.0
4	Cerebrovascular Diseases	182	3.2	169	3.6	351	3.4
5	Chronic Lower Respiratory Diseases	173	3.0	177	3.8	350	3.4
6	Influenza and Pneumonia	173	3.0	117	2.5	290	2.8
7	Nephritis, Nephrotic Syndrome and Nephrosis	96	1.7	63	1.4	159	1.5
8	Accidents Except Poisoning by Psychoactive Substance	86	1.5	55	1.2	141	1.4
9	Essential Hypertension and Hypertensive Renal Disease	61	1.1	70	1.5	131	1.3
10	Chronic Liver Disease and Cirrhosis	64	1.1	38	0.8	102	1.0
	All Other Causes	585	10.2	421	9.0	1,006	9.7
	Total	5,712	100.0	4,661	100.0	10,373	100.0
Rank	75 TO 84 YEARS	Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Diseases of Heart	3,302	47.0	3,752	46.3	7,054	46.6
2	Malignant Neoplasms	1,819	25.9	1,882	23.2	3,701	24.4
3	Influenza and Pneumonia	350	5.0	397	4.9	747	4.9
4	Chronic Lower Respiratory Diseases	275	3.9	310	3.8	585	3.9
5	Cerebrovascular Diseases	220	3.1	335	4.1	555	3.7
6	Diabetes Mellitus	192	2.7	282	3.5	474	3.1
7	Essential Hypertension and Hypertensive Renal Disease	75	1.1	141	1.7	216	1.4
8	Accidents Except Poisoning by Psychoactive Substance	98	1.4	107	1.3	205	1.4
9	Nephritis, Nephrotic Syndrome and Nephrosis	97	1.4	99	1.2	196	1.3
10	Septicemia	73	1.0	93	1.1	166	1.1
	All Other Causes	530	7.5	712	8.8	1,242	8.2
	Total	7,031	100.0	8,110	100.0	15,141	100.0
Rank	85 AND OVER	Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Diseases of Heart	2,867	57.3	6,893	62.4	9,760	60.8
2	Malignant Neoplasms	768	15.3	1,125	10.2	1,893	11.8
3	Influenza and Pneumonia	387	7.7	754	6.8	1,141	7.1
4	Cerebrovascular Diseases	128	2.6	363	3.3	491	3.1
5	Chronic Lower Respiratory Diseases	151	3.0	293	2.7	444	2.8
6	Diabetes Mellitus	86	1.7	249	2.3	335	2.1
7	Essential Hypertension and Hypertensive Renal Disease	61	1.2	145	1.3	206	1.3
8	Nephritis, Nephrotic Syndrome and Nephrosis	79	1.6	119	1.1	198	1.2
9	Accidents Except Poisoning by Psychoactive Substance	78	1.6	109	1.0	187	1.2
10	Septicemia	47	0.9	106	1.0	153	1.0
	All Other Causes	353	7.1	883	8.0	1,236	7.7
	Total	5,005	100.0	11,039	100.0	16,044	100.0

Table 5a.

**Leading Causes of Death by Sex, Age < 65
New York City, 2002**

Rank	Cause of Death	Male		Female		All	
		Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Malignant Neoplasms	2,376	21.6	2,386	33.7	4,762	26.3
	Trachea, bronchus, and lung	611	5.6	436	6.2	1,047	5.8
	Breast	4	0.0	522	7.4	526	2.9
	Colon, rectum, and anus	250	2.3	216	3.0	466	2.6
	Pancreas	133	1.2	96	1.4	229	1.3
	Leukemia	130	1.2	97	1.4	227	1.3
2	Diseases of Heart	2,427	22.1	1,236	17.4	3,663	20.3
3	Human Immunodeficiency Virus (HIV) Disease	1,075	9.8	557	7.9	1,632	9.0
4	Use of or Poisoning by Psychoactive Substance	655	6.0	234	3.3	889	4.9
5	Accidents Except Poisoning by Psychoactive Substance	479	4.4	167	2.4	646	3.6
6	Assault (Homicide)	490	4.5	101	1.4	591	3.3
7	Diabetes Mellitus	276	2.5	203	2.9	479	2.6
8	Cerebrovascular Diseases	253	2.3	204	2.9	457	2.5
9	Intentional Self-harm (Suicide)	319	2.9	103	1.5	422	2.3
10	Chronic Liver Disease and Cirrhosis	255	2.3	107	1.5	362	2.0
	All Other Causes	2,384	21.7	1,790	25.3	4,174	23.1
	Total	10,989	100.0	7,088	100.0	18,077	100.0

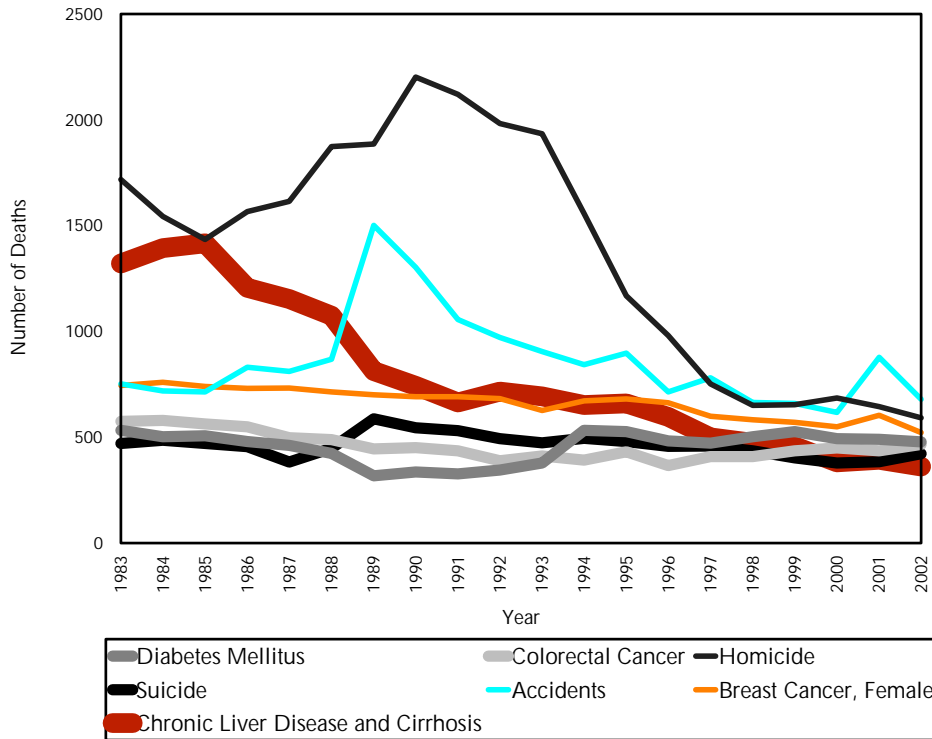


Figure 1. Number of Deaths from Selected Causes Age < 65, New York City, 1983-2002

The number of homicide deaths in New York City declined steadily between 1990 and 1998, and again between 2000 and 2002 after a small rise from 1998 to 2000. Suicide deaths declined slightly in the last two decades, from 471 in 1983 to 422 in 2002; suicide deaths peaked in 1989. The number of colorectal cancer deaths among age < 65 decedents also declined in the past two decades, from 575 to 466.

The surge of accidental deaths in 2001 was caused by the Flight 587 air crash.

The Ninth Revision of the International Classification of Diseases (ICD-9) was used to code causes of death in 1979-1998. ICD-10 was implemented in 1999. The preliminary comparability ratios for the ICD-9 to ICD-10 conversion are listed in Table 4.

All reported WTC deaths are homicides and not included in this graph for the year 2001. See Special Section for detailed statistics on WTC deaths. See Figure 5 and 6 for comparable graphs for all ages, and Figure 8 for deaths due to HIV diseases.

Table 6.

**Leading Causes of Death* in Specified Ethnic Groups by Sex
New York City, 2002**

Rank	Puerto Rican	Male		Female		All	
		Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Diseases of Heart	725	28.5	741	33.2	1,466	30.7
2	Malignant Neoplasms	513	20.2	429	19.2	942	19.7
3	Human Immunodeficiency Virus (HIV) Disease	239	9.4	120	5.4	359	7.5
4	Diabetes Mellitus	99	3.9	135	6.1	234	4.9
5	Influenza and Pneumonia	98	3.9	110	4.9	208	4.4
6	Chronic Lower Respiratory Diseases	74	2.9	97	4.4	171	3.6
7	Cerebrovascular Diseases	78	3.1	81	3.6	159	3.3
8	Use of or Poisoning by Psychoactive Substance	104	4.1	34	1.5	138	2.9
9	Chronic Liver Disease and Cirrhosis	91	3.6	35	1.6	126	2.6
10	Viral Hepatitis	71	2.8	29	1.3	100	2.1
	All Other Causes	449	17.7	418	18.8	867	18.2
	Total	2,541	100.0	2,229	100.0	4,770	100.0
Rank	Other Hispanic	Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Diseases of Heart	527	28.4	530	32.7	1,057	30.4
2	Malignant Neoplasms	372	20.0	419	25.9	791	22.7
3	Cerebrovascular Diseases	73	3.9	78	4.8	151	4.3
4	Human Immunodeficiency Virus (HIV) Disease	104	5.6	39	2.4	143	4.1
5	Influenza and Pneumonia	57	3.1	65	4.0	122	3.5
6	Diabetes Mellitus	43	2.3	70	4.3	113	3.2
7	Accidents Except Poisoning by Psychoactive Substance	83	4.5	27	1.7	110	3.2
8	Assault (Homicide)	81	4.4	19	1.2	100	2.9
9	Use of or Poisoning by Psychoactive Substance	70	3.8	14	0.9	84	2.4
10	Chronic Liver Disease and Cirrhosis	35	1.9	35	2.2	70	2.0
	All Other Causes	412	22.2	324	20.0	736	21.2
	Total	1,857	100.0	1,620	100.0	3,477	100.0
Rank	Asian and Pacific Islander	Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Diseases of Heart	446	32.7	382	35.9	828	34.1
2	Malignant Neoplasms	405	29.7	304	28.6	709	29.2
3	Cerebrovascular Diseases	70	5.1	77	7.2	147	6.1
4	Influenza and Pneumonia	63	4.6	55	5.2	118	4.9
5	Accidents Except Poisoning by Psychoactive Substance	46	3.4	29	2.7	75	3.1
6	Chronic Lower Respiratory Diseases	41	3.0	22	2.1	63	2.6
7	Diabetes Mellitus	21	1.5	35	3.3	56	2.3
8	Intentional Self-harm (Suicide)	24	1.8	17	1.6	41	1.7
9	Nephritis, Nephrotic Syndrome and Nephrosis	20	1.5	18	1.7	38	1.6
10	Essential Hypertension and Hypertensive Renal Disease	18	1.3	8	0.8	26	1.1
	All Other Causes	210	15.4	116	10.9	326	13.4
	Total	1,364	100.0	1,063	100.0	2,427	100.0
Rank	Non-Hispanic White	Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Diseases of Heart	6,738	44.2	8,846	50.3	15,584	47.5
2	Malignant Neoplasms	3,764	24.7	3,941	22.4	7,705	23.5
3	Influenza and Pneumonia	615	4.0	805	4.6	1,420	4.3
4	Chronic Lower Respiratory Diseases	436	2.9	584	3.3	1,020	3.1
5	Cerebrovascular Diseases	348	2.3	522	3.0	870	2.6
6	Diabetes Mellitus	294	1.9	338	1.9	632	1.9
7	Accidents Except Poisoning by Psychoactive Substance	348	2.3	261	1.5	609	1.9
8	Use of or Poisoning by Psychoactive Substance	290	1.9	96	0.5	386	1.2
9	Nephritis, Nephrotic Syndrome and Nephrosis	170	1.1	157	0.9	327	1.0
10	Intentional Self-harm (Suicide)	213	1.4	74	0.4	287	0.9
	All Other Causes	2,023	13.3	1,977	11.2	4,000	12.2
	Total	15,239	100.0	17,601	100.0	32,840	100.0
Rank	Non-Hispanic Black	Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Diseases of Heart	2,272	31.5	3,003	37.4	5,275	34.6
2	Malignant Neoplasms	1,627	22.6	1,790	22.3	3,417	22.4
3	Human Immunodeficiency Virus (HIV) Disease	538	7.5	334	4.2	872	5.7
4	Diabetes Mellitus	271	3.8	367	4.6	638	4.2
5	Influenza and Pneumonia	232	3.2	370	4.6	602	3.9
6	Cerebrovascular Diseases	205	2.8	297	3.7	502	3.3
7	Chronic Lower Respiratory Diseases	168	2.3	184	2.3	352	2.3
8	Assault (Homicide)	283	3.9	63	0.8	346	2.3
9	Essential Hypertension and Hypertensive Renal Disease	125	1.7	172	2.1	297	1.9
10	Accidents Except Poisoning by Psychoactive Substance	197	2.7	85	1.1	282	1.8
	All Other Causes	1,295	18.0	1,373	17.1	2,668	17.5
	Total	7,213	100.0	8,038	100.0	15,251	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.

*Beginning January 1, 1999 all causes were coded using ICD-10. See Table 4 for preliminary comparability ratios.

Table 6a.

**Leading Causes of Death* in Specified Ethnic Groups by Sex
Age < 65, New York City, 2002**

Rank	Puerto Rican	Male		Female		All	
		Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Malignant Neoplasms.	217	16.2	171	22.7	388	18.6
2	Diseases of Heart.	248	18.5	128	17.0	376	18.0
3	Human Immunodeficiency Virus (HIV) Disease.	224	16.8	119	15.8	343	16.4
4	Use of or Poisoning by Psychoactive Substance	103	7.7	33	4.4	136	6.5
5	Chronic Liver Disease and Cirrhosis.	72	5.4	22	2.9	94	4.5
6	Viral Hepatitis	68	5.1	22	2.9	90	4.3
7	Diabetes Mellitus.	46	3.4	33	4.4	79	3.8
8	Accidents Except Poisoning by Psychoactive Substance.	40	3.0	17	2.3	57	2.7
9	Cerebrovascular Diseases.	33	2.5	20	2.7	53	2.5
10	Chronic Lower Respiratory Diseases.	24	1.8	27	3.6	51	2.4
10	Influenza and Pneumonia.	31	2.3	20	2.7	51	2.4
	All Other Causes	231	17.3	141	18.7	372	17.8
	Total	1,337	100.0	753	100.0	2,090	100.0
Rank	Other Hispanic	Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Malignant Neoplasms.	169	16.7	199	33.1	368	22.8
2	Diseases of Heart.	181	17.9	84	14.0	265	16.4
3	Human Immunodeficiency Virus (HIV) Disease.	100	9.9	39	6.5	139	8.6
4	Assault (Homicide).	80	7.9	19	3.2	99	6.1
5	Accidents Except Poisoning by Psychoactive Substance.	72	7.1	14	2.3	86	5.3
6	Use of or Poisoning by Psychoactive Substance	70	6.9	14	2.3	84	5.2
7	Cerebrovascular Diseases.	34	3.4	21	3.5	55	3.4
8	Intentional Self-harm (Suicide).	34	3.4	9	1.5	43	2.7
9	Diabetes Mellitus.	19	1.9	20	3.3	39	2.4
10	Chronic Liver Disease and Cirrhosis.	27	2.7	8	1.3	35	2.2
	All Other Causes	227	22.4	175	29.1	402	24.9
	Total.	1,013	100.0	602	100.0	1,615	100.0
Rank	Asian and Pacific Islander	Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Malignant Neoplasms.	166	31.7	140	45.8	306	36.9
2	Diseases of Heart.	121	23.1	38	12.4	159	19.2
3	Accidents Except Poisoning by Psychoactive Substance.	29	5.5	19	6.2	48	5.8
4	Cerebrovascular Diseases.	22	4.2	20	6.5	42	5.1
5	Intentional Self-harm (Suicide).	21	4.0	12	3.9	33	4.0
6	Viral Hepatitis	15	2.9	5	1.6	20	2.4
7	Assault (Homicide).	17	3.2	3	1.0	20	2.4
8	Congenital Malformations, Deformations.	9	1.7	8	2.6	17	2.0
9	Chronic Liver Disease and Cirrhosis.	12	2.3	1	0.3	13	1.6
10	Diabetes Mellitus.	6	1.1	6	2.0	12	1.4
10	Human Immunodeficiency Virus (HIV) Disease.	11	2.1	1	0.3	12	1.4
	All Other Causes.	95	18.1	53	17.3	148	17.8
	Total.	524	100.0	306	100.0	830	100.0
Rank	Non-Hispanic White	Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Malignant Neoplasms.	1,110	26.7	1,091	43.4	2,201	33.0
2	Diseases of Heart.	1,030	24.8	406	16.2	1,436	21.5
3	Use of or Poisoning by Psychoactive Substance	286	6.9	94	3.7	380	5.7
4	Human Immunodeficiency Virus (HIV) Disease.	199	4.8	66	2.6	265	4.0
5	Accidents Except Poisoning by Psychoactive Substance.	177	4.3	64	2.5	241	3.6
6	Intentional Self-harm (Suicide).	184	4.4	55	2.2	239	3.6
7	Diabetes Mellitus.	89	2.1	56	2.2	145	2.2
8	Chronic Liver Disease and Cirrhosis.	86	2.1	46	1.8	132	2.0
9	Cerebrovascular Diseases.	74	1.8	52	2.1	126	1.9
10	Chronic Lower Respiratory Diseases.	63	1.5	58	2.3	121	1.8
	All Other Causes.	863	20.7	524	20.9	1,387	20.8
	Total.	4,161	100.0	2,512	100.0	6,673	100.0
Rank	Non-Hispanic Black	Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Malignant Neoplasms.	674	18.2	750	26.7	1,424	21.9
2	Diseases of Heart.	799	21.6	560	20.0	1,359	20.9
3	Human Immunodeficiency Virus (HIV) Disease.	503	13.6	322	11.5	825	12.7
4	Assault (Homicide).	282	7.6	57	2.0	339	5.2
5	Use of or Poisoning by Psychoactive Substance	179	4.8	89	3.2	268	4.1
6	Accidents Except Poisoning by Psychoactive Substance.	151	4.1	52	1.9	203	3.1
7	Diabetes Mellitus.	113	3.1	85	3.0	198	3.0
8	Cerebrovascular Diseases.	87	2.4	86	3.1	173	2.7
9	Influenza and Pneumonia.	68	1.8	62	2.2	130	2.0
10	Chronic Lower Respiratory Diseases.	59	1.6	51	1.8	110	1.7
	All Other Causes.	785	21.2	691	24.6	1,476	22.7
	Total.	3,700	100.0	2,805	100.0	6,505	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.

*Beginning January 1, 1999 all causes were coded using ICD-10. See 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, 2002

Health Center District	2000 Census Population	All Causes		Heart Diseases		Malignant Neoplasms		HIV Disease		Influenza and Pneumonia		Cerebrovascular 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	59,651**	7.4	24,519	306.2	13,742	171.6	1,712	21.4	2,508	31.3	1,854	23.2	1,702	21.3	540	6.7	1,704	21.3	905	11.3	1,180	14.7	495	6.2	625	7.8	261	3.3
MANHATTAN.....	1,537,195	10,686	7.0	3,652	237.6	2,730	177.6	405	26.3	595	38.7	404	26.3	338	22.0	107	7.0	282	18.3	201	13.1	178	11.6	126	8.2	78	5.1	41	2.7
Central Harlem.....	123,781	1,302	10.5	394	318.3	268	216.5	64	51.7	60	48.5	53	42.8	53	42.8	11	8.9	63	50.9	37	29.9	20	16.2	9	7.3	16	12.9	4	3.2
East Harlem.....	136,172	1,102	8.1	352	258.5	249	182.9	76	55.8	60	44.1	30	22.0	33	24.2	19	14.0	31	22.8	28	20.6	15	11.0	6	4.4	16	11.7	4	2.9
Kips Bay-Yorkville.....	241,888	1,623	6.7	613	253.4	502	207.5	16	6.6	85	35.1	53	21.9	52	21.5	8	3.3	20	8.3	16	6.6	23	9.5	26	10.7	4	1.7	10	4.1
Lower East Side.....	242,760	1,710	7.0	582	239.7	459	189.1	73	30.1	98	40.4	65	26.8	44	18.1	16	6.6	31	12.8	41	16.9	29	11.9	25	10.3	8	3.3	4	1.6
Lower West Side.....	309,871	1,836	5.9	619	199.8	490	158.1	72	23.2	112	36.1	82	26.5	71	22.9	15	4.8	43	13.9	20	6.5	37	11.9	28	9.0	2	0.6	7	2.3
Riverside.....	203,527	1,496	7.4	558	274.2	362	177.9	55	27.0	93	45.7	59	29.0	37	18.2	24	11.8	36	17.7	21	10.3	30	14.7	16	7.9	8	3.9	6	2.9
Washington Heights.....	279,196	1,615	5.8	532	190.5	400	143.3	49	17.6	87	31.2	62	22.2	48	17.2	14	5.0	58	20.8	38	13.6	24	8.6	16	5.7	24	8.6	6	2.1
BRONX.....	1,332,650	9,383	7.0	3,489	261.8	1,901	142.6	454	34.1	411	30.8	296	22.2	273	20.5	119	8.9	383	28.7	179	13.4	160	12.0	70	5.3	156	11.7	40	3.0
Fordham-Riverdale.....	264,157	2,096	7.9	932	352.8	388	146.9	58	22.0	98	37.1	65	24.6	66	25.0	12	4.5	75	28.4	27	10.2	36	13.6	14	5.3	25	9.5	8	3.0
Morrisania.....	168,173	1,076	6.4	274	162.9	216	128.4	95	56.5	54	32.1	41	24.4	28	16.6	24	14.3	50	29.7	28	16.6	21	12.5	6	3.6	30	17.8	5	3.0
Mott Haven.....	138,675	833	6.0	238	171.6	167	120.4	65	46.9	39	28.1	30	21.6	24	17.3	20	14.4	41	29.6	24	17.3	6	4.3	13	9.4	18	13.0	2	1.4
Pelham Bay.....	244,452	2,070	8.5	882	360.8	437	178.8	35	14.3	83	34.0	59	24.1	48	19.6	15	6.1	98	40.1	16	6.5	33	13.5	10	4.1	27	11.0	6	2.5
Tremont.....	215,636	1,030	4.8	253	117.3	208	96.5	119	55.2	35	16.2	37	17.2	38	17.6	20	9.3	47	21.8	42	19.5	17	7.9	13	6.0	21	9.7	4	1.9
Westchester.....	301,557	2,275	7.5	909	301.4	484	160.5	82	27.2	102	33.8	64	21.2	69	22.9	28	9.3	71	23.5	42	13.9	47	15.6	14	4.6	35	11.6	15	5.0
BROOKLYN.....	2,465,326	17,640	7.2	7,607	308.6	3,717	150.8	545	22.1	774	31.4	505	20.5	455	18.5	153	6.2	506	20.5	225	9.1	329	13.3	101	4.1	221	9.0	96	3.9
Bay Ridge.....	271,224	2,314	8.5	1,192	439.5	500	184.3	12	4.4	83	30.6	54	19.9	69	25.4	18	6.6	42	15.5	19	7.0	44	16.2	18	6.6	7	2.6	5	1.8
Bedford.....	230,175	1,738	7.6	611	265.5	377	163.8	106	46.1	76	33.0	52	22.6	40	17.4	14	6.1	74	32.1	27	11.7	32	13.9	7	3.0	39	16.9	13	5.6
Brownsville.....	301,771	1,992	6.6	686	227.3	435	144.1	106	35.1	74	24.5	66	21.9	55	18.2	18	6.0	68	22.5	34	11.3	50	16.6	12	4.0	51	16.9	11	3.6
Bushwick.....	193,661	1,075	5.6	354	182.8	222	114.6	71	36.7	36	18.6	32	16.5	23	11.9	23	11.9	52	26.9	17	8.8	20	10.3	5	2.6	27	13.9	4	2.1
Flatbush.....	538,519	3,381	6.3	1,533	284.7	745	138.3	86	16.0	148	27.5	87	16.2	70	13.0	24	4.5	91	16.9	31	5.8	59	11.0	16	3.0	54	10.0	20	3.7
Fort Greene.....	152,636	1,153	7.6	413	270.6	219	143.5	70	45.9	60	39.3	46	30.1	34	22.3	13	8.5	42	27.5	15	9.8	17	11.1	2	1.3	16	10.5	3	2.0
Gravesend.....	309,623	3,204	10.3	1,670	539.4	664	214.5	25	8.1	154	49.7	84	27.1	62	20.0	18	5.8	48	15.5	35	11.3	46	14.9	23	7.4	12	3.9	25	8.1
Red Hook-Gowanus.....	111,434	780	7.0	286	256.7	152	136.4	30	26.9	59	52.9	25	22.4	34	30.5	7	6.3	31	27.8	12	10.8	14	12.6	5	4.5	4	3.6	2	1.8
Sunset Park.....	195,945	1,111	5.7	532	271.5	215	109.7	11	5.6	40	20.4	30	15.3	40	20.4	7	3.6	20	10.2	22	11.2	33	16.8	4	2.0	3	1.5	7	3.6
Williamsburg-Greenpoint..	160,338	891	5.6	330	205.8	188	117.3	27	16.8	44	27.4	29	18.1	28	17.5	11	6.9	38	23.7	13	8.1	14	8.7	9	5.6	8	5.0	6	3.7
QUEENS.....	2,229,379	14,228	6.4	6,976	312.9	3,010	135.0	189	8.5	452	20.3	431	19.3	400	17.9	103	4.6	383	17.2	152	6.8	312	14.0	117	5.2	98	4.4	39	1.7
Astoria.....	270,535	1,522	5.6	718	265.4	349	129.0	19	7.0	32	11.8	48	17.7	46	17.0	17	6.3	34	12.6	21	7.8	30	11.1	16	5.9	12	4.4	6	2.2
Corona.....	365,234	1,616	4.4	745	204.0	344	94.2	25	6.8	60	16.4	57	15.6	40	11.0	17	4.7	34	9.3	14	3.8	45	12.3	12	3.3	17	4.7	4	1.1
Flushing.....	498,318	3,500	7.0	1,765	354.2	819	164.4	20	4.0	113	22.7	98	19.7	99	19.9	11	2.2	74	14.8	21	4.2	72	14.4	27	5.4	9	1.8	9	1.8
Jamaica East.....	378,044	2,333	6.2	1,041	275.4	471	124.6	53	14.0	71	18.8	85	22.5	64	16.9	12	3.2	93	24.6	36	9.5	46	12.2	17	4.5	35	9.3	4	1.1
Jamaica West.....	421,894	2,908	6.9	1,469	348.2	542	128.5	57	13.5	100	23.7	82	19.4	86	20.4	29	6.9	87	20.6	38	9.0	67	15.9	25	5.9	19	4.5	12	2.8
Maspeth-Forest Hills.....	295,354	2,348	7.9	1,237	418.8	485	164.2	15	5.1	76	25.7	61	20.7	65	22.0	17	5.8	61	20.7	22	7.4	52	17.6	20	6.8	6	2.0	4	1.4
RICHMOND.....	443,728	3,514	7.9	1,635	368.5	836	188.4	49	11.0	159	35.8	86	19.4	173	39.0	23	5.2	83	18.7	44	9.9	61	13.7	29	6.5	13	2.9	5	1.1
NON-RESIDENTS.....	-	3,870	-	1,070	-	1,515	-	55	-	103	-	126	-	62	-	32	-	56	-	79	-	108	-	46	-	43	-	11	-
RESIDENCE UNKNOWN..	-	330	-	90	-	33	-	15	-	14	-	6	-	1	-	3	-	11	-	25	-	32	-	6	-	16	-	29	-

*Beginning January 1, 1999 all causes were coded using ICD-10.

**Deaths include events to non-residents. See Technical Notes for cause-of-death coding.

Borough totals may be higher than the sum of the health center districts, as they may include some deaths whose health center district could not be determined.

Table 8.

Deaths and Death Rates per 100,000 Population from Selected Causes* by Community District of Residence, New York City, 2002

Community District	Population 2000 Census	All Causes (Rate per 1,000)		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 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
		New York City	8,008,278	59,651**	7.4	24,519	306.2	13,742	171.6	1,712	21.4	2,508	31.3	1854	23.2	1,702	21.3	540	6.7	1704	21.3	905	11.3	1,180	14.7	495	6.2	625	7.8
Manhattan	1,537,195	10,647	6.9	3,639	236.7	2,725	177.3	404	26.3	592	38.5	403	26.2	336	21.9	106	6.9	280	18.2	201	13.1	177	11.5	125	8.1	77	5.0	41	2.7
01	34,420	142	4.1	52	151.1	43	124.9	6	17.4	7	20.3	7	20.3	5	14.5	-	-	1	2.9	-	-	3	8.7	2	5.8	1	2.9	-	-
02	93,119	488	5.2	160	171.8	132	141.8	15	16.1	35	37.6	22	23.6	15	16.1	3	3.2	11	11.8	5	5.4	10	10.7	8	8.6	-	-	1	1.1
03	164,407	1,220	7.4	405	246.3	311	189.2	61	37.1	75	45.6	59	35.9	26	15.8	11	6.7	23	14.0	29	17.6	20	12.2	18	10.9	6	3.6	3	1.8
04	87,479	597	6.8	179	204.6	161	184.0	42	48.0	28	32.0	25	28.6	29	33.2	10	11.4	14	16.0	11	12.6	12	13.7	6	6.9	1	1.1	4	4.6
05	44,028	236	5.4	82	186.2	66	149.9	10	22.7	9	20.4	6	13.6	8	18.2	2	4.5	7	15.9	5	11.4	1	2.3	6	13.6	1	2.3	1	2.3
06	136,152	881	6.5	310	227.7	284	208.6	14	10.3	44	32.3	23	16.9	29	21.3	6	4.4	14	10.3	15	11.0	15	11.0	14	10.3	1	0.7	3	2.2
07	207,699	1,541	7.4	582	280.2	373	179.6	44	21.2	104	50.1	58	27.9	43	20.7	19	9.1	33	15.9	19	9.1	35	16.9	20	9.6	4	1.9	5	2.4
08	217,063	1,442	6.6	566	260.8	425	195.8	11	5.1	80	36.9	49	22.6	49	22.6	11	5.1	18	8.3	15	6.9	21	9.7	5	2.3	9	4.1		
09	111,724	742	6.6	223	199.6	190	170.1	42	37.6	37	33.1	36	32.2	20	17.9	6	5.4	32	28.6	18	16.1	15	13.4	5	4.5	10	9.0	5	4.5
10	107,109	1,084	10.1	334	311.8	220	205.4	57	53.2	47	43.9	40	37.3	47	43.9	9	8.4	49	45.7	29	27.1	18	16.8	8	7.5	15	14.0	4	3.7
11	117,743	1,133	9.6	345	293.0	237	201.3	80	67.9	65	55.2	36	30.6	31	26.3	17	14.4	44	37.4	32	27.2	15	12.7	4	3.4	16	13.6	3	2.5
12	208,414	1,139	5.5	399	191.4	283	135.8	22	10.6	61	29.3	42	20.2	34	16.3	12	5.8	34	16.3	23	11.0	12	5.8	13	6.2	17	8.2	3	1.4
Bronx	1,332,650	9,422	7.1	3,502	262.8	1,906	143.0	455	34.1	414	31.1	297	22.3	275	20.6	120	9.0	385	28.9	179	13.4	161	12.1	71	5.3	157	11.8	40	3.0
01	82,159	561	6.8	150	182.6	111	135.1	41	49.9	26	31.6	23	28.0	16	19.5	14	17.0	30	36.5	21	25.6	3	3.7	8	9.7	11	13.4	1	1.2
02	46,824	275	5.9	81	173.0	51	108.9	33	70.5	11	23.5	13	27.8	8	17.1	7	14.9	8	17.1	6	12.8	6	12.8	5	10.7	6	12.8	-	-
03	68,574	456	6.6	107	156.0	92	134.2	45	65.6	22	32.1	20	29.2	11	16.0	12	17.5	23	33.5	11	16.0	8	11.7	2	2.9	15	21.9	4	5.8
04	139,563	800	5.7	218	156.2	167	119.7	64	45.9	39	27.9	22	15.8	22	15.8	14	10.0	37	26.5	22	15.8	12	8.6	5	3.6	17	12.2	4	2.9
05	128,313	556	4.3	148	115.3	105	81.8	60	46.8	25	19.5	18	14.0	19	14.8	11	8.6	21	16.4	23	17.9	13	10.1	8	6.2	10	7.8	1	0.8
06	75,688	481	6.4	133	175.7	104	137.4	47	62.1	14	18.5	20	26.4	16	21.1	10	13.2	26	34.4	15	19.8	7	9.2	6	7.9	11	14.5	-	-
07	141,411	904	6.4	350	247.5	167	118.1	37	26.2	47	33.2	36	25.5	34	24.0	4	2.8	31	21.9	17	12.0	17	12.0	6	4.2	18	12.7	9	6.4
08	101,332	1,050	10.4	526	519.1	190	187.5	11	10.9	45	44.4	22	21.7	33	32.6	5	4.9	39	38.5	6	5.9	15	14.8	7	6.9	7	6.9	-	-
09	167,859	1,111	6.6	377	224.6	228	135.8	65	38.7	46	27.4	34	20.3	28	16.7	17	10.1	43	25.6	26	15.5	28	16.7	6	3.6	28	16.7	9	5.4
10	115,948	1,160	10.0	508	438.1	278	239.8	13	11.2	48	41.4	32	27.6	39	33.6	9	7.8	48	41.4	10	8.6	17	14.7	8	6.9	6	5.2	7	6.0
11	110,706	1,067	9.6	514	464.3	204	184.3	12	10.8	63	56.9	26	23.5	22	19.9	8	7.2	34	30.7	11	9.9	15	13.5	4	3.6	7	6.3	2	1.8
12	149,077	997	6.7	389	260.9	208	139.5	26	17.4	28	18.8	31	20.8	27	18.1	9	6.0	44	29.5	11	7.4	20	13.4	6	4.0	21	14.1	3	2.0
Brooklyn	2,465,326	17,640	7.2	7,607	308.6	3,717	150.8	545	22.1	774	31.4	505	20.5	455	18.5	153	6.2	506	20.5	225	9.1	329	13.3	101	4.1	221	9.0	96	3.9
01	160,338	891	5.6	330	205.8	188	117.3	27	16.8	44	27.4	29	18.1	28	17.5	11	6.9	38	23.7	13	8.1	14	8.7	9	5.6	8	5.0	6	3.7
02	98,620	769	7.8	287	291.0	150	152.1	31	31.4	46	46.6	29	29.4	29	29.4	5	5.1	22	22.3	8	8.1	13	13.2	4	4.1	11	11.2	4	4.1
03	143,867	1,178	8.2	379	263.4	250	173.8	81	56.3	54	37.5	40	27.8	28	19.5	13	9.0	51	35.4	22	15.3	23	16.0	1	0.7	26	18.1	3	2.1
04	104,358	579	5.5	168	161.0	113	108.3	39	37.4	21	20.1	11	10.5	16	15.3	17	16.3	32	30.7	8	7.7	7	6.7	5	4.8	14	13.4	4	3.8
05	173,198	1,069	6.2	353	203.8	256	147.8	55	31.8	41	23.7	40	23.1	26	15.0	10	5.8	32	18.5	25	14.4	29	16.7	8	4.6	22	12.7	2	1.2
06	104,054	676	6.5	256	246.0	133	127.8	28	26.9	46	44.2	23	22.1	23	22.1	8	7.7	23	22.1	17	16.3	13	12.5	1	1.0	3	2.9	3	2.9
07	120,063	681	5.7	259	215.7	165	137.4	9	7.5	32	26.7	19	15.8	29	24.2	7	5.8	17	14.2	15	12.5	19	15.8	3	2.5	2	1.7	2	1.7
08	96,076	723	7.5	274	285.2	145	150.9	49	51.0	38	39.6	18	18.7	18	18.7	5	5.2	35	36.4	11	11.4	8	8.3	4	4.2	14	14.6	7	7.3
09	104,014	665	6.4	239	229.8	160	153.8	36	34.6	22	21.2	25	24.0	12	11.5	8	7.7	25	24.0	6	5.8	13	12.5	3	2.9	11	10.6	3	2.9
10	122,542	1,074	8.8	543	443.1	224	182.8	6	4.9	45	36.7	26	21.2	44	35.9	4	3.3	17	13.9	11	9.0	25	20.4	10	8.2	3	2.4	1	0.8
11	172,129	1,572	9.1	816	474.1	349	202.8	6	3.5	55	32.0	41	23.8	35	20.3	17	9.9	26	15.1	15	8.7	27	15.7	11	6.4	5	2.9	7	4.1
12	185,046	1,211	6.5	664	358.8	221	119.4	11	5.9	39	21.1	29	15.7	31	16.8	6	3.2	16	8.6	12	6.5	25	13.5	6	3.2	6	3.2	8	4.3
13	106,120	1,372	12.9	721	679.4	268	252.5	16	15.1	84	79.2	33	31.1	23	21.7	5	4.7	18	17.0	17	16.0	18	17.0	14	13.2	7	6.6	9	8.5
14	168,806	1,028	6.1	499	295.6	182	107.8	32	19.0	43	25.5	22	13.0	24	14.2	5	3.0	25	14.8	10	5.9	18	10.7	7	4.1	18	10.7	7	4.1
15	160,319	1,450	9.0	768	479.0	310	193.4	6	3.7	53	33.1																		

Table 8. Deaths and Death Rates per 100,000 Population from Selected Causes* by Community District of Residence, New York City, 2002 (Continued)

Community District	Population 2000 Census	All Causes (Rate per 1,000)		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 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	14,228	6.4	6,976	312.9	3,010	135.0	189	8.5	452	20.3	431	19.3	400	17.9	103	4.6	383	17.2	152	6.8	312	14.0	117	5.2	98	4.4	39	1.7
01	211,220	1,116	5.3	537	254.2	261	123.6	16	7.6	25	11.8	27	12.8	24	11.4	9	4.3	29	13.7	16	7.6	23	10.9	11	5.2	7	3.3	5	2.4
02	109,920	603	5.5	264	240.2	138	125.5	6	5.5	18	16.4	24	21.8	27	24.6	11	10.0	12	10.9	6	5.5	13	11.8	5	4.5	7	6.4	1	0.9
03	169,083	786	4.6	370	218.8	163	96.4	11	6.5	32	18.9	28	16.6	21	12.4	6	3.5	16	9.5	6	3.5	19	11.2	6	3.5	5	3.0	2	1.2
04	167,005	668	4.0	310	185.6	137	82.0	11	6.6	19	11.4	29	17.4	15	9.0	8	4.8	11	6.6	7	4.2	22	13.2	6	3.6	10	6.0	2	1.2
05	165,911	1,245	7.5	616	371.3	254	153.1	11	6.6	34	20.5	31	18.7	45	27.1	14	8.4	36	21.7	17	10.2	31	18.7	11	6.6	4	2.4	2	1.2
06	115,967	998	8.6	569	490.7	207	178.5	4	3.4	39	33.6	26	22.4	19	16.4	3	2.6	20	17.2	4	3.4	16	13.8	9	7.8	2	1.7	2	1.7
07	242,952	1,804	7.4	930	382.8	387	159.3	11	4.5	57	23.5	60	24.7	59	24.3	5	2.1	36	14.8	11	4.5	39	16.1	16	6.6	4	1.6	7	2.9
08	146,594	990	6.8	494	337.0	211	143.9	12	8.2	35	23.9	24	16.4	29	19.8	6	4.1	27	18.4	8	5.5	19	13.0	7	4.8	2	1.4	4	2.7
09	141,608	748	5.3	327	230.9	161	113.7	17	12.0	24	16.9	27	19.1	11	7.8	13	9.2	22	15.5	7	4.9	31	21.9	7	4.9	6	4.2	4	2.8
10	127,274	708	5.6	288	226.3	187	146.9	11	8.6	25	19.6	26	20.4	24	18.9	9	7.1	29	22.8	9	7.1	14	11.0	7	5.5	4	3.1	2	1.6
11	116,404	722	6.2	375	322.2	186	159.8	1	0.9	24	20.6	18	15.5	18	15.5	2	1.7	17	14.6	2	1.7	11	9.4	2	1.7	2	1.7	-	-
12	223,602	1,552	6.9	680	304.1	287	128.4	43	19.2	46	20.6	57	25.5	38	17.0	7	3.1	71	31.8	30	13.4	33	14.8	13	5.8	23	10.3	5	2.2
13	196,284	1,046	5.3	457	232.8	270	137.6	11	5.6	35	17.8	30	15.3	29	14.8	5	2.5	29	14.8	12	6.1	20	10.2	9	4.6	15	7.6	-	-
14	106,686	1,233	11.6	754	706.7	161	150.9	24	22.5	38	35.6	24	22.5	41	38.4	5	4.7	27	25.3	17	15.9	20	18.7	8	7.5	7	6.6	3	2.8
Staten Island	443,728	3,514	7.9	1,635	368.5	836	188.4	49	11.0	159	35.8	86	19.4	173	39.0	23	5.2	83	18.7	44	9.9	61	13.7	29	6.5	13	2.9	5	1.1
01	162,609	1,308	8.0	571	351.1	289	177.7	33	20.3	62	38.1	34	20.9	77	47.4	6	3.7	37	22.8	18	11.1	24	14.8	10	6.1	12	7.4	1	0.6
02	127,071	1,221	9.6	629	495.0	278	218.8	4	3.1	62	48.8	28	22.0	45	35.4	7	5.5	25	19.7	13	10.2	20	15.7	7	5.5	1	0.8	2	1.6
03	152,908	984	6.4	435	284.5	269	175.9	12	7.8	35	22.9	24	15.7	51	33.4	10	6.5	21	13.7	13	8.5	17	11.1	12	7.8	-	-	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. Non-residents and residence unknown are not shown.

* Beginning January 1, 1999 all causes were coded using ICD-10. See the Technical Notes for cause-of-death coding.

Borough totals may be higher than the sum of the community districts, as they may include some deaths whose community district could not be determined.

Table 9.

**Deaths by Place of Death
New York City, 1992 - 2002**

Place of Death	1992*	1993*	1994	1995	1996	1997	1998	1999	2000	2001**	2002
Home.....	13,293	13,943	12,822	12,973	12,197	11,800	11,647	11,911	11,163	11,150	10,944
Hospital											
Voluntary.....	39,009	39,682	39,103	39,609	37,288	34,612	33,911	34,825	34,208	33,418	33,565
Proprietary.....	2,610	2,638	2,520	1,928	1,837	1,672	1,460	1,198	842	845	740
Municipal.....	8,517	8,845	8,231	7,710	7,046	6,158	5,716	5,784	5,598	5,534	5,362
Other Government.....	1,254	1,213	1,172	1,053	959	925	812	847	866	790	715
Nursing Home.....	3,848	4,564	5,110	5,551	5,753	5,746	5,880	6,475	6,632	6,621	6,735
Other Specified Place.....	2,470	2,523	2,080	1,945	1,704	1,593	1,584	1,430	1,530	1,860	1,590
Total.....	71,001	73,408	71,038	70,769	66,784	62,506	61,010	62,470	60,839	60,218	59,651

* Numbers for "Other Specified Place" are corrected from previous Summaries. **World Trade Center disaster deaths are not included in 2001.

Table 10.

**Deaths by Decedent Ancestry and Borough of Residence
New York City, 2002***

Ancestry	Total	Borough of Residence					Non-Residents	Residence Unknown
		Manhattan	Bronx	Brooklyn	Queens	Staten Island		
Puerto Rican.....	4,770	1,009	1,848	1,238	450	93	122	10
Dominican.....	1,159	467	337	151	174	5	22	3
Colombian.....	225	19	12	19	156	4	15	-
Ecuadorian.....	249	51	40	47	97	5	9	-
Mexican.....	178	31	34	51	43	3	16	-
Cuban.....	479	170	98	46	141	3	21	-
Other Hispanic.....	1,187	138	279	353	288	29	69	31
African-American.....	12,315	2,627	2,595	4,148	2,297	191	421	36
American.....	14,046	3,014	1,535	3,416	3,261	1,403	1,395	22
Guyanese.....	476	13	44	189	217	2	11	-
Haitian.....	534	36	9	335	131	2	21	-
Jamaican.....	632	25	161	321	84	6	34	1
Trinidadian.....	240	7	19	163	33	4	14	-
All Other North, Central and South American	975	73	147	490	207	9	47	2
English.....	309	76	12	46	83	42	50	-
German.....	1,434	307	142	136	631	81	136	1
Irish.....	2,492	284	391	438	837	251	286	5
Italian.....	6,096	319	707	1,981	1,688	956	434	11
Polish.....	1,319	174	127	488	380	63	85	2
Russian.....	1,291	139	88	726	277	31	29	1
Other European.....	3,011	493	196	970	1,036	126	188	2
Asian Indian.....	196	12	16	18	106	13	31	-
Bangladeshi.....	67	1	9	15	40	-	2	-
Chinese.....	1,420	480	34	401	425	39	40	1
Filipino.....	188	24	13	21	92	11	27	-
Korean.....	273	14	21	16	184	9	29	-
Pakistani.....	102	2	9	44	37	4	6	-
Other Asian.....	407	89	31	104	110	22	49	2
Jewish or Hebrew.....	1,517	163	105	798	273	34	143	1
Other & Not Stated.....	2,064	429	324	471	450	73	118	199
Total.....	59,651	10,686	9,383	17,640	14,228	3,514	3,870	330

* See the Technical Notes for a discussion of race and ancestry.

Table 11.

**Selected Characteristics of Deaths Due to Fatal Occupational Injuries
New York City, 2002****

Characteristic	All Deaths	Sex		Age Group				
		Male	Female	< 25	25-34	35-44	45-54	55+
Selected Events								
Transportation incident.....	16	16	0	2	3	3	3	5
Assaults and violent acts.....	37	32	5	3	11	10	7	6
Homicide.....	27	22	5	1	10	7	5	4
Shooting.....	15	14	1	0	7	6	1	1
Falls.....	25	21	4	0	6	9	3	7
Selected Industries								
Construction.....	35	35	0	3	10	10	6	6
Taxicabs.....	3	3	0	0	1	0	1	1
Grocery stores.....	5	5	0	0	3	1	0	1
Eating and drinking places.....	3	2	1	1	1	1	0	0
Police and fire protection.....	1	1	0	0	0	0	1	0
Race / Ethnicity								
White.....	40	38	2	1	10	11	8	10
Black.....	18	16	2	2	5	5	3	3
Hispanic.....	27	22	5	4	9	7	4	3
Asian.....	12	12	0	1	2	4	2	3
Total *.....	100	91	9	8	26	27	18	21

* Total includes three cases with other race/ethnicity or unknown. See Technical Notes for the source of data, and a discussion of race and ethnicity.

** One victim from the World Trade Center (WTC) disaster who died in 2002 is not included. See Special Section for WTC deaths.

Table 12.

**Deaths by Decedent Birthplace and Borough of Residence
New York City, 2002**

Birthplace	Total	Borough of Residence					Non-Residents	Residence Unknown
		Manhattan	Bronx	Brooklyn	Queens	Staten Island		
Bangladesh	68	2	10	14	39	—	3	—
China	1,245	440	31	360	359	31	24	—
Colombia	223	19	12	21	151	5	15	—
Cuba	495	175	97	52	146	4	20	1
Dominican Republic	1,159	462	336	160	172	6	21	2
Ecuador	254	49	40	48	102	7	8	—
El Salvador	48	2	4	13	20	—	9	—
Germany	669	206	71	72	254	16	50	—
Guyana	595	18	62	245	257	2	11	—
Haiti	571	42	7	359	137	2	24	—
Honduras	108	17	35	26	17	3	9	1
India	178	18	8	11	101	13	27	—
Ireland	497	70	147	70	148	21	41	—
Israel	81	11	6	39	12	4	9	—
Italy	1,621	66	221	572	480	187	94	1
Jamaica	1,076	57	279	427	243	8	60	2
Korea	269	15	21	15	182	8	28	—
Mexico	161	29	31	44	42	3	12	—
Pakistan	86	2	7	35	32	3	7	—
Philippines	199	26	13	22	96	13	29	—
Poland	1,109	158	109	505	253	31	51	2
Puerto Rico	4,135	888	1,646	1,059	373	70	93	6
Russia	1,011	113	85	508	256	24	25	—
Trinidad and Tobago	419	17	40	258	76	4	24	—
Ukraine	893	54	18	677	114	21	8	1
United States	35,860	6,547	5,265	9,936	8,397	2,822	2,820	73
Other & Not Stated	6,621	1,183	782	2,092	1,769	206	348	241
Total	59,651	10,686	9,383	17,640	14,228	3,514	3,870	330

Table 13.

**Deaths by Decedent Birthplace and Age
New York City, 2002**

Birthplace	Total	Age									Unknown
		< 15	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+	
Bangladesh	68	2	2	4	9	17	13	13	7	1	—
China	1,245	1	12	11	23	60	112	293	367	366	—
Colombia	223	1	5	7	18	20	43	53	39	37	—
Cuba	495	—	—	3	9	27	45	111	152	148	—
Dominican Republic	1,159	6	20	48	88	151	190	266	243	147	—
Ecuador	254	1	6	15	30	31	30	41	52	48	—
El Salvador	48	—	3	3	8	8	8	11	4	3	—
Germany	669	—	—	2	3	17	26	61	181	379	—
Guyana	595	3	4	16	32	71	100	141	140	88	—
Haiti	571	—	6	9	39	65	84	126	141	101	—
Honduras	108	—	3	3	9	14	21	20	22	16	—
India	178	—	—	8	21	19	43	37	34	16	—
Ireland	497	—	1	5	3	9	33	67	92	287	—
Israel	81	1	—	1	6	13	11	12	16	21	—
Italy	1,621	—	—	4	11	40	93	264	420	789	—
Jamaica	1,076	1	26	49	75	105	155	192	248	225	—
Korea	269	—	1	6	13	25	46	58	58	62	—
Mexico	161	4	23	41	36	23	13	10	6	5	—
Pakistan	86	3	1	7	10	19	23	11	10	2	—
Philippines	199	1	1	4	9	20	50	41	42	31	—
Poland	1,109	—	1	8	13	60	37	76	255	659	—
Puerto Rico	4,135	1	16	32	199	437	839	990	961	660	—
Russia	1,011	—	3	8	20	41	74	135	252	478	—
Trinidad and Tobago	419	1	10	15	41	58	70	76	85	63	—
Ukraine	893	—	6	3	11	43	50	177	326	277	—
United States	35,860	976	451	771	1,896	3,275	4,037	5,990	9,300	9,163	1
Other & Not Stated	6,621	23	46	129	312	562	773	1,101	1,688	1,972	15
Total	59,651	1,025	647	1,212	2,944	5,230	7,019	10,373	15,141	16,044	16

DEATHS DUE TO EXTERNAL CAUSES* BY AGE AND SEX, NEW YORK CITY, 2002

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+		Unknown	
		Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
Total	1,216	14	13	11	7	8	6	37	10	51	11	98	21	105	31	80	34	91	51	86	57	177	216	1	-
Motor Vehicle																									
Injury to pedestrian	209	3	1	6	-	3	2	6	2	8	2	14	3	17	5	15	9	15	14	12	12	30	29	1	-
Injury to pedal cyclist	10	-	-	-	-	-	-	-	-	-	-	1	-	5	-	2	-	1	-	1	-	-	-	-	-
Injury to occupant	83	-	1	-	-	-	-	5	1	12	1	30	1	14	3	2	-	4	2	3	1	2	1	-	-
Other motor vehicle accidents	112	1	1	1	-	-	-	10	3	14	5	13	9	10	-	11	2	6	5	5	5	10	1	-	-
Railway (includes subway)	21	-	-	-	-	-	-	1	-	3	-	2	-	4	-	5	1	3	-	2	-	-	-	-	-
Other land transport accidents	15	-	-	-	-	2	-	4	-	-	-	2	-	-	1	-	-	4	-	2	-	-	-	-	-
Water transport	4	-	-	-	-	-	-	1	-	-	-	2	-	2	-	-	-	-	-	1	-	-	-	-	-
Other transport accidents	9	-	-	-	-	-	-	-	-	-	-	2	-	-	1	-	-	2	-	2	-	2	-	-	-
Fall	453	2	-	1	1	2	-	2	-	4	1	13	-	24	3	17	6	34	19	39	30	109	146	-	-
Firearm discharge	3	-	-	-	-	-	-	2	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Drowning and submersion	5	-	1	-	-	-	-	1	-	2	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
Smoke, fire and flames	100	2	5	3	5	-	2	1	3	-	1	4	3	5	4	6	3	6	4	8	4	6	25	-	-
Poisoning by noxious substances	56	-	-	-	-	2	1	1	5	1	5	2	8	8	7	5	2	3	1	3	1	1	1	-	-
Exposure to excessive natural heat	17	-	-	-	-	-	-	-	-	-	-	2	2	-	-	2	3	2	1	-	2	3	-	-	-
Exposure to excessive natural cold	7	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2	-	-	2	-	1	1	-	-	-
Other nontransport accidents	112	6	4	-	1	1	-	3	-	3	-	11	1	13	6	14	4	11	2	7	2	14	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+		Unknown	
		Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
Total	495	-	-	-	-	1	1	13	6	40	8	77	26	80	24	70	27	38	11	22	11	25	15	-	-
Poisoning by noxious substances	71	-	-	-	-	1	1	-	-	1	4	4	16	7	15	6	3	4	3	2	-	4	-	-	-
Hanging, strangulation and suffocation	135	-	-	-	-	-	-	6	3	14	2	24	8	27	4	13	7	10	2	7	2	5	1	-	-
Drowning and submersion	12	-	-	-	-	-	-	1	-	1	1	-	1	1	1	1	1	1	-	-	2	-	-	-	-
Firearm discharge	81	-	-	-	-	-	-	1	-	8	1	17	2	17	2	10	1	9	-	5	-	8	-	-	-
Sharp or blunt object	28	-	-	-	-	-	-	1	-	1	-	7	-	3	-	8	2	3	-	3	-	-	-	-	-
Jumping from high place	130	-	-	-	-	1	-	2	3	13	1	21	8	11	7	11	10	9	4	3	7	9	10	-	-
Jumping or lying before moving object	29	-	-	-	-	-	-	1	-	2	2	2	3	3	3	9	-	2	-	1	-	1	-	-	-
Other and unspecified means	8	-	-	-	-	-	-	-	-	1	-	2	-	2	-	2	-	1	-	-	-	-	-	-	-
Sequelae (Late effects)	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-

Continued on next page.

DEATHS DUE TO EXTERNAL CAUSES* BY AGE AND SEX, NEW YORK CITY, 2002 (CONTINUED)

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+		Unknown	
		Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
Total	625	10	5	2	1	4	2	56	7	108	14	151	37	95	18	50	13	23	4	6	2	5	8	2	2
Poisoning by noxious substances	4	1	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	1	-	-	-	-	-	-	-
Hanging, strangulation and suffocation	30	-	1	-	-	-	-	-	1	1	2	3	7	3	2	1	3	-	-	2	-	1	3	-	-
Drowning and submersion	3	-	1	1	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Firearm discharge	365	-	-	-	-	1	1	41	2	86	7	117	12	54	8	21	3	5	-	2	1	2	2	-	-
Smoke, fire and flames	1	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Sharp or blunt object	147	1	-	1	1	3	1	13	2	18	4	23	12	22	6	15	4	12	3	1	1	2	1	-	1
Pushing from high place	3	-	-	-	-	-	-	-	1	-	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-
Neglect, abandonment & other maltreatment	7	5	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other and unspecified means	47	3	1	-	-	-	-	-	1	1	1	5	3	9	2	8	2	4	1	1	-	-	2	2	1
Sequelae (Late effects)	9	-	-	-	-	-	-	-	-	-	-	1	-	3	-	4	1	-	-	-	-	-	-	-	-
Legal intervention, all	9	-	-	-	-	-	-	2	-	2	-	2	-	2	-	-	-	1	-	-	-	-	-	-	-

Note: Legal intervention includes 9 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+		Unknown	
		Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
Total	261	19	16	0	0	0	0	4	1	2	2	28	7	35	6	46	21	28	2	14	3	11	7	6	3
Poisoning by noxious substances	39	-	2	-	-	-	-	-	1	1	-	2	3	8	1	8	7	4	1	-	1	-	-	-	-
Drowning and submersion	9	1	-	-	-	-	-	-	-	-	1	2	-	1	-	2	1	-	-	-	-	1	-	-	-
Firearm discharge	3	-	-	-	-	-	-	-	-	1	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Smoke, fire and flames	2	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-
Falling from high place	6	-	-	-	-	-	-	1	-	-	-	3	1	-	-	-	-	-	-	-	-	-	1	-	-
Other and unspecified means	201	18	14	-	-	-	-	3	-	1	-	20	3	25	4	34	13	24	1	14	2	10	6	6	3
Sequelae (Late effects)	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-

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+		Unknown	
		Male	Female	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	36	2	1	-	-	-	-	-	-	-	-	-	2	-	2	3	3	2	3	3	6	4	5	-	-

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+		Unknown	
		Male	Female	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)	461	-	-	-	-	1	1	46	2	96	9	138	14	74	10	31	4	15	-	7	1	10	2	-	-

* 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,

AGE GROUP/ETHNIC GROUP	ALL											1983-1992	1993	1994
	1983-1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002			
ALL AGES Total	32,570	6,120	7,102	7,046	4,998	2,625	1,978	2,020	1,961	1,774	1,712	26,810	4,746	5,267
Puerto Rican	5,453	963	1,474	1,514	1,105	571	381	404	413	369	359	4,278	695	1,075
Other Hispanic	3,090	718	550	584	368	187	150	137	166	121	143	2,639	586	441
Asian & Pacific Islande	229	30	36	54	27	20	12	13	13	8	14	209	23	31
Other White	9,951	1,495	1,738	1,732	1,088	466	363	341	303	298	274	9,122	1,318	1,449
Other Black	11,519	2,371	3,124	3,041	2,303	1,331	1,013	1,032	1,008	911	872	8,666	1,698	2,133
Other & Unknown	2,328	543	180	121	107	50	59	93	58	67	50	1,896	426	138
UNDER 1 Total	216	26	31	14	13	5	2	1	3	1	1	109	13	11
Puerto Rican	34	2	5	-	1	-	-	-	-	-	-	21	1	2
Other Hispanic	23	4	-	1	-	-	-	-	-	1	1	12	2	-
Asian & Pacific Islande	1	-	-	-	-	-	-	-	-	-	-	1	-	-
Other White	28	3	8	3	5	-	1	-	-	-	-	18	2	3
Other Black	115	17	16	9	6	5	1	1	3	-	-	51	8	6
Other & Unknown	15	-	2	1	1	-	-	-	-	-	-	6	-	-
1-14 Total	472	82	96	113	92	36	15	18	7	6	5	247	37	51
Puerto Rican	88	12	19	20	16	8	3	-	1	-	-	45	5	13
Other Hispanic	54	14	8	8	7	3	-	3	-	-	2	30	7	5
Asian & Pacific Islande	4	-	1	1	-	-	-	-	-	-	-	2	-	1
Other White	65	5	15	34	21	3	3	4	2	1	-	32	4	6
Other Black	229	45	51	49	45	21	9	11	3	5	3	126	18	25
Other & Unknown	32	6	2	1	3	1	-	-	1	-	-	12	3	1
15-24 Total	638	78	92	72	33	23	20	21	22	24	20	419	46	53
Puerto Rican	160	8	19	16	9	5	2	2	2	3	6	105	2	9
Other Hispanic	69	14	12	9	5	2	1	1	2	2	3	54	10	8
Asian & Pacific Islande	3	-	1	2	-	-	-	-	-	-	-	1	-	1
Other White	107	11	11	13	4	2	2	1	1	1	2	74	6	8
Other Black	252	37	48	30	12	13	13	17	17	18	9	156	23	27
Other & Unknown	47	8	1	2	3	1	2	-	-	-	-	29	5	-
25-34 Total	9,786	1,400	1,514	1,538	936	434	314	252	233	194	140	7,524	1,014	1,002
Puerto Rican	2,007	241	336	367	220	95	55	56	55	31	24	1,493	169	215
Other Hispanic	1,011	250	139	134	77	38	31	23	29	20	15	822	199	109
Asian & Pacific Islande	43	8	7	16	5	5	2	2	1	1	1	38	6	5
Other White	2,608	294	364	366	180	78	52	32	21	17	13	2,276	250	279
Other Black	3,446	491	640	634	442	210	166	132	120	117	83	2,381	305	377
Other & Unknown	671	116	28	21	12	8	8	7	7	8	4	514	85	17
35-44 Total	13,964	2,790	3,238	3,119	2,134	1,099	778	767	695	638	623	11,826	2,154	2,408
Puerto Rican	2,229	422	676	647	448	253	151	167	152	142	131	1,825	300	513
Other Hispanic	1,213	284	224	241	152	79	69	58	60	40	61	1,069	238	179
Asian & Pacific Islande	106	12	14	14	10	7	3	3	6	4	4	102	9	12
Other White	4,337	713	835	812	496	216	160	152	121	118	101	4,045	622	696
Other Black	5,092	1,113	1,402	1,356	988	527	375	353	339	309	312	3,966	794	939
Other & Unknown	987	246	87	49	40	17	20	34	17	25	14	819	191	69
45-54 Total	5,353	1,260	1,543	1,599	1,313	734	595	669	706	629	641	4,800	1,066	1,255
Puerto Rican	726	209	323	347	306	156	119	133	140	133	125	615	167	249
Other Hispanic	528	98	106	123	79	45	33	29	55	32	41	480	83	91
Asian & Pacific Islande	50	10	10	14	6	4	4	2	3	1	6	48	8	9
Other White	1,945	336	360	369	293	127	112	111	117	109	116	1,869	311	325
Other Black	1,691	485	702	705	594	385	307	357	367	329	327	1,416	395	547
Other & Unknown	413	122	42	41	35	17	20	37	24	25	26	372	102	34
55 & OVER Total	2,141	484	588	591	477	294	254	292	295	282	282	1,885	416	487
Puerto Rican	209	69	96	117	105	54	51	46	63	60	73	174	51	74
Other Hispanic	192	54	61	68	48	20	16	23	20	26	20	172	47	49
Asian & Pacific Islande	22	-	3	7	6	4	3	6	3	2	3	17	-	3
Other White	861	133	145	135	89	40	33	41	41	52	42	808	123	132
Other Black	694	183	265	258	216	170	142	161	159	133	138	570	155	212
Other & Unknown	163	45	18	6	13	6	9	15	9	9	6	144	40	17

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 in 1999, 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.

* Beginning 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.

New York City, 1983-2002*

MALE								FEMALE											
1995	1996	1997	1998	1999	2000	2001	2002	1983-1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	
5,240	3,616	1,850	1,358	1,372	1,333	1,166	1,138	5,760	1,374	1,835	1,806	1,382	775	620	648	628	608	574	
1,082	784	401	253	265	285	240	239	1,175	268	399	432	321	170	128	139	128	129	120	
473	290	154	114	98	123	95	104	451	132	109	111	78	33	36	39	43	26	39	
52	23	16	10	11	11	7	11	20	7	5	2	4	4	2	2	2	1	3	
1,452	888	369	285	247	236	219	207	829	177	289	280	200	97	78	94	67	79	67	
2,083	1,543	874	651	674	629	552	538	2,853	673	991	958	760	457	362	358	379	359	334	
98	88	36	45	77	49	53	39	432	117	42	23	19	14	14	16	9	14	11	
12	7	2	1	1	1	1	-	107	13	20	2	6	3	1	-	2	-	1	
-	-	-	-	-	-	-	-	13	1	3	-	1	-	-	-	-	-	-	
1	-	-	-	-	-	1	-	11	2	-	-	-	-	-	-	-	-	1	
-	-	-	-	-	-	-	-	0	-	-	-	-	-	-	-	-	-	-	
3	4	-	1	-	-	-	-	10	1	5	-	1	-	-	-	-	-	-	
7	2	2	-	1	1	-	-	64	9	10	2	4	3	1	-	2	-	-	
1	1	-	-	-	-	-	-	9	-	2	-	-	-	-	-	-	-	-	
53	48	20	7	10	3	2	3	225	45	45	60	44	16	8	8	4	4	2	
9	9	5	2	-	-	-	-	43	7	6	11	7	3	1	-	1	-	-	
4	2	2	-	2	-	-	2	24	7	3	4	5	1	-	1	-	-	-	
-	-	-	-	-	-	-	-	2	-	-	1	-	-	-	-	-	-	-	
19	13	2	1	2	2	1	-	33	1	9	15	8	1	2	2	-	-	-	
21	22	10	4	6	1	1	1	103	27	26	28	23	11	5	5	2	4	2	
-	2	1	-	-	-	-	-	20	3	1	1	1	-	-	-	1	-	-	
38	15	12	8	7	8	9	11	219	32	39	34	18	11	12	14	14	15	9	
7	3	3	-	-	1	-	3	55	6	10	9	6	2	2	2	1	3	3	
5	2	2	1	-	-	1	2	15	4	4	4	3	-	-	1	2	1	1	
2	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	
8	3	2	1	-	-	-	2	33	5	3	5	1	-	1	1	1	1	-	
15	6	5	5	7	7	8	4	96	14	21	15	6	8	8	10	10	10	5	
1	1	-	1	-	-	-	-	18	3	1	1	2	1	1	-	-	-	-	
1,028	619	277	183	151	133	102	72	2,262	386	512	510	317	157	131	101	100	92	68	
237	148	61	29	34	30	15	10	514	72	121	130	72	34	26	22	25	16	14	
110	56	28	19	15	23	17	10	189	51	30	24	21	10	12	8	6	3	5	
16	3	5	1	1	-	1	1	5	2	2	-	2	-	1	1	1	-	-	
282	125	56	38	20	13	8	8	332	44	85	84	55	22	14	12	8	9	5	
366	276	122	90	76	62	58	41	1,065	186	263	268	166	88	76	56	58	59	42	
17	11	5	6	5	5	3	2	157	31	11	4	1	3	2	2	2	5	2	
2,308	1,517	754	498	489	456	387	383	2,138	636	830	811	617	345	280	278	239	251	240	
466	318	175	100	103	103	84	83	404	122	163	181	130	78	51	64	49	58	48	
192	121	63	52	42	40	27	41	144	46	45	49	31	16	17	16	20	13	20	
14	9	6	3	3	6	4	3	4	3	2	-	1	1	-	-	-	-	1	
682	396	165	118	104	95	80	67	292	91	139	130	100	51	42	48	26	38	34	
917	646	336	211	209	198	171	179	1,126	319	463	439	342	191	164	144	141	138	133	
37	27	9	14	28	14	21	10	168	55	18	12	13	8	6	6	3	4	4	
1,312	1,019	549	461	474	499	443	455	553	194	288	287	294	185	134	195	207	186	186	
269	229	120	83	88	102	98	86	111	42	74	78	77	36	36	45	38	35	39	
101	67	42	28	22	44	27	32	48	15	15	22	12	3	5	7	11	5	9	
14	5	3	4	2	3	-	6	2	2	1	-	1	1	-	-	-	1	-	
337	264	107	99	82	94	86	93	76	25	35	32	29	20	13	29	23	23	23	
552	421	262	230	250	234	211	215	275	90	155	153	173	123	77	107	133	118	112	
39	33	15	17	30	22	21	23	41	20	8	2	2	2	3	7	2	4	3	
489	391	236	200	240	233	222	214	256	68	101	102	86	58	54	52	62	60	68	
94	77	37	39	40	49	43	57	35	18	22	23	28	17	12	6	14	17	16	
60	42	17	14	17	16	22	17	20	7	12	8	6	3	2	6	4	4	3	
6	6	2	2	5	2	2	1	5	-	-	1	-	2	1	1	1	-	2	
121	83	37	27	39	32	44	37	53	10	13	14	6	3	6	2	9	8	5	
205	170	137	111	125	126	103	98	124	28	53	53	46	33	31	36	33	30	40	
3	13	6	7	14	8	8	4	19	5	1	3	-	-	2	1	1	1	2	

Table 21.

Characteristics of Decedents with Selected Causes* of Death, New York City, 2002

Cause of Death	Total	Percent of Total Deaths with Specified Characteristics									
		Ethnic Group						Male	Never Married	Age Under 20	Age 65 or Over
		Puerto Rican	Other Hispanic	Asian	Non-H White	Non-H Black	Other & Unknown				
All Causes.....	59,651	8.0	5.8	4.1	55.1	25.6	1.5	48.2	22.4	2.1	69.7
HIV Disease.....	1,712	21.0	8.4	0.8	16.0	50.9	2.9	66.5	61.6	0.8	4.7
Cancer of Trachea, Bronchus and Lung, Male.....	1,708	7.0	4.1	6.3	57.8	23.6	1.2	100.0	17.7	0.0	64.2
Cancer of Trachea, Bronchus and Lung, Female.....	1,413	4.7	4.1	3.8	63.1	23.1	1.1	0.0	16.9	0.0	69.1
Chronic Liver Disease & Cirrhosis.....	540	23.3	11.7	3.0	38.0	22.4	1.7	65.7	28.7	0.4	33.0
Use & Accidental Poisoning Psychoactive Substance ..	905	15.2	9.3	0.4	42.7	30.5	1.9	73.8	56.2	1.4	1.7
Motor Vehicle Accidents.....	414	8.0	12.8	6.0	43.0	28.7	1.4	70.8	45.4	11.4	27.1
Other Accidents.....	766	6.7	7.4	6.5	56.3	21.3	1.8	58.6	30.8	7.4	55.0
Intentional Self-harm (Suicide).....	495	6.5	9.7	8.3	58.0	16.0	1.6	73.9	51.7	4.2	14.7
Assault (Homicide).....	625	8.3	16.2	3.7	13.6	56.5	1.8	81.9	69.3	14.6	3.4
Events of Undetermined Intent.....	261	5.4	10.3	5.0	46.7	24.9	7.7	73.9	55.2	18.8	13.4
All Other Causes.....	50,812	7.4	5.5	4.1	57.1	24.5	1.4	45.4	19.4	1.9	75.9

Table 22.

Life Expectancy at Specified Ages by Sex and Ethnic Group, New York City, 1990 and 2000

Exact Age	Male							
	1990				2000*			
	Total	Hispanic	Non-Hispanic White	Non-Hispanic Black	Total	Hispanic	Non-Hispanic White	Non-Hispanic Black
0	67.7	70.5	70.0	60.0	74.5	76.1	74.9	69.1
1	67.6	70.0	70.1	60.3	74.0	75.4	74.5	69.0
5	63.8	66.2	66.2	56.5	70.1	71.4	70.6	65.1
10	58.8	61.2	61.3	51.6	65.2	66.5	65.7	60.2
15	53.9	56.3	56.4	46.7	60.2	61.5	60.8	55.3
20	49.4	51.7	51.6	42.4	55.4	56.6	55.9	50.6
25	45.0	47.4	46.9	38.3	50.7	51.9	51.2	46.1
30	40.7	43.4	42.3	34.4	46.0	47.1	46.4	41.6
35	36.7	39.8	38.1	30.9	41.3	42.5	41.7	37.2
40	33.1	36.5	34.1	28.0	36.8	37.9	37.1	32.9
45	29.4	33.2	30.1	25.0	32.4	33.6	32.7	28.8
50	25.7	29.6	26.2	21.8	28.3	29.5	28.5	25.2
55	22.1	26.1	22.3	18.8	24.4	25.6	24.4	21.8
60	18.6	22.5	18.7	15.9	20.6	21.8	20.5	18.4
65	15.4	19.1	15.3	13.2	17.0	18.2	16.9	15.3
70	12.4	16.1	12.2	10.9	13.8	14.9	13.6	12.6
75	9.7	13.2	9.5	8.8	10.8	12.0	10.6	10.2
80	7.3	10.5	7.1	7.0	8.2	9.4	7.9	8.2
85	5.5	8.2	5.2	5.4	6.1	7.3	5.7	6.6

Exact Age	Female							
	1990				2000*			
	Total	Hispanic	Non-Hispanic White	Non-Hispanic Black	Total	Hispanic	Non-Hispanic White	Non-Hispanic Black
0	77.0	81.7	77.9	72.2	80.2	82.6	80.4	76.5
1	76.9	81.2	77.9	72.5	79.7	81.9	79.9	76.2
5	73.1	77.4	74.0	68.7	75.8	77.9	76.0	72.3
10	68.1	72.4	69.1	63.9	70.8	72.9	71.1	67.4
15	63.2	67.5	64.1	58.9	65.9	68.0	66.1	62.4
20	58.3	62.6	59.2	54.1	61.0	63.0	61.2	57.5
25	53.5	57.9	54.3	49.4	56.1	58.1	56.4	52.7
30	48.8	53.2	49.5	44.8	51.2	53.2	51.4	47.9
35	44.2	48.7	44.8	40.6	46.4	48.4	46.6	43.3
40	39.8	44.2	40.1	36.5	41.7	43.7	41.8	38.8
45	35.3	39.6	35.5	32.4	37.1	39.1	37.2	34.4
50	30.9	35.2	31.0	28.3	32.6	34.5	32.6	30.3
55	26.6	30.9	26.6	24.3	28.3	30.0	28.2	26.3
60	22.6	26.6	22.6	20.6	24.1	25.7	23.9	22.4
65	18.8	22.6	18.7	17.3	20.1	21.5	19.9	18.8
70	15.2	18.8	15.1	14.2	16.4	17.7	16.1	15.5
75	12.0	15.3	11.8	11.4	12.9	14.1	12.6	12.5
80	9.0	11.9	8.7	8.8	9.7	10.8	9.4	9.8
85	6.4	8.8	6.2	6.5	7.0	7.9	6.7	7.3

Note: Three year (1999-2001) death data are used to estimate 2000 life expectancy to smooth the outcome. Life expectancy figures for 1990 are recalculated by using same methodology as 2000 and therefore the numbers are slightly different from the 1999 and earlier reports. See Technical Notes.

* World Trade Center (WTC) disaster deaths are not included. See Special Section for the impact of WTC deaths on life expectancy in New York City.

Table 23. Average Yearly Age-Sex-Specific Death Rates per 1,000 Population, New York City, 1909-2001

Age	1909-1911		1919-1920		1929-1931		1939-1941		1949-1951		1959-1961		1969-1971		1979-1981		1989-1991		1999-2001*	
	Male	Female	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	1.9	1.5
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	0.2	0.1
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	0.2	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	0.7	0.3
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	1.2	0.4
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	1.2	0.5
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	1.6	0.8
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	2.4	1.4
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	3.9	2.1
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	6.1	3.1
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	8.1	4.2
55-59	37.0	28.8	30.1	24.8	32.0	23.4	25.9	17.5	22.6	12.8	19.7	9.8	19.8	9.9	15.6	8.4	14.5	7.6	11.2	6.3
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	15.6	9.4
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	23.5	14.5
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	34.4	21.2
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	52.3	33.9
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	80.6	55.3
85 & Over	257.4	232.3	224.8	210.2	242.8	227.5	230.5	222.2	202.8	183.8	206.6	198.3	167.0	155.6	185.2	154.2	169.6	142.9	150.9	130.2

Note: Rates for 1979-1981, 1989-1991, and 1999-2001 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.

* WTC deaths are not included.

Table 24. Average Yearly Age-Sex-Race Adjusted Death Rates for Selected Causes per 100,000 Population New York City, 1901-2001

Cause of Death	1901-1903	1909-1911	1919-1920	1929-1931	1939-1941	1949-1951	1959-1961	1969-1971	1979-1981	1989-1991	1999-2001**
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	799.6
Influenza and pneumonia	302.8	260.8	301.7	178.6	60.3	30.7	36.4	29.0	15.2	22.2	33.2
Malignant neoplasms	116.8	124.8	134.3	156.0	176.9	170.6	162.9	161.2	126.0	128.0	178.4
Colon, rectum and anus	*	*	*	*	*	*	*	*	*	*	21.3
Trachea, bronchus and lung	*	*	*	*	*	*	*	*	*	*	40.8
Breast	*	*	*	*	*	*	*	*	*	*	16.7
Prostate	*	*	*	*	*	*	*	*	*	*	10.7
Diabetes mellitus	23.3	25.4	26.5	35.8	43.6	17.0	14.8	15.9	10.3	7.1	22.9
Nephritis, nephrotic syndrome and nephrosis	244.8	181.9	141.6	63.3	52.6	6.7	5.5	3.5	2.3	4.9	11.1
Major cardiovascular diseases	258.6	383.2	427.7	506.7	421.1	404.8	355.8	306.6	239.1	228.7	372.9
Chronic liver disease and cirrhosis	*	*	*	*	*	*	*	*	23.5	11.8	7.8
Chronic lower respiratory diseases	*	*	*	*	*	*	*	*	9.3	13.1	23.0
HIV disease	*	*	*	*	*	*	*	*	*	56.6	23.6
Total accidents	108.2	87.8	73.8	81.3	55.9	38.4	28.1	22.7	18.2	21.6	20.6
Motor vehicle accidents	*	*	14.9	22.6	12.8	7.3	7.7	11.0	8.4	9.4	3.4
Other accidents	*	*	58.9	58.7	43.1	31.0	20.3	11.6	9.8	12.1	17.2
Intentional self-harm (suicide)	26.8	21.2	14.1	21.3	14.3	9.7	9.2	6.4	9.4	9.0	5.4
Assault (homicide)	3.6	5.1	6.2	8.0	4.4	4.0	5.3	14.0	21.8	22.6	8.3

Note: Rates for 1979-1981, 1989-1991, and 1999-2001 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.

For 1901-1903 and 1909-1911 rates are adjusted for age and sex. For years before 1999, rates are adjusted for age, sex and race (white and others). Standard is United States population, 1940.

* Data are not available or not applicable.

** For 1999-2001 rates are adjusted only for age. A 2000 US standard population is used to calculate age-adjusted death rates. WTC deaths are not included. See Technical Notes.

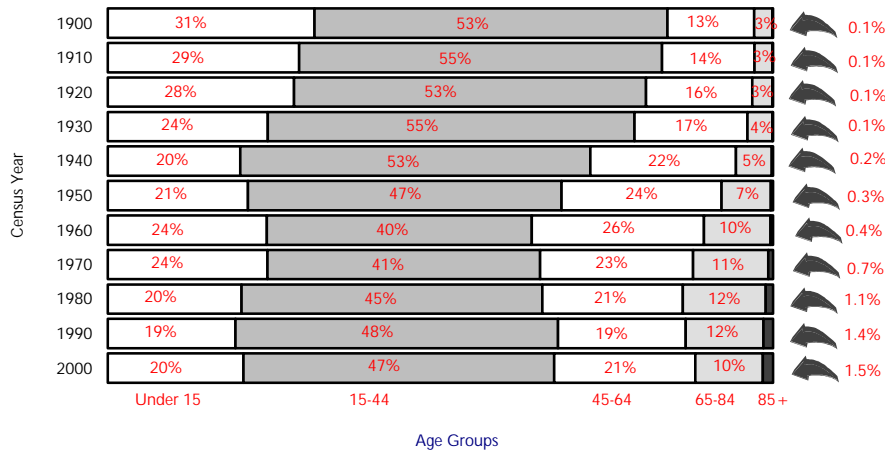


Figure 2. Age Composition of the Population New York City, 1900-2000

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 the 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 II 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 to 34.2 years.

Figure 3. 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 1980s, compared to births in the first half of the 1990s.

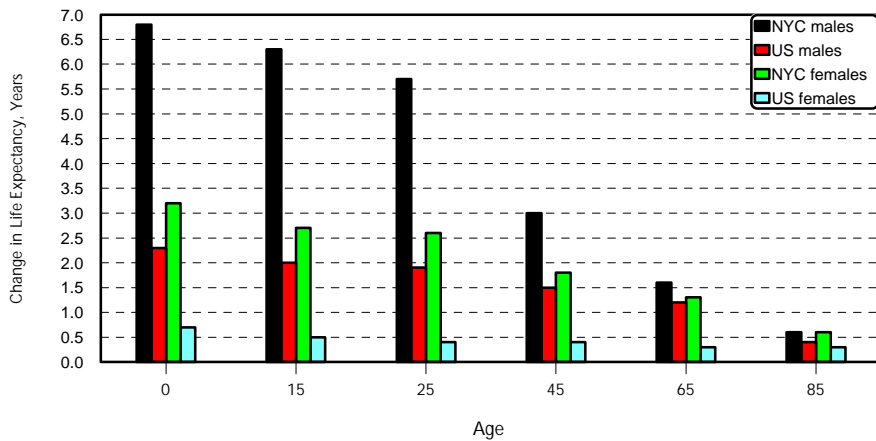
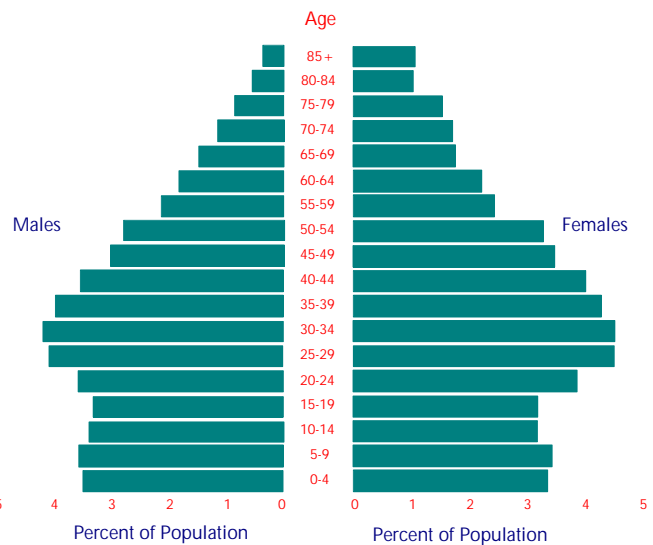


Figure 4. Changes in Life Expectancy at Selected Ages by Sex, 1990 and 2000 New York City and United States

Between 1990 and 2000, in contrast to the prior decade, life expectancy for male New York City residents at birth, at ages 15 and 25 increased substantially. The increases are 6.8, 6.3, and 5.7 years respectively. Contributing factors include declines in infant mortality, HIV, and homicide deaths. Life expectancy for all United States males at these ages also increased but at lower rates, from 1.9 to 2.3 years. Life expectancy for New York City females increased more than for all United States females. At selected older ages New York City male residents also showed greater increases in life expectancy than did males nationwide but not as much as younger ages. Nationwide, females had a small increase in life expectancy at all ages. Note: Calculations exclude World Trade Center deaths.

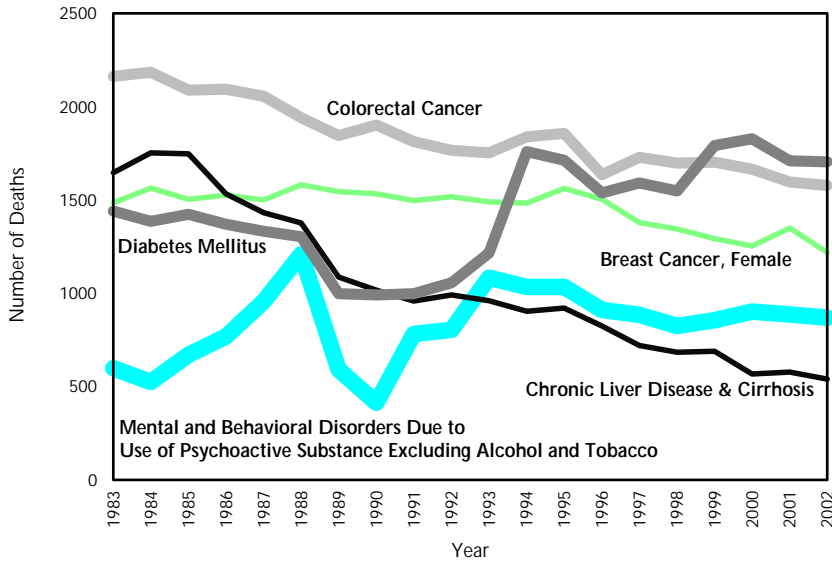


Figure 5. Number of Deaths from Selected Natural Causes
New York City, 1983-2002

The number of colorectal cancer deaths declined in the past two decades, from 2,161 to 1,577. The number of women died from breast cancer had stayed at 1,500 level until 1997 when the number started to decrease. In 2002 the number was 1,218. The number of chronic liver disease and cirrhosis deaths had a steady decline except during 1984 and 1985. Deaths from diabetes mellitus declined in 1980's, but had a surge in the beginning of 1990's, then have stayed at that level for past several years.

The Ninth Revision of the International Classification of Diseases (ICD-9) was used to code causes of death in 1979-1998. ICD-10 was implemented in 1999. The preliminary comparability ratios for the ICD-9 to ICD-10 conversion are listed in Table 4.

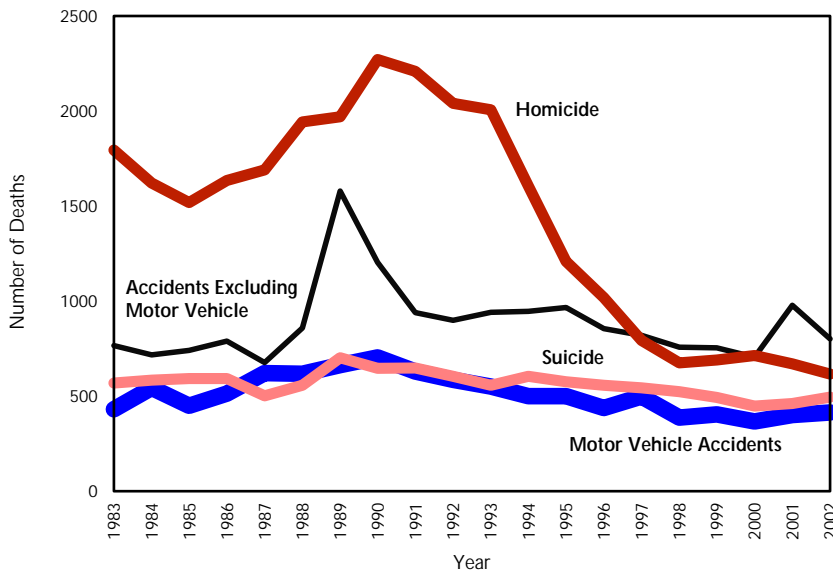


Figure 6. Number of Deaths from Selected External Causes
New York City, 1983-2002

The number of homicide deaths in New York City declined steadily between 1990 and 1998, and again between 2000 and 2002 after a small rise from 1998 to 2000. Overall, homicide deaths dropped about two-thirds since they peaked in 1990. Suicide deaths declined slightly in the last two decades, from 570 in 1983 to 495 in 2002; suicide deaths peaked in 1989.

The surge of accidental deaths in 2001 was caused by the Flight 587 air crash. 265 deaths from the crash are included in the total accidental deaths.

The Ninth Revision of the International Classification of Diseases (ICD-9) was used to code causes of death in 1979-1998. ICD-10 was implemented in 1999. The preliminary comparability ratios for the ICD-9 to ICD-10 conversion are listed in Table 4.

All reported WTC deaths are homicides and not included in this graph for the year of 2001. See Special Section for detailed statistics on WTC deaths.

Table 25.

Deaths and Crude Death Rates per 100,000 Population from

Cause (ICD-10 Code (1))	ANNUAL											
	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
Rate per 1,000 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	694	745	694	664	689	651	608	372	255	178	115	102
Maternal causes *** (A34,O00-O96,O98-O99)	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
Rate	**	**	**	**	**	**	**	**	**	**	2.9	2.2
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
Rate	**	**	**	**	**	**	**	**	**	**	21.9	22.2
Trachea, bronchus and lung, female (C33-C34)	**	**	**	**	**	**	**	**	**	**	220	179
Rate	**	**	**	**	**	**	**	**	**	**	5.5	4.4
Breast, female (C50)	**	**	**	**	**	**	**	**	**	**	1,429	1,476
Rate	**	**	**	**	**	**	**	**	**	**	35.9	36.4
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	**	**	**	**	**	**	**	**	**	**	**	**

(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. From 1987 through 1998, HIV infections were coded 042-044. Under ICD-10, beginning 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.

* World Trade Center (WTC) deaths are not included in 2001. See Special Section for detailed statistics on WTC deaths.

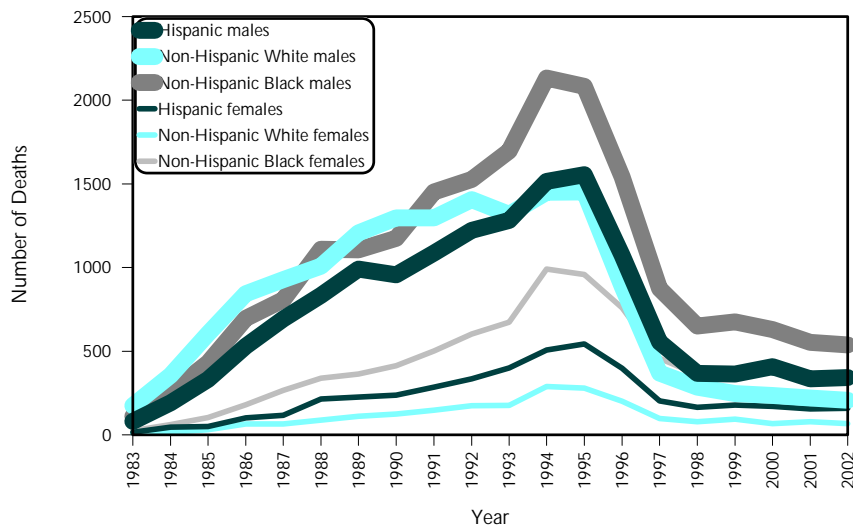
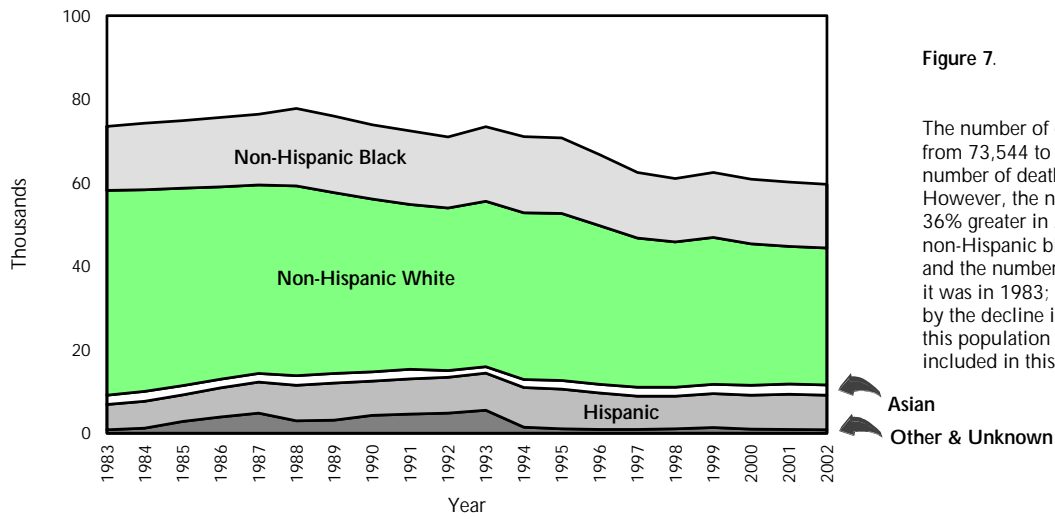
** Data are not available or not applicable.

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

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

Selected Causes, New York City, 1901-2002*

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	2001*	2002		
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	760	742		
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	6.1	6.0		
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	524	497		
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	4.2	4.0		
2,909	2,922	2,351	1,480	1,131	927	972	896	783	769	660	657	528	459	475	474	455	409	379		
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	3.3	3.1		
2,362	2,276	1,885	1,288	835	719	698	648	970	692	589	533	580	507	505	490	507	444	460		
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	4.0	3.6	3.7		
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	6.9	6.8		
**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	26	34	43	32	
																21.0	27.1	34.7	26.0	
107	109	73	36	28	33	29	24	30	20	29	26	22	17	16	24	30	41	32		
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	33.1	26.0		
824	624	432	235	141	125	174	197	155	135	113	75	46	44	33	37	37	30	26	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	0.4	0.3		
52	43	39	32	22	35	55	57	45	31	20	19	21	11	19	12	7	3	4	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	0.0	0.0		
**	**	**	**	**	**	768 (5)	3,703	5,228	5,789	6,120	7,102	7,046	4,998	2,625	1,978	2,020	1,961	1,774	1,712	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	22.2	21.4	
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	14,041	13,742	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	175.3	171.6		
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	1,746	1,708	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	46.0	45.0		
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	1,426	1,413	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	33.8	33.5		
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	1,348	1,218	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	32.0	28.9		
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	1,710	1,704	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	21.4	21.3		
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	27,407	27,638	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	342.2	345.1		
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	1,887	1,854	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	23.6	23.2		
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	2,505	2,508	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	31.3	31.3		
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	2,118	2,092		
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	26.4	26.1		
1,858	2,386	2,936	2,440	2,185	1,789	1,289	958	990	959	903	921	825	720	684	689	568	578	540	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	7.2	6.7		
573	509	447	372	381	383	816	450	327	327	238	213	296	378	413	882	853	800	711	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	10.0	8.9		
96	263	551	677	414	573	787	781	803	1,083	1,033	1,033	909	885	825	855	902	887	869		
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	11.1	10.9		
**	**	**	**	**	**	1	143	59	55	62	35	32	36	19	18	26	30	22	36	
						(6)	2.0	0.8	0.8	0.8	0.5	0.4	0.5	0.3	0.2	0.4	0.4	0.3	0.4	
655	714	887	834	606	477	624	631	586	551	500	501	438	499	387	404	368	402	414	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	5.0	5.2		
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	956	766		
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	11.9	9.6		
711	908	680	641	711	603	600	649	605	558	605	577	557	545	524	494	448	462	495	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	5.8	6.2		
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	670	616	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	8.4	7.7		
**	**	946	1,062	699	696	504	144	141	200	176	146	153	159	135	153	155	206	261		
**	**	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	2.6	3.3		
**	**	**	**	**	**	**	76	73	78	94	101	77	74	82	132	211	172	230	1.55	
**	**	**	**	**	**	**	1.0	1.0	1.1	1.3	1.4	1.1	1.0	1.1	1.8	2.6	2.1	2.9		
**	**	**	**	**	**	**	247	273	253	291	282	273	235	250	244	213	215	205	0.89	
							3.4	3.7	3.5	4.0	3.9	3.7	3.2	3.4	3.3	2.7	2.7	2.6		



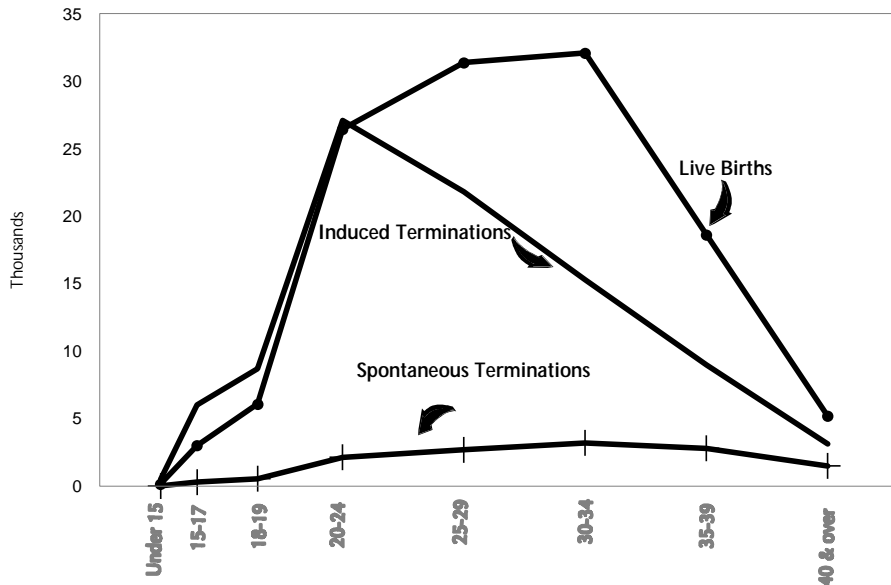


Figure 9. Live Births, Induced Terminations and Spontaneous Terminations of Pregnancy by Age of Woman
New York City, 2002

Over 228,000 pregnancy outcomes were reported in New York City in 2002. About 54% were live births, 40% 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 termination than a live birth or spontaneous termination. The number of induced and spontaneous terminations reported to the Department of Health and Mental Hygiene depends to some extent on active surveillance, notwithstanding that all terminations, not just those of a certain gestational age or weight, are required to be reported.

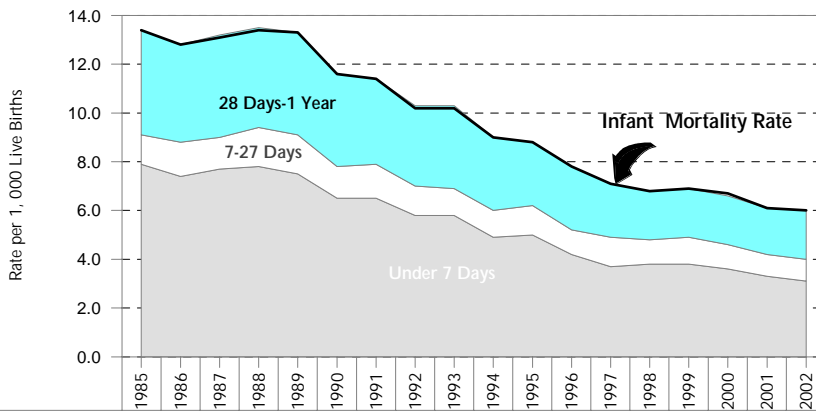


Figure 10. Infant, Neonatal and Post-neonatal Mortality Rates
New York City, 1985-2002

The New York City Infant Mortality Rate continued to decline in 2002, reaching the historic low level of 6.0 deaths per 1,000 live births. Deaths in the early neonatal period after birth (under seven days) declined from 3.3 to 3.1 per 1,000 live births. Late neonatal (seven to twenty-seven days), and post-neonatal deaths (28 days to under one year) IMR stayed at about the same level as 2001. From 1990 to 2002, the rates of both early neonatal deaths and post-neonatal deaths declined by about half, while the rate for late neonatal deaths declined by about 30 percent.

Table 26.

**Live Births, Spontaneous and Induced Terminations of Pregnancy
by Borough of Residence and Age of Woman
New York City, 2002**

Borough of Residence / Pregnancy Outcome	Total	Age of Woman								Unknown or Not Stated
		Under 15	15-17	18-19	20-24	25-29	30-34	35-39	40 & Over	
NEW YORK CITY	228,007	670	9,320	15,316	55,641	55,847	50,572	30,403	9,820	418
Live Births	122,937	151	3,013	6,076	26,434	31,368	32,079	18,620	5,196	-
Spontaneous Terminations	13,270	13	291	550	2,131	2,689	3,208	2,794	1,498	96
Induced Terminations	91,800	506	6,016	8,690	27,076	21,790	15,285	8,989	3,126	322
MANHATTAN	34,025	91	1,315	2,033	7,273	7,290	8,504	5,521	1,960	38
Live Births	19,583	29	430	830	3,212	3,983	5,992	3,861	1,246	-
Spontaneous Terminations	1,911	1	35	65	220	285	509	467	321	8
Induced Terminations	12,531	61	850	1,138	3,841	3,022	2,003	1,193	393	30
BRONX	44,978	170	2,534	3,837	12,957	11,337	8,187	4,527	1,346	83
Live Births	21,168	31	888	1,655	5,802	5,586	4,311	2,303	592	-
Spontaneous Terminations	2,623	6	98	163	558	566	522	481	210	19
Induced Terminations	21,187	133	1,548	2,019	6,597	5,185	3,354	1,743	544	64
BROOKLYN	73,875	220	3,087	5,135	19,732	18,842	14,942	8,808	2,953	156
Live Births	39,031	44	1,031	2,082	9,965	10,586	8,819	5,085	1,419	-
Spontaneous Terminations	4,380	4	99	195	802	948	1,025	800	461	46
Induced Terminations	30,464	172	1,957	2,858	8,965	7,308	5,098	2,923	1,073	110
QUEENS	48,388	121	1,646	3,017	11,286	12,704	11,114	6,436	1,965	99
Live Births	27,272	35	529	1,182	5,772	7,737	7,218	3,825	974	-
Spontaneous Terminations	2,544	1	41	90	409	591	592	535	274	11
Induced Terminations	18,572	85	1,076	1,745	5,105	4,376	3,304	2,076	717	88
RICHMOND	9,225	22	335	518	1,720	2,247	2,530	1,444	394	15
Live Births	5,812	5	104	195	869	1,541	1,913	962	223	-
Spontaneous Terminations	769	1	14	23	89	159	224	183	69	7
Induced Terminations	2,644	16	217	300	762	547	393	299	102	8
NON-RESIDENTS	17,163	45	387	745	2,579	3,346	5,224	3,627	1,186	24
Live Births	10,065	7	31	131	814	1,935	3,823	2,583	741	-
Spontaneous Terminations	1,037	-	4	14	51	140	334	328	163	3
Induced Terminations	6,061	38	352	600	1,714	1,271	1,067	716	282	21
RESIDENCE UNKNOWN	353	1	16	31	94	81	71	40	16	3
Live Births	6	-	-	1	-	-	3	1	1	-
Spontaneous Terminations	6	-	-	-	2	-	2	-	-	2
Induced Terminations	341	1	16	30	92	81	66	39	15	1

Table 27.

**Spontaneous Terminations of Pregnancy by Gestation and Age of Woman
New York City, 2002**

Gestation in Weeks	Total	Age of Woman								Unknown or Not Stated
		Under 15	15-17	18-19	20-24	25-29	30-34	35-39	40 & Over	
Total	13,270	13	291	550	2,131	2,689	3,208	2,794	1,498	96
Under 13	8,860	9	168	336	1,319	1,763	2,164	1,953	1,099	49
13-15	1,329	3	52	79	255	265	294	240	132	9
16-19	989	-	27	43	178	191	243	223	77	7
20-27	813	-	18	45	140	177	212	144	73	4
28 & Over	460	-	11	17	91	103	111	80	45	2
Not Stated	819	1	15	30	148	190	184	154	72	25

**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, 2002**

Borough of Residence / Pregnancy Outcome	Total	Borough of Occurrence				
		Manhattan	Bronx	Brooklyn	Queens	Richmond
NEW YORK CITY	215,197	80,121	29,664	53,017	45,576	6,819
Live Births	122,937	41,304	17,529	32,260	25,294	6,550
Spontaneous Terminations	460	110	79	152	95	24
Induced Terminations	91,800	38,707	12,056	20,605	20,187	245
MANHATTAN	32,176	29,852	1,216	581	510	17
Live Births	19,583	18,853	438	171	107	14
Spontaneous Terminations	62	58	3	1	-	-
Induced Terminations	12,531	10,941	775	409	403	3
BRONX	42,440	14,766	26,435	507	719	13
Live Births	21,168	4,621	16,169	166	199	13
Spontaneous Terminations	85	10	72	3	-	-
Induced Terminations	21,187	10,135	10,194	338	520	-
BROOKLYN	69,666	16,752	352	46,841	4,714	1,007
Live Births	39,031	7,094	97	29,459	1,385	996
Spontaneous Terminations	171	26	-	137	5	3
Induced Terminations	30,464	9,632	255	17,245	3,324	8
QUEENS	45,947	8,165	403	2,593	34,733	53
Live Births	27,272	4,856	139	1,468	20,758	51
Spontaneous Terminations	103	8	1	9	83	2
Induced Terminations	18,572	3,301	263	1,116	13,892	-
RICHMOND	8,476	1,520	43	1,475	131	5,307
Live Births	5,812	245	7	470	33	5,057
Spontaneous Terminations	20	-	-	1	-	19
Induced Terminations	2,644	1,275	36	1,004	98	231
NON-RESIDENTS	16,145	8,977	1,170	931	4,647	420
Live Births	10,065	5,635	676	525	2,810	419
Spontaneous Terminations	19	8	3	1	7	-
Induced Terminations	6,061	3,334	491	405	1,830	1
RESIDENCE UNKNOWN	347	89	45	89	122	2
Live Births	6	-	3	1	2	-
Spontaneous Terminations	0	-	-	-	-	-
Induced Terminations	341	89	42	88	120	2

**Table 29. Induced Terminations of Pregnancy by Selected Characteristics and Age of Woman
New York City, 2002**

	Total	Age of Woman								
		Under 15	15-17	18-19	20-24	25-29	30-34	35-39	40 & Over	Not Stated
Induced Termination of Pregnancy, All	91,800	506	6,016	8,690	27,076	21,790	15,285	8,989	3,126	322
Ethnic Group										
Hispanic	30,098	181	2,173	3,142	9,804	7,290	4,357	2,362	688	101
Asian and Pacific Islander	5,097	10	163	340	1,223	1,289	1,048	706	296	22
White Non-Hispanic	9,903	25	421	735	2,479	2,354	1,989	1,255	612	33
Black Non-Hispanic	43,912	283	3,103	4,236	12,815	10,220	7,381	4,331	1,391	152
Other	526	1	21	57	147	107	99	70	19	5
Not Stated	2,264	6	135	180	608	530	411	265	120	9
Marital Status										
Married	14,476	7	70	226	2,255	3,682	4,017	2,981	1,174	64
Not Married	75,461	483	5,832	8,308	24,361	17,661	10,939	5,792	1,874	211
Not Stated	1,863	16	114	156	460	447	329	216	78	47
Gestation Age										
6 Weeks or Less	27,331	69	1,205	2,001	7,686	7,124	5,146	2,934	1,059	107
7 - 8 Weeks	30,128	110	1,564	2,507	8,633	7,514	5,465	3,184	1,040	111
9 - 10 Weeks	14,623	101	1,061	1,571	4,484	3,282	2,269	1,339	472	44
11 - 12 Weeks	7,389	58	701	930	2,353	1,605	961	560	195	26
13 - 15 Weeks	4,560	48	524	606	1,520	856	540	345	109	12
16 - 20 Weeks	4,752	71	599	727	1,522	799	507	361	151	15
21 or More Weeks	1,965	47	300	281	579	328	226	150	49	5
Not Stated	1,052	2	62	67	299	282	171	116	51	2
Type of Termination Procedures										
Suction Curettage	71,999	318	4,281	6,468	20,928	17,561	12,420	7,262	2,515	246
Sharp Curettage / D+C	4,249	23	241	331	1,250	1,054	752	434	152	12
Dilatation and Evacuation	9,949	152	1,238	1,420	3,193	1,755	1,123	755	283	30
Intrauterine Instillation	290	1	23	45	91	64	38	21	7	-
Hysterotomy / Hysterectomy	2	-	-	-	1	-	1	-	-	-
Medical (Non-Surgical)	4,519	5	162	363	1,397	1,194	801	434	133	30
Other	62	-	2	5	7	13	19	10	5	1
Not Stated	730	7	69	58	209	149	131	73	31	3

**Table 29a. Induced Terminations of Pregnancy by Woman's Marital Status, Age, and Ethnic Group
New York City, 1993 - 2002**

	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
Marital Status (percent)										
Married	22.1	22.0	20.0	19.9	19.1	19.3	17.9	16.4	15.8	15.8
Not Married	75.1	76.6	77.6	74.4	78.2	78.3	79.3	81.0	81.6	82.2
Unknown	2.9	1.5	2.4	5.7	2.7	2.4	2.9	2.6	2.6	2.0
Age of Woman										
< 15	866	821	669	786	696	704	672	601	564	506
15-19	18,597	17,804	16,481	18,571	17,056	16,922	16,525	15,497	14,999	14,706
20-24	33,883	31,090	27,678	31,155	28,804	29,736	29,857	27,799	27,100	27,076
25-29	27,627	25,850	23,571	27,452	24,868	25,504	24,758	22,502	21,549	21,790
30-34	17,763	16,938	15,699	18,375	17,078	17,662	17,337	15,735	15,376	15,285
35-39	8,850	8,624	8,351	9,829	9,312	9,938	9,875	9,193	8,981	8,989
40+	2,477	2,485	2,434	2,871	2,796	3,156	3,138	2,953	2,922	3,126
Unknown	372	288	322	334	316	360	172	186	301	322
Ethnic Group										
Hispanic	30,617	29,462	26,698	29,253	28,965	31,895	32,826	31,118	29,684	30,098
Asian and Pacific Islander:	3,217	3,183	3,279	4,112	4,317	5,198	4,969	4,873	4,977	5,097
Non-Hispanic, White	15,871	14,646	12,712	14,598	12,037	12,365	11,833	10,438	10,220	9,903
Non-Hispanic, Black	58,612	54,245	48,117	52,026	47,072	48,799	48,245	45,150	44,213	43,912
Others	252	657	790	523	469	713	749	532	603	526
Unknown	1,866	1,707	3,609	8,861	8,066	5,012	3,712	2,355	2,095	2,264
Total	110,435	103,900	95,205	109,373	100,926	103,982	102,334	94,466	91,792	91,800

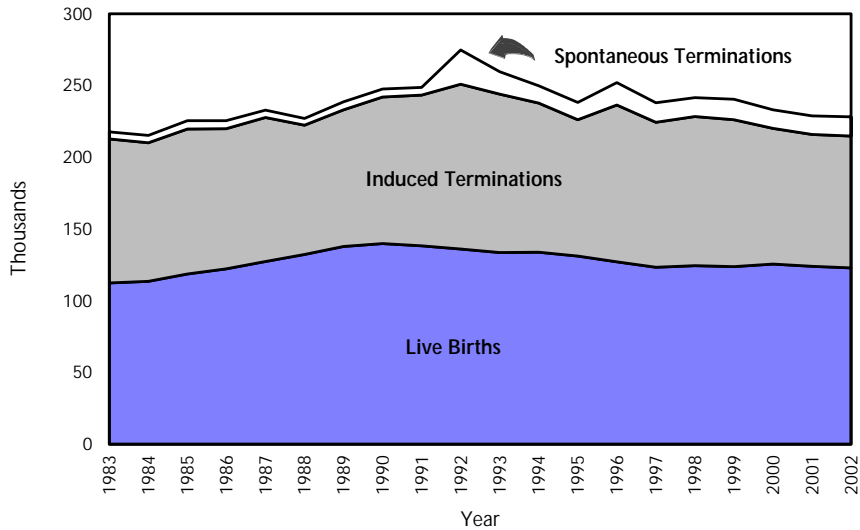


Figure 11. Number of Live Births, Induced Terminations and Spontaneous Terminations New York City, 1983-2002

The number of live births increased in the 1980s and reached a peak in 1990 during last two decades. Since then the number has been declining at a slow pace. The number of Induced terminations had a similar pattern except its peak was 1992. The number of spontaneous terminations also peaked in 1992.

The number of induced and spontaneous terminations reported to the Department of Health and Mental Hygiene depends to some extent on active surveillance, notwithstanding that all terminations, not just those of a certain gestational age or weight, are required to be reported. Increased active surveillance caused a sustained increase in the number of spontaneous terminations reported, beginning in 1992.

Table 30.

**Live Births by Ancestry of Mother and Borough of Residence
New York City, 2002**

Ancestry of Mother	Total	Borough of Residence						
		Manhattan	Bronx	Brooklyn	Queens	Staten Island	Non-Residents	Residence Unknown
Total	122,937	19,583	21,168	39,031	27,272	5,812	10,065	6
Puerto Rican	10,678	1,467	4,777	2,348	1,225	465	395	1
Dominican	10,267	3,156	3,999	1,391	1,431	58	232	–
Colombian	1,469	73	59	147	1,074	35	81	–
Ecuadorian	3,330	328	411	637	1,833	38	83	–
Mexican	7,104	995	1,430	2,204	2,002	399	74	–
Cuban	288	75	60	37	64	15	37	–
Other Hispanic	6,771	547	1,181	2,303	2,261	159	320	–
African-American	17,479	2,064	4,492	6,873	2,829	593	624	4
American	5,424	1,534	221	1,848	452	274	1,095	–
Guyanese	2,248	30	244	807	1,099	11	57	–
Haitian	1,724	78	45	1,100	387	9	105	–
Jamaican	2,966	78	741	1,231	763	21	132	–
Trinidadian	1,607	36	95	924	497	19	36	–
Other North, Central and South American	3,048	204	299	1,999	357	46	143	–
English	834	416	11	158	61	24	164	–
German	1,807	591	42	258	245	172	499	–
Irish	3,275	733	156	433	538	483	931	1
Italian	5,352	574	241	926	754	1,660	1,197	–
Polish	1,317	218	15	479	323	98	184	–
Russian	2,186	517	22	805	403	110	329	–
Other European	5,347	1,299	381	1,414	1,059	364	830	–
Asian Indian	2,000	180	125	167	1,176	92	260	–
Bangladeshi	1,461	62	167	317	898	4	13	–
Chinese	6,290	1,616	109	2,208	1,928	97	332	–
Filipino	860	121	78	108	368	65	120	–
Korean	920	162	29	55	514	24	136	–
Pakistani	1,352	34	69	621	501	55	72	–
Other Asian	3,693	661	234	1,208	1,097	167	326	–
Jewish or Hebrew	7,019	622	82	4,785	404	137	989	–
Other and Not Stated	4,821	1,112	1,353	1,240	729	118	269	–

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, 2002**

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	122,937	151	3,013	6,076	26,434	31,368	32,079	18,620	5,196	0
Puerto Rican	10,678	23	647	1,029	3,158	2,550	1,966	1,033	272	–
Other Hispanic	29,229	55	1,057	2,027	8,118	7,869	6,161	3,209	733	–
Asian and Pacific Islander	15,396	1	44	217	2,510	4,897	4,864	2,311	552	–
Non-Hispanic White	36,445	2	157	546	5,242	8,404	12,116	7,578	2,400	–
Non-Hispanic Black	30,690	68	1,104	2,241	7,302	7,496	6,851	4,420	1,208	–
Other	324	1	2	9	69	110	71	48	14	–
Not Stated	175	1	2	7	35	42	50	21	17	–

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, 2002**

	Total	Age of Mother								
		Under 15	15-17	18-19	20-24	25-29	30-34	35-39	40 & Over	Not Stated
Total Live Births	122,937	151	3,013	6,076	26,434	31,368	32,079	18,620	5,196	--
Sex										
Male	62,843	83	1,512	3,118	13,436	16,142	16,389	9,470	2,693	--
Female	60,094	68	1,501	2,958	12,998	15,226	15,690	9,150	2,503	--
Birth Order This Child (Live Births Only)										
First	54,725	147	2,764	4,853	14,973	12,863	12,017	5,556	1,552	--
Second	37,233	4	240	1,035	8,048	10,167	10,417	5,859	1,463	--
Third	17,823	--	9	168	2,572	4,967	5,360	3,798	949	--
Fourth	6,875	--	--	18	632	2,083	2,149	1,559	434	--
Fifth	2,984	--	--	2	163	854	999	711	255	--
Sixth or higher	3,297	--	--	--	46	434	1,137	1,137	543	--
Weight at Delivery in Grams										
Under 500	138	--	3	12	16	34	35	30	8	--
500-999	816	3	29	48	144	189	207	159	37	--
1000-1499	1,089	3	40	49	206	245	295	166	85	--
1500-1999	1,994	5	47	121	385	453	486	364	133	--
2000-2499	6,383	11	211	378	1,375	1,418	1,542	1,092	356	--
2500-2999	23,193	42	758	1,464	5,368	5,642	5,597	3,290	1,032	--
3000-3499	48,033	51	1,223	2,501	10,928	12,507	12,245	6,745	1,833	--
3500-3999	31,724	30	581	1,269	6,371	8,384	8,792	5,013	1,284	--
4000-4499	8,208	5	111	206	1,434	2,147	2,453	1,488	364	--
4500-4999	1,226	1	9	26	184	326	379	248	53	--
5000 & over	132	--	1	2	23	23	48	24	11	--
Not stated	1	--	--	--	--	--	--	1	--	--
Plurality										
Single	118,265	145	2,976	5,935	25,785	30,328	30,734	17,575	4,787	--
Twin	4,451	6	37	135	624	995	1,289	978	387	--
Triplet	206	--	--	6	21	36	54	67	22	--
Quadruplet	10	--	--	--	4	4	2	--	--	--
Quintuplet	5	--	--	--	--	5	--	--	--	--
Apgar Score at 5 Minutes *										
6 or less	1,010	3	26	67	209	240	240	167	58	--
7	995	--	30	64	180	223	272	164	62	--
8	4,950	15	141	260	970	1,166	1,277	820	301	--
9	108,081	127	2,651	5,327	23,508	27,819	28,138	16,120	4,391	--
10	7,718	6	155	347	1,523	1,886	2,108	1,315	378	--
Not stated	183	--	10	11	44	34	44	34	6	--
Place of Birth										
Home	392	--	8	17	90	91	89	70	27	--
Voluntary Hospital, Private Service	60,668	29	546	1,232	8,190	14,777	19,985	12,367	3,542	--
Voluntary Hospital, General Service	38,668	79	1,566	3,094	11,527	10,328	7,371	3,710	993	--
Municipal Hospital	22,693	42	878	1,711	6,519	6,041	4,489	2,389	624	--
Birthing Center	405	1	11	16	86	109	115	58	9	--
Other	111	--	4	6	22	22	30	26	1	--
Attendant										
Physician	110,606	134	2,521	5,157	22,741	28,120	29,625	17,402	4,906	--
Certified Nurse Midwife	11,978	16	472	884	3,597	3,163	2,378	1,182	286	--
Other	353	1	20	35	96	85	76	36	4	--
Financial Coverage										
Medicaid	63,462	116	2,415	4,870	19,284	17,110	11,961	6,133	1,573	--
HMO	17,902	15	208	392	2,316	4,346	5,927	3,635	1,063	--
Third Party	38,136	14	285	598	4,065	9,118	13,357	8,342	2,357	--
Self	3,294	5	102	206	733	760	802	497	189	--
Not stated	143	1	3	10	36	34	32	13	14	--
First Visit for Prenatal Care										
First Trimester (1-3 months)	83,310	63	1,392	3,330	16,004	21,249	23,630	13,856	3,786	--
Second Trimester (4-6 months)	26,150	37	1,053	1,813	7,053	6,764	5,462	3,046	922	--
Late (7-9 months)	7,093	32	361	588	1,860	1,752	1,500	776	224	--
No Care	749	5	42	51	202	150	147	119	33	--
Not stated	5,635	14	165	294	1,315	1,453	1,340	823	231	--
Marital Status of Mother										
Not Married	53,057	146	2,851	5,175	16,417	13,015	8,969	5,039	1,445	--
Married	69,880	5	162	901	10,017	18,353	23,110	13,581	3,751	--
Years of Education										
None	375	1	6	21	65	103	105	43	31	--
1-11	28,177	148	2,653	2,993	8,230	6,550	4,556	2,393	654	--
12	38,136	--	333	2,435	10,738	10,164	8,395	4,822	1,249	--
13 & over	55,754	--	4	601	7,279	14,410	18,902	11,315	3,243	--
Not stated	495	2	17	26	122	141	121	47	19	--
Birthplace of Mother										
United States other than Puerto Rico	56,165	110	1,922	3,532	12,334	12,482	14,562	8,649	2,574	--
Puerto Rico	2,230	3	94	160	641	534	406	301	91	--
Foreign	63,926	35	977	2,349	13,311	18,194	16,972	9,586	2,502	--
Not stated	616	3	20	35	148	158	139	84	29	--
Spontaneous Terminations of Pregnancy, 28 weeks & Over										
Total	460	--	11	17	91	103	111	80	45	2
Sex										
Male	218	--	5	12	38	58	53	35	15	2
Female	178	--	5	3	40	32	47	33	18	--
Undetermined	64	--	1	2	13	13	11	12	12	--
Weight at Delivery in Grams										
Under 500	25	--	1	--	4	5	6	2	7	--
500-999	44	--	1	2	10	5	13	10	2	1
1000-1499	46	--	3	2	8	16	8	5	4	--
1500-1999	50	--	1	3	11	15	5	10	5	--
2000-2499	49	--	--	1	8	14	16	7	3	--
2500 & over	126	--	3	3	22	30	33	24	10	1
Not stated	120	--	2	6	28	18	30	22	14	--

* In previous years, the 1 minute Apgar Score was presented, although it was incorrectly labeled as "Apgar Score at 5 Minutes".

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, 2002**

	Total	Ethnic Group of Mother						
		Puerto Rican	Other Hispanic	Asian	Other White	Other Black	Other	Not Stated
Total Live Births	122,937	10,678	29,229	15,396	36,445	30,690	324	175
Sex								
Male	62,843	5,477	14,908	7,982	18,628	15,590	162	96
Female	60,094	5,201	14,321	7,414	17,817	15,100	162	79
Birth Order This Child (Live Births Only)								
First	54,725	4,476	12,082	7,760	17,142	13,044	135	86
Second	37,233	3,099	9,424	5,322	10,587	8,637	119	45
Third	17,823	1,713	5,015	1,676	4,537	4,810	50	22
Fourth	6,875	702	1,746	432	1,795	2,175	10	15
Fifth	2,984	361	596	139	866	1,010	8	4
Sixth or Higher	3,297	327	366	67	1,518	1,014	2	3
Weight at Delivery in Grams								
Under 500	138	16	22	10	21	68	-	1
500-999	816	70	151	53	121	412	1	8
1000-1499	1,089	133	211	99	225	414	2	5
1500-1999	1,994	213	383	191	512	683	9	3
2000-2499	6,383	659	1,219	811	1,585	2,062	32	15
2500-2999	23,193	2,181	5,059	3,393	5,840	6,615	74	31
3000-3499	48,033	4,078	11,650	6,618	13,776	11,718	122	71
3500-3999	31,724	2,558	8,029	3,407	10,794	6,839	66	31
4000-4499	8,208	630	2,146	724	3,092	1,596	14	6
4500-4999	1,226	125	307	78	450	260	2	4
5000 & over	132	15	51	12	29	23	2	-
Not stated	1	-	1	-	-	-	-	-
Plurality								
Single	118,265	10,287	28,542	14,979	34,399	29,577	318	163
Twin	4,451	379	661	408	1,912	1,076	6	9
Triplet	206	12	26	9	124	32	-	3
Quadruplet	10	-	-	-	10	-	-	-
Quintuplet	5	-	-	-	-	5	-	-
Apgar Score at 5 Minutes *								
6 or less	1,010	96	216	86	170	433	-	9
7	995	102	215	67	246	359	3	3
8	4,950	522	1,114	463	1,301	1,525	11	14
9	108,081	9,162	25,870	13,871	31,971	26,192	289	126
10	7,718	785	1,782	893	2,737	1,483	20	18
Not stated	183	11	32	16	20	98	1	5
Place of Birth								
Home	392	24	55	26	108	169	1	9
Voluntary Hospital, Private Service	60,668	4,366	6,096	7,055	31,421	11,562	82	86
Voluntary Hospital, General Service	38,668	4,094	13,704	5,382	3,671	11,715	29	73
Municipal Hospital	22,693	2,141	9,273	2,906	1,064	7,096	210	3
Birthing Center	405	45	81	16	156	103	1	3
Other	111	8	20	11	25	45	1	1
Attendant								
Physician	110,606	9,448	24,739	14,236	33,848	27,872	315	148
Certified Nurse Midwife	11,978	1,165	4,385	1,149	2,567	2,681	9	22
Other	353	65	105	11	30	137	-	5
Financial Coverage								
Medicaid	63,462	6,341	22,205	8,307	7,653	18,669	218	69
HMO	17,902	1,287	2,354	2,310	7,668	4,216	25	42
Third Party	38,136	2,792	4,018	4,279	20,037	6,903	62	45
Self	3,294	245	632	481	1,066	840	19	11
Not stated	143	13	20	19	21	62	-	8
First Visit for Prenatal Care								
First Trimester (1-3 months)	83,310	7,208	18,481	10,028	28,849	18,433	209	102
Second Trimester (4-6 months)	26,150	2,222	7,338	3,824	5,172	7,482	83	29
Late (7-9 months)	7,093	548	2,028	950	1,009	2,524	23	11
No Care	749	92	155	45	73	383	-	1
Not stated	5,635	608	1,227	549	1,342	1,868	9	32
Marital Status of Mother								
Not Married	53,057	7,524	18,064	2,857	3,792	20,573	115	132
Married	69,880	3,154	11,165	12,539	32,653	10,117	209	43
Years of Education								
None	375	1	116	77	41	138	1	1
1-11	28,177	4,001	11,624	3,284	2,197	6,984	73	14
12	38,136	3,229	9,164	4,756	9,728	11,019	173	67
13 & over	55,754	3,432	8,210	7,122	24,434	12,446	76	34
Not stated	495	15	115	157	45	103	1	59
Birthplace of Mother								
United States other than Puerto Rico	56,165	8,467	4,912	786	25,786	16,094	53	67
Puerto Rico	2,230	2,082	128	-	13	6	-	1
Foreign	63,926	75	24,131	14,523	10,515	14,388	270	24
Not stated	616	54	58	87	131	202	1	83
Spontaneous Terminations of Pregnancy, 28 weeks & Over								
Total	460	28	108	42	82	188	4	8
Sex								
Male	218	14	56	20	32	92	2	2
Female	178	10	30	16	36	81	2	3
Undetermined	64	4	22	6	14	15	-	3
Weight at Delivery in Grams								
Under 500	25	1	6	2	4	12	-	-
500-999	44	-	11	6	5	20	1	1
1000-1499	46	1	12	6	5	22	-	-
1500-1999	50	6	9	2	6	24	1	2
2000-2499	49	5	7	5	11	21	-	-
2500 & over	126	8	28	11	31	47	-	1
Not stated	120	7	35	10	20	42	2	4

* In previous years, the 1 minute Apgar Score was presented, although it was incorrectly labeled as "Apgar Score at 5 Minutes".

Table 34.

Live Births by Selected Characteristics and Infant Deaths
by Health Center District of Residence, New York City, 2002

Health Center 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			Foreign Born Mother	First Live Birth	Under 2,500 Grams	Late or No Prenatal Care	Mother Not Married	On Medicaid	Number	Rate**	Number	Rate**
			Puerto Rican	Hispanic Other	Hispanic										
NEW YORK CITY	122,937	15.4	8.7	23.8	52.0	44.5	8.5	6.4	43.2	51.6	742	6.0	497	4.0	
MANHATTAN	19,583	12.7	7.5	26.4	46.3	52.9	8.0	5.6	38.6	45.3	85	4.3	55	2.8	
Central Harlem	1,934	15.6	7.1	16.1	40.4	39.6	10.8	10.4	71.4	75.5	12	6.2	6	3.1	
East Harlem	2,042	15.0	21.5	31.1	42.7	44.2	9.1	8.5	59.5	63.8	17	8.3	11	5.4	
Kips Bay-Yorkville	2,969	12.3	1.2	4.3	31.5	64.3	7.8	1.7	6.3	4.6	6	2.0	3	1.0	
Lower East Side	2,785	11.5	12.1	9.9	55.5	54.8	6.9	4.9	33.0	54.6	8	2.9	8	2.9	
Lower West Side	3,156	10.2	3.9	8.9	38.4	63.8	7.5	4.4	18.0	19.3	12	3.8	9	2.9	
Riverside	2,382	11.7	5.3	16.2	32.3	57.1	7.1	3.9	26.6	25.5	12	5.0	8	3.4	
Washington Heights	4,313	15.4	6.2	73.1	68.1	43.5	8.1	7.0	61.3	75.1	18	4.2	10	2.3	
BRONX	21,168	15.9	22.6	33.7	50.0	42.3	9.2	7.0	66.5	66.9	138	6.5	94	4.4	
Fordham-Riverdale	4,139	15.7	19.7	43.3	55.7	44.0	7.4	5.8	59.0	63.4	23	5.6	15	3.6	
Morrisania	3,410	20.3	21.8	33.2	48.2	38.9	10.7	8.0	73.9	75.5	20	5.9	12	3.5	
Mott Haven	2,291	16.5	34.3	39.1	40.6	36.1	9.2	9.3	76.1	79.1	8	3.5	7	3.1	
Pelham Bay	2,864	11.7	14.5	12.8	55.2	50.6	9.8	6.1	61.8	56.1	21	7.3	14	4.9	
Tremont	4,398	20.4	20.2	44.0	54.4	37.3	9.0	7.3	73.2	73.3	27	6.1	21	4.8	
Westchester	4,064	13.5	27.8	25.0	42.7	46.6	9.5	6.3	58.6	57.2	39	9.6	25	6.2	
BROOKLYN	39,031	15.8	6.0	17.2	51.6	41.7	8.8	6.3	44.0	58.7	271	6.9	177	4.5	
Bay Ridge	3,865	14.3	3.3	14.7	61.9	45.3	6.8	3.1	20.8	47.5	20	5.2	14	3.6	
Bedford	3,676	16.0	2.7	6.3	46.0	40.9	11.1	9.5	67.0	67.8	28	7.6	11	3.0	
Brownsville	4,881	16.2	8.6	10.3	49.5	38.8	12.3	10.1	68.1	65.6	53	10.9	36	7.4	
Bushwick	3,630	18.7	15.0	48.7	53.7	38.2	9.0	7.8	69.1	77.7	25	6.9	18	5.0	
Flatbush	8,371	15.5	2.2	10.2	58.9	40.1	9.1	6.9	40.2	53.0	51	6.1	30	3.6	
Fort Greene	2,080	13.6	7.1	18.1	34.7	46.2	11.5	7.0	59.6	58.8	29	13.9	20	9.6	
Gravesend	3,710	12.0	4.7	12.4	64.0	50.7	7.7	3.9	25.2	46.5	20	5.4	16	4.3	
Red Hook-Gowanus	1,458	13.1	10.9	15.6	31.0	57.9	7.1	3.5	33.5	34.8	8	5.5	5	3.4	
Sunset Park	4,371	22.3	5.9	25.7	53.8	37.7	6.1	2.8	29.2	65.1	29	6.6	22	5.0	
Williamsburg-Greenpoint	2,989	18.6	7.8	20.2	28.5	35.1	5.7	5.1	25.3	61.4	8	2.7	5	1.7	
QUEENS	27,272	12.2	4.5	31.8	71.0	45.3	7.8	8.8	42.6	55.4	126	4.6	90	3.3	
Astoria-Long Island City	3,216	11.9	4.5	37.5	74.5	49.9	7.9	10.2	39.3	62.2	16	5.0	14	4.4	
Corona	6,151	16.8	1.7	63.0	88.0	46.0	6.0	11.3	53.1	76.5	20	3.3	14	2.3	
Flushing	4,492	9.0	3.0	16.4	71.6	45.0	7.1	6.0	22.2	42.9	21	4.7	14	3.1	
Jamaica East	4,588	12.1	3.0	12.7	60.1	42.5	10.0	9.5	55.7	50.7	27	5.9	23	5.0	
Jamaica West	5,520	13.1	7.8	25.9	63.8	41.8	9.3	8.8	45.4	51.2	32	5.8	18	3.3	
Maspeth-Forest Hills	3,305	11.2	8.4	25.3	61.7	49.3	6.6	5.7	30.7	40.0	10	3.0	7	2.1	
RICHMOND	5,812	13.1	8.0	12.1	30.6	40.7	7.7	3.4	27.6	27.0	27	4.6	19	3.3	
NON-RESIDENTS	10,065	-	3.9	8.2	30.0	43.8	8.9	2.2	10.3	8.2	91	9.0	59	5.9	
RESIDENCE UNKNOWN	6	-	-	-	-	-	-	-	-	-	4	-	3	-	

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

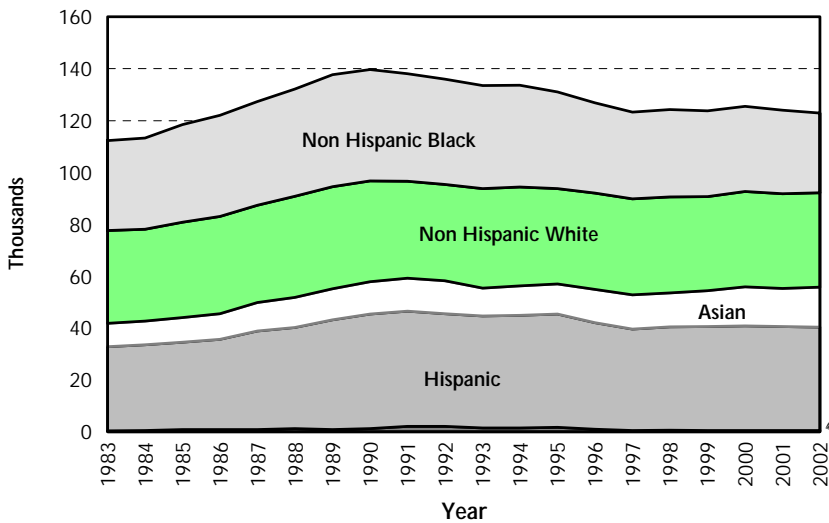
Borough totals may be higher than the sum of the health center districts, as they may include some live births whose health center district could not be determined.

Table 35.

Live Births by Selected Characteristics and Mother's Ancestry
New York City, 2002

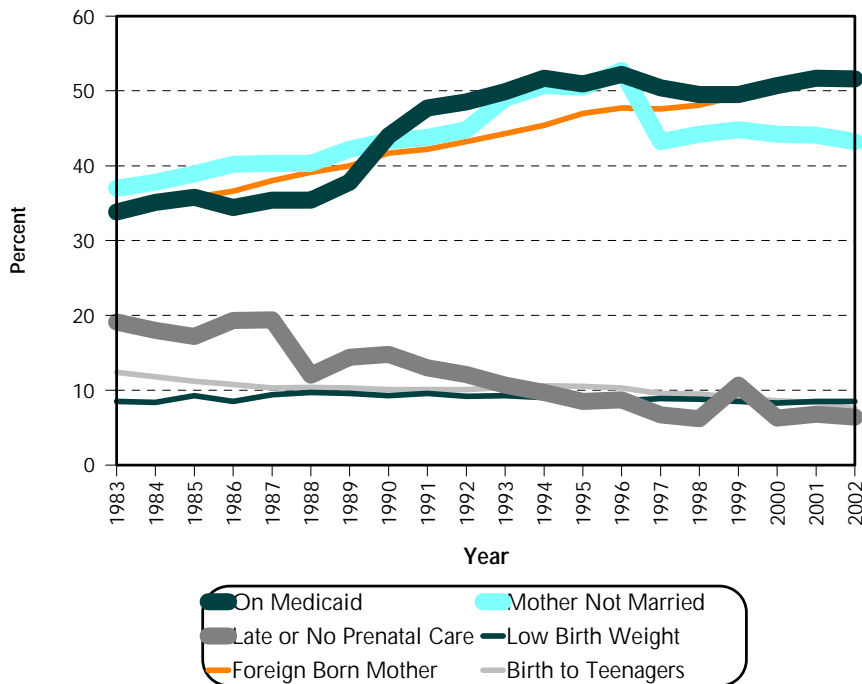
Ancestry of Mother	Live Births	Percent of Live Births with Specified Characteristics							Teenage Mother
		Foreign Born Mother	First Live Birth	Under 2,500 Grams	Late or No Prenatal Care	Mother Not Married	On Medicaid		
Total	122,937	52.0	44.5	8.5	6.4	43.2	51.6	7.5	
Puerto Rican	10,678	0.7	41.9	10.2	6.0	70.5	59.4	15.9	
Dominican	10,267	81.3	39.9	7.4	7.1	62.8	74.2	10.2	
Colombian	1,469	84.6	49.9	4.6	8.9	53.0	60.1	7.1	
Ecuadorian	3,330	89.4	41.0	5.7	9.9	52.3	79.2	7.7	
Mexican	7,104	96.7	40.5	5.8	8.0	70.8	91.1	13.8	
Cuban	288	26.4	50.7	11.1	3.5	39.6	27.4	11.1	
Other Hispanic	6,771	68.3	42.2	7.8	6.3	58.4	66.8	10.6	
African-American	17,479	11.6	43.1	13.0	8.0	75.7	58.8	15.0	
American	5,424	3.9	48.3	8.6	2.9	16.4	18.7	3.3	
Guyanese	2,248	96.7	40.6	13.9	7.3	43.3	50.2	5.2	
Haitian	1,724	90.2	45.6	10.1	10.3	42.2	57.1	3.5	
Jamaican	2,966	94.3	42.1	10.7	9.5	66.5	60.0	6.9	
Trinidadian	1,607	96.6	45.2	11.1	13.8	55.9	66.5	7.5	
Other North, Central and South American	3,048	92.1	45.2	10.1	9.5	56.9	58.1	6.6	
English	834	26.6	59.4	6.6	2.3	7.3	3.6	0.4	
German	1,807	12.1	54.8	8.0	1.6	11.7	7.4	1.5	
Irish	3,275	10.7	49.8	6.1	1.9	11.4	7.6	1.0	
Italian	5,352	7.7	48.1	7.9	1.6	12.3	8.2	2.0	
Polish	1,317	55.4	55.7	5.1	3.9	13.7	27.7	1.7	
Russian	2,186	63.0	53.1	6.1	3.2	12.7	19.9	0.9	
Other European	5,347	54.7	54.9	6.0	4.0	11.7	22.5	2.0	
Asian Indian	2,000	94.7	47.8	9.2	7.4	13.8	41.1	1.8	
Bangladeshi	1,461	99.5	45.4	12.0	9.6	18.5	77.5	2.5	
Chinese	6,290	93.6	52.2	4.8	4.1	21.4	60.1	1.3	
Filipino	860	87.7	54.9	8.5	6.7	20.1	24.2	2.6	
Korean	920	92.3	57.8	5.9	5.8	9.5	33.9	0.8	
Pakistani	1,352	98.2	42.7	10.4	10.5	8.8	74.6	1.9	
Other Asian	3,693	89.5	48.7	6.2	7.0	12.6	45.8	3.6	
Jewish or Hebrew	7,019	95.3	58.7	13.6	4.9	8.8	77.8	4.8	
Other & Not Stated	4,821	77.5	39.4	8.4	11.8	35.9	60.8	2.7	

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



**Figure 12. Live Births by Mother's Ethnic Group
New York City, 1983-2002**

The total number of live births registered in New York City rose about 24%, from 112,353 in 1983 to 139,630 in 1990, the highest number since 1970. After 1990, live births declined 12%. Since 1990, 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 2002 births to non-Hispanic white mothers declined 7%, and to non-Hispanic black mothers declined 29%. From 1983 to 2002, births to Asian and Pacific Islander women increased 72%, while the population of Asian and Pacific Islanders increased from about 230,000 in 1980 to over 489,000 in 1990 and 827,000 in 2000, a 2.6 fold increase.



**Figure 13. Percent of Live Births with Specified
Characteristics, New York City, 1983-2002**

The percent of live births to foreign born mothers increased steadily in the last two decades, from 34.0 in 1983 to 52.0 in 2002, reflecting the inflow of new immigrants. The percent of mothers on Medicaid when they delivered their babies surged during the late 80s and early 90s. The percent of low birth weight has been virtually flat for the past 20 years. The percent of late or no prenatal care had a downward trend, from 19.1 in 1983 to 6.4 in 2002. Percent of mothers not married when they had a birth increased from 1982 to 1996. Note that the method used to compute mother's marital status was changed in 1997. As a result, unmarried mothers declined 19.2% in a sample tested by using both old and new methods. See the Special Note On Mother's Marital Status, Summary of Vital Statistics, 1997, pp.32-33. The percent of mothers not married decreased again since 1999, largely due to the decline of teenager mothers who are more likely to be not married.

Table 36.

Live Births by Selected Characteristics and Infant Deaths
by Community District of Residence, New York City, 2002

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		Foreign Born Mother	First Live Birth	Under 2,500 Grams	Late or No Prenatal Care	Mother Not Married	On Medicaid	Number	Rate**	Number	Rate**	
			Puerto Rican	Hispanic Other											
NEW YORK CITY	122,937	15.4	8.7	23.8	52.0	44.5	8.5	6.4	43.2	51.6	742	6.0	497	4.0	
Manhattan	19,465	12.7	7.5	26.2	46.3	53.0	8.0	5.6	38.4	45.3	84	4.3	54	2.8	
01	389	11.3	1.5	4.6	36.0	64.3	7.5	5.7	9.8	7.2	1	2.6	1	2.6	
02	769	8.3	1.8	6.6	42.1	66.1	6.1	3.6	14.3	16.4	2	2.6	2	2.6	
03	2,167	13.2	14.1	10.7	65.2	51.4	6.4	5.7	39.5	70.0	7	3.2	7	3.2	
04	818	9.4	9.2	17.6	38.8	58.4	7.8	6.5	35.2	36.2	2	2.4	1	1.2	
05	423	9.6	1.9	5.7	40.7	69.5	6.4	4.5	15.1	16.5	2	4.7	1	2.4	
06	1,249	9.2	3.1	5.9	34.7	66.5	8.2	2.5	9.6	6.3	2	1.6	1	0.8	
07	2,604	12.5	4.0	11.4	28.5	61.2	8.0	2.6	17.1	14.8	12	4.6	9	3.5	
08	2,779	12.8	1.7	4.7	30.1	62.6	7.6	1.7	7.1	6.0	6	2.2	3	1.1	
09	1,575	14.1	6.7	52.8	58.4	45.1	8.0	10.1	63.2	71.2	8	5.1	4	2.5	
10	1,700	15.9	6.2	15.8	41.7	39.3	10.6	10.4	71.0	76.1	9	5.3	5	2.9	
11	1,839	15.6	24.6	35.0	42.8	40.4	10.1	10.2	72.4	76.8	19	10.3	12	6.5	
12	3,150	15.1	6.0	75.7	70.1	43.7	7.8	5.5	57.9	73.4	14	4.4	8	2.5	
Bronx	21,286	16.0	22.5	33.9	50.0	42.3	9.2	7.0	66.5	66.9	139	6.5	95	4.5	
01	1,534	18.7	34.7	38.3	39.6	37.0	9.6	9.6	76.1	80.3	7	4.6	7	4.6	
02	912	19.5	35.7	39.7	40.4	36.6	8.8	9.5	76.8	79.1	3	3.3	-	-	
03	1,319	19.2	25.7	24.3	36.2	39.3	12.8	7.3	76.8	71.6	10	7.6	8	6.1	
04	2,931	21.0	16.5	42.8	60.1	37.4	9.3	7.3	71.1	77.2	21	7.2	14	4.8	
05	2,596	20.2	17.8	44.6	55.8	38.6	9.6	7.6	73.7	72.6	10	3.9	7	2.7	
06	1,464	19.3	31.2	35.9	42.1	39.4	7.2	6.8	73.3	68.9	8	5.5	7	4.8	
07	2,519	17.8	20.3	45.7	58.2	41.7	7.8	6.8	63.4	69.9	12	4.8	8	3.2	
08	1,109	10.9	12.6	43.8	53.2	47.8	6.8	4.4	42.3	45.5	8	7.2	5	4.5	
09	2,680	16.0	28.5	27.0	43.9	43.3	10.4	7.2	66.1	64.1	29	10.8	20	7.5	
10	960	8.3	26.6	16.0	32.4	53.4	9.3	3.9	44.2	37.5	9	9.4	6	6.3	
11	1,347	12.2	22.1	22.9	50.2	49.5	7.7	5.4	48.6	51.9	8	5.9	4	3.0	
12	1,912	12.8	11.5	9.5	59.5	51.8	10.0	6.5	67.4	59.5	14	7.3	9	4.7	
Brooklyn	39,031	15.8	6.0	17.2	51.6	41.7	8.8	6.3	44.0	58.7	271	6.9	177	4.5	
01	2,989	18.6	7.8	20.2	28.5	35.1	5.7	5.1	25.3	61.4	8	2.7	5	1.7	
02	1,142	11.6	5.8	14.7	32.7	54.5	10.0	5.9	42.9	42.3	14	12.3	11	9.6	
03	2,201	15.3	6.4	15.3	33.4	39.3	12.2	8.0	73.7	71.9	26	11.8	14	6.4	
04	2,138	20.5	16.3	57.2	56.2	37.7	8.6	6.7	70.9	82.0	20	9.4	17	8.0	
05	2,870	16.6	14.5	26.7	47.5	37.3	10.8	10.3	68.2	70.0	24	8.4	18	6.3	
06	1,406	13.5	9.9	13.4	27.7	57.0	7.3	3.3	32.1	31.2	9	6.4	5	3.6	
07	2,316	19.3	10.9	45.7	73.3	45.8	7.0	3.2	47.7	75.9	23	9.9	17	7.3	
08	1,474	15.3	3.5	7.5	45.5	44.4	12.2	10.0	69.9	66.2	9	6.1	5	3.4	
09	1,715	16.5	1.4	6.6	59.8	42.3	9.9	8.6	55.0	62.2	11	6.4	3	1.7	
10	1,578	12.9	3.9	11.8	60.5	46.8	7.4	3.4	16.7	40.6	10	6.3	7	4.4	
11	2,231	13.0	2.8	14.3	68.8	48.5	6.0	3.1	22.6	46.8	7	3.1	4	1.8	
12	4,367	23.6	1.8	9.7	42.0	31.5	5.7	3.3	13.8	53.6	14	3.2	9	2.1	
13	1,167	11.0	9.3	19.0	60.8	59.0	7.3	5.4	39.8	62.7	8	6.9	8	6.9	
14	2,934	17.4	2.4	15.2	63.3	39.6	9.4	6.4	39.5	55.2	20	6.8	13	4.4	
15	1,902	11.9	2.1	7.7	63.3	46.4	8.4	3.4	17.5	37.2	11	5.8	8	4.2	
16	1,446	16.9	8.7	9.5	32.8	37.6	12.9	10.8	78.8	76.6	17	11.8	8	5.5	
17	2,517	15.2	1.7	5.5	70.3	42.9	11.1	10.7	66.5	66.0	25	9.9	14	5.6	
18	2,631	13.5	3.4	5.0	56.1	40.9	10.3	7.1	43.4	44.0	15	5.7	11	4.2	
Queens	27,272	12.2	4.5	31.8	71.0	45.3	7.8	8.8	42.6	55.4	126	4.6	90	3.3	
01	2,246	10.6	5.1	33.1	70.3	49.9	8.1	10.9	39.8	61.1	15	6.7	13	5.8	
02	1,491	13.6	2.5	44.3	84.4	50.0	7.0	9.7	39.4	65.8	3	2.0	2	1.3	
03	2,746	16.2	1.8	71.6	86.4	45.0	6.5	12.6	56.6	77.9	9	3.3	8	2.9	
04	2,991	17.9	1.6	58.0	90.1	46.7	5.7	10.0	51.1	75.8	9	3.0	5	1.7	
05	2,011	12.1	12.6	32.6	54.7	45.1	6.1	6.2	37.5	47.9	6	3.0	5	2.5	
06	1,142	9.8	1.8	13.0	71.2	55.9	7.2	4.6	19.4	25.7	2	1.8	-	-	
07	2,413	9.9	2.8	20.6	78.7	45.9	6.4	6.9	26.0	52.0	6	2.5	3	1.2	
08	1,827	12.5	3.3	14.1	70.7	44.3	7.7	7.0	25.0	41.2	15	8.2	11	6.0	
09	2,098	14.8	9.5	33.2	72.7	43.1	8.3	8.2	42.2	51.4	12	5.7	6	2.9	
10	1,491	11.7	7.4	19.3	64.9	43.6	10.9	8.3	40.6	45.5	7	4.7	5	3.4	
11	675	5.8	3.3	12.3	57.8	48.4	6.5	4.0	14.1	25.8	2	3.0	-	-	
12	3,095	13.8	3.0	17.9	58.4	39.7	10.5	9.5	59.9	54.2	22	7.1	18	5.8	
13	1,841	9.4	3.2	9.7	63.9	45.1	9.7	8.4	47.2	44.5	10	5.4	10	5.4	
14	1,200	11.2	7.7	16.7	39.0	37.3	9.7	10.5	56.5	54.6	8	6.7	4	3.3	
Staten Island	5,812	13.1	8.0	12.1	30.6	40.7	7.7	3.4	27.6	27.0	27	4.6	19	3.3	
01	2,447	15.0	12.1	21.2	39.9	39.9	8.9	5.2	47.2	43.8	15	6.1	10	4.1	
02	1,490	11.7	6.0	9.0	35.6	42.3	6.8	2.9	19.0	23.0	7	4.7	5	3.4	
03	1,848	12.1	4.0	2.8	14.8	40.7	7.0	1.4	8.9	8.2	5	2.7	4	2.2	

*Rate per 1,000 population.

**Rate per 1,000 live births.

Borough totals may be higher than the sum of the community districts, as they may include some live births whose community district could not be determined.

Table 37.

**Live Births by Mother's Birthplace and Borough of Residence
New York City, 2002**

Birthplace	Total	Borough of Residence					Non-Residents	Residence Unknown
		Manhattan	Bronx	Brooklyn	Queens	Richmond		
Bangladesh	1,473	64	164	316	912	7	10	-
China	5,132	1,333	92	1,954	1,513	66	174	-
Colombia	1,330	57	47	138	998	27	63	-
Cuba	79	19	15	5	22	2	16	-
Dominican Republic	8,653	2,500	3,421	1,377	1,157	45	153	-
Ecuador	3,088	279	353	635	1,739	32	50	-
El Salvador	749	43	117	128	408	7	46	-
Germany	236	110	12	49	26	7	32	-
Guyana	2,482	40	275	876	1,198	24	69	-
Haiti	1,782	77	42	1,185	369	8	101	-
Honduras	869	78	361	212	172	21	25	-
India	1,669	132	77	133	1,029	70	228	-
Ireland	276	42	32	21	132	8	41	-
Israel	1,074	146	28	578	157	44	121	-
Italy	338	74	14	95	56	53	46	-
Jamaica	3,671	74	981	1,537	897	31	151	-
Korea	838	116	29	48	498	22	125	-
Mexico	7,099	959	1,395	2,303	1,994	389	59	-
Pakistan	1,336	32	67	614	505	55	63	-
Philippines	781	95	74	90	360	52	110	-
Poland	696	32	4	338	239	42	41	-
Puerto Rico	2,230	277	1,084	548	197	61	63	-
Russia	901	80	14	486	209	52	60	-
Trinidad and Tobago	2,050	48	128	1,203	586	36	49	-
Ukraine	674	44	6	469	46	51	58	-
United States	56,165	10,082	9,290	18,234	7,655	3,967	6,931	6
Other & Not Stated	17,266	2,750	3,046	5,459	4,198	633	1,180	-
Total	122,937	19,583	21,168	39,031	27,272	5,812	10,065	6

Table 38.

**Live Births by Mother's Birthplace and Age of Mother
New York City, 2002**

Birthplace	Total	Age						Unknown
		< 20	20-24	25-29	30-34	35-39	40+	
Bangladesh	1,473	36	363	547	375	121	31	-
China	5,132	68	1,021	1,770	1,499	634	140	-
Colombia	1,330	80	262	305	342	260	81	-
Cuba	79	1	6	13	18	26	15	-
Dominican Republic	8,653	637	2,167	2,443	2,018	1,125	263	-
Ecuador	3,088	212	816	804	719	439	98	-
El Salvador	749	60	177	243	157	97	15	-
Germany	236	7	19	34	91	72	13	-
Guyana	2,482	116	500	722	644	389	111	-
Haiti	1,782	55	237	471	513	370	136	-
Honduras	869	76	219	229	202	119	24	-
India	1,669	24	246	634	531	199	35	-
Ireland	276	3	12	44	109	86	22	-
Israel	1,074	26	209	317	315	157	50	-
Italy	338	2	18	54	140	100	24	-
Jamaica	3,671	234	810	874	839	700	214	-
Korea	838	4	42	222	399	141	30	-
Mexico	7,099	943	2,435	2,013	1,206	424	78	-
Pakistan	1,336	26	253	469	385	165	38	-
Philippines	781	16	61	161	261	207	75	-
Poland	696	16	118	258	183	95	26	-
Puerto Rico	2,230	257	641	534	406	301	91	-
Russia	901	16	144	333	246	129	33	-
Trinidad and Tobago	2,050	156	481	540	420	356	97	-
Ukraine	674	6	112	277	194	66	19	-
United States	56,165	5,564	12,334	12,482	14,562	8,649	2,574	-
Other & Not Stated	17,266	599	2,731	4,575	5,305	3,193	863	-
Total	122,937	9,240	26,434	31,368	32,079	18,620	5,196	0

Table 39.

Live Births to Teenagers by Selected Characteristics and Infant Deaths by Health Center District of Residence, New York City, 2002

Health Center District	Live Births to Teenagers	Percent of Total Live Births	Percent of Teenage Live Births with Specified Characteristics								Infant Mortality (Under 1 Year)		Neonatal Mortality (Under 28 Days)	
			Mother's Ancestry		Foreign Born Mother	First Live Birth	Under 2,500 Grams	Late or No Prenatal Care	Mother Not Married	On Medicaid	Number	Rate*	Number	Rate*
			Puerto Rican	Other Hispanic										
NEW YORK CITY	9,240	7.5	18.4	34.0	36.4	84.0	10.4	11.7	88.4	80.1	85	9.2	54	5.8
MANHATTAN	1,289	6.6	19.3	44.4	35.0	84.6	9.9	11.9	91.0	89.5	14	10.9	10	7.8
Central Harlem	221	11.4	8.6	14.5	20.8	81.9	13.6	11.3	95.9	87.3	1	4.5	1	4.5
East Harlem	228	11.2	35.1	37.3	31.1	82.9	11.4	11.0	93.0	93.4	5	21.9	3	13.2
Kips Bay-Yorkville	41	1.4	24.4	7.3	22.0	92.7	7.3	4.9	90.2	90.2	-	-	-	-
Lower East Side	135	4.8	45.9	17.8	22.2	87.4	9.6	13.3	85.9	84.4	1	7.4	1	7.4
Lower West Side	95	3.0	18.9	29.5	32.6	77.9	6.3	23.2	88.4	85.3	-	-	-	-
Riverside	118	5.0	19.5	37.3	26.3	83.1	4.2	11.0	89.8	89.0	4	33.9	3	25.4
Washington Heights	451	10.5	8.2	78.9	51.7	87.1	10.0	10.6	90.0	91.1	3	6.7	2	4.4
BRONX	2,574	12.2	32.2	32.8	30.3	83.3	9.4	9.8	91.8	79.7	22	8.5	12	4.7
Fordham-Riverdale	420	10.1	29.5	43.6	36.0	84.8	7.1	9.3	88.1	77.9	4	9.5	2	4.8
Morrisania	493	14.5	28.6	31.0	26.8	81.5	11.4	10.1	93.3	80.1	4	8.1	3	6.1
Mott Haven	376	16.4	44.9	33.0	29.3	79.3	8.8	9.8	93.1	86.4	2	5.3	2	5.3
Pelham Bay	296	10.3	19.6	11.1	29.4	87.2	11.5	11.5	94.3	76.7	2	6.8	1	3.4
Tremont	583	13.3	30.4	43.2	31.9	81.8	8.1	9.6	91.6	78.6	5	8.6	2	3.4
Westchester	406	10.0	39.4	24.4	27.8	87.2	10.3	8.9	91.1	78.6	5	12.3	2	4.9
BROOKLYN	3,157	8.1	12.9	26.1	35.4	84.0	11.5	11.1	87.2	82.9	38	12.0	23	7.3
Bay Ridge	125	3.2	12.0	37.6	57.6	86.4	5.6	2.4	66.4	80.8	-	-	-	-
Bedford	429	11.7	4.7	6.3	28.2	82.5	10.3	16.1	96.5	84.1	5	11.7	3	7.0
Brownsville	594	12.2	15.2	9.9	24.2	82.3	15.3	14.1	94.9	82.7	11	18.5	7	11.8
Bushwick	485	13.4	18.4	47.4	36.1	82.5	9.9	9.7	92.2	87.6	6	12.4	4	8.2
Flatbush	521	6.2	5.0	20.3	45.3	85.0	11.1	14.4	87.3	77.4	5	9.6	2	3.8
Fort Greene	218	10.5	10.1	24.3	22.9	83.0	15.6	9.2	94.5	83.9	3	13.8	2	9.2
Gravesend	229	6.2	13.5	23.1	42.4	88.6	14.8	6.6	65.9	81.2	4	17.5	3	13.1
Red Hook-Gowanus	96	6.6	29.2	30.2	31.3	85.4	14.6	7.3	86.5	83.3	2	20.8	2	20.8
Sunset Park	275	6.3	17.5	49.5	51.3	83.6	8.0	5.5	72.7	82.2	2	7.3	-	-
Williamsburg-Greenpoint	185	6.2	21.1	44.9	27.0	88.1	5.4	9.2	80.5	87.0	-	-	-	-
QUEENS	1,746	6.4	8.3	44.8	49.9	84.4	9.5	15.5	86.0	75.1	7	4.0	6	3.4
Astoria-Long Island City	198	6.2	12.6	58.1	56.1	85.4	10.1	17.2	83.8	87.4	1	5.1	1	5.1
Corona	434	7.1	3.2	84.3	76.3	86.6	8.1	15.0	85.3	87.3	1	2.3	1	2.3
Flushing	137	3.0	5.1	42.3	53.3	81.0	7.3	13.1	75.2	72.3	1	7.3	1	7.3
Jamaica East	418	9.1	3.1	13.4	30.4	84.9	9.3	15.6	93.8	64.4	1	2.4	1	2.4
Jamaica West	426	7.7	14.3	29.3	39.7	83.1	11.7	16.4	86.2	68.1	3	7.0	2	4.7
Maspeth-Forest Hills	133	4.0	18.8	46.6	45.1	81.2	8.3	13.5	78.2	76.7	-	-	-	-
RICHMOND	304	5.2	16.4	29.6	32.6	83.9	12.2	11.8	85.5	64.1	3	9.9	2	6.6
NON-RESIDENTS	169	1.7	10.7	16.6	26.6	86.4	15.4	9.5	71.6	42.6	1	-	1	-
RESIDENCE UNKNOWN	1	-	-	-	-	-	-	-	-	-	-	-	-	-

*Rate per 1,000 live births to teenagers.

Borough totals may be higher than the sum of the health center districts, as they may include some live births whose health center district could not be determined.

Table 40.

Live Births to Teenagers by Selected Characteristics, New York City, 1989-2002

	Year													
	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
Total Live Births	137,673	139,630	138,148	136,002	133,583	133,662	131,009	126,901	123,313	124,252	123,739	125,563	124,023	122,937
Percent to Teenagers	10.3	10.1	10.1	10.1	10.4	10.6	10.5	10.3	9.6	9.5	9.0	8.6	8.4	7.5
Births to Teenagers	14,121	14,131	13,999	13,795	13,848	14,156	13,713	13,020	11,793	11,789	11,145	10,800	10,386	9,240
Percent of Births with Specified Characteristics:														
Puerto Rican	27.4	27.5	27.0	25.9	25.6	23.4	22.2	22.3	22.2	22.5	21.3	19.6	18.1	18.4
Other Hispanic	15.3	17.2	19.1	20.8	21.6	23.8	28.2	27.2	27.2	28.7	30.7	32.8	35.0	34.0
Foreign Born Mother	21.2	24.6	26.0	26.9	27.9	28.6	30.8	31.3	32.5	32.1	33.5	35.1	36.5	36.4
First Live Birth	79.8	78.7	77.4	78.2	77.9	77.5	78.2	80.2	81.5	81.8	82.2	82.9	84.4	84.0
Under 2,500 Grams	11.4	10.9	11.5	10.4	11.1	10.7	10.6	9.7	10.8	10.3	10.3	9.7	10.1	10.4
Prenatal Care in First 6 Months of Pregnancy	61.8	60.2	64.0	65.6	66.1	69.5	71.3	71.7	67.3	68.8	69.8	77.7	80.7	83.2
Not Married	82.0	82.4	83.1	84.2	88.1	89.8	89.3	90.8	87.3	88.6	89.0	89.1	88.1	88.4
On Medicaid	66.8	74.2	78.0	79.2	79.4	80.6	78.6	81.5	80.2	78.5	77.7	79.3	81.7	80.1
Infant Mortality Rate*	13.5	13.1	13.6	11.0	11.9	9.9	12.3	9.4	9.5	7.5	8.5	8.3	7.4	9.2

*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, 2002

Community District	Percent of Live Births		Percent of Live Births with Specified Characteristics									Infant Mortality (Under 1 Year)		Neonatal Mortality (Under 28 Days)	
			Mother's Ancestry		Foreign Born	First Live Birth	Under 2,500 Grams	Late or No Prenatal Care	Mother Not Married	On Medicaid	Number	Rate*	Number	Rate*	
			Puerto Rican	Other Hispanic											
NEW YORK CITY	9,240	7.5	18.4	34.0	36.4	84.0	10.4	11.7	88.4	80.1	85	9.2	54	5.8	
Manhattan	1,278	6.5	19.4	44.4	35.1	84.7	9.9	12.0	91.0	89.5	14	11.0	10	7.8	
01	3	0.8	33.3	66.7	33.3	33.3	-	66.7	100.0	66.7	-	-	-	-	
02	18	2.3	11.1	33.3	33.3	77.8	11.1	5.6	83.3	77.8	-	-	-	-	
03	126	5.8	48.4	15.9	20.6	86.5	10.3	12.7	85.7	85.7	1	7.9	1	7.9	
04	50	6.1	22.0	40.0	40.0	76.0	6.0	26.0	86.0	84.0	-	-	-	-	
05	20	4.7	10.0	5.0	10.0	85.0	5.0	25.0	100.0	100.0	-	-	-	-	
06	10	0.8	10.0	30.0	50.0	100.0	-	20.0	80.0	70.0	-	-	-	-	
07	69	2.6	24.6	36.2	29.0	84.1	5.8	10.1	87.0	89.9	2	29.0	1	14.5	
08	45	1.6	26.7	11.1	17.8	91.1	6.7	4.4	93.3	91.1	-	-	-	-	
09	184	11.7	9.8	63.0	41.8	85.3	9.8	14.7	93.5	88.0	2	10.9	2	10.9	
10	199	11.7	9.0	15.1	21.6	80.9	13.6	10.6	96.0	86.9	1	5.0	1	5.0	
11	245	13.3	32.2	34.7	30.2	83.7	11.8	11.8	93.1	93.1	5	20.4	3	12.2	
12	309	9.8	8.4	82.2	54.0	87.7	8.7	9.1	88.3	92.2	3	9.7	2	6.5	
Bronx	2,585	12.2	32.1	32.8	30.2	83.3	9.4	9.7	91.8	79.7	22	8.5	12	4.6	
01	259	16.9	42.5	34.4	30.9	80.3	8.5	8.9	92.7	85.7	2	7.7	2	7.7	
02	158	17.3	48.1	31.6	24.1	80.4	11.4	14.6	93.7	89.2	1	6.3	-	-	
03	210	15.9	33.3	20.0	18.1	83.8	13.8	7.1	95.2	76.2	3	14.3	3	14.3	
04	366	12.5	22.7	45.1	40.4	81.1	7.7	10.9	90.4	83.1	2	5.5	-	-	
05	339	13.1	31.0	41.3	28.3	82.3	9.1	9.1	92.6	79.4	1	2.9	-	-	
06	223	15.2	42.6	26.5	22.0	83.4	6.3	7.2	93.3	67.7	2	9.0	2	9.0	
07	259	10.3	24.7	51.0	40.2	83.0	7.3	9.3	86.5	81.9	3	11.6	1	3.9	
08	72	6.5	13.9	58.3	38.9	79.2	8.3	13.9	86.1	81.9	1	13.9	1	13.9	
09	291	10.9	39.9	23.0	25.4	87.3	9.3	8.9	94.5	80.4	4	13.7	2	6.9	
10	60	6.3	38.3	15.0	18.3	85.0	18.3	10.0	95.0	73.3	1	16.7	-	-	
11	124	9.2	33.1	24.2	41.1	89.5	9.7	12.1	80.6	76.6	1	8.1	1	8.1	
12	224	11.7	16.5	10.7	28.6	86.2	11.6	10.3	95.5	75.9	1	4.5	-	-	
Brooklyn	3,157	8.1	12.9	26.1	35.4	84.0	11.5	11.1	87.2	82.9	38	12.0	23	7.3	
01	185	6.2	21.1	44.9	27.0	88.1	5.4	9.2	80.5	87.0	-	-	-	-	
02	91	8.0	12.1	25.3	19.8	85.7	15.4	9.9	89.0	81.3	2	22.0	1	11.0	
03	305	13.9	6.2	17.4	19.3	79.3	13.1	12.5	96.1	84.6	4	13.1	3	9.8	
04	288	13.5	20.1	56.9	41.0	81.6	10.1	8.7	93.4	91.7	5	17.4	4	13.9	
05	386	13.4	20.5	24.1	25.4	83.2	13.7	13.5	93.3	81.9	9	23.3	7	18.1	
06	78	5.5	32.1	23.1	26.9	87.2	14.1	5.1	87.2	80.8	1	12.8	1	12.8	
07	217	9.4	23.0	61.8	56.7	83.4	8.8	4.6	84.8	88.0	2	9.2	-	-	
08	178	12.1	6.7	6.2	32.6	85.4	11.8	11.8	97.2	86.0	3	16.9	2	11.2	
09	154	9.0	2.6	7.8	44.2	83.8	13.6	16.9	93.5	79.9	-	-	-	-	
10	37	2.3	10.8	18.9	67.6	78.4	2.7	5.4	54.1	75.7	-	-	-	-	
11	68	3.0	5.9	39.7	58.8	88.2	8.8	2.9	70.6	77.9	-	-	-	-	
12	158	3.6	7.0	27.2	41.1	84.2	7.6	7.0	52.5	70.9	-	-	-	-	
13	139	11.9	18.0	23.0	28.8	95.0	15.8	5.8	73.4	83.5	2	14.4	2	14.4	
14	176	6.0	7.4	37.5	52.8	81.3	8.0	13.6	84.1	83.0	2	11.4	1	5.7	
15	71	3.7	7.0	18.3	64.8	78.9	14.1	7.0	49.3	76.1	2	28.2	1	14.1	
16	241	16.7	11.2	7.5	16.2	80.5	12.9	13.7	96.3	84.6	1	4.1	-	-	
17	222	8.8	2.3	5.9	41.9	90.1	13.5	16.7	96.8	79.3	4	18.0	1	4.5	
18	162	6.2	10.5	7.4	37.7	84.0	11.1	17.3	90.7	76.5	1	6.2	-	-	
Queens	1,746	6.4	8.3	44.8	49.9	84.4	9.5	15.5	86.0	75.1	7	4.0	6	3.4	
01	134	6.0	14.2	51.5	48.5	85.1	9.7	17.2	85.8	85.1	1	7.5	1	7.5	
02	88	5.9	6.8	73.9	76.1	85.2	9.1	18.2	81.8	89.8	-	-	-	-	
03	231	8.4	3.9	87.0	70.6	85.7	5.6	16.5	84.0	87.0	-	-	-	-	
04	183	6.1	2.7	80.9	82.5	88.5	11.5	12.0	84.7	87.4	1	5.5	1	5.5	
05	109	5.4	22.0	47.7	39.4	80.7	9.2	11.0	85.3	77.1	-	-	-	-	
06	20	1.8	5.0	40.0	65.0	80.0	5.0	30.0	55.0	80.0	-	-	-	-	
07	78	3.2	7.7	55.1	62.8	79.5	6.4	19.2	71.8	73.1	1	12.8	1	12.8	
08	62	3.4	1.6	29.0	53.2	85.5	6.5	4.8	69.4	75.8	-	-	-	-	
09	160	7.6	21.2	43.8	50.0	81.3	11.9	15.0	86.3	68.1	1	6.3	1	6.3	
10	83	5.6	14.5	21.7	42.2	86.7	14.5	16.9	77.1	55.4	-	-	-	-	
11	13	1.9	-	30.8	38.5	76.9	-	15.4	92.3	46.2	-	-	-	-	
12	313	10.1	3.2	19.5	31.9	82.1	11.2	16.9	94.6	67.7	1	3.2	1	3.2	
13	139	7.6	2.2	7.2	28.1	87.8	8.6	14.4	92.8	61.9	1	7.2	1	7.2	
14	133	11.1	11.3	11.3	21.1	85.7	9.0	16.5	93.2	71.4	1	7.5	-	-	
Staten Island	304	5.2	16.4	29.6	32.6	83.9	12.2	11.8	85.5	64.1	3	9.9	2	6.6	
01	227	9.3	15.9	35.2	36.1	81.9	14.1	12.8	85.9	64.8	3	13.2	2	8.8	
02	55	3.7	18.2	16.4	21.8	94.5	5.5	9.1	83.6	60.0	-	-	-	-	
03	22	1.2	18.2	4.5	22.7	77.3	9.1	9.1	86.4	68.2	-	-	-	-	

*Rate per 1,000 live births.

Borough totals may be higher than the sum of the community districts, as they may include some live births whose community district could not be determined.

Table 42.

Live Births and Infant Deaths by Birth Weight, Ethnic Group**, and Age, New York City, 2002

Birth Weight in Grams	Live Births							Infant Deaths																
	Total							Age Under 28 Days				Age Under 7 Days												
	Total	Hispanic	Non-H White	Non-H Black	Asian & P.I.	Other/ Unk.	Total	Hispanic	Non-H White	Non-H Black	Asian & P.I.	Other/ Unk.	Total	Hispanic	Non-H White	Non-H Black	Asian & P.I.	Other/ Unk.						
Less than 500.....	138	38	21	68	10	1	116	34	20	54	7	1	110	31	19	53	6	1	104	31	17	49	6	1
500-999.....	816	221	121	412	53	9	251	82	38	115	11	5	195	66	33	84	7	5	156	48	28	68	7	5
1000-1499.....	1,089	344	225	414	99	7	48	19	13	15	1	-	37	15	9	12	1	-	23	11	4	7	1	-
1500-1999.....	1,994	596	512	683	191	12	50	17	11	20	2	-	28	13	5	9	1	-	21	9	4	8	-	-
2000-2499.....	6,383	1,878	1,585	2,062	811	47	51	13	9	26	2	1	26	8	5	10	2	1	17	8	3	4	1	1
Less than 2500.....	10,420	3,077	2,464	3,639	1,164	76	516	165	91	230	23	7	396	133	71	168	17	7	321	107	56	136	15	7
2500-2999.....	23,193	7,240	5,840	6,615	3,393	105	60	20	14	20	6	-	28	9	10	5	4	-	14	6	4	2	2	-
3000-3499.....	48,033	15,728	13,776	11,718	6,618	193	69	25	10	27	6	1	23	11	3	5	3	1	15	7	3	3	2	-
3500-3999.....	31,724	10,587	10,794	6,839	3,407	97	38	11	10	14	3	-	18	6	2	9	1	-	8	4	2	1	1	-
4000-4499.....	8,208	2,776	3,092	1,596	724	20	12	3	2	6	1	-	7	2	1	3	1	-	6	2	1	2	1	-
4500-4999.....	1,226	432	450	260	78	6	4	1	1	2	-	-	1	-	1	-	-	-	1	-	1	-	-	-
5000 & over.....	132	66	29	23	12	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2500 & over.....	112,516	36,829	33,981	27,051	14,232	423	183	60	37	69	16	1	77	28	17	22	9	1	44	19	11	8	6	-
Not stated.....	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unmatched*.....	-	-	-	-	-	-	43	8	20	12	-	3	24	4	12	6	-	2	14	3	5	4	-	2
Total.....	122,937	39,907	36,445	30,690	15,396	499	742	233	148	311	39	11	497	165	100	196	26	10	379	129	72	148	21	9

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

** Ethnic group is defined by mother's information on the infant's birth certificate. However, 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.

Table 43.

Infant Mortality Rates by Birth Weight, Ethnic Group, and Age, New York City, 2002

Birth Weight in Grams	Total					Age Under 28 Days					Age Under 7 Days				
	Total	Hispanic	Non-H White	Non-H Black	Asian & P.I.	Total	Hispanic	Non-H White	Non-H Black	Asian & P.I.	Total	Hispanic	Non-H White	Non-H Black	Asian & P.I.
Less than 500.....	840.6 *	**	**	**	**	797.1	**	**	**	**	753.6	**	**	**	**
500-999.....	307.6	371.0	314.0	279.1	**	239.0	298.6	272.7	203.9	**	191.2	217.2	231.4	165.0	**
1000-1499.....	44.1	55.2	57.8	36.2	**	34.0	43.6	40.0	29.0	**	21.1	32.0	17.8	16.9	**
1500-1999.....	25.1	28.5	21.5	29.3	10.5	14.0	21.8	9.8	13.2	5.2	10.5	15.1	7.8	11.7	-
2000-2499.....	8.0	6.9	5.7	12.6	2.5	4.1	4.3	3.2	4.8	2.5	2.7	4.3	1.9	1.9	1.2
Less than 2500.....	49.5	53.6	36.9	63.2	19.8	38.0	43.2	28.8	46.2	14.6	30.8	34.8	22.7	37.4	12.9
2500-2999.....	2.6	2.8	2.4	3.0	1.8	1.2	1.2	1.7	0.8	1.2	0.6	0.8	0.7	0.3	0.6
3000-3499.....	1.4	1.6	0.7	2.3	0.9	0.5	0.7	0.2	0.4	0.5	0.3	0.4	0.2	0.3	0.3
3500-3999.....	1.2	1.0	0.9	2.0	0.9	0.6	0.6	0.2	1.3	0.3	0.3	0.4	0.2	0.1	0.3
4000-4499.....	1.5	1.1	0.6	3.8	1.4	0.9	0.7	0.3	1.9	1.4	0.7	0.7	0.3	1.3	1.4
4500-4999.....	3.3	2.3	2.2	7.7	**	0.8	-	2.2	-	**	0.8	-	2.2	-	**
5000 & over.....	-	**	**	**	**	-	**	**	**	**	-	-	**	**	**
2500 & over.....	1.6	1.6	1.1	2.6	1.1	0.7	0.8	0.5	0.8	0.6	0.4	0.5	0.3	0.3	0.4
Total.....	6.0	5.8	4.1	10.1	2.5	4.0	4.1	2.7	6.4	1.7	3.1	3.2	2.0	4.8	1.4

* Rate per 1,000 live births. Births and deaths included here were registered in 2002 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-ethnic group and the mortality rate. See the Technical Notes for a fuller discussion.

Table 44.

Infant Deaths by Ethnic Group and Cause by Sex and Age, New York City, 2002

	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		742	215	54	139	164	64	106
Ethnic Group*								
Hispanic		233	72	15	32	57	21	36
Non-Hispanic, White		148	40	11	28	32	17	20
Non-Hispanic, Black		311	84	25	76	64	23	39
Asian and Pacific Islanders		39	12	3	2	9	2	11
Other and not stated		11	7	–	1	2	1	–
Cause of Death (ICD-10 Codes)								
# Human Immunodeficiency Virus disease (B20-B24)	1.05	1	–	–	–	–	–	1
# Diseases of the Circulatory System (I00-I99)	0.71	10	1	–	4	1	–	4
# Influenza and Pneumonia (J10-J18)	0.76	3	–	–	–	–	–	3
# Newborn Affected by Maternal Complications of Pregnancy (P01)	1.03	18	6	–	–	12	–	–
# Newborn Affected by Complications of Placenta, Cord and Membranes (P02)	1.05	15	8	–	2	4	1	–
# Short Gestation and Low Birth Weight (P07)	1.11	110	54	3	6	42	3	2
# Intrauterine Hypoxia and Birth Asphyxia (P20-P21)	1.45	9	4	1	–	2	1	1
# Respiratory Distress of Newborn (P22)	1.03	45	27	3	4	10	1	–
# Pulmonary Hemorrhage Originating in the Perinatal Period (P26)	1.46	16	8	–	–	6	1	1
# Atelectasis (P28.0-P28.1)	2.06	5	5	–	–	–	–	–
##Other Respiratory Conditions Originating in the Perinatal Period (P23-P28)	0.85	27	4	3	8	5	2	5
##Cardiovascular Disorders Originating in the Perinatal Period (P29)		87	34	4	6	37	5	1
##Infections Specific to the Perinatal Period (P35-P39)	1.02	23	8	2	1	2	8	2
# Neonatal Hemorrhage (P50-P52, P54)	1.44	14	1	3	–	7	2	1
# Necrotizing Enterocolitis of Newborn (P77)	1.23	25	–	11	2	2	5	5
Remainder of Conditions Originating in the Perinatal Period (Rest of P00-P99)		36	14	5	1	6	5	5
# Congenital Malformations, Deformations (Q00-Q99)	0.91	149	36	15	29	23	22	24
Congenital Malformations of Heart (Q20-Q24)	1.00	62	9	5	14	6	15	13
# Sudden Infant Death Syndrome (R95)	1.04	24	–	2	12	1	1	8
All Other Diseases (Rest of A00-R99)		72	1	1	39	4	3	24
##External Causes (V01-Y89)	0.99	53	4	1	25	–	4	19

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.

* Ethnic group is defined by mother's information on the infant's birth certificate. However, 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.

Table 45. Live Births, Infant Deaths and Infant Mortality Rate (IMR) by Mother's Birthplace, New York City, 2002

Birthplace	Live Births	Infant Deaths	IMR
Dominican Republic	8,653	33	3.8
Mexico	7,099	37	5.2
China	5,132	7	1.4
Jamaica	3,671	28	7.6
Ecuador	3,088	10	3.2
Guyana	2,482	21	8.5
Trinidad and Tobago	2,050	13	6.3
Haiti	1,782	23	12.9
India	1,669	3	1.8
Bangladesh	1,473	4	2.7
Pakistan	1,336	10	7.5
Colombia	1,330	1	0.8
Israel	1,074	5	4.7
Russia	901	1	1.1
Honduras	869	8	9.2
Korea	838	2	2.4
Philippines	781	2	2.6
El Salvador	749	3	4.0
Nigeria	709	3	4.2
Poland	696	4	5.7
Ukraine	674	1	1.5
Ghana	667	6	9.0
United Kingdom	640	3	4.7
Peru	597	1	1.7
Puerto Rico	2,230	20	9.0
United States	56,165	377	6.7
All Others and Unknown	15,582	116	–
New York City Total	122,937	742	6.0

Table 46.

**Live Births, Infant and Maternal Mortality by Mother's Ethnic Group
New York City, 1986 - 2002**

Mother's Ethnic Group (1)	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
Live Births, Total	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	124,023	122,937
Puerto Rican	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	10,846	10,678
Other Hispanic	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	29,310	29,229
Asian and Pacific Islander	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	14,662	15,396
Other White	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	36,581	36,445
Other Black	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	32,123	30,690
Other & Unknown	858	885	1,314	930	1,247	2,181	2,138	1,531	1,516	1,822	1,067	526	639	571	516	501	499
Infant Deaths (Under 1 Year) (2) Total	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	760	742
Puerto Rican	240	240	241	257	238	211	194	178	120	146	112	96	85	95	98	74	83
Other Hispanic	156	182	186	219	195	187	170	196	174	197	164	141	129	156	140	151	150
Asian and Pacific Islander	63	65	79	93	67	76	73	61	57	57	56	51	49	55	59	46	39
Other White	323	350	353	321	300	278	227	244	223	204	197	189	201	167	165	154	148
Other Black	751	802	891	911	797	777	676	646	598	522	448	385	363	350	366	322	311
Other & Unknown	33	34	20	26	23	46	50	41	35	29	15	19	16	25	11	13	11
Infant Mortality Rate (3) Total	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	6.1	6.0
Puerto Rican	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	6.8	7.8
Other Hispanic	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	5.2	5.1
Asian and Pacific Islander	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	3.1	2.5
Other White	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	4.2	4.1
Other Black	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	10.0	10.1
Neonatal Deaths (Under 28 Days) Total	1,078	1,139	1,232	1,253	1,091	1,089	941	917	804	811	656	605	593	606	583	524	497
Puerto Rican	157	157	159	172	155	138	138	108	67	113	72	60	60	74	59	54	59
Other Hispanic	117	134	133	153	136	136	120	136	122	143	113	107	92	113	94	112	106
Asian and Pacific Islander	47	42	59	60	44	45	50	38	42	44	35	37	34	39	45	29	26
Other White	254	251	264	238	222	201	157	177	158	146	139	130	139	120	119	102	100
Other Black	481	535	602	610	518	533	436	425	389	342	283	257	252	236	257	215	196
Neonatal Mortality Rate (3) Total	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	4.2	4.0
Puerto Rican	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	5.0	5.5
Other Hispanic	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	3.8	3.6
Asian and Pacific Islander	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	2.0	1.7
Other White	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	2.8	2.7
Other Black	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	6.7	6.4
Maternal Causes, Total *	29	28	26	29	35	24	30	20	29	26	22	17	16	24	30	41	32
Puerto Rican	4	2	2	4	1	4	2	2	4	3	1	1	1	1	-	2	-
Other Hispanic	-	4	6	2	4	2	3	2	5	7	4	2	2	3	7	7	7
Asian and Pacific Islander	2	6	1	1	1	-	1	-	2	1	1	1	1	1	1	-	-
Other White	6	3	2	2	2	2	6	-	6	-	4	2	2	6	2	4	7
Other Black	14	8	15	20	25	15	16	14	12	14	11	11	10	12	20	27	17
Maternal Mortality Rate (4) Total	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	33.1	26.0
Puerto Rican	22.1	10.7	10.6	20.8	5.2	21.2	11.2	12.1	26.3	21.6	5.7	7.7	7.7	8.2	-	18.4	-
Other Hispanic	-	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	23.9	23.9
Asian and Pacific Islander	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	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	10.9	19.2
Other Black	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	84.1	55.4

* Includes deaths while pregnant or within 42 days of termination. See 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.

Table 47.

Cases of Reportable Diseases, New York City, 1940-2002

Year	Tuberculosis	Measles	Rubella	West Nile Virus**	Pertussis	Meningococcal Meningitis	Scarlet Fever	Encephalitis	Hepatitis A	Hepatitis B	Syphilis		Gonorrhea
											Total	Primary & Secondary	
1940	9,005	10,496	988		5,775	48	13,569	28			30,178	3,113	14,639
1941-1945	8,608	24,890	7,360		5,706	705	8,111	42			25,773	4,124	13,955
1946-1950	7,862	17,348	2,442		2,574	145	3,579	55			24,144	2,686	21,522
1951-1955	7,002	20,025	3,956		1,726	135	2,253	256			22,046	685	12,468
1956-1960	5,472	18,170	3,893		966	73	2,125	197			15,124	1,242	13,270
1961-1965	4,427	12,279	5,744		253	58	1,442	172			19,052	3,259	23,005
1966	3,663	8,381	1,036		206	56	799	146			13,724	2,364	29,679
1967	3,542	529	1,030		179	65	731	61			13,918	1,987	27,373
1968	3,224	2,445	3,074		122	90	732	61			13,204	2,172	32,637
1969	2,951	5,033	1,185		149	88	891	57			11,439	2,630	36,729
1970	2,590	1,154	685		163	90	513	35			10,362	3,780	36,783
1971	2,572	3,819	626		55	60	614	19			11,642	3,854	38,472
1972	2,275	447	271		79	44	445	11			10,390	4,106	48,414
1973	2,101	965	502		77	37	708	26			7,334	3,256	45,467
1974	2,022	651	173		75	26	402	17			7,593	3,184	42,071
1975	2,151	170	193		40	32	463	14			7,236	2,864	39,981
1976	2,151	497	163		43	51	609	20			6,832	2,494	40,589
1977	1,605	804	336		47	64	583	20	566	670	4,749	1,881	39,302
1978	1,307	405	152		54	88	271	30	499	493	5,567	2,060	40,208
1979	1,530	859	290		44	91	312	17	386	488	6,680	2,552	40,034
1980	1,514	1,210	105		30	110	319	15	364	562	5,906	2,387	43,699
1981	1,582	108	55		25	91	464	20	606	879	6,878	2,568	45,859
1982	1,594	49	36		53	104	583	21	689	1,117	7,296	2,602	46,960
1983	1,651	72	87		61	89	454	14	507	1,327	6,822	2,473	46,117
1984	1,629	113	111		20	75	427	9	560	1,528	6,796	2,285	48,032
1985	1,843	181	184		26	70	409	18	N.A.	N.A.	6,947	2,157	58,532
1986	2,223	944	2		10	81	N.A.	21	N.A.	N.A.	6,465	2,111	69,998
1987	2,197	449	3		15	57	206	8	172	1,213	10,472	4,452	84,022
1988	2,317	57	7		11	66	81	6	368	1,307	11,966	5,042	52,404
1989	2,545	135	16		19	50	108	9	502	1,418	13,748	4,362	40,533
1990	3,520	1,108	4		21	79	175	12	791	674	16,195	4,265	35,236
1991	3,673	1,909	2		22	30	325	5	1,283	440	14,895	3,133	28,945
1992	3,811	68	0		24	28	258	9	883	439	13,439	2,246	21,709
1993	3,235	19	22		116	40	267	5	1,028	472	10,476	1,129	18,477
1994	2,995	15	1		223	40	335	11	942	544	7,640	626	19,246
1995	2,445	5	6		36	54	211	8	1,008	494	7,577	362	16,361
1996	2,053	12	5		62	56	164	4	619	495	5,670	138	12,998
1997	1,730	13	25		42	57	218	14	920	460	4,889	97	14,556
1998	1,558	0	17		12	35	527	14	575	415	4,503	82	12,100
1999	1,460	3	6	46	7	59	310	143	412	305	3,682	130	12,207
2000	1,332	13	8	14	11	46	350	178	550	571	2,661	117	11,669
2001	1,261	7	6	9	6	42	481	172	454	666	3,267	282	12,614
2002	1084*	6	2	29	5	31	881	211	453	704	3,444	434	12,811

Note: Figures for single years from 1941 to 1955 appear in the annual summaries for 1995 and earlier.

Polio cases are no longer in this table due to their low occurrences.

* Data are incomplete due to reporting lag.

** In the 1999 West Nile viral disease data, both hospitalized cases (n=44) and milder illness cases (n=2) are included. Beginning in 2000, only hospitalized cases of West Nile encephalitis or aseptic meningitis are included.

Source of data: Bureau of Communicable Disease, Immunization, and Tuberculosis Control, New York City Department of Health and Mental Hygiene.

Table 48.

Incidence of AIDS By Sex, Major Risk Group, and Year of Diagnosis, New York City, 1980-2002

Sex/Risk Group	1980-1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
Male														
Intravenous Drug Use (IDU)	8,505	2,721	3,149	3,915	4,591	4,166	3,353	2,498	1,773	1,202	1,073	1,005	594	387
Sex with Men	13,408	2,648	2,856	3,208	3,573	3,571	2,720	1,956	1,424	1,104	1,053	1,135	964	801
IDU and Sex with Men	1,300	241	335	336	302	221	175	146	127	83	98	84	82	45
Transfusion	183	33	28	29	33	51	48	40	30	30	10	17	24	12
Heterosexual Transmission	82	36	70	124	233	350	416	403	351	322	279	366	334	295
Other	1347	385	519	638	770	1,114	1524	1,592	1,342	1,028	1,056	1,519	1,369	1,152
Total	24,825	6,064	6,957	8,250	9,502	9,473	8,236	6,635	5,047	3,769	3,569	4,126	3,367	2,692
Female														
Intravenous Drug Use	2,618	980	1,254	1,499	1,740	1,601	1,353	1,038	790	553	465	458	312	163
Heterosexual Transmission	1,031	435	532	704	1,035	1,069	1,018	858	732	559	495	577	476	371
Transfusion	112	19	12	24	21	28	34	39	29	24	14	17	17	18
Other	679	222	248	333	360	470	630	708	729	633	615	937	872	712
Total	4,440	1,656	2,046	2,560	3,156	3,168	3,035	2,643	2,280	1,769	1,589	1,989	1,677	1,264

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 HIV Epidemiology Program, (212) 442-3388.

Figures include reports through August 2003; data for recent years are incomplete due to reporting lag.

Source of data: HIV Epidemiology Program, Bureau of HIV/AIDS, New York City Department of Health and Mental Hygiene.

**Table 49. Marriages, Births, Deaths, and Infant Deaths by Month and Average per Day
New York City, 2002**

MONTHS	NUMBER				AVERAGE PER DAY			
	MARRIAGES	BIRTHS	DEATHS	INFANT DEATHS	MARRIAGES	BIRTHS	DEATHS	INFANT DEATHS
January	4,563	10,226	5,740	82	147	330	185	2.6
February	4,625	9,347	4,998	59	165	334	179	2.1
March	5,003	10,263	5,173	60	161	331	167	1.9
April	5,721	9,967	4,841	75	191	332	161	2.5
May	6,363	10,325	4,890	54	205	333	158	1.7
June	5,752	10,080	4,472	53	192	336	149	1.8
July	6,549	10,647	4,829	66	211	343	156	2.1
August	6,798	10,805	4,675	48	219	349	151	1.5
September	5,653	10,324	4,552	52	188	344	152	1.7
October	5,465	10,608	4,941	46	176	342	159	1.5
November	4,421	10,028	5,062	81	147	334	169	2.7
December	4,577	10,317	5,478	66	148	333	177	2.1
Total	65,490	122,937	59,651	742	179	337	163	2.0

Source of data: Number of marriage is provided by New York City Office of City Clerk.

**Table 50. Most Popular Baby Names by Sex
New York City, Selected Years**

Rank	GIRLS											
	1898	1928	1948	1980	1985	1990	1995	1998	1999	2000	2001	2002
1	Mary	Mary	Linda	Jennifer	Jennifer	Stephanie	Ashley	Ashley	Ashley	Ashley	Ashley	Ashley
2	Catherine	Marie	Mary	Jessica	Jessica	Jessica	Jessica	Samantha	Samantha	Samantha	Kayla	Emily
3	Margaret	Annie	Barbara	Melissa	Christina	Ashley	Amanda	Jessica	Emily	Kayla	Samantha	Kayla
4	Annie	Margaret	Patricia	Nicole	Stephanie	Jennifer	Samantha	Amanda	Sarah	Emily	Emily	Brianna
5	Rose	Catherine	Susan	Michelle	Melissa	Amanda	Stephanie	Nicole	Nicole	Brianna	Jessica	Samantha
6	Marie	Gloria	Kathleen	Elizabeth	Nicole	Samantha	Jennifer	Emily	Kayla	Sarah	Brianna	Sarah
7	Esther	Helen	Carol	Lisa	Elizabeth	Nicole	Nicole	Jennifer	Jessica	Jessica	Nicole	Nicole
8	Sarah	Teresa	Nancy	Christina	Amanda	Christina	Sarah	Sarah	Brianna	Nicole	Sarah	Jessica
9	Frances	Joan	Margaret	Tiffany	Danielle	Melissa	Michelle	Brianna	Amanda	Michelle	Destiny	Michelle
10	Ida	Barbara	Diane	Maria	Lauren	Michelle	Emily	Stephanie	Jennifer	Amanda	Michelle	Isabella

Rank	BOYS											
	1898	1928	1948	1980	1985	1990	1995	1998	1999	2000	2001	2002
1	John	John	Robert	Michael	Michael	Michael	Michael	Michael	Michael	Michael	Michael	Michael
2	William	William	John	David	Christopher	Christopher	Christopher	Christopher	Justin	Justin	Justin	Justin
3	Charles	Joseph	James	Jason	Daniel	Jonathan	Kevin	Justin	Matthew	Christopher	Christopher	Daniel
4	George	James	Michael	Joseph	David	Anthony	Daniel	Joseph	Christopher	Matthew	Daniel	Matthew
5	Joseph	Richard	William	Christopher	Anthony	David	Jonathan	Matthew	Joseph	Daniel	Matthew	Christopher
6	Edward	Edward	Richard	Anthony	Joseph	Daniel	Joseph	Anthony	Daniel	Anthony	Joseph	Joseph
7	James	Robert	Joseph	John	Jonathan	Joseph	Anthony	Daniel	Anthony	Joshua	Anthony	Anthony
8	Louis	Thomas	Thomas	Daniel	Jason	Matthew	Matthew	Brandon	David	David	David	Joshua
9	Francis	George	Stephen	Robert	John	John	David	Nicholas	Kevin	Joseph	Joshua	Nicholas
10	Samuel	Louis	David	James	Robert	Andrew	Justin	David	Joshua	Kevin	Kevin	David

**Table 51. Most Popular Baby Names by Sex and Mother's Ethnic Group
New York City, 2002**

Rank	GIRLS				BOYS			
	HISPANIC	BLACK	WHITE	ASIAN & P.I.	HISPANIC	BLACK	WHITE	ASIAN & P.I.
1	Ashley	Kayla	Sarah	Michelle	Justin	Justin	Michael	Jason
2	Jennifer	Brianna	Julia	Emily	Christopher	Joshua	Joseph	Kevin
3	Emily	Jada	Rachel	Jenny	Kevin	Elijah	Nicholas	Andrew
4	Brianna	Aaliyah	Olivia	Jessica	Anthony	Isaiah	Daniel	Justin
5	Samantha	Ashanti	Isabella	Ashley	Brandon	Michael	Matthew	Matthew*
6	Destiny	Ashley	Samantha	Sarah	Daniel	Jordan	John	Ryan*
7	Stephanie	Destiny	Chaya*	Sophia	Michael	Brandon	Jacob	William*
8	Nicole	Jasmine	Emma*	Tiffany	Angel*	Anthony	David	Eric
9	Kimberly*	Briana	Emily	Amy*	Jose*	Christopher	Christopher	Andy
10	Melanie*	Nia	Alexandra**	Kelly*	Joshua	Jaden	Alexander	Daniel

*, ** 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 52. Live Births by Borough and Institution, New York City, 2002

Borough and Institution	Births
Manhattan	
Allen Pavilion	2,597
Bellevue Hospital Center	2,100
Beth Israel Medical Center	3,473
Columbia Presbyterian Medical Center	3,833
Elizabeth Seton Childbearing Center	227
Harlem Hospital Center	1,014
Lenox Hill Hospital	3,703
Metropolitan Hospital Center	1,908
Mount Sinai Hospital	4,621
NYU Downtown Hospital	2,339
NYU Hospital Center - Tisch Hospital	4,359
New York Weill Cornell Medical Center	5,527
St. Luke's - Roosevelt Hospital Center / Roosevelt Hospital Division	3,086
St. Luke's - Roosevelt Hospital Center / St. Luke's Hospital Division	821
St. Vincent's Hospital Manhattan	1,660
Home	36
Bronx	
Bronx Lebanon Hospital Center	2,638
Jack D. Weiler Hospital of the Albert Einstein College of Medicine	4,588
Jacobi Medical Center	2,070
Lincoln Medical and Mental Health Center	2,761
North Central Bronx Hospital	1,774
Our Lady of Mercy Medical Center	2,100
St. Barnabas Hospital	1,441
Women's Health & Birthing Center	151
Home	6
Brooklyn	
Brookdale University Hospital and Medical Center	1,832
Brooklyn Birthing Center	24
Brooklyn Hospital Center	3,247
Coney Island Hospital	1,175
Interfaith Medical Center	558
Kings County Hospital Center	2,331
Kingsbrook Jewish Medical Center	1
Long Island College Hospital	2,455
Lutheran Medical Center	3,676
Maimonides Medical Center	5,705
New York Methodist Hospital	4,665
St. Mary's Hospital	957
University Hospital of Brooklyn	1,669
Victory Memorial Hospital	768
Woodhull Medical and Mental Health Center	1,305
Wyckoff Heights Medical Center	1,832
Home	60
Queens	
Elmhurst Hospital Center	4,602
Flushing Hospital Medical Center	1,833
Jamaica Hospital Medical Center	3,397
Long Island Jewish Medical Center	5,945
Mount Sinai Hospital of Queens	1
New York Hospital Medical Center of Queens	3,315
North Shore University Hospital at Forest Hills	1,317
Queens Hospital Center	1,768
St. John's Episcopal Hospital	906
St. John's Queens Hospital	2,189
Home	21
Staten Island	
St. Vincent's Staten Island Hospital	3,677
Staten Island University Hospital	2,873
New York City Total	122,937

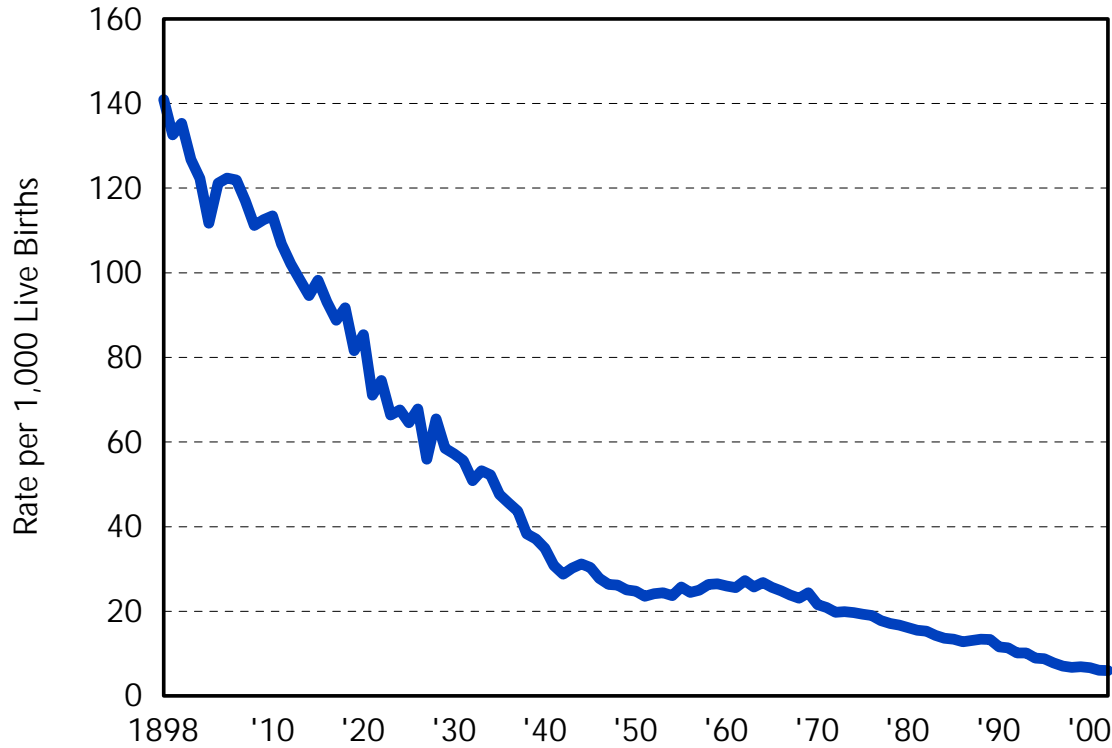


Figure 14. Infant Mortality Rate
New York City, 1898 - 2002

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 6.0 deaths per 1,000 live births in 2002, an historic low.

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 2000 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 complications of pregnancy, childbirth and the puerperium occurring within 42 days of delivery per 100,000 live births.

Special Section: World Trade Center Disaster Deaths

World Trade Center Disaster Deaths

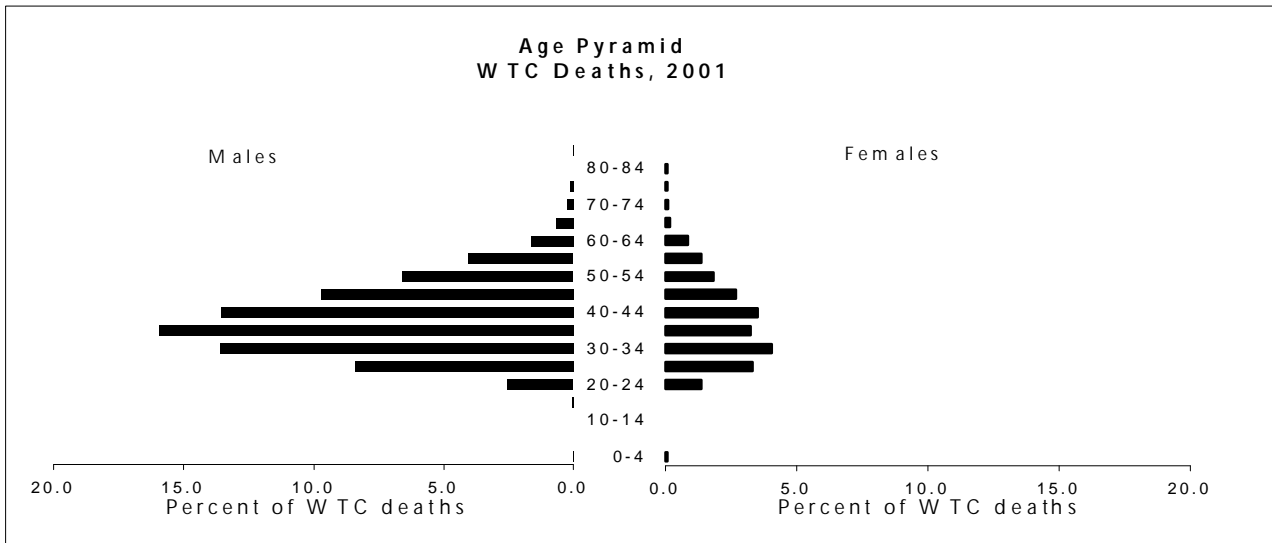
This special section presents preliminary data on the deaths caused by the World Trade Center disaster on the morning of September 11, 2001. The data presented are based on 2,746 death certificates filed with the Office of Vital Records and 3 deaths that occurred outside New York City through October 31, 2003, a little more than two years after the event. Data have been updated according to corrections and amendments submitted by the Medical Examiner's Office and family members. Most of the death certificates were issued in the absence of a body as a result of a court order. When remains are identified, the death certificate is amended to reflect the new information. At the time of publication, the official estimate of WTC deaths is 2,752. Since the death certificates of three people reported missing have not yet been resolved by the courts, the data are still not final.

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 of the reported deaths was homicide. Death certificates for the airplane hijackers have not been issued and are not included in these data; these deaths would be classified as suicides if prepared by the Medical Examiner.

The figures and tables below present data on selected demographic and other characteristics of the decedents. Figure WTC1 and Table WTC1 show that the majority of decedents were young men, with modal age 35-39 years. The median ages are 39 for men and 38 for women. Table WTC2 shows that virtually all of the deaths occurred at the time of the attack; only thirteen occurred later than September 11, 2001. Table WTC3 shows that about 29% of decedents were never married and 63% were married or separated. Table WTC4 presents the number of decedents by borough of residence of New York City, New York State counties, other states, and foreign countries. It shows that about 43% of decedents lived in New York City, another 22% lived elsewhere in New York State, and about 34% lived in other places of the United States. Twenty-five percent were residents of New Jersey. A total of 91 decedents were residents of Massachusetts, the origin of the two airplanes that struck the WTC, and 30 were residents of California, the

destination of the flights. Table WTC5 presents that of these 2,749 decedents, 61% were non-Hispanic white males, 15% were non-Hispanic white females, 7% were Hispanic males, 3% were Hispanic females, 5% were non-Hispanic black males, 3% were non-Hispanic black females, 4% were Asian/Pacific Islander males, and 2% were Asian/Pacific Islander females. A total of 1,849, 67% of all decedents, had graduated from college or had some postgraduate education. Table WTC6 presents the birthplace of the decedents (limited to five or more occurrences); while only 1% were residents of foreign countries, 21% were born abroad. About 98% of those killed were at work at the time, as seen in Table WTC7. Tables WTC8 and WTC9 are compiled from the Census of Fatal Occupational Injuries (U.S. Department of Labor, Bureau of Labor Statistics, in cooperation with the New York City Department of Health and Mental Hygiene and State and Federal agencies). Forty-three percent were in managerial and professional specialty occupations, 34% were in technical, sales, and administrative support occupations, and 20% were in service occupations. Eighty-one percent worked for private industry and 19% worked for government at the time of the incident. Among those who worked for private industry, 78% were in the finance, insurance, and real estate industries. Table WTC10 shows the impact of WTC death on the 2000 life expectancy estimation. When WTC deaths were included in 1999-2001 New York City death data, life expectancy at birth decreased by 0.2 year for males. There was no change of life expectancy at birth for females. The biggest change, -0.4 year, was at age 15 for non-Hispanic white males. Figure WTC2 is new and presents the number of births by week, 2000-2002, from which shows no apparent increase or decrease in the number of births 9 months after the attack. The data in Tables WTC11 and WTC12 are from the NYC Office of Chief Medical Examiner (OCME). As of November 10, 2003 the OCME had issued 2,746 death certificates, including 1,530 for victims identified and 1,216 for decedents whose remains had not been found or identified. Methods used to identify decedents by a single modality included DNA 79%, dental radiographs 11%, and fingerprints 5%. Multiple modalities were used to identify 527 decedents, and 1,003 were identified by a single modality.

Figure WTC1. Age and Sex of Decedents*
 (Preliminary data, reported by October 31, 2003)



* Includes three deaths outside New York City.

Table WTC1. Age and Sex of Decedents*
(Preliminary data, reported by October 31, 2003)

Age	Number		
	Male	Female	All
0-4	1	2	3
5-9	0	0	0
10-14	0	0	0
15-19	2	0	2
20-24	70	37	107
25-29	231	91	322
30-34	374	111	485
35-39	439	89	528
40-44	375	97	472
45-49	266	74	340
50-54	181	50	231
55-59	111	37	148
60-64	45	24	69
65-69	18	5	23
70-74	7	3	10
75-79	4	2	6
80-84	0	2	2
85+	1	0	1
Total	2,125	624	2,749
Median age	39	38	39

* Includes three deaths outside New York City.

Table WTC2. Deaths by Date of Death
(Preliminary data, reported by October 31, 2003)

Date of Death	Number
September 11, 2001	2,736
September 15, 2001	2
September 16, 2001	1
September 22, 2001 - Missouri*	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
November 28, 2001	1
December 11, 2001 - Massachusetts*	1
January 01, 2002 - New Jersey*	1
Total	2,749

* Deaths occurred outside New York City.

Table WTC3. Marital Status of Decedents*
(Preliminary data, reported by October 31, 2003)

Marital Status	Number
Married or separated	1,721
Never married	804
Divorced	183
Widowed	39
Unknown	2
Total	2,749

* Includes three deaths outside New York City.

Table WTC4. Residence of Decedents*
(Preliminary data, reported by October 31, 2003)

Residence	Number
New York City	1,179
Manhattan	340
Bronx	93
Brooklyn	293
Queens	258
Staten Island	195
New York State Counties Outside of New York City	597
Cattaraugus	1
Columbia	1
Delaware	1
Dutchess	6
Monroe	1
Nassau	243
Onondaga	1
Orange	34
Putnam	6
Rockland	46
Saratoga	2
Suffolk	143
Tompkins	1
Ulster	2
Westchester	109
United States Outside of New York State	946
Arizona	1
California	30
Colorado	2
Connecticut	64
Delaware	1
Florida	2
Georgia	4
Illinois	9
Indiana	1
Louisiana	1
Maine	4
Maryland	3
Massachusetts	91
Michigan	2
Missouri	2
New Hampshire	9
New Jersey	679
New Mexico	1
Ohio	1
Pennsylvania	27
Rhode Island	5
Tennessee	1
Texas	2
Utah	1
Virginia	3
Rest of the World	27
Australia	2
Bermuda	1
Canada	5
El Salvador	1
Germany	4
Israel	1
Japan	2
United Kingdom	11
Total	2,749

* Includes three deaths outside New York City.

Table WTC5. Deaths by Ethnic Group, Education, and Sex*
(Preliminary data, reported by October 31, 2003)

Ethnic/Education	Number		
	Male	Female	All
Hispanic			
Less than high school	11	2	13
High school	68	20	88
Some college	32	24	56
College or more	70	35	105
Unknown	1	-	1
Total	182	81	263
Non-Hispanic White			
Less than high school	5	1	6
High school	252	97	349
Some college	201	36	237
College or more	1,206	267	1,473
Unknown	12	3	15
Total	1,676	404	2,080
Non-Hispanic Black			
Less than high school	4	-	4
High school	44	26	70
Some college	22	8	30
College or more	64	43	107
Unknown	2	3	5
Total	136	80	216
Asian/Pacific Islander			
Less than high school	-	-	-
High school	8	1	9
Some college	5	4	9
College or more	107	48	155
Unknown	1	2	3
Total	121	55	176
Other and Unknown			
Less than high school	-	-	-
High school	2	1	3
Some college	1	1	2
College or more	7	2	9
Unknown	-	-	-
Total	10	4	14
All Ethnic Groups			
Less than high school	20	3	23
High school	374	145	519
Some college	261	73	334
College or more	1,454	395	1,849
Unknown	16	8	24
Total	2,125	624	2,749

* Includes three deaths outside New York City.

Table WTC6. Deaths by Birthplace*
(Preliminary data, reported by October 31, 2003)

Birthplace	Number
United States	2,176
United Kingdom	53
India	36
Puerto Rico	35
Dominican Republic	27
Japan	25
Jamaica	21
Canada	18
China	18
Colombia	18
Germany	16
Philippines	16
Trinidad and Tobago	15
Ecuador	14
Guyana	14
Italy	13
Ukraine	11
Korea	10
Ireland	8
Pakistan	8
Poland	8
Cuba	7
Haiti	7
Russia	7
Taiwan	7
Yugoslavia	6
Argentina	5
Austria	5
Bangladesh	5
Mexico	5
All Other Places	135
Total	2,749

* Includes three deaths outside New York City.

Table WTC7. Deaths at Work*
(Preliminary data, reported by October 31, 2003)

Deaths at Work	Number
Yes	2,683
No	66
Total	2,749

* Includes three deaths outside New York City.

See Technical Notes on World Trade Center Death Data.

Table WTC8. Occupation of Decedents*

Occupation	Number	Occupation	Number
Managerial and professional specialty	1,167	Information clerks	30
Executive, administrative, and managerial	991	Records processing occupations, except financial	15
Management related occupations	217	Financial records processing occupations	15
Accountants and auditors	129	Mail and message distributing occupations	10
Professional specialty	176	Material recording, scheduling, and distributing clerks	8
Engineers, architects, and surveyors	36	Adjusters and investigators	42
Mathematical and computer scientists	103	Miscellaneous administrative support	29
Computer systems analysts and scientists	96	Service occupations	540
Lawyers	21	Protective service occupations	433
Writers, artists, entertainers, and athletes	7	Firefighting and fire prevention occupations	336
Technical, sales, and administrative support	913	Police and detectives, including supervisors	64
Technicians and related support occupations	86	Guards, including supervisors	33
Health technologists and technicians	8	Service occupations, except protective and household	107
Engineering and related technologists and technicians	27	Food preparation and service occupations	64
Technicians, except health, engineering, and science	51	Cleaning and building service occupations	25
Airplane pilots and navigators	4	Personal service occupations	18
Sales occupations	562	Precision production, craft, and repair	59
Supervisors and proprietors, sales occupations	23	Mechanics and repairers	18
Sales representatives, finance and business services	521	Construction trades	39
Securities and financial services sales occupations	475	Supervisors, construction occupations	6
Sales representatives, commodities except retail	5	Construction trades, except supervisors	33
Sales workers, retail and personal services	13	Operators, fabricators, and laborers	14
Administrative support occupations, including clerical	265	Transportation and material moving occupations	7
Supervisors, administrative support occupations	18	Handlers, equipment cleaners, helpers, and laborers	7
Secretaries, stenographers, and typists	96	Total	2,699

Source: U.S. Department of Labor, Bureau of Labor Statistics, in cooperation with the New York City Department of Health and Mental Hygiene and State and Federal agencies, Census of Fatal Occupational Injuries. Totals for major categories may include subcategories not shown separately.

* Includes deaths for which certificates have not been filed and three deaths outside New York City. See Technical Notes.

Table WTC9. Deaths by Selected Industries*

Industry	Number	Industry	Number
Private Industry	2,199	Real estate	12
Construction	58	Holding and other investment offices	5
General building contractors	13	Services	193
Heavy construction, except building	13	Business services	131
Special trade contractors	32	Services to buildings	17
Manufacturing	30	Personnel supply services	4
Printing and publishing	21	Computer and data processing services	66
Instruments and related products	5	Miscellaneous business services	38
Transportation and public utilities	62	Amusement and recreation services	3
Local and interurban passenger transit	3	Health services	4
Trucking and warehousing	4	Legal services	11
Transportation by air	23	Engineering and management services	34
Transportation services	12	Government	500
Communications	14	Federal Government (including resident armed forces)	5
Electric, gas, and sanitary services	4	Public Administration	5
Wholesale trade	25	State Government	46
Wholesale trade-durable goods	24	Public Administration	46
Retail trade	115	Justice, public order, and safety	3
Apparel and accessory stores	7	Finance, taxation, and monetary policy	40
Furniture and home furnishings stores	4	Administration of Economic Programs	3
Eating and drinking places	103	Local Government	449
Finance, insurance, and real estate	1,714	Public Administration	449
Depository institutions	192	Justice, public order, and safety	370
Security and commodity brokers	973	Administration of Economic Programs	79
Insurance carriers	202	Total	2,699
Insurance agents, brokers, and service	330		

Source: U.S. Department of Labor, Bureau of Labor Statistics, in cooperation with the New York City Department of Health and Mental Hygiene and State and Federal agencies, Census of Fatal Occupational Injuries. Totals for major categories may include subcategories not shown separately.

* Includes deaths for which certificates have not been filed and three deaths outside New York City. See Technical Notes.

Table WTC10. The Impact of WTC Deaths on 2000 Life Expectancy in New York City

Exact Age	Male							
	Total	Change (years)*	Hispanic	Change (years)*	Non-Hispanic White	Change (years)*	Non-Hispanic Black	Change (years)*
0	74.3	-0.2	76.0	-0.1	74.6	-0.3	69.1	0.0
1	73.8	-0.2	75.3	-0.1	74.2	-0.3	68.9	-0.1
5	69.9	-0.2	71.3	-0.1	70.3	-0.3	65.0	-0.1
10	65.0	-0.2	66.3	-0.2	65.4	-0.3	60.1	-0.1
15	60.1	-0.1	61.4	-0.1	60.4	-0.4	55.2	-0.1
20	55.2	-0.2	56.5	-0.1	55.6	-0.3	50.5	-0.1
25	50.6	-0.1	51.8	-0.1	50.9	-0.3	46.0	-0.1
30	45.9	-0.1	47.0	-0.1	46.2	-0.2	41.6	0.0
35	41.2	-0.1	42.4	-0.1	41.5	-0.2	37.2	0.0
40	36.7	-0.1	37.9	0.0	37.0	-0.1	32.9	0.0
45	32.4	0.0	33.6	0.0	32.6	-0.1	28.8	0.0
50	28.3	0.0	29.5	0.0	28.5	0.0	25.2	0.0
55	24.3	-0.1	25.6	0.0	24.4	0.0	21.7	-0.1
60	20.6	0.0	21.8	0.0	20.5	0.0	18.4	0.0
65	17.0	0.0	18.2	0.0	16.9	0.0	15.3	0.0
70	13.8	0.0	14.9	0.0	13.6	0.0	12.6	0.0
75	10.8	0.0	12.0	0.0	10.6	0.0	10.2	0.0
80	8.2	0.0	9.4	0.0	7.9	0.0	8.2	0.0
85	6.1	0.0	7.3	0.0	5.7	0.0	6.6	0.0

Exact Age	Female							
	Total	Change (years)*	Hispanic	Change (years)*	Non-Hispanic White	Change (years)*	Non-Hispanic Black	Change (years)*
0	80.2	0.0	82.6	0.0	80.2	-0.2	76.4	-0.1
1	79.6	-0.1	81.8	-0.1	79.8	-0.1	76.1	-0.1
5	75.7	-0.1	77.9	0.0	75.9	-0.1	72.2	-0.1
10	70.8	0.0	72.9	0.0	71.0	-0.1	67.3	-0.1
15	65.8	-0.1	67.9	-0.1	66.0	-0.1	62.4	0.0
20	60.9	-0.1	63.0	0.0	61.1	-0.1	57.5	0.0
25	56.0	-0.1	58.1	0.0	56.2	-0.2	52.7	0.0
30	51.2	0.0	53.2	0.0	51.3	-0.1	47.9	0.0
35	46.4	0.0	48.4	0.0	46.5	-0.1	43.3	0.0
40	41.7	0.0	43.7	0.0	41.8	0.0	38.8	0.0
45	37.1	0.0	39.1	0.0	37.1	-0.1	34.4	0.0
50	32.6	0.0	34.5	0.0	32.6	0.0	30.3	0.0
55	28.3	0.0	30.0	0.0	28.1	-0.1	26.3	0.0
60	24.1	0.0	25.7	0.0	23.9	0.0	22.4	0.0
65	20.1	0.0	21.5	0.0	19.9	0.0	18.8	0.0
70	16.4	0.0	17.7	0.0	16.1	0.0	15.5	0.0
75	12.9	0.0	14.1	0.0	12.6	0.0	12.5	0.0
80	9.7	0.0	10.8	0.0	9.4	0.0	9.8	0.0
85	7.0	0.0	7.9	0.0	6.7	0.0	7.3	0.0

Note: Three year (1999-2001) death data, including WTC disaster deaths, are used to estimate 2000 life expectancy to smooth the outcome.

* Years of life expectancy changed by including WTC deaths. See Table 22 for 2000 life expectancy excluding WTC deaths.

Figure WTC2. Number of Births by Week, New York City, 2000-2002

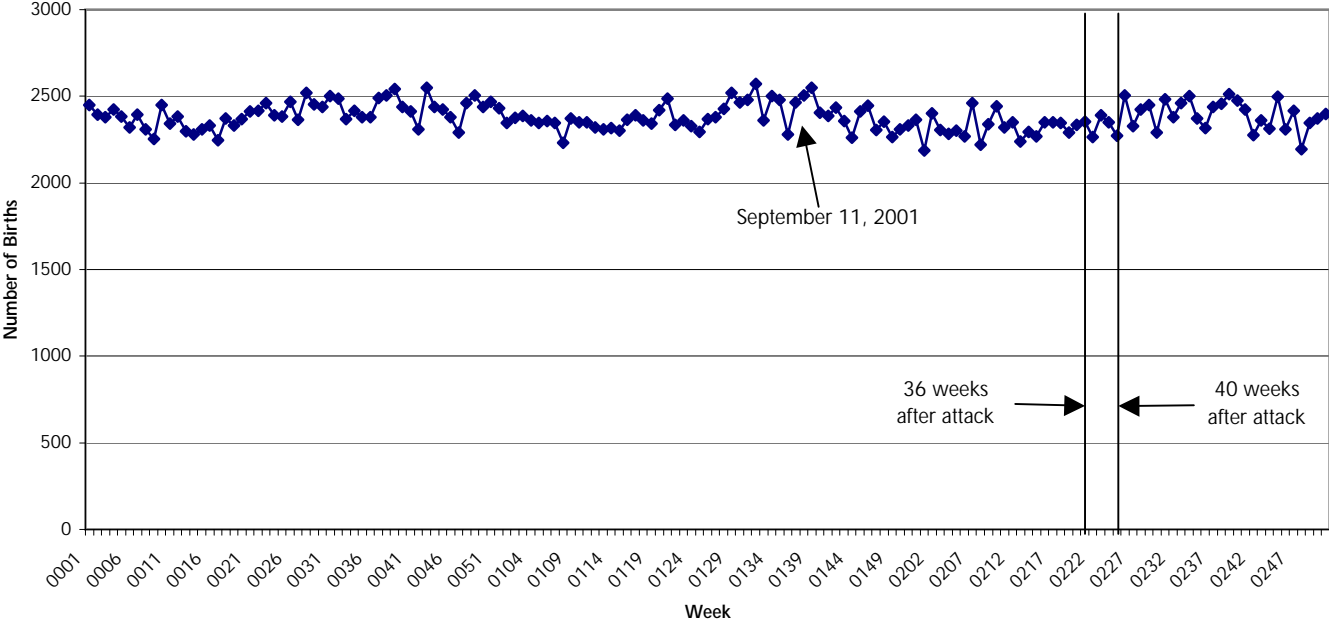


Table WTC11. Methods Used to Identify WTC Victims

Identification Method	By a Single Modality		By Multiple Modalities	
	Number	Percent	Number	Percent
D N A	794	79.2	448	85.0
Dental x-ray	107	10.7	418	79.3
Fingerprints	54	5.4	213	40.4
Photo	11	1.1	14	2.7
Remains viewed	12	1.2	2	0.4
Body x-ray	-	0.0	3	0.6
Personal effects	17	1.7	58	11.0
Tattoos	-	0.0	6	1.1
Other	8	0.8	33	6.3
All	1,003	100.0	527	226.8*

* The total exceeds 100% because modalities overlap; there were over 40 combinations of modalities used.

Source: New York City Office of Chief Medical Examiner, as of November 10, 2003.

Table WTC12. Status of Identification of WTC Victims

Victim Identification Status	Number	Percent	Remain Identification Status	Number	Percent
Victims identified	1,530	55.6	Remains identified	8,161	41.0
Victims not identified	1,219	44.3	Remains not identified	11,756	59.0
Victims died outside NYC	3	0.1	All remains recovered	19,917	100.0
All reported missing	2,752	100.0			

Source: New York City Office of Chief Medical Examiner, as of November 10, 2003.

TECHNICAL NOTES, 2002

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 and Mental Hygiene. 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 49 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. Tables WTC7, WTC8 and WTC9 use data compiled from the Census of Fatal Occupational Injuries (CFOI). See note on World Trade Center Death Data 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. Recently, the Census Bureau produced a modified race file (Census 2000 Modified Race Data [MR (31)-CO.txt]). Therefore Table 2 was changed by using modified race population data. The major effects are a reduction of 65% in the total for "Other and Multiple Race" and increases of 3%, 3%, and 6% for "Non-Hispanic White", "Non-Hispanic Black", and "Asian and Pacific Islander", respectively. There was no change for Hispanic population.

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 expo-

ponential formula which assumes that the growth rate was the same through the decade: $\text{pop}(t1)/\text{pop}(t0) = e^{rt}$ (where r is a constant growth rate and t is the interval).

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 for New York City 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 and reduce the large effect an unusual event in a single year can have, such as a flu epidemic or the World Trade Center disaster.

! 1990 Census MARS (modified for age, race, and sex) population and 1989-1991 mortality data were used to calculate 1990 life expectancy, average yearly age-sex-specific death rates for the three years (Table 23), and cause-specific average yearly age-sex-race adjusted death rates (Table 24). 2000 census population data and 1999-2001 mortality data were used to prepare these tables. 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. For 1999-2001, cause-specific rates are adjusted only for age to avoid losing too much information from crude death rates. A new 2000 US standard population is used to calculate cause-specific age-adjusted death rates while for earlier years the 1940 standard US population was used. Since Census Bureau has not produced MR 2000 data by single year of age, there is no change for life expectancy calculation and age-adjusted death rates..

! 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 data were also used to compute 1980 life expectancy tables to facilitate comparisons with 1990 figures. For 2000, mortality data also include all New York City residents regardless of place of occurrence. Mortality data were obtained from NCHS, which may include more non-New York City occurrences than previous years when the data were obtained from New York State. Another line is drawn in Table 24 to show these differences, data source and standard population, between the 1999-2001 period and earlier years.

! 2000 life expectancy was estimated by ethnic

groups instead of race to ascertain differences among Hispanics, non-Hispanic whites and non-Hispanic blacks. To enable comparison, life expectancy was recalculated by ethnic groups for 1990.

! Historical data on Hispanic ancestry and estimates of life expectancy should be used with caution. Before 1993, ancestry of decedents, which may indicate decedents' Hispanic ethnicity, was obtained from the medical certifier. Under-reporting of all ancestries, including Hispanic, was therefore possible. To overcome this problem, death certificates were revised in June 1993 to require funeral directors to provide the ancestry information, presumably from decedents' family members. Hispanic life expectancy may be overestimated because of the age distribution of Hispanics and because of immigration patterns. The age distribution of Hispanics is different from non-Hispanic whites and non-Hispanic blacks, with fewer Hispanics in the older age groups than other ethnic groups. This would cause an underestimate of Hispanic death rates and hence overestimate Hispanic life expectancy. An overestimate of Hispanic life expectancy would also occur if Hispanics moved out of the United States to die at a greater rate than other ethnic groups.

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

TECHNICAL NOTES, 2002

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, non-Hispanic white, non-Hispanic 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 that 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 were 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.

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.

! From 1983 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 HIV Epidemiology Program. 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. Since the 2000 Vital Statistics Summary, new lines have been 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 ...1901-2002, the historical data are correctly relabeled "maternal causes" and a new category, pregnancy, childbirth and the puerperium, is shown beginning in 1999, with ICD-10. In Table 46, Live Births, ... 1986-2002, the difference between the two categories is noted in a footnote, and an error in the 1999 data is corrected. In Table 5, Leading Causes by age, the larger, rankable, cause group appears for age 25-34 in this 2002 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 and tables WTC8 and WTC9, 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

TECHNICAL NOTES, 2002

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.

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 through the Geosupport Program, developed and maintained by the DCP.

AGE OF DECEDENT - For ages greater than one year, decedent's age is based on age at last birthday. For infants, actual age is used in minutes, hours, days or months. In previous editions of the Summary, if age were unknown it was coded to 65. Beginning with the 2001 Summary, unknown ages are not recoded. There were 16 decedents of unknown age, as shown in Table 3.

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 decedent's 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 has been corrected since 1996 to include events where the certificate was filed through a hospital.

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.

<u>Borough</u>	<u>HCD</u>	<u>CD</u>
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 2002, 39 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 7.0 per 1,000 population to 6.9, while the rate for the Bronx changed from 7.0 to 7.1 with the addition of the 39 deaths. Rates for the selected causes may change as well. For 2002 births, 118 events were reassigned, as shown in Table 34 and Table 36: the Manhattan birth rate did not change, while the Bronx rate increased from 15.9 to 16.0 per 1,000 population. Eleven births to teenagers were reassigned from Manhattan to the Bronx, seen in Tables 39 and 41: in Manhattan percent of live births to teens decreased from 6.6 to 6.5, while in Bronx, percent of live births to teens remained same, at 12.2.

! 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 can be found in Department of City Planning, Demographic Profiles, DCP # 92-32-Revised, pp. 293-297.

WORLD TRADE CENTER DEATH DATA -- Data are based on 2,746 death certificates registered with the Office of Vital Records through October 31, 2003. The WTC data used in this report are updated from the 2001 Summary to include information from 6 more death certificates filed in the past year. At the time of this report, the official estimate of WTC deaths is 2,752, including 3 deaths that occurred outside New York City. Since the death certificates of three people reported missing have not yet been resolved by the courts, the data are still not final. No decision has been made on the death certificates of hijackers; therefore the information is not included in WTC data.

The categories of occupations and industries in Special Section (World Trade Center disaster deaths) are from the Census of Fatal Occupational Injuries (CFOI), which is conducted by the U.S. Department of Labor, Bureau of Labor Statistics, in cooperation with New York City Department of Health and Mental Hygiene, State, and Federal

TECHNICAL NOTES, 2002

agencies. The definitions are not the same as the ones on New York City death certificates. New York City death certificates ask for usual occupation, the kind of work done during most of a working lifetime and kind of business or industry. But CFOI uses the occupation at the time of the incident or exposure according to the Bureau of Census Occupational Coding System. Industry is the standard industrial classification

code(SIC) of the employer the decedent was working for at the time of the incident or exposure.

For WTC deaths in table WTC7, New York City has used the CFOI definition where fatal injury meets the CFOI work relationship criteria. Nine death certificates were changed from not at work to at work and 28 cases from at work to not at work according to CFOI's definition.

The total number in Table WTC8 and Table WTC9 includes individuals identified by the Census of Fatal Occupational Injuries even though New York City death certificates have yet been filed, and 3 deaths that occurred outside New York City.

Figure 15. Health Center Districts and Boroughs, New York City



Figure 16. Community Districts and Boroughs, New York City



HIGHLIGHTS, 2002

World Trade Center Disaster - The preliminary data on the deaths caused by the World Trade Center disaster on the morning of September 11, 2001, are presented in a Special Section of this report. The data presented are based on 2,746 death certificates filed with the Office of Vital Records and 3 deaths that occurred outside New York City. At the time of this publication, the official estimate of WTC deaths is 2,752. The Section has been expanded from last year. It includes a new graph that shows no apparent increase or decrease in the number of births nine months after the attack. The Section also includes two tables from the NYC Office of Chief Medical Examiner to show the methods used to identify victims and the status of identification of WTC victims.

West Nile Virus - Twenty nine cases and 3 deaths caused by West Nile Virus (WNV) in 2002 were reported (See Table 4 and Table 47). Among the 29 cases, 19 were male and 10 were female. The median age of the cases was 72 years.

Births and Infant Deaths - The number of live births registered in 2002 decreased 0.9% to 122,937 from 124,023 in 2001, the lowest since 1986. The number of births to teenagers continues to decline in total number, to 9,240, and as a percentage of all live births, to 7.5% (Table 39 - Table 41). This decline mirrors national trends.

The infant mortality rate reached 6.0 infant deaths (under one year of age) per 1,000 live births, the third year of consecutive historic lows. However, the infant mortality rate increased in certain Health Center Districts, such as Pelham Bay, Brownsville, and Fort Greene.

Deaths - The number of deaths in New York City was 59,651 in 2002, another historic low. The death rate for the City also reached an historic low, at 7.4 per 1,000 population. Mean and median ages at death by ethnic group and sex were added to Table 3.

The top three leading causes of death remained the same in 2002, in order: diseases of heart, malignant neoplasms, and influenza and pneumonia. The number of HIV deaths

decreased again, from 1,774 in 2001 to 1,712 in 2002. A new table of leading causes of death by sex for decedents of age less than 65 has been added to this report. The top three leading causes of death for age less than 65 are malignant neoplasms, diseases of heart, and HIV disease. The top three causes among malignant neoplasms (cancer) are trachea-bronchus-lung, breast, and colon-rectum-anus for people who died at age less than 65.

Induced Terminations of Pregnancy - Reported induced terminations of pregnancy in 2002 was 91,800, almost the same as 91,792 in 2001. The number of induced terminations of pregnancy by non-surgical procedures increased 37% from 3,296 in 2001 to 4,519 in 2002, accounting for 5% of all procedure types reported.

Population - The Census Bureau released a modified race file. Therefore, Table 2 was updated following new population data. The major effects are reductions for multiple races and increases for other races. No change for Hispanic origin. See the Technical Notes.

New and Expanded Tables and Figures - The following new tables and figures were added or expanded in the 2002 Summary of Vital Statistics:

- Figure 1. Number of deaths from selected causes, age < 65, 1983-2002; Tables 5 and 6.
 - Expanded to include totals, in addition to male and female;
- Table 5a. Leading causes of death by sex, age < 65, 2002;
- Table 6a. Leading causes of death in specified ethnic groups by sex, age < 65, 2002;
- Table 49. Expanded to include infant deaths;
- Table 52. Live birth by borough and institution, 2002; Figures 5 and 6.
 - Split to show natural causes and external causes separately and to add a few more causes;
- Figure 11. Number of live births, induced terminations, and spontaneous terminations, 1983-2002.



DEPARTMENT OF HEALTH AND MENTAL HYGIENE

Bureau of Vital Statistics

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

<http://www.nyc.gov/health>

December 2003