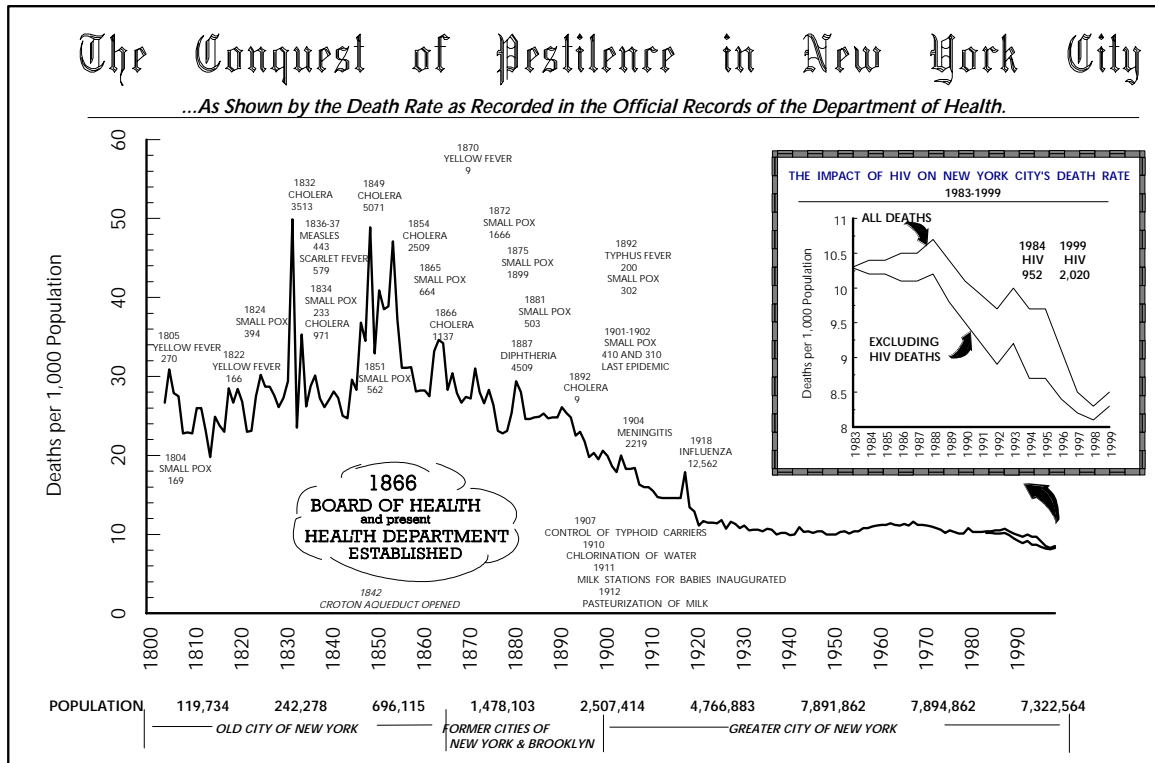


SUMMARY OF VITAL STATISTICS 1999

THE CITY OF NEW YORK



Important Note on Using Cause-of-Death Data

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

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

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

CONTENTS

	PAGE
Table 1	Population, births, marriages, deaths, and infant mortality, 1898-1999 2
Table 2a	Population by age, race and sex, and by Hispanic ancestry, 1990 3
Table 2b	Deaths by age, race and sex, and by Hispanic ancestry, 1999 3
Table 3	Deaths by cause by decedent's borough of residence and sex, and comparability ratio, 1999. 4,5
Table 4	Chief causes of death in specified age groups by sex, 1999. 6,7
Table 4a	Chief causes of death in ethnic groups by sex, 1999. 8
Table 5	Deaths and death rates per 100,000 population from selected causes by health center district of residence, 1999. 9
Table 6	Deaths by place of death, 1989-1999. 10
Table 7	Deaths by ancestry and borough of residence, 1999. 10
Table 7a	Selected characteristics of deaths due to fatal occupational injuries, 1999 10
Table 8	Deaths from accidents by age and sex, 1999. 11
Table 9	Deaths from Intentional self-harm (suicide) by age and sex, 1999. 11
Table 10	Deaths from assault (homicide) and legal intervention by age and sex, 1999. 12
Table 11	Deaths from other injury, event of undetermined intent, by age and sex, 1999. 12
Table 11a	Deaths from complications of medical and surgical care, by age and sex, 1999. 12
Table 12	Deaths from HIV disease by age, sex and ethnic group, 1983-1999. 13
Table 13	Characteristics of decedents with selected causes of death, 1999. 14
Table 14	Life expectancy at specified ages by sex and race, New York City and the United States, 1980 and 1990 14
Table 15	Average yearly age-sex-specific death rates, 1909-1991. 15
Table 16	Average yearly age-sex-race adjusted death rates for selected causes, 1901-1991. 15
Table 17	Deaths and crude death rates from selected causes, 1901-1999. 18,19
Table 18	Live births, spontaneous and induced terminations of pregnancy by borough of residence and age of woman, 1999 21
Table 19	Spontaneous terminations of pregnancy by gestation and age of woman, 1999. 21
Table 20	Live births, spontaneous terminations of 28 weeks gestation and over and induced terminations of pregnancy by borough of residence and occurrence, 1999. 22
Table 21	Live births by ancestry of mother and borough of residence, 1999. 22
Table 22	Selected characteristics of live births and spontaneous terminations of pregnancy 28 weeks gestation and over by age of mother, 1999 24
Table 23	Selected characteristics of live births and spontaneous terminations of pregnancy 28 weeks gestation and over by mother's ethnic group, 1999. 25
Table 24	Live births by selected characteristics and infant deaths by health center district of residence, 1999 26
Table 25	Live births by selected characteristics and mother's ancestry, 1999. 26
Table 26	Live births to teenagers by selected characteristics and infant deaths by health center district of residence, 1999. 27
Table 27	Live births to teenagers by selected characteristics, 1986-1999. 27
Table 28	Number of maternal risk factors by health center district of residence, 1999. 28
Table 29	Live births, infant deaths and infant mortality rates by birth weight and number of maternal risk factors, 1999 28
Table 30a	Live births and infant deaths by birth weight, race and age, 1999. 29
Table 30b	Infant mortality rates by birth weight, race and age, 1999. 29
Table 31	Infant deaths by race and cause by sex and age, 1999. 29
Table 32	Live births, infant and maternal mortality by mother's ethnic group, 1983-1999. 30
Table 33	Cases of reportable diseases, 1940-1999. 31
Table 34	Incidence of AIDS by sex, major risk group and year of diagnosis, 1980-1999. 31
Figure 1	Changes in age composition of the population, 1900-1990 16
Figure 2	Age and sex composition of the population, 1990 16
Figure 3	Changes in life expectancy at selected ages by sex, 1980 and 1990, New York City and the United States 16
Figure 4	Live births by mother's ethnic group, 1981-1999 17
Figure 5	Deaths by ethnic group, 1981-1999 17
Figure 6	Deaths due to HIV disease by sex and selected ethnic groups, 1983-1999 17
Figure 7	Live births, induced terminations and spontaneous terminations of pregnancy by age of woman, 1999 20
Figure 8	Infant, neonatal and post-neonatal mortality rates, 1983-1999 20
Figure 9	Marriages, births, and deaths by month and average number per day, 1999 23
Figure 10a	Most popular baby names by sex, selected years 23
Figure 10b	Most popular baby names by sex and mother's ethnicity, 1999 23
Figure 11	Map of health center districts and boroughs Inside back cover
Special Section	Selected vital statistics by community district of residence, 1999 32-35
Figure A	Map of community districts and boroughs 32
Table A	Deaths and death rates from selected causes by community district of residence, 1999. 33,34
Table B	Live births by selected characteristics and infant deaths by community district of residence, 1999 35
Table C	Live births to teenagers by selected characteristics and infant deaths by community district of residence, 1999 36
Special Note on ICD-10	37,38
Rates and Ratios Defined	38
Technical Notes	39,40
Highlights	Back cover

Table 1.

Population, Births, Marriages, Deaths and Infant Mortality, New York City, 1898-1999

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	7,322,564	138,148	18.9	69,314	9.5	72,421	9.9	1,575	11.4
1992	7,322,564	136,002	18.6	71,947	9.8	71,001	9.7	1,390	10.2
1993	7,322,564	133,583	18.2	72,490	9.9	73,408	10.0	1,366	10.2
1994	7,322,564	133,662	18.3	70,438	9.6	71,038	9.7	1,207	9.0
1995	7,322,564	131,009	17.9	71,507	9.8	70,769	9.7	1,155	8.8
1996	7,322,564	126,901	17.3	79,361	10.8	66,784	9.1	992	7.8
1997	7,322,564	123,313	16.8	80,027	10.9	62,506	8.5	881	7.1
1998	7,322,564	124,252	17.0	53,661	7.3	61,010	8.3	843	6.8
1999	7,322,564	123,739	16.9	55,075	7.5	62,470	8.5	848	6.9

Note: Figures for single years prior to 1956 appear in the annual summaries for 1965 and earlier. Figures for 1898-1913 births are estimated. See Technical Notes.

Table 2a.

**Population by Age, Race and Sex, and by Hispanic Ancestry
New York City, 1990**

Age In Years	POPULATION IN 1990											
	Race									Hispanic Ancestry*		
	All Races			White		Black		& Unknown		Total	Male	Female
Total	Male	Female	Male	Female	Male	Female	Male	Female				
All Ages	7,322,564	3,437,667	3,884,897	2,117,645	2,356,194	1,038,666	1,253,141	281,356	275,562	1,783,478	850,184	933,294
Under 5	531,430	271,149	260,281	144,384	137,618	105,086	102,594	21,679	20,069	172,912	87,867	85,045
5-9	455,829	232,471	223,358	122,528	116,567	92,243	90,177	17,700	16,614	148,750	75,649	73,101
10-14	447,301	226,297	221,004	118,176	112,975	90,300	91,149	17,821	16,880	144,309	73,312	70,997
15-19	478,207	240,913	237,294	128,146	123,558	92,350	94,101	20,417	19,635	147,890	75,768	72,122
20-24	587,854	285,778	302,076	168,245	172,788	93,430	105,095	24,103	24,193	168,970	84,645	84,325
25-29	705,351	343,352	361,999	211,068	212,727	100,104	118,000	32,180	31,272	181,247	88,760	92,487
30-34	669,944	325,318	344,626	201,281	201,376	90,692	112,089	33,345	31,161	164,062	77,960	86,102
35-39	589,631	283,579	306,052	176,075	179,308	79,508	101,087	27,996	25,657	140,274	65,296	74,978
40-44	513,936	241,148	272,788	153,021	163,364	65,863	87,225	22,264	22,199	117,462	53,590	63,872
45-49	410,951	189,561	221,390	119,100	132,191	54,359	73,675	16,102	15,524	93,685	42,521	51,164
50-54	350,874	161,197	189,677	102,595	115,107	45,063	61,538	13,539	13,032	78,172	35,137	43,035
55-59	320,527	145,060	175,467	97,974	112,944	36,533	51,633	10,553	10,890	65,590	28,640	36,950
60-64	323,098	141,494	181,604	101,306	123,759	31,936	48,341	8,252	9,504	53,960	22,628	31,332
65-69	294,755	122,953	171,802	90,774	122,642	25,714	41,875	6,465	7,285	39,783	15,570	24,213
70-74	230,094	89,767	140,327	69,370	105,274	16,271	30,046	4,126	5,007	27,069	9,840	17,229
75-79	189,695	68,509	121,186	55,614	95,961	10,332	21,702	2,563	3,523	19,968	6,821	13,147
80-84	124,744	41,150	83,594	34,463	68,939	5,306	12,810	1,381	1,845	11,315	3,677	7,638
85 & Over	98,343	27,971	70,372	23,525	59,096	3,576	10,004	870	1,272	8,060	2,503	5,557

Note: These population figures replace those published in the 1990 Vital Statistics Summary, and are based on the Census Bureau's modification of its data correcting the underreporting of race by persons of Hispanic ancestry. The major effects are a reduction of 60% in the total for Other and Unknown race and increases of 17% and 9% in the totals for whites and blacks, respectively. There were minor changes in age and sex as well.

*Persons of Hispanic ancestry may be of any race.

Table 2b.

**Deaths by Age, Race and Sex, and by Hispanic Ancestry
New York City, 1999**

Age In Years	DEATHS IN 1999											
	Race									Hispanic Ancestry*		
	All Races			White		Black		Other & Unknown		Total	Male	Female
Total	Male	Female	Male	Female	Male	Female	Male	Female				
All Ages	62,470	30,211	32,259	20,498	22,445	7,596	8,232	2,117	1,582	8,142	4,360	3,782
Under 5	981	546	435	237	195	205	161	104	79	176	100	76
5-9	99	57	42	34	19	20	14	3	9	15	8	7
10-14	114	70	44	39	26	27	14	4	4	28	14	14
15-19	270	190	80	86	41	95	29	9	10	54	41	13
20-24	413	299	114	164	58	122	45	13	11	93	73	20
25-29	525	355	170	212	88	125	70	18	12	125	88	37
30-34	849	561	288	304	136	220	139	37	13	225	153	72
35-39	1,285	828	457	483	236	292	199	53	22	318	203	115
40-44	1,882	1,185	697	661	304	426	344	98	49	384	264	120
45-49	2,376	1,521	855	855	433	555	374	111	48	513	339	174
50-54	2,856	1,746	1,110	1,000	610	606	439	140	61	532	338	194
55-59	3,248	1,905	1,343	1,128	746	626	527	151	70	588	384	204
60-64	3,929	2,260	1,669	1,352	964	708	614	200	91	690	426	264
65-69	4,992	2,748	2,244	1,794	1,387	762	710	192	147	791	432	359
70-74	6,557	3,455	3,102	2,414	2,016	793	924	248	162	856	456	400
75-79	7,970	3,837	4,133	2,776	2,906	793	1,015	268	212	848	382	466
80-84	8,077	3,528	4,549	2,746	3,451	582	891	200	207	723	296	427
85 & Over	16,047	5,120	10,927	4,213	8,829	639	1,723	268	375	1,183	363	820

*Persons of Hispanic ancestry may be of any race.

Table 3.

Deaths by Cause by Decedent's Borough of Residence and Sex, and Comparability Ratio*
New York City, 1999

Cause (Codes from International Classification of Diseases, Tenth Revision, 1999)	Total	BOROUGH OF RESIDENCE							SEX		Preliminary Comparability Ratio*
		Manhattan	Bronx	Brooklyn	Queens	Richmond	Non-Residents	Residence Unknown	Male	Female	
Total Deaths	62,470	11,654	9,897	18,364	14,926	3,410	3,837	382	30,211	32,259	
Natural Causes	59,921	11,216	9,509	17,591	14,354	3,325	3,641	285	28,396	31,525	
1.# Tuberculosis (A16-A19)	49	14	4	14	12	2	2	1	33	16	0.85
Respiratory tuberculosis (A16)	37	11	3	11	8	2	1	1	24	13	0.91
2.# Septicemia (A40-A41)	629	131	125	208	113	15	33	4	289	340	1.19
3.# Viral hepatitis (B15-B19)	281	67	78	65	34	10	26	1	188	93	0.83
4.# Human immunodeficiency virus (HIV) disease (B20-B24)	2,020	504	552	586	227	52	65	34	1,372	648	1.06
5. All other infective and parasitic diseases (Rest of A01-B99)	122	28	15	43	26	-	10	-	64	58	
6.# Malignant neoplasms (C00-C97)	14,334	2,816	2,027	3,889	3,261	836	1,476	29	6,954	7,380	1.01
Lip, oral cavity and pharynx (C00-C14)	230	51	39	59	44	9	27	1	157	73	0.96
Esophagus (C15)	314	59	57	92	55	14	37	-	232	82	1.00
Stomach (C16)	562	94	96	155	161	22	32	2	301	261	1.01
Colon, rectum and anus (C18-C21)	1,702	324	234	495	413	96	135	5	798	904	1.00
Liver and intrahepatic bile ducts (C22)	456	94	55	113	130	22	37	5	293	163	0.96
Pancreas (C25)	875	181	122	217	193	55	104	3	423	452	1.00
Larynx (C32)	140	28	28	35	28	6	15	-	105	35	1.00
Trachea, bronchus and lung (C33-C34)	3,249	645	452	844	771	243	284	10	1,782	1,467	0.98
Melanoma of skin (C43)	129	25	11	28	38	7	20	-	81	48	0.97
Breast (C50)	1,308	252	181	377	296	89	113	-	16	1,292	1.01
Cervix uteri (C53)	185	34	52	51	32	6	10	-	-	185	0.99
Corpus uteri and uterus, part unspecified (C54-C55)	245	41	28	90	57	10	19	-	-	245	1.03
Ovary (C56)	396	86	46	105	84	27	48	-	-	396	1.00
Prostate (C61)	791	173	130	237	161	38	50	2	791	-	1.01
Kidney and renal pelvis (C64-C65)	226	46	24	58	57	12	29	-	137	89	1.00
Bladder (C67)	312	65	32	81	77	27	30	-	208	104	1.00
Meninges, brain and other parts of central nervous system (C70-C72)	282	54	24	75	77	11	41	-	151	131	0.97
Lymphoid, hematopoietic and related tissues (C81-C96)	1,468	269	215	354	288	81	261	-	775	693	1.00
Non-Hodgkin's lymphoma (C82-C85)	587	117	90	135	118	37	90	-	310	277	0.98
Multiple myeloma and immunoproliferative neoplasms (C88, C90)	255	52	39	71	54	8	31	-	112	143	1.04
Leukemia (C91-C95)	586	92	76	139	111	36	132	-	331	255	1.01
7.# In situ or benign neoplasms and neoplasms of uncertain or unknown behavior (D00-D48)	294	57	38	83	63	13	40	-	131	163	1.67
8.# Anemias (D50-D64)	107	17	26	30	20	5	8	1	51	56	0.96
9.# Diabetes mellitus (E10-E14)	1,791	266	403	574	371	111	63	3	798	993	1.01
10.## Mental and behavioral disorders due to use of alcohol (F10)	298	75	42	79	65	5	9	23	239	59	
11. Mental and behavioral disorders due to psychoactive substance use excluding alcohol and tobacco (F11-F16, F18-F19)	855	203	159	233	123	20	83	34	670	185	
## Mental and behavioral disorders due to use of or poisoning by psychoactive substance excluding alcohol and tobacco (F11-F16, F18-F19, X40-X42, X44)	881	210	160	240	130	20	84	37	686	195	
12. Diseases of nervous system (G00-G98)	590	177	81	145	132	20	31	4	279	311	
# Parkinson's disease (G20-G21)	92	33	9	21	19	2	8	-	46	46	1.00
# Alzheimer's disease (G30)	132	51	16	24	34	4	3	-	35	97	1.55
13. Major cardiovascular diseases (I00-I78)	29,157	4,846	4,416	8,855	7,956	1,681	1,297	106	12,792	16,365	1.00
# Diseases of heart (I00-I09, I11, I13, I20-I51)	25,751	4,161	3,818	7,840	7,202	1,532	1,099	99	11,344	14,407	0.99
Hypertensive heart disease (I11)	1,020	285	233	247	192	25	29	9	466	554	0.80
Hypertensive heart and renal disease (I13)	65	22	12	19	9	1	1	1	37	28	1.07
Chronic ischemic heart disease (I20, I25)	17,415	2,488	2,535	5,367	5,206	1,025	733	61	7,614	9,801	1.01
Acute myocardial infarction (I21-I22)	5,061	899	730	1,543	1,311	356	205	17	2,256	2,805	0.99
Cardiomyopathy (I42)	279	58	48	73	56	14	26	4	184	95	
Heart failure (I50)	818	156	101	264	199	53	44	1	328	490	1.04

Continued on next page.

Table 3.

Deaths by Cause by Decedent's Borough of Residence and Sex, and Comparability Ratio*
New York City, 1999 (Continued)

Cause (Codes from International Classification of Diseases, Tenth Revision, 1999)	Total	BOROUGH OF RESIDENCE							SEX		Preliminary Comparability Ratio*
		Manhattan	Bronx	Brooklyn	Queens	Richmond	Non-Residents	Residence Unknown	Male	Female	
# Essential hypertension and hypertensive renal disease (I10, I12)	689	138	141	216	127	45	21	1	283	406	1.12
# Cerebrovascular diseases (I60-I69)	2,101	429	357	607	511	74	118	5	854	1,247	1.06
# Atherosclerosis (I70)	198	34	27	85	35	9	8	—	94	104	0.96
# Aortic aneurysm and dissection (I71)	284	46	49	77	59	18	34	1	168	116	1.00
14.# Influenza and pneumonia (J10-J18)	2,474	569	405	709	517	184	80	10	1,078	1,396	0.70
15.# Chronic lower respiratory diseases (J40-J47)	1,784	422	260	511	387	130	64	10	879	905	1.05
Emphysema (J43)	137	33	15	39	27	11	11	1	75	62	0.97
Asthma (J45-J46)	244	63	57	76	36	2	6	4	117	127	0.89
16.# Peptic ulcer (K25-K28)	140	41	22	32	34	4	5	2	69	71	0.97
17.# Chronic liver disease and cirrhosis (K70, K73-K74)	689	124	154	209	132	20	44	6	497	192	1.04
Alcoholic liver disease (K70)	474	92	117	153	78	13	17	4	361	113	1.02
18.# Cholelithiasis and other disorders of gallbladder (K80-K82)	52	12	10	12	10	1	6	1	19	33	0.96
19.# Nephritis, nephrotic syndrome and nephrosis (N00-N07, N17-N19, N25-N27)	882	171	131	314	161	62	40	3	443	439	1.23
Renal failure (N17-N19)	866	168	129	308	158	60	40	3	438	428	1.29
20.# Pregnancy, childbirth and the puerperium (maternal) (O00-O99)	26	2	6	12	5	—	1	—	—	26	—
21.# Certain conditions originating in the perinatal period (P00-P96)	557	80	87	177	140	27	46	—	303	255	1.07
22.# Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	276	41	39	85	47	19	45	—	153	123	0.85
23. Symptoms, signs and abnormal findings, not elsewhere classified (R00-R94, R96-R99)	131	29	22	49	16	2	10	3	75	55	—
Pending final determination (R99)	9	1	1	3	—	—	1	3	6	3	—
24. Sudden infant death syndrome (R95)	40	5	16	12	7	—	—	—	26	14	1.04
25. All other diseases (Rest of A00-R99)	2,343	519	391	665	495	106	157	10	994	1,349	—
External Causes	2,549	438	388	773	572	85	196	97	1,815	734	—
Injury by firearms (W32-W34, X72-X74, X93-X95, Y22-Y24, Y35.0)	486	73	89	194	84	16	27	3	447	39	1.00
26.## Accidents (V01-X59, Y85-Y86)	1,159	186	168	339	291	42	97	36	754	405	1.03
Accidental poisoning by psychoactive substances, excluding alcohol and tobacco (X40-X42, X44)	26	7	1	7	7	—	1	3	16	10	—
Motor vehicle accidents	404	43	58	121	102	15	51	14	283	121	0.85
Accidental falls (W00-W19)	423	78	76	103	118	14	24	10	237	186	0.84
27.# Intentional self-harm (suicide) (X60-X84, Y87.0)	494	121	66	108	125	18	44	12	363	131	1.00
28.# Assault (homicide) (X85-Y09, Y87.1)	690	101	133	271	114	20	35	16	563	127	1.00
29.# Legal Intervention (Y35, Y89.0)	8	2	—	2	1	—	3	—	8	—	—
30. Events of undetermined intent (Y10-Y34, Y87.2, Y89.9)	153	18	13	45	31	3	11	32	106	47	—
31.# Complications of medical and surgical care (Y40-Y84, Y88)	44	10	8	8	10	2	5	1	20	24	—
32.# Operations of war and their sequelae (Y36, Y89.1)	1	—	—	—	—	—	1	—	1	—	—

Note: 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.

* Beginning January 1, 1999 all causes were coded using ICD-10. Comparability ratios are net effects of changing from ICD-9 to ICD-10 for selected causes of death. Preliminary data are based on a non-random national sample of over 1.8 million mortality records prepared by NCHS. See the Special Note on Cause-of-Death Coding and Tenth Revision of the ICD.

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

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 cause groups eligible to be ranked as leading causes in New York City because of the number of deaths and their public health importance. Accidental deaths are ranked without those due to poisoning by psychoactive substances excluding alcohol and tobacco. See the Special Note.

Table 4.

Leading Causes of Death* in Specified Age Groups by Sex New York City, 1999

Males			Females	
Deaths	Percent		Deaths	Percent
ALL AGES				
11,344	37.5	Diseases of Heart.	14,407	44.7
6,954	23.0	Malignant Neoplasms.	7,380	22.9
1,078	3.6	Influenza and Pneumonia.	1,396	4.3
854	2.8	Cerebrovascular Diseases.	1,247	3.9
1,372	4.5	Human Immunodeficiency Virus (HIV) Disease.	648	2.0
798	2.6	Diabetes Mellitus.	993	3.1
879	2.9	Chronic Lower Respiratory Diseases.	905	2.8
738	2.4	Accidents Except Poisoning by Psychoactive Substance.	395	1.2
443	1.5	Nephritis, Nephrotic Syndrome and Nephrosis	439	1.4
686	2.3	Use of or Poisoning by Psychoactive Substance	195	0.6
5,065	16.8	All Other Causes	4,254	13.2
30,211	100.0	Total	32,259	100.0
UNDER 1 YEAR				
89	18.9	Congenital Malformations, Deformations.	73	19.3
77	16.4	Cardiovascular Disorders Originating in the Perinatal Period.	51	13.5
54	11.5	Other Respiratory Conditions Originating in the Perinatal Period.	54	14.3
54	11.5	Short Gestation and Low Birth Weight.	39	10.3
43	9.1	Respiratory Distress of Newborn.	38	10.1
26	5.5	Sudden Infant Death Syndrome.	14	3.7
19	4.0	Infections Specific to the Perinatal Period.	14	3.7
21	4.5	External Causes	10	2.6
16	3.4	Necrotizing Enterocolitis of Newborn.	8	2.1
10	2.1	Newborn Affected by Complications of Placenta, Cord, Membranes	10	2.6
61	13.0	All Other Causes	67	17.7
470	100.0	Total	378	100.0
1 TO 14 YEARS				
40	19.7	Accidents Except Poisoning by Psychoactive Substance.	19	13.3
29	14.3	Malignant Neoplasms.	27	18.9
22	10.8	Congenital Malformations, Deformations.	15	10.5
15	7.4	Assault (Homicide).	11	7.7
13	6.4	Diseases of Heart.	12	8.4
10	4.9	Human Immunodeficiency Virus (HIV) Disease.	8	5.6
7	3.4	In Situ, Benign and Uncertain Neoplasms	7	4.9
7	3.4	Influenza and Pneumonia.	5	3.5
5	2.5	Chronic Lower Respiratory Diseases.	5	3.5
55	27.1	All Other Causes.	34	23.8
203	100.0	Total	143	100.0
15 TO 24 YEARS				
187	38.2	Assault (Homicide).	24	12.4
76	15.5	Accidents Except Poisoning by Psychoactive Substance.	27	13.9
50	10.2	Intentional Self-harm (Suicide).	21	10.8
37	7.6	Malignant Neoplasms.	25	12.9
25	5.1	Use of or Poisoning by Psychoactive Substance	7	3.6
19	3.9	Diseases of Heart.	12	6.2
7	1.4	Human Immunodeficiency Virus (HIV) Disease.	14	7.2
7	1.4	Congenital Malformations, Deformations.	7	3.6
11	2.2	Events of Undetermined Intent	2	1.0
5	1.0	In Situ, Benign and Uncertain Neoplasms	4	2.1
7	1.4	Chronic Lower Respiratory Diseases	2	1.0
58	11.9	All Other Causes.	49	25.3
489	100.0	Total	194	100.0
25 TO 34 YEARS				
151	16.5	Human Immunodeficiency Virus (HIV) Disease.	101	22.1
161	17.6	Assault (Homicide).	30	6.6
132	14.4	Use of or Poisoning by Psychoactive Substance	35	7.6
67	7.3	Malignant Neoplasms.	88	19.2
104	11.4	Accidents Except Poisoning by Psychoactive Substance.	10	2.2
67	7.3	Intentional Self-harm (Suicide).	22	4.8
51	5.6	Diseases of Heart.	35	7.6
11	1.2	Chronic Lower Respiratory Diseases.	12	2.6
10	1.1	Cerebrovascular Diseases.	11	2.4
15	1.6	Disorders due to Use of Alcohol	5	1.1
147	16.0	All Other Causes.	109	23.8
916	100.0	Total	458	100.0

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

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

*Beginning January 1, 1999 all causes were coded using ICD-10. See the Special Note on Cause-of-Death Coding and Table 3 for preliminary comparability ratios.

Males		35 TO 44 YEARS		Females	
Deaths	Percent			Deaths	Percent
489	24.3	Human Immunodeficiency Virus (HIV) Disease.		278	24.1
243	12.1	Malignant Neoplasms.		313	27.1
248	12.3	Diseases of Heart.		109	9.4
276	13.7	Use of or Poisoning by Psychoactive Substance.		78	6.8
103	5.1	Accidents Except Poisoning by Psychoactive Substance.		24	2.1
92	4.6	Assault (Homicide).		25	2.2
87	4.3	Intentional Self-harm (Suicide).		18	1.6
63	3.1	Chronic Liver Disease and Cirrhosis.		17	1.5
34	1.7	Cerebrovascular Diseases.		36	3.1
38	1.9	Diabetes Mellitus.		29	2.5
340	16.9	All Other Causes.		227	19.7
2,013	100.0	Total.		1,154	100.0
45 TO 54 YEARS					
740	22.7	Malignant Neoplasms.		765	38.9
707	21.6	Diseases of Heart.		367	18.7
474	14.5	Human Immunodeficiency Virus (HIV) Disease.		195	9.9
195	6.0	Use of or Poisoning by Psychoactive Substance.		62	3.2
166	5.1	Chronic Liver Disease and Cirrhosis.		41	2.1
86	2.6	Cerebrovascular Diseases.		56	2.8
82	2.5	Diabetes Mellitus.		50	2.5
93	2.8	Accidents Except Poisoning by Psychoactive Substance.		23	1.2
80	2.4	Disorders due to Use of Alcohol.		19	1.0
72	2.2	Viral Hepatitis.		17	0.9
572	17.5	All Other Causes.		370	18.8
3,267	100.0	Total.		1,965	100.0
55 TO 64 YEARS					
1,301	31.2	Malignant Neoplasms.		1,242	41.2
1,386	33.3	Diseases of Heart.		833	27.7
156	3.7	Diabetes Mellitus.		147	4.9
143	3.4	Cerebrovascular Diseases.		117	3.9
169	4.1	Human Immunodeficiency Virus (HIV) Disease.		35	1.2
103	2.5	Chronic Lower Respiratory Diseases.		94	3.1
114	2.7	Chronic Liver Disease and Cirrhosis.		49	1.6
67	1.6	Influenza and Pneumonia.		57	1.9
85	2.0	Accidents Except Poisoning by Psychoactive Substance.		27	0.9
62	1.5	Nephritis, Nephrotic Syndrome and Nephrosis.		40	1.3
579	13.9	All Other Causes.		371	12.3
4,165	100.0	Total.		3,012	100.0
65 TO 74 YEARS					
2,505	40.4	Diseases of Heart.		1,918	35.9
1,915	30.9	Malignant Neoplasms.		1,882	35.2
212	3.4	Diabetes Mellitus.		245	4.6
229	3.7	Chronic Lower Respiratory Diseases.		174	3.3
190	3.1	Cerebrovascular Diseases.		187	3.5
195	3.1	Influenza and Pneumonia.		136	2.5
106	1.7	Nephritis, Nephrotic Syndrome and Nephrosis.		106	2.0
67	1.1	Essential Hypertension and Hypertensive Renal Disease.		80	1.5
93	1.5	Chronic Liver Disease and Cirrhosis.		39	0.7
75	1.2	Accidents Except Poisoning by Psychoactive Substance.		53	1.0
616	9.9	All Other Causes.		526	9.8
6,203	100.0	Total.		5,346	100.0
75 TO 84 YEARS					
3,508	47.6	Diseases of heart.		4,251	49.0
1,826	24.8	Malignant Neoplasms.		1,958	22.6
333	4.5	Influenza and Pneumonia.		389	4.5
228	3.1	Cerebrovascular Diseases.		380	4.4
284	3.9	Chronic Lower Respiratory Diseases.		311	3.6
210	2.9	Diabetes Mellitus.		291	3.4
128	1.7	Nephritis, Nephrotic Syndrome and Nephrosis.		111	1.3
80	1.1	Essential Hypertension and Hypertensive Renal Disease.		119	1.4
85	1.2	Septicemia.		100	1.2
82	1.1	Accidents Except Poisoning by Psychoactive Substance.		88	1.0
601	8.2	All Other Causes.		684	7.9
7,365	100.0	Total.		8,682	100.0
85 AND OVER					
2,903	56.7	Diseases of heart.		6,865	62.8
794	15.5	Malignant Neoplasms.		1,077	9.9
389	7.6	Influenza and Pneumonia.		756	6.9
158	3.1	Cerebrovascular Diseases.		456	4.2
173	3.4	Chronic Lower Respiratory Diseases.		246	2.3
86	1.7	Diabetes Mellitus.		221	2.0
89	1.7	Nephritis, Nephrotic Syndrome and Nephrosis.		138	1.3
79	1.5	Accidents Except Poisoning by Psychoactive Substance.		121	1.1
50	1.0	Essential Hypertension and Hypertensive Renal Disease.		135	1.2
61	1.2	Septicemia.		113	1.0
338	6.6	All Other Causes.		799	7.3
5,120	100.0	Total.		10,927	100.0

Table 4a.

**Leading Causes of Death* in Specified Ethnic Groups by Sex
New York City, 1999**

Males			Females	
Deaths	Percent		Deaths	Percent
PUERTO RICAN				
727	27.5	Diseases of Heart	786	34.5
526	19.9	Malignant Neoplasms	479	21.0
265	10.0	Human Immunodeficiency Virus (HIV) Disease	139	6.1
111	4.2	Diabetes Mellitus	118	5.2
78	3.0	Influenza and Pneumonia	115	5.0
80	3.0	Cerebrovascular Diseases	92	4.0
124	4.7	Chronic Liver Disease and Cirrhosis	40	1.8
72	2.7	Chronic Lower Respiratory Diseases	92	4.0
108	4.1	Use of or Poisoning by Psychoactive Substance	30	1.3
60	2.3	Accidents Except Poisoning by Psychoactive Substance	26	1.1
492	18.6	All Other Causes	364	16.0
2,643	100.0	Total	2,281	100.0
OTHER HISPANIC				
467	27.2	Diseases of Heart	540	36.0
355	20.7	Malignant Neoplasms	364	24.3
72	4.2	Cerebrovascular Diseases	74	4.9
98	5.7	Human Immunodeficiency Virus (HIV) Disease	39	2.6
98	5.7	Assault (Homicide)	10	0.7
48	2.8	Influenza and Pneumonia	59	3.9
76	4.4	Accidents Except Poisoning by Psychoactive Substance	30	2.0
50	2.9	Diabetes Mellitus	52	3.5
38	2.2	Chronic Lower Respiratory Diseases	44	2.9
59	3.4	Use of or Poisoning by Psychoactive Substance	4	0.3
356	20.7	All Other Causes	285	19.0
1,717	100.0	Total	1,501	100.0
ASIAN AND PACIFIC ISLANDER				
446	35.8	Diseases of Heart	330	34.4
329	26.4	Malignant Neoplasms	263	27.4
51	4.1	Cerebrovascular Diseases	69	7.2
54	4.3	Influenza and Pneumonia	38	4.0
45	3.6	Chronic Lower Respiratory Diseases	22	2.3
25	2.0	Diabetes Mellitus	36	3.8
40	3.2	Accidents Except Poisoning by Psychoactive Substance	20	2.1
26	2.1	Intentional Self-harm (Suicide)	23	2.4
22	1.8	Nephritis, Nephrotic Syndrome and Nephrosis	21	2.2
20	1.6	Chronic Liver Disease and Cirrhosis	8	0.8
189	15.2	All Other Causes	130	13.5
1,247	100.0	Total	960	100.0
OTHER WHITE				
7,267	44.5	Diseases of Heart	9,571	50.8
3,986	24.4	Malignant Neoplasms	4,275	22.7
643	3.9	Influenza and Pneumonia	887	4.7
511	3.1	Chronic Lower Respiratory Diseases	569	3.0
419	2.6	Cerebrovascular Diseases	649	3.4
333	2.0	Diabetes Mellitus	360	1.9
339	2.1	Accidents Except Poisoning by Psychoactive Substance	217	1.2
217	1.3	Nephritis, Nephrotic Syndrome and Nephrosis	182	1.0
247	1.5	Human Immunodeficiency Virus (HIV) Disease	94	0.5
272	1.7	Use of or Poisoning by Psychoactive Substance	60	0.3
2,085	12.8	All Other Causes	1,978	10.5
16,319	100.0	Total	18,842	100.0
OTHER BLACK				
2,185	29.3	Diseases of Heart	2,954	36.6
1,640	22.0	Malignant Neoplasms	1,892	23.4
674	9.0	Human Immunodeficiency Virus (HIV) Disease	358	4.4
267	3.6	Diabetes Mellitus	407	5.0
199	2.7	Cerebrovascular Diseases	342	4.2
217	2.9	Influenza and Pneumonia	276	3.4
196	2.6	Chronic Lower Respiratory Diseases	163	2.0
292	3.9	Assault (Homicide)	64	0.8
208	2.8	Use of or Poisoning by Psychoactive Substance	89	1.1
129	1.7	Nephritis, Nephrotic Syndrome and Nephrosis	162	2.0
1,450	19.4	All Other Causes	1,370	17.0
7,457	100.0	Total	8,077	100.0

Note: The ten leading causes of death in each ethnic group for both sexes combined are arranged in decreasing order of frequency.

Totals may not equal 100% due to rounding. Decedents of other and unknown ethnicities are not shown.

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

*Beginning January 1, 1999 all causes were coded using ICD-10. See the Special Note on Cause-of-Death Coding and Table 3 for preliminary comparability ratios.

Table 5. Deaths and Death Rates per 100,000 Population from Selected Causes* by Health Center District of Residence, New York City, 1999

Health Center District	Population April 1, 1990	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	7,322,564	62,470**	8.5	25,751	351.7	14,334	195.8	2,020	27.6	2,474	33.8	2,101	28.7	1,784	24.4	689	9.4	1,791	24.5	881	12.0	1,133	15.5	494	6.7	698	9.5	153	2.1
MANHATTAN	1,487,536	11,654	7.8	4,161	279.7	2,816	189.3	504	33.9	569	38.3	429	28.8	422	28.4	124	8.3	266	17.9	210	14.1	179	12.0	121	8.1	103	6.9	18	1.2
Central Harlem	115,483	1,384	12.0	433	374.9	326	282.3	88	76.2	39	33.8	35	30.3	44	38.1	12	10.4	50	43.3	32	27.7	24	20.8	8	6.9	23	19.9	2	1.7
East Harlem	127,258	1,199	9.4	378	297.0	257	202.0	79	62.1	69	54.2	37	29.1	31	24.4	21	16.5	38	29.9	29	22.8	17	13.4	10	7.9	15	11.8	2	1.6
Kips Bay-Yorkville	235,583	1,769	7.5	734	311.6	474	201.2	29	12.3	104	44.1	54	22.9	58	24.6	13	5.5	25	10.6	11	4.7	20	8.5	21	8.9	1	0.4	3	1.3
Lower East Side	239,489	1,979	8.3	691	288.5	520	217.1	102	42.6	84	35.1	50	20.9	80	33.4	26	10.9	41	17.1	30	12.5	31	12.9	25	10.4	5	2.1	4	1.7
Lower West Side	294,275	2,070	7.0	731	248.4	526	178.7	88	29.9	120	40.8	91	30.9	92	31.3	17	5.8	32	10.9	42	14.3	33	11.2	28	9.5	13	4.4	5	1.7
Riverside	208,936	1,530	7.3	594	284.3	341	163.2	58	27.8	86	41.2	73	34.9	53	25.4	16	7.7	36	17.2	28	13.4	20	9.6	18	8.6	9	4.3	-	-
Washington Heights	266,512	1,723	6.5	600	225.1	372	139.6	60	22.5	67	25.1	89	33.4	64	24.0	19	7.1	44	16.5	38	14.3	34	12.8	11	4.1	37	13.9	2	0.8
BRONX	1,203,789	9,897	8.2	3,818	317.2	2,027	168.4	552	45.9	405	33.6	357	29.7	260	21.6	154	12.8	403	33.5	160	13.3	167	13.9	66	5.5	133	11.0	13	1.1
Fordham-Riverdale	245,226	2,071	8.4	906	369.5	387	157.8	67	27.3	120	48.9	81	33.0	67	27.3	20	8.2	79	32.2	24	9.8	31	12.6	18	7.3	18	7.3	2	0.8
Morrisania	144,743	1,254	8.7	337	232.8	261	180.3	137	94.7	52	35.9	37	25.6	27	18.7	35	24.2	60	41.5	33	22.8	17	11.7	6	4.1	24	16.6	2	1.4
Mott Haven	129,817	878	6.8	244	188.0	187	144.0	77	59.3	25	19.3	33	25.4	21	16.2	24	18.5	43	33.1	24	18.5	20	15.4	4	3.1	21	16.2	-	-
Pelham Bay	218,114	2,217	10.2	1,022	468.6	466	213.6	42	19.3	90	41.3	71	32.6	51	23.4	25	11.5	86	39.4	12	5.5	42	19.3	10	4.6	20	9.2	3	1.4
Tremont	190,532	1,027	5.4	246	129.1	209	109.7	141	74.0	39	20.5	35	18.4	35	18.4	28	14.7	63	33.1	36	18.9	13	6.8	6	3.1	23	12.1	4	2.1
Westchester	275,357	2,450	8.9	1,063	386.0	517	187.8	88	32.0	79	28.7	100	36.3	59	21.4	22	8.0	72	26.1	31	11.3	44	16.0	22	8.0	27	9.8	2	0.7
BROOKLYN	2,300,664	18,364	8.0	7,840	340.8	3,889	169.0	586	25.5	709	30.8	607	26.4	511	22.2	209	9.1	574	24.9	240	10.4	332	14.4	108	4.7	273	11.9	45	2.0
Bay Ridge	238,428	2,399	10.1	1,233	517.1	524	219.8	10	4.2	97	40.7	69	28.9	82	34.4	15	6.3	50	21.0	22	9.2	33	13.8	6	2.5	17	7.1	6	2.5
Bedford	232,911	1,773	7.6	604	259.3	392	168.3	110	47.2	69	29.6	50	21.5	43	18.5	28	12.0	80	34.3	37	15.9	26	11.2	8	3.4	46	19.8	3	1.3
Brownsville	278,444	2,045	7.3	719	258.2	431	154.8	107	38.4	72	25.9	68	24.4	50	18.0	41	14.7	77	27.7	29	10.4	48	17.2	12	4.3	55	19.8	8	2.9
Bushwick	182,574	1,081	5.9	333	182.4	238	130.4	76	41.6	24	13.1	48	26.3	30	16.4	18	9.9	63	34.5	28	15.3	23	12.6	16	8.8	35	19.2	4	2.2
Flatbush	502,102	3,591	7.2	1,592	317.1	761	151.6	95	18.9	128	25.5	139	27.7	89	17.7	31	6.2	94	18.7	27	5.4	81	16.1	16	3.2	49	9.8	7	1.4
Fort Greene	150,219	1,228	8.2	416	276.9	258	171.7	74	49.3	56	37.3	41	27.3	40	26.6	16	10.7	52	34.6	18	12.0	16	10.7	8	5.3	30	20.0	5	3.3
Gravesend	284,040	3,282	11.6	1,714	603.4	685	241.2	25	8.8	137	48.2	94	33.1	71	25.0	15	5.3	59	20.8	31	10.9	48	16.9	17	6.0	16	5.6	8	2.8
Red Hook-Gowanus	105,661	768	7.3	304	287.7	158	149.5	34	32.2	36	34.1	28	26.5	24	22.7	13	12.3	29	27.4	14	13.2	10	9.5	5	4.7	3	2.8	-	-
Sunset Park	170,313	1,187	7.0	536	314.7	248	145.6	18	10.6	45	26.4	42	24.7	40	23.5	14	8.2	35	20.6	12	7.0	20	11.7	9	5.3	10	5.9	2	1.2
Williamsburg-Greenpoint	155,972	1,010	6.5	389	249.4	194	124.4	37	23.7	45	28.9	28	18.0	42	26.9	18	11.5	35	22.4	22	14.1	27	17.3	11	7.1	12	7.7	2	1.3
QUEENS	1,951,598	14,926	7.6	7,202	369.0	3,261	167.1	227	11.6	517	26.5	511	26.2	387	19.8	132	6.8	371	19.0	130	6.7	284	14.6	125	6.4	115	5.9	31	1.6
Astoria	236,369	1,622	6.9	742	313.9	388	164.2	30	12.7	54	22.8	52	22.0	54	22.8	21	8.9	41	17.3	22	9.3	34	14.4	20	8.5	10	4.2	3	1.3
Corona	291,005	1,727	5.9	768	263.9	400	137.5	28	9.6	68	23.4	65	22.3	42	14.4	13	4.5	29	10.0	16	5.5	46	15.8	15	5.2	14	4.8	4	1.4
Flushing	456,393	3,565	7.8	1,796	393.5	838	183.6	17	3.7	125	27.4	127	27.8	86	18.8	24	5.3	64	14.0	28	6.1	63	13.8	29	6.4	14	3.1	8	1.8
Jamaica East	337,312	2,433	7.2	1,082	320.8	464	137.6	79	23.4	84	24.9	86	25.5	53	15.7	25	7.4	99	29.3	23	6.8	43	12.7	15	4.4	39	11.6	6	1.8
Jamaica West	361,199	3,016	8.3	1,512	418.6	594	164.5	51	14.1	102	28.2	84	23.3	81	22.4	25	6.9	76	21.0	31	8.6	55	15.2	20	5.5	33	9.1	5	1.4
Maspeth-Forest Hills	269,320	2,563	9.5	1,302	483.4	577	214.2	22	8.2	84	31.2	97	36.0	71	26.4	24	8.9	62	23.0	10	3.7	43	16.0	26	9.7	5	1.9	5	1.9
RICHMOND	378,977	3,410	9.0	1,532	404.2	836	220.6	52	13.7	184	48.6	74	19.5	130	34.3	20	5.3	111	29.3	20	5.3	42	11.1	18	4.7	20	5.3	3	0.8
NON-RESIDENTS	-	3,837	-	1,099	-	1,476	-	65	-	80	-	118	-	64	-	44	-	63	-	84	-	96	-	44	-	38	-	11	-
RESIDENCE UNKNOWN	-	382	-	99	-	29	-	34	-	10	-	5	-	10	-	6	-	3	-	37	-	33	-	12	-	16	-	32	-

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

**Deaths include events to non-residents

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

Table 6.

**Deaths by Place of Death
New York City, 1989-1999**

Place of Death	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
Home.....	13,564	13,204	13,271	13,293	13,943	12,822	12,973	12,197	11,800	11,647	11,911
Hospital											
Voluntary.....	40,807	40,023	39,503	39,009	39,682	39,103	39,609	37,288	34,612	33,911	34,825
Proprietary.....	2,800	2,646	2,710	2,610	2,638	2,520	1,928	1,837	1,672	1,460	1,198
Municipal.....	10,957	10,202	9,376	8,517	8,845	8,231	7,710	7,046	6,158	5,716	5,784
Other Government.....	1,426	1,335	1,223	1,254	1,213	1,172	1,053	959	925	812	847
Nursing Home.....	3,790	3,891	3,791	3,848	4,564	5,110	5,551	5,753	5,746	5,880	6,475
Other Specified Place.....	2,613	2,574	2,547	2,468	2,516	2,080	1,945	1,704	1,593	1,584	1,430
Total.....	75,957	73,875	72,421	71,001	73,408	71,038	70,769	66,784	62,506	61,010	62,470

Table 7.

**Deaths by Ancestry and Borough of Residence
New York City, 1999**

Ancestry	Total	Borough of Residence					Non-Residents	Residence Unknown
		Manhattan	Bronx	Brooklyn	Queens	Richmond		
Puerto Rican.....	4,924	1,107	1,948	1,222	422	95	114	16
Dominican.....	1,013	473	251	131	130	4	22	2
Colombian.....	229	20	14	22	154	5	14	-
Ecuadorian.....	252	33	48	48	108	2	13	-
Mexican.....	122	28	18	40	28	2	5	1
Cuban.....	492	177	83	63	132	8	28	1
Other Hispanic.....	1,110	195	176	354	273	30	56	26
African-American.....	12,896	2,759	2,727	4,388	2,374	180	415	53
American.....	13,999	3,186	1,723	3,246	3,271	1,193	1,359	21
Guyanese.....	436	8	38	177	192	2	18	1
Haitian.....	515	33	11	308	138	2	21	2
Jamaican.....	516	30	126	258	75	4	23	-
Trinidadian.....	206	7	10	131	43	3	12	-
All Other North, Central and South American	961	87	121	486	209	16	37	5
English.....	359	82	27	56	94	45	55	-
German.....	1,802	327	183	207	826	99	151	9
Irish.....	2,925	357	388	562	1,046	300	271	1
Italian.....	7,040	450	840	2,426	1,841	990	480	13
Polish.....	1,569	189	180	575	476	51	93	5
Russian.....	1,533	156	120	899	286	29	41	2
Other European.....	2,861	529	238	773	1,042	126	150	3
Asian Indian.....	214	16	15	25	113	10	29	6
Bangladeshi.....	45	1	2	12	29	1	-	-
Chinese.....	1,341	517	35	353	371	19	41	5
Filipino.....	161	31	8	16	76	13	17	-
Korean.....	251	8	8	19	178	13	24	1
Pakistani.....	76	2	7	27	33	1	6	-
Other Asian.....	380	68	28	119	109	11	42	3
Jewish or Hebrew.....	1,819	222	116	899	390	26	161	5
Other & Not Stated.....	2,423	556	408	522	467	130	139	201
Total.....	62,470	11,654	9,897	18,364	14,926	3,410	3,837	382

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

Table 7a.

**Selected Characteristics of Deaths Due to Fatal Occupational Injuries
New York City, 1999**

Characteristic	All Deaths	Sex		Age Group				
		Male	Female	< 25	25-34	35-44	45-54	55+
Selected Events								
Transportation incident.....	16	16	0	1	3	4	7	1
Assaults and violent acts.....	53	51	2	6	14	15	12	6
Homicide.....	41	40	1	4	11	12	10	4
Shooting.....	32	31	1	3	7	10	9	3
Falls.....	27	27	0	2	7	6	6	6
Selected Industries								
Construction.....	34	34	0	3	8	10	8	5
Taxicabs.....	12	12	0	2	5	2	3	0
Grocery stores.....	4	4	0	0	1	1	2	0
Eating and drinking places.....	8	8	0	2	1	2	3	0
Police and fire protection.....	3	3	0	0	1	1	1	0
Race								
White.....	63	63	0	4	11	20	18	10
Black.....	26	26	0	0	10	7	6	3
Other.....	31	29	2	7	7	7	9	1
Hispanic Ancestry.....	34	33	1	7	3	11	10	3
Total.....	120	118	2	11	28	34	33	14

Note: Persons of Hispanic ancestry may be of any race. See Technical Notes for the source of data, and a discussion of race, ancestry and ethnicity.

DEATHS DUE TO EXTERNAL CAUSES* BY AGE AND SEX, NEW YORK CITY, 1999

Table 8. Accidents

Type	All Ages	0-4		5-9		10-14		15-19		20-24		25-34		35-44		45-54		55-64		65-74		75+	
		Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
Total	1,159	11	13	15	3	15	6	35	9	42	19	109	12	111	25	94	25	86	29	75	54	161	210
Motor Vehicle																							
Injury to pedestrian	208	1	-	6	2	7	4	4	3	1	4	15	1	17	6	15	8	13	8	19	17	29	28
Injury to pedal cyclist	17	-	-	-	-	1	-	3	-	1	-	3	-	3	-	4	-	1	-	1	-	-	-
Injury to occupant	59	-	-	-	-	-	-	5	2	7	4	17	-	8	1	3	1	4	1	1	3	2	-
Other motor vehicle accidents	120	-	3	1	-	1	-	9	3	17	6	27	3	10	4	5	3	7	4	7	1	8	1
Railway (includes subway)	15	-	-	-	-	-	-	2	-	-	-	3	-	6	-	3	-	-	-	-	-	1	-
Other land transport accidents	35	-	-	2	-	2	1	5	-	1	-	3	-	4	1	6	1	1	-	-	2	2	4
Other transport accidents	9	-	-	-	-	-	-	1	-	1	-	-	1	3	-	-	-	1	-	2	-	-	-
Fall	423	-	1	2	-	-	-	2	-	5	2	20	2	21	3	30	4	35	8	27	25	95	141
Firearm discharge	3	-	-	-	-	-	-	2	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Drowning and submersion	21	1	1	-	-	1	-	2	-	2	-	3	-	5	2	1	-	-	-	1	-	1	1
Smoke, fire and flames	93	5	5	3	1	2	-	-	-	1	1	3	2	10	3	6	4	8	5	7	1	9	17
Poisoning by noxious substances	35	-	-	-	-	-	-	-	-	2	1	6	2	9	2	4	2	2	2	1	1	-	1
Exposure to excessive natural heat	38	-	-	-	-	-	-	-	-	-	-	2	-	3	2	4	1	6	1	5	1	4	9
Other nontransport accidents	83	4	3	1	-	1	1	-	1	3	1	7	1	12	1	13	1	8	-	4	3	10	8

Table 9. Intentional Self-harm (Suicide)

Method	All Ages	0-4		5-9		10-14		15-19		20-24		25-34		35-44		45-54		55-64		65-74		75+	
		Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
Total	494	-	-	-	-	1	2	15	9	35	12	67	22	87	18	62	20	35	17	30	16	31	15
Poisoning by noxious substances	77	-	-	-	-	-	-	2	1	1	-	8	7	13	5	9	7	5	6	3	3	3	4
Hanging, strangulation and suffocation	138	-	-	-	-	1	1	-	4	8	2	20	9	30	4	12	1	14	5	10	5	9	3
Drowning and submersion	20	-	-	-	-	-	-	1	-	2	3	3	1	3	-	3	1	1	-	-	-	2	-
Firearm discharge	79	-	-	-	-	-	-	5	-	5	2	16	1	13	-	17	-	6	-	9	-	4	1
Sharp or blunt object	23	-	-	-	-	-	-	-	1	1	-	1	-	3	-	5	2	3	1	1	-	4	1
Jumping from high place	123	-	-	-	-	-	-	3	3	14	5	12	4	19	9	9	5	6	5	7	8	8	6
Jumping or lying before moving object	27	-	-	-	-	1	4	-	3	-	5	-	6	-	4	3	-	-	-	-	-	1	-
Other and unspecified means	6	-	-	-	-	-	-	-	1	-	1	-	-	-	3	1	-	-	-	-	-	-	-
Sequelae (Late effects)	1	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-

Continued on next page.

DEATHS DUE TO EXTERNAL CAUSES* BY AGE AND SEX, NEW YORK CITY, 1999 (CONTINUED)

Table 10. Assault (Homicide) and Legal Intervention

Method	All Ages	0-4		5-9		10-14		15-19		20-24		25-34		35-44		45-54		55-64		65-74		75+	
		Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
Total	698	9	11	4	1	8	4	80	10	108	14	164	30	94	25	56	15	24	4	13	4	11	9
Poisoning by noxious substances	1	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
Hanging, strangulation and suffocation	50	1	1	-	-	-	1	1	1	-	7	7	7	4	7	2	3	1	-	3	-	1	3
Drowning and submersion	3	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Firearm discharge	394	-	1	1	-	4	1	61	5	91	5	115	12	47	4	27	4	9	1	3	1	1	1
Smoke, fire and flames	12	1	-	1	-	-	1	-	-	-	-	1	-	4	-	2	-	1	-	-	-	1	-
Sharp or blunt object	138	1	1	-	1	2	-	14	3	15	2	27	7	20	8	10	6	7	2	3	2	3	4
Pushing from high place	1	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
Bodily force	3	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	1	-	-	-	-	-
Neglect, abandonment & other maltreatment	12	5	4	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	-
Sequelae (Late effects)	9	-	-	-	-	-	-	-	-	-	-	1	-	3	1	3	-	-	-	1	-	-	-
Other and unspecified means	67	-	2	1	-	2	1	3	1	2	-	10	4	12	4	11	2	3	-	3	1	4	1
Legal intervention, all	8	-	-	-	-	-	-	1	-	-	-	3	-	2	-	-	-	2	-	-	-	-	-

Table 11. Events of Undetermined Intent

Method	All Ages	0-4		5-9		10-14		15-19		20-24		25-34		35-44		45-54		55-64		65-74		75+	
		Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
Total	153	12	1	0	0	4	0	2	2	9	0	14	5	20	8	26	9	9	2	6	14	4	6
Poisoning by noxious substances	31	-	-	-	-	-	-	-	-	-	-	4	1	5	5	7	5	-	1	-	1	-	2
Hanging, strangulation and suffocation	3	-	-	-	-	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Drowning and submersion	15	-	-	-	-	-	-	1	2	-	4	1	-	-	3	1	1	-	1	-	1	-	-
Firearm discharge	2	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Smoke, fire and flames	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-
Sharp or blunt object	1	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
Falling from high place	6	-	-	-	-	1	-	1	-	1	-	-	-	1	-	1	-	-	-	-	-	-	1
Other and unspecified means	94	12	1	-	-	2	-	1	1	4	-	4	3	13	3	15	3	8	1	5	13	2	3

Table 11a. Complications of Medical and Surgical Care

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

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

Table 12.

Deaths from HIV Disease by Age, Sex and Ethnic Group, New York City, 1983-1999*

AGE GROUP/ETHNIC GROUP		MALE											FEMALE										
		1983-1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	1983-1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
ALL AGES	Total	14,266	3,764	4,213	4,567	4,746	5,267	5,240	3,616	1,850	1,358	1,372	2,671	852	1,015	1,222	1,374	1,835	1,806	1,382	775	620	648
	Puerto Rican	2,418	572	609	679	695	1,075	1,082	784	401	253	265	598	174	185	218	268	399	432	321	170	128	139
	Other Hispanic	1,233	385	478	543	586	441	473	290	154	114	98	170	63	101	117	132	109	111	78	33	36	39
	Asian & Pacific Islander	124	26	30	29	23	31	52	23	16	10	11	10	3	3	4	7	5	2	4	4	2	2
	Other White	5,121	1,297	1,297	1,407	1,318	1,449	1,452	888	369	285	247	384	124	147	174	177	289	280	200	97	78	94
	Other Black	4,513	1,175	1,452	1,526	1,698	2,133	2,083	1,543	874	651	674	1,335	414	501	603	673	991	958	760	457	362	358
	Other & Unknown	857	309	347	383	426	138	98	88	36	45	77	174	74	78	106	117	42	23	19	14	14	16
UNDER 1	Total	68	18	16	7	13	11	12	7	2	1	1	67	21	11	8	13	20	2	6	3	1	0
	Puerto Rican	16	2	3	-	1	2	-	-	-	-	-	8	4	-	1	1	3	-	1	-	-	-
	Other Hispanic	8	2	1	1	2	-	1	-	-	-	-	8	1	-	2	2	-	-	-	-	-	-
	Asian & Pacific Islander	1	-	-	-	-	-	-	-	-	-	-	0	-	-	-	-	-	-	-	-	-	-
	Other White	14	4	-	-	2	3	3	4	-	1	-	7	2	1	-	1	5	-	1	-	-	-
	Other Black	25	8	12	6	8	6	7	2	2	-	1	38	14	8	4	9	10	2	4	3	1	-
	Other & Unknown	4	2	-	-	-	-	1	1	-	-	-	6	-	2	1	-	2	-	-	-	-	-
1-14	Total	125	41	39	42	37	51	53	48	20	7	10	119	31	42	33	45	45	60	44	16	8	8
	Puerto Rican	24	8	7	6	5	13	9	9	5	2	-	19	9	12	3	7	6	11	7	3	1	-
	Other Hispanic	10	3	7	10	7	5	4	2	2	-	2	11	4	5	4	7	3	4	5	1	-	1
	Asian & Pacific Islander	2	-	-	-	-	1	-	-	-	-	-	1	-	-	1	-	-	1	-	-	-	-
	Other White	17	5	2	8	4	6	19	13	2	1	2	22	3	4	4	1	9	15	8	1	2	2
	Other Black	70	23	21	12	18	25	21	22	10	4	6	56	13	16	18	27	26	28	23	11	5	5
	Other & Unknown	2	2	2	6	3	1	-	2	1	-	-	10	2	5	3	3	1	1	1	-	-	-
15-24	Total	299	50	31	39	46	53	38	15	12	8	7	133	27	30	29	32	39	34	18	11	12	14
	Puerto Rican	76	10	6	13	2	9	7	3	3	-	-	41	4	5	5	6	10	9	6	2	2	2
	Other Hispanic	36	11	3	4	10	8	5	2	2	1	-	7	2	5	1	4	4	4	3	-	-	1
	Asian & Pacific Islander	1	-	-	-	-	1	2	-	-	-	-	0	-	1	1	-	-	-	-	-	-	-
	Other White	57	8	5	4	6	8	8	3	2	1	-	17	5	3	8	5	3	5	1	-	1	1
	Other Black	108	17	14	17	23	27	15	6	5	5	7	57	12	13	14	14	21	15	6	8	8	10
	Other & Unknown	21	4	3	1	5	-	1	1	-	1	-	11	4	3	-	3	1	1	2	1	1	-
25-34	Total	4,478	997	1,041	1,008	1,014	1,002	1,028	619	277	183	151	1,221	322	337	382	386	512	510	317	157	131	101
	Puerto Rican	941	195	188	169	169	215	237	148	61	29	34	291	72	68	83	72	121	130	72	34	26	22
	Other Hispanic	394	116	167	145	199	109	110	56	28	19	15	76	24	36	53	51	30	24	21	10	12	8
	Asian & Pacific Islander	28	3	5	2	6	5	16	3	5	1	1	4	-	-	1	2	2	-	2	-	1	1
	Other White	1,416	306	273	281	250	279	282	125	56	38	20	176	50	56	50	44	85	84	55	22	14	12
	Other Black	1,428	309	318	326	305	377	366	276	122	90	76	599	155	150	161	186	263	268	166	88	76	56
	Other & Unknown	271	68	90	85	85	17	17	11	5	6	5	75	21	27	34	31	11	4	1	3	2	2
35-44	Total	5,948	1,725	2,015	2,138	2,154	2,408	2,308	1,517	754	498	489	856	335	413	534	636	830	811	617	345	280	278
	Puerto Rican	978	254	274	319	300	513	466	318	175	100	103	184	62	73	85	122	163	181	130	78	51	64
	Other Hispanic	474	167	205	223	238	179	192	121	63	52	42	50	22	35	37	46	45	49	31	16	17	16
	Asian & Pacific Islander	54	15	20	13	9	12	14	9	6	3	3	1	2	1	-	3	2	-	1	1	-	-
	Other White	2,128	600	644	673	622	696	682	396	165	118	104	114	44	61	73	91	139	130	100	51	42	48
	Other Black	1,970	545	714	737	794	939	917	646	336	211	209	453	173	213	287	319	463	439	342	191	164	144
	Other & Unknown	344	144	158	173	191	69	37	27	9	14	28	54	32	30	52	55	18	12	13	8	6	6
45-54	Total	2,398	685	758	959	1,066	1,255	1,312	1,019	549	461	474	185	75	128	165	194	288	287	294	185	134	195
	Puerto Rican	304	79	98	134	167	249	269	229	120	83	88	46	16	19	30	42	74	78	77	36	36	45
	Other Hispanic	234	67	64	115	83	91	101	67	42	28	22	13	5	14	16	15	15	22	12	3	5	7
	Asian & Pacific Islander	26	7	3	12	8	9	14	5	3	4	2	1	-	-	1	2	1	-	1	1	-	-
	Other White	1,014	278	257	320	311	325	337	264	107	99	82	22	11	15	28	25	35	32	29	20	13	29
	Other Black	669	194	264	289	395	547	552	421	262	230	250	90	31	71	83	90	155	153	173	123	77	107
	Other & Unknown	151	60	72	89	102	34	39	33	15	17	30	13	12	9	7	20	8	2	2	2	3	7
55 & OVER	Total	950	248	313	374	416	487	489	391	236	200	240	90	41	54	71	68	101	102	86	58	54	52
	Puerto Rican	79	24	33	38	51	74	94	77	37	39	40	9	7	8	11	18	22	23	28	17	12	6
	Other Hispanic	77	19	31	45	47	49	60	42	17	14	17	5	5	6	4	7	12	8	6	3	2	6
	Asian & Pacific Islander	12	1	2	2	-	3	6	6	2	2	5	3	1	1	-	-	1	-	2	1	1	1
	Other White	475	96	116	121	123	132	121	83	37	27	39	26	9	7	11	10	13	14	6	3	6	2
	Other Black	243	79	109	139	155	212	205	170	137	111	125	42	16	30	36	28	53	53	46	33	31	36
	Other & Unknown	64	29	22	29	40	17	3	13	6	7	14	5	3	2	9	5	1	3	-	-	2	1

Note: For 1983-1986, only AIDS was recognized as a cause of death and coded 279.1; from 1987 through 1998, AIDS was coded 042 and other HIV diseases were coded 043-044. Under ICD-10, beginning 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 and the Special Note on Cause-of-Death Coding.

Table 13. Characteristics of Decedents with Selected Causes of Death*, New York City, 1999

Cause of Death	Total	Percent of Total Deaths with Specified Characteristics								
		Ethnic Group						Male	Never Married	Age Under 20
		Puerto Rican	Other Hispanic	Asian	Other White	Other Black	Other & Unknown			
All Causes.....	62,470	7.9	5.2	3.5	56.3	24.9	2.3	48.4	22.3	2.3
HIV Disease.....	2,020	20.0	6.8	0.6	16.9	51.1	4.6	67.9	62.0	1.1
Chronic Liver Disease & Cirrhosis.....	689	23.8	7.4	4.1	35.6	26.1	3.0	72.1	32.4	0.1
Use of or Poisoning by										
Psychoactive Substance.....	881	15.7	7.2	0.5	37.7	33.7	5.3	77.9	52.7	0.7
Motor Vehicle Accidents.....	404	6.9	10.1	6.9	47.0	26.2	2.7	70.0	48.0	13.6
Other Accidents.....	729	8.0	8.9	4.4	50.2	24.8	3.7	62.4	37.4	7.1
Intentional Self-harm (Suicide).....	494	9.5	8.7	9.9	51.8	17.6	2.4	73.5	49.0	5.5
Assault (Homicide).....	698	9.9	15.6	2.1	17.2	51.9	3.3	81.8	68.2	18.2
Events of Undetermined Intent.....	153	6.5	5.2	3.3	43.1	25.5	16.3	69.3	49.7	13.7
All Other Causes.....	56,402	7.1	4.8	3.6	58.9	23.5	2.1	45.9	19.0	2.0

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

**Table 14. Life Expectancy at Specified Ages by Sex and Race
New York City and the United States, 1980 and 1990**

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

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

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

Table 15. Average Yearly Age-Sex-Specific Death Rates per 1,000 Population, New York City, 1909-1991

Age	1909-1911		1919-1920		1929-1931		1939-1941		1949-1951		1959-1961		1969-1971		1979-1981		1989-1991	
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
0-4	50.2	43.2	32.4	26.5	19.4	15.4	11.3	8.8	7.6	6.0	8.2	6.4	6.6	5.3	4.1	3.4	3.8	3.1
5-9	4.2	3.9	3.8	3.1	2.5	2.0	1.0	0.8	0.6	0.5	0.7	0.5	0.6	0.4	0.4	0.2	0.2	0.2
10-14	2.4	2.3	2.4	2.2	1.7	1.3	0.9	0.7	0.6	0.4	0.5	0.3	0.5	0.3	0.3	0.2	0.3	0.2
15-19	3.9	3.1	4.0	3.7	2.6	2.2	1.3	1.1	0.9	0.6	0.9	0.5	1.8	0.7	1.3	0.5	1.7	0.4
20-24	5.3	4.6	5.8	5.4	3.4	3.2	1.7	1.6	1.3	0.9	1.5	0.7	2.9	0.9	2.4	0.7	2.5	0.7
25-29	6.9	5.9	6.5	6.9	3.8	3.4	2.2	2.0	1.4	1.2	1.7	1.0	2.8	1.1	2.7	0.8	3.2	1.0
30-34	9.6	7.6	7.7	7.0	5.1	4.1	3.1	2.4	2.0	1.6	2.4	1.6	3.3	1.7	3.1	1.1	5.0	1.8
35-39	13.0	9.3	9.2	7.3	7.0	5.0	4.5	3.2	3.2	2.2	3.5	2.3	4.8	2.5	3.7	1.6	7.4	2.4
40-44	16.5	11.2	10.9	9.0	10.1	6.9	7.0	4.8	5.5	3.6	5.6	3.5	6.7	3.6	5.2	2.5	8.4	2.6
45-49	20.8	14.3	15.2	12.1	14.8	10.5	11.7	7.4	8.9	5.3	8.6	5.0	9.5	5.3	7.8	3.9	9.0	3.5
50-54	26.5	19.1	20.6	16.3	22.0	15.0	17.2	11.5	14.5	8.3	13.7	7.2	13.5	7.3	11.0	5.8	11.1	5.3
55-59	37.0	28.8	30.1	24.8	32.0	23.4	25.9	17.5	22.6	12.8	19.7	9.8	19.8	9.9	15.6	8.4	14.5	7.6
60-64	51.4	44.1	40.8	33.8	44.7	35.3	37.9	26.8	32.9	20.5	30.0	15.8	28.3	13.4	23.2	12.7	20.1	11.6
65-69	68.5	58.9	60.1	55.0	62.0	50.2	55.0	40.8	46.2	29.7	43.4	24.2	41.1	20.3	33.4	17.8	28.5	16.9
70-74	89.6	81.2	85.1	79.5	84.3	73.3	78.9	62.5	68.0	49.7	61.1	40.7	57.3	32.6	49.9	27.3	41.9	25.3
75-79	127.3	114.4	116.2	107.6	120.7	109.2	111.4	93.3	95.9	77.0	87.7	65.6	83.1	55.3	71.0	42.7	60.6	37.8
80-84	167.4	159.6	162.6	143.6	170.9	151.2	149.8	141.5	134.0	121.2	138.9	117.1	120.3	91.7	109.9	75.9	95.9	62.1
85 & Over	257.4	232.3	224.8	210.2	242.8	227.5	230.5	222.2	202.8	183.8	206.6	198.3	167.0	155.6	185.2	154.2	169.6	142.9

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

Table 16. Average Yearly Age-Sex-Race Adjusted Death Rates for Selected Causes per 100,000 Population New York City, 1901-1991

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

Note: Rates for 1979-1981 and 1989-1991 are based on deaths to New York City residents only, regardless of place of occurrence, while those for previous years included all events in New York City, regardless of the residence of the decedents. See Technical Notes. For 1901-1903 and 1909-1911 rates are adjusted for age and sex. For other years, rates are adjusted for age, sex and race (white and others). Standard is United States population, 1940. * Data are not available or not applicable until a later time period.

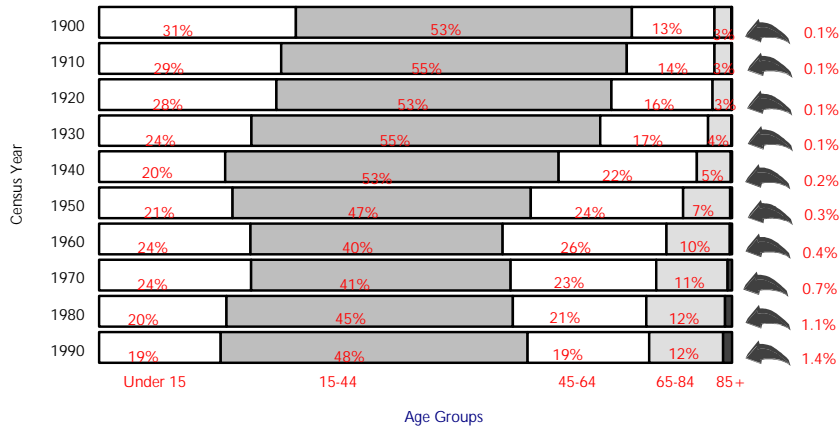


Figure 1. Changes in Age Composition of the Population New York City, 1900-1990

The age composition of the New York City population reflects changes in life expectancy, and natural historic trends. From 1900 to 1990, the proportion of city residents age 45 and over doubled, from 16% to 32%; the increase was greatest in the oldest age group, those 85 & over. The effect of the economic depression of the 1930's 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.

Figure 2. Age and Sex Composition of the Population New York City, 1990

This age-sex pyramid shows that there are more females than males in the New York City 1990 population, and that the excess is greater at older ages. The smaller segment of both males and females in age group 5-9 years reflect the lower number of births in the early 1980's, compared to the larger number in the second half of the 1980's.

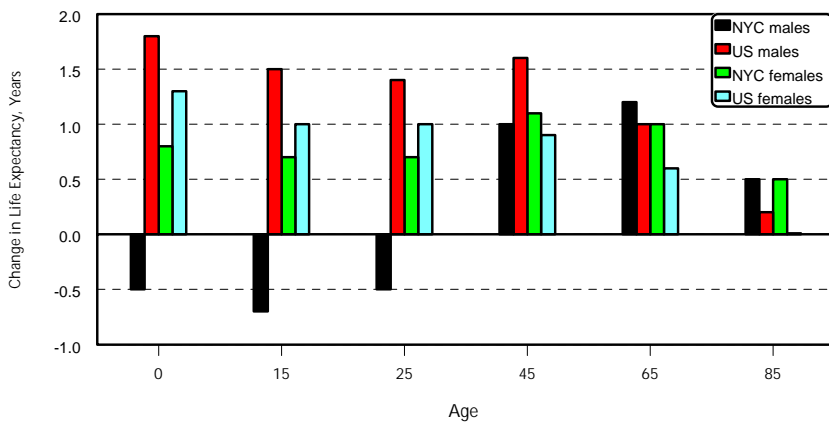
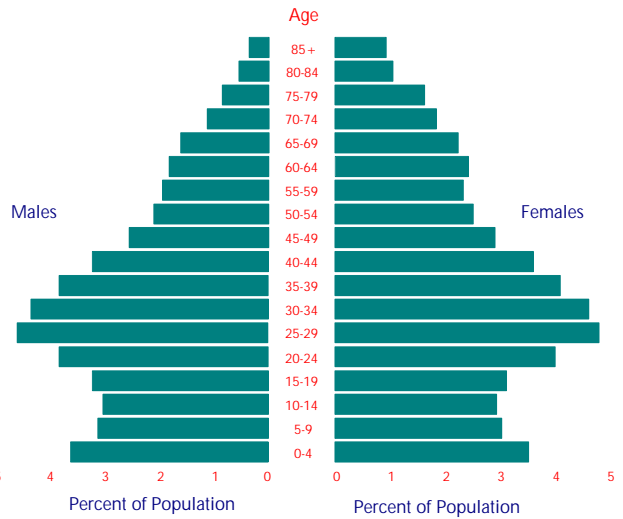


Figure 3. Changes in Life Expectancy at Selected Ages by Sex, 1980 and 1990 New York City and United States

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

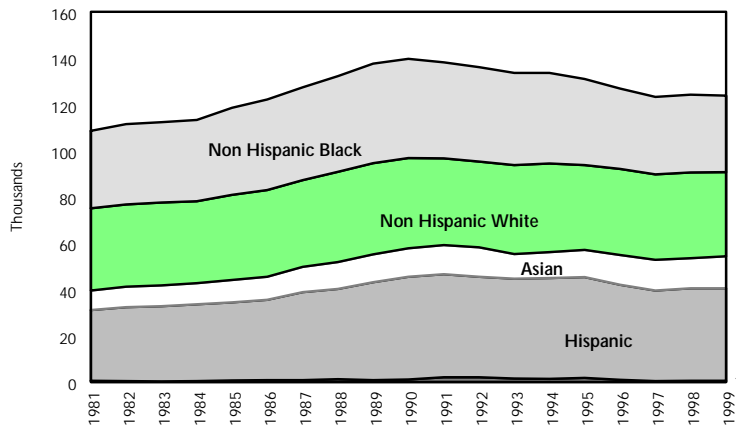


Figure 4. Live Births by Mother's Ethnic Group
New York City, 1981-1999

The total number of live births registered in New York City rose about 30% during the 1980s from 108,547 in 1981 to 139,630 in 1990. This was the highest number reached since 1970. During the 1990s, live births declined 11%. The largest year-to-year decline, from 131,009 in 1995 to 126,901 in 1996, was 3.1%. Through the decade of the 1990s, there were more births to Hispanic women than to any other ethnic group. From 1981 to 1999, births to Asian mothers increased 63%. Births to both non-Hispanic black and non-Hispanic white women peaked in 1989; births to non-Hispanic white mothers declined 8%, and births to non-Hispanic black mothers fell 23%.

Other & Unknown

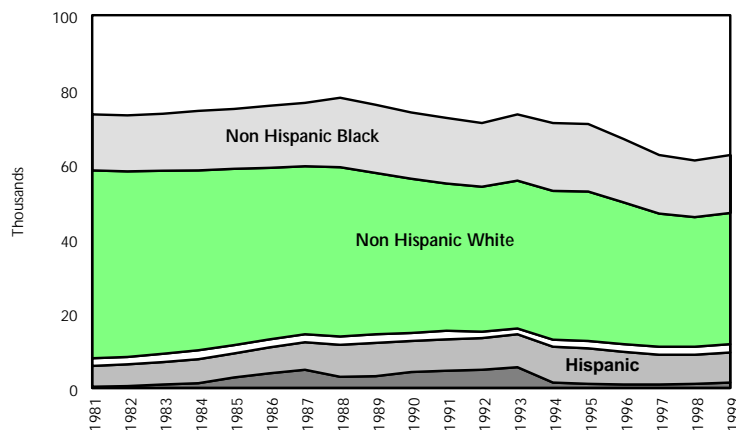


Figure 5. Deaths by Ethnic Group of Decedent
New York City, 1981-1999

The number of non-Hispanic white decedents declined from two-thirds of all decedents to just over half from 1981 to 1999. Deaths among non-Hispanic blacks now constitute about one-quarter of New York City deaths.

Asian

Other & Unknown

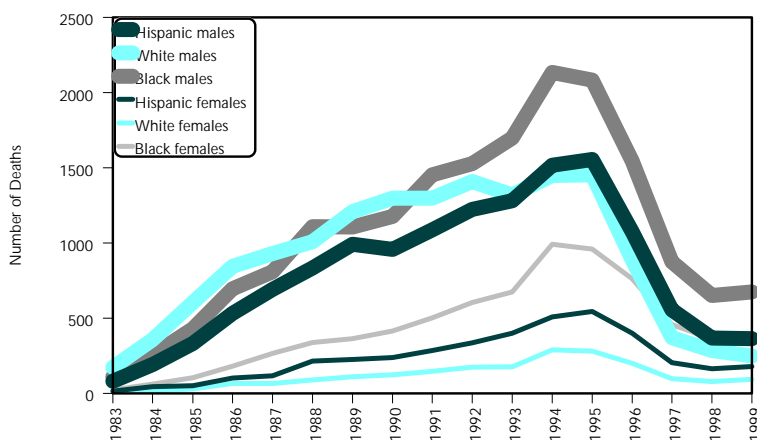


Figure 6. Deaths Due to HIV Disease
by Sex and Selected Ethnic Group
New York City, 1983-1999

The number of deaths due to HIV disease declined 72% from 1994 to 1998 but increased 2% from 1998 to 1999. Analysis will determine whether this increase is due to changes in ICD-10 or in the course of the epidemic.

The decline, seen among both males and females and in all ethnic groups, was attributed to the introduction of new drugs and to increased access to care under Ryan White Care Act. The current increase occurred among men aged 45 and older and women age 45-54.

See the Technical Notes for a discussion of HIV disease and AIDS as a cause of death. See the Special Note for a discussion of ICD-10.

Table 17.

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

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

** Data are not available or not applicable.

(1) Numbers following causes are codes of the International Classification of Diseases, Tenth Revision.
fetal deaths 28 weeks and over + infant deaths under 7 days

fetal deaths 28 weeks and over + live births

(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-V88.9, V89.0, V89.2.

(5) Data for 1982-1985.

(6) Rate less than 0.05.

Selected Causes*, New York City, 1901-1999

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		
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		
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		
3,220	3,226	2,602	1,714	1,333	1,097	1,159	1,089	941	917	804	811	656	605	593	606		
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		
2,909	2,922	2,351	1,480	1,131	927	972	896	783	769	660	657	528	459	475	474		
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		
2,362	2,276	1,885	1,288	835	719	698	648	970	692	589	533	580	507	505	490		
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		
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	7.8	7.8		
107	109	73	36	28	33	29	24	30	20	29	26	22	17	16	26		
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	21.0		
824	624	432	235	141	125	174	197	155	135	113	75	46	44	33	37	0.91	
10.6	8.0	5.5	3.1	2.0	1.7	2.4	2.7	2.1	1.8	1.5	1.0	0.6	0.6	0.5	0.5		
52	43	39	32	22	35	55	57	45	31	20	19	21	11	19	12	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		
**	**	**	**	**	768 (5)	3,703	5,228	5,789	6,120	7,102	7,046	4,998	2,625	1,978	2,020	1.06	
					10.7	50.9	71.4	79.1	83.6	97.0	96.2	68.3	35.8	27.0	27.6		
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	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		
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	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		
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	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		
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	1.01	
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		
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	1.01	
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		
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	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		
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	1.06	
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		
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	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		
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		
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		
1,858	2,386	2,936	2,440	2,185	1,789	1,289	958	990	959	903	921	825	720	684	689	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		
573	509	447	372	381	383	816	450	327	327	238	213	296	378	413	882	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		
96	263	551	677	414	573	787	781	803	1,083	1,033	1,033	909	885	825	855		
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		
**	**	**	**	**	1	143	59	55	62	35	32	36	19	18	26		
					(6)	2.0	0.8	0.8	0.8	0.5	0.4	0.5	0.3	0.2	0.4		
655	714	887	834	606	477	624	631	586	551	500	501	438	499	387	404	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		
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		
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		
711	908	680	641	711	603	600	649	605	558	605	577	557	545	524	494	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		
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	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		
**	**	946	1,062	699	696	504	144	141	200	176	146	153	159	135	153		
**	**	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		
**	**	**	**	**	**	**	76	73	78	94	101	77	74	82	132	1.55	
**	**	**	**	**	**	**	1.0	1.0	1.1	1.3	1.4	1.1	1.0	1.1	1.8		
**	**	**	**	**	**	**	247	273	253	291	282	273	235	250	244	0.89	
							3.4	3.7	3.5	4.0	3.9	3.7	3.2	3.4	3.3		

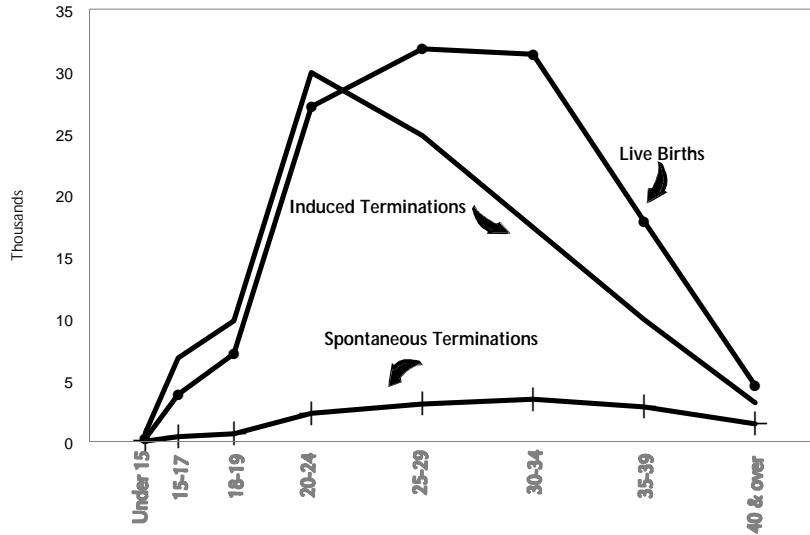


Figure 7. Live Births, Induced Terminations and Spontaneous Terminations of Pregnancy by Age of Woman, New York City, 1999

There are almost 250,000 pregnancy outcomes reported annually in New York City. Over half are live births, about 43% are induced terminations, and the remainder are spontaneous terminations (fetal deaths). For women under age 25, the pregnancy outcome is 32% more likely to be an induced or spontaneous termination than a live birth. Women age 30-34 and 35-39 are about 50% more likely to have a live birth, while women age 40 and over have an equal likelihood of live birth or termination. The number of induced and spontaneous terminations reported depends to some extent on active surveillance.

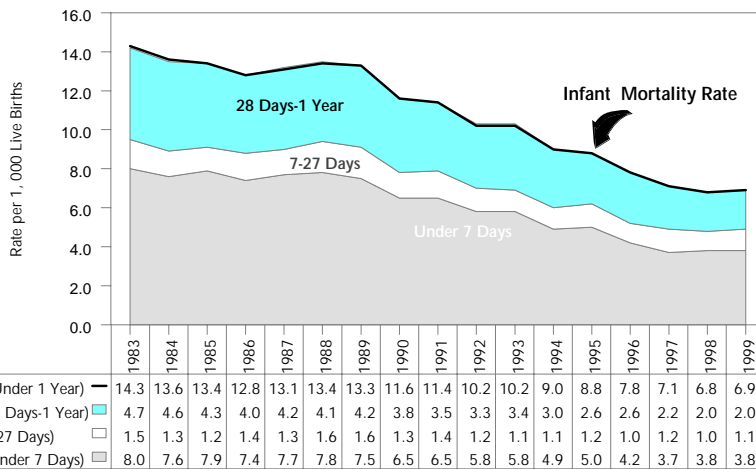


Figure 8. Infant, Neonatal and Post-neonatal Mortality Rates, New York City, 1983-1999

The New York City infant mortality rate declined 52% from 1983 to 1998, but increased from 6.8 to 6.9 per 1,000 live births from 1998 to 1999. The increase occurred in infants in the late neonatal period (age 7 to 27 days); the rate in the early neonatal (under seven days) and postnatal (28 days through under one year) periods remained stable. About 56% of deaths occur in the early neonatal period, 16% in the late neonatal period, and 29% in the postnatal period.

Table 18.

**Live Births, Spontaneous and Induced Terminations of Pregnancy
by Borough of Residence and Age of Woman
New York City, 1999**

Borough of Residence/ Pregnancy Outcome	Total	Age of Woman								Unknown & Not Stated
		Under 15	15-17	18-19	20-24	25-29	30-34	35-39	40 & Over	
NEW YORK CITY	240,251	915	10,955	17,527	59,258	59,578	52,124	30,478	9,117	299
Live Births	123,739	213	3,814	7,118	27,108	31,777	31,350	17,807	4,548	4
Spontaneous Terminations	14,178	36	388	637	2,293	3,043	3,437	2,796	1,431	117
Induced Terminations	102,334	666	6,753	9,772	29,857	24,758	17,337	9,875	3,138	178
MANHATTAN	36,473	136	1,635	2,529	7,868	8,382	8,622	5,448	1,817	36
Live Births	19,504	35	607	1,023	3,213	4,280	5,663	3,589	1,094	-
Spontaneous Terminations	2,262	2	73	108	311	423	560	496	276	13
Induced Terminations	14,707	99	955	1,398	4,344	3,679	2,399	1,363	447	23
BRONX	46,986	259	2,864	4,257	13,618	11,707	8,382	4,646	1,199	54
Live Births	21,299	60	1,128	1,844	5,910	5,432	4,205	2,242	478	-
Spontaneous Terminations	2,816	8	112	167	587	670	590	467	197	18
Induced Terminations	22,871	191	1,624	2,246	7,121	5,605	3,587	1,937	524	36
BROOKLYN	77,127	299	3,654	5,742	20,728	19,675	15,231	9,007	2,693	98
Live Births	39,258	71	1,312	2,415	10,246	10,420	8,601	4,940	1,253	-
Spontaneous Terminations	4,430	15	123	211	803	998	1,027	809	402	42
Induced Terminations	33,439	213	2,219	3,116	9,679	8,257	5,603	3,258	1,038	56
QUEENS	52,769	155	1,949	3,677	12,502	13,880	12,065	6,570	1,900	71
Live Births	28,200	43	599	1,501	6,085	8,077	7,317	3,730	848	-
Spontaneous Terminations	2,858	10	67	112	434	633	727	559	290	26
Induced Terminations	21,711	102	1,283	2,064	5,983	5,170	4,021	2,281	762	45
RICHMOND	9,109	20	351	519	1,711	2,321	2,553	1,303	324	7
Live Births	5,811	4	113	224	852	1,647	1,910	880	181	-
Spontaneous Terminations	699	1	11	24	82	153	193	166	67	2
Induced Terminations	2,599	15	227	271	777	521	450	257	76	5
NON-RESIDENTS	17,457	45	488	775	2,739	3,531	5,213	3,472	1,173	21
Live Births	9,650	-	55	110	797	1,920	3,650	2,424	694	-
Spontaneous Terminations	1,097	-	2	15	75	163	339	298	197	8
Induced Terminations	6,710	45	431	650	1,867	1,448	1,224	750	282	13
RESIDENCE UNKNOWN	330	1	14	28	92	82	58	32	11	12
Live Births	17	-	-	1	5	1	4	2	-	4
Spontaneous Terminations	16	-	-	-	1	3	1	1	2	8
Induced Terminations	297	1	14	27	86	78	53	29	9	-

Table 19.

**Spontaneous Terminations of Pregnancy by Gestation and Age of Woman
New York City, 1999**

Gestation in Weeks	Total	Age of Woman								40 & Over	Not Stated
		Under 15	15-17	18-19	20-24	25-29	30-34	35-39			
Total	14,178	36	388	637	2,293	3,043	3,437	2,796	1,431	117	
Under 13	8,934	22	209	375	1,403	1,887	2,090	1,858	1,031	59	
13-15	1,458	2	51	83	262	305	363	267	116	9	
16-19	1,101	2	28	59	175	260	290	204	82	1	
20-27	922	4	35	54	171	215	245	149	44	5	
28 & Over	490	-	17	22	91	109	121	96	31	3	
Not Stated	1,273	6	48	44	191	267	328	222	127	40	

**Table 20. Live Births, Spontaneous Terminations of 28 Weeks Gestation and Over and Induced Terminations of Pregnancy by Boroughs of Residence and Occurrence
New York City, 1999**

Borough of Residence/ Pregnancy Outcome	Total	Borough of Occurrence				
		Manhattan	Bronx	Brooklyn	Queens	Richmond
NEW YORK CITY	226,563	90,083	28,620	48,034	52,846	6,980
Live Births	123,739	40,934	18,032	32,821	25,337	6,615
Spontaneous Terminations	490	133	86	160	98	13
Induced Terminations	102,334	49,016	10,502	15,053	27,411	352
MANHATTAN	34,274	32,217	1,036	332	663	26
Live Births	19,504	18,743	468	143	126	24
Spontaneous Terminations	63	54	5	2	2	-
Induced Terminations	14,707	13,420	563	187	535	2
BRONX	44,268	17,238	25,828	351	843	8
Live Births	21,299	4,479	16,533	120	159	8
Spontaneous Terminations	98	18	79	1	-	-
Induced Terminations	22,871	12,741	9,216	230	684	-
BROOKLYN	72,884	19,872	273	43,469	8,271	999
Live Births	39,258	6,891	93	30,095	1,209	970
Spontaneous Terminations	187	25	-	151	8	3
Induced Terminations	33,439	12,956	180	13,223	7,054	26
QUEENS	50,017	9,449	300	2,266	37,949	53
Live Births	28,200	5,159	159	1,577	21,254	51
Spontaneous Terminations	106	18	-	5	83	-
Induced Terminations	21,711	4,272	141	684	16,612	2
RICHMOND	8,420	1,833	24	834	235	5,494
Live Births	5,811	220	7	392	24	5,168
Spontaneous Terminations	10	1	-	1	-	8
Induced Terminations	2,599	1,612	17	441	211	318
NON-RESIDENTS	16,386	9,370	1,106	709	4,801	400
Live Births	9,650	5,437	766	491	2,562	394
Spontaneous Terminations	26	17	2	-	5	2
Induced Terminations	6,710	3,916	338	218	2,234	4
RESIDENCE UNKNOWN	314	104	53	73	84	0
Live Births	17	5	6	3	3	-
Spontaneous Terminations	0	-	-	-	-	-
Induced Terminations	297	99	47	70	81	-

**Table 21. Live Births by Ancestry of Mother and Borough of Residence
New York City, 1999**

Ancestry of Mother	Total	Borough of Residence						
		Manhattan	Bronx	Brooklyn	Queens	Richmond	Non-Residents	Residence Unknown
Total	123,739	19,504	21,299	39,258	28,200	5,811	9,650	17
Puerto Rican	12,184	1,457	5,406	3,012	1,507	474	326	2
Dominican	9,228	2,367	3,360	1,742	1,537	39	183	-
Colombian	1,387	66	56	136	1,041	29	59	-
Ecuadorian	2,640	220	306	556	1,490	26	42	-
Mexican	5,575	703	949	1,923	1,712	245	41	2
Cuban	296	58	60	53	68	16	41	-
Other Hispanic	8,761	2,160	1,715	1,956	2,524	148	257	1
African-American	19,714	2,436	4,821	7,709	3,485	631	627	5
American	6,199	1,558	232	1,906	848	407	1,247	1
Guyanese	2,467	27	242	917	1,222	13	46	-
Haitian	2,122	75	35	1,377	526	12	97	-
Jamaican	3,045	74	741	1,305	781	27	117	-
Trinidadian	1,540	47	80	904	462	26	21	-
Other North, Central and South American	2,904	209	344	1,763	419	42	127	-
English	788	408	16	97	50	33	184	-
German	1,834	560	60	257	297	204	455	1
Irish	3,522	675	209	514	649	513	961	1
Italian	5,878	537	321	1,170	873	1,679	1,298	-
Polish	1,275	184	27	506	290	76	192	-
Russian	2,027	386	29	787	454	75	296	-
Other European	4,541	1,126	311	1,206	924	297	677	-
Asian Indian	1,882	138	93	195	1,173	86	197	-
Bangladeshi	1,363	66	134	317	838	3	5	-
Chinese	5,216	1,465	98	1,778	1,534	60	281	-
Filipino	839	95	60	109	361	73	141	-
Korean	890	139	42	50	553	28	78	-
Pakistani	1,331	42	71	600	536	33	49	-
Other Asian	3,479	656	194	1,213	977	113	326	-
Jewish or Hebrew	5,944	553	80	4,002	270	164	875	-
Other and Not Stated	4,868	1,017	1,207	1,198	799	239	404	4

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

**Figure 9. Marriages, Births and Deaths by Month and Average Number per Day
New York City, 1999**

MONTHS	NUMBER			AVERAGE PER DAY		
	MARRIAGES	BIRTHS	DEATHS	MARRIAGES	BIRTHS	DEATHS
January	3,019	10,259	6,769	97	331	218
February	3,510	9,214	5,362	125	329	192
March	4,271	10,277	5,331	138	332	172
April	4,811	9,781	4,837	160	326	161
May	4,902	10,233	4,991	158	330	161
June	5,497	10,262	4,694	183	342	156
July	5,416	10,920	5,233	175	352	169
August	6,018	10,965	4,782	194	354	154
September	5,063	10,618	4,599	169	354	153
October	4,295	10,553	5,053	139	340	163
November	4,194	10,014	4,967	140	334	166
December	4,079	10,643	5,852	132	343	189
Total	55,075	123,739	62,470	151	339	171

**Figure 10a. Most Popular Baby Names by Sex
New York City, Selected Years**

Rank	GIRLS											
	1898	1928	1948	1980	1985	1990	1994	1995	1996	1997	1998	1999
1	Mary	Mary	Linda	Jennifer	Jennifer	Stephanie	Ashley	Ashley	Ashley	Ashley	Ashley	Ashley
2	Catherine	Marie	Mary	Jessica	Jessica	Jessica	Jessica	Jessica	Jessica	Samantha	Samantha	Samantha
3	Margaret	Annie	Barbara	Melissa	Christina	Ashley	Stephanie	Amanda	Samantha	Jessica	Jessica	Emily
4	Annie	Margaret	Patricia	Nicole	Stephanie	Jennifer	Samantha	Samantha	Stephanie	Nicole	Amanda	Sarah
5	Rose	Catherine	Susan	Michelle	Melissa	Amanda	Amanda	Stephanie	Nicole	Amanda	Nicole	Nicole
6	Marie	Gloria	Kathleen	Elizabeth	Nicole	Samantha	Nicole	Jennifer	Amanda	Sarah	Emily	Kayla
7	Esther	Helen	Carol	Lisa	Elizabeth	Nicole	Jennifer	Nicole	Jennifer	Stephanie	Jennifer	Jessica
8	Sarah	Teresa	Nancy	Christina	Amanda	Christina	Michelle	Sarah	Sarah	Jennifer	Sarah	Brianna
9	Frances	Joan	Margaret	Tiffany	Danielle	Melissa	Tiffany	Michelle	Michelle	Emily	Brianna	Amanda
10	Ida	Barbara	Diane	Maria	Lauren	Michelle	Danielle	Emily	Emily	Brianna	Stephanie	Jennifer

Rank	BOYS											
	1898	1928	1948	1980	1985	1990	1994	1995	1996	1997	1998	1999
1	John	John	Robert	Michael	Michael	Michael	Michael	Michael	Michael	Michael	Michael	Michael
2	William	William	John	David	Christopher	Christopher	Christopher	Christopher	Christopher	Christopher	Christopher	Christopher
3	Charles	Joseph	James	Jason	Daniel	Jonathan	Kevin	Kevin	Anthony	Joseph	Justin	Justin
4	George	James	Michael	Joseph	David	Anthony	Anthony	Daniel	Kevin	Matthew	Joseph	Matthew
5	Joseph	Richard	William	Christopher	Anthony	David	Jonathan	Jonathan	Daniel	Justin	Matthew	Joseph
6	Edward	Edward	Richard	Anthony	Joseph	Daniel	Daniel	Joseph	Joseph	Daniel	Anthony	Daniel
7	James	Robert	Joseph	John	Jonathan	Joseph	Joseph	Anthony	Matthew	Anthony*	Daniel	Anthony
8	Louis	Thomas	Thomas	Daniel	Jason	Matthew	Matthew	Matthew	Justin	Brandon*	Brandon	David
9	Francis	George	Stephen	Robert	John	John	David	David	Jonathan	David	Nicholas	Kevin
10	Samuel	Louis	David	James	Robert	Andrew	Brandon	Justin	David	Jonathan	David	Joshua

* Tied Ranks

**Figure 10b. Most Popular Baby Names by Sex and Mother's Ethnicity
New York City, 1999**

Rank	GIRLS				BOYS			
	HISPANIC	BLACK	WHITE	ASIAN	HISPANIC	BLACK	WHITE	ASIAN
1	Ashley	Kayla	Sarah	Michelle	Christopher	Justin	Michael	Kevin
2	Samantha	Brianna	Samantha	Emily	Justin	Joshua	Joseph	Jason
3	Jennifer	Ashley	Rachel	Jenny	Kevin	Brandon*	Matthew	Justin
4	Emily	Destiny	Emily	Jessica	Michael	Isaiah*	Nicholas	Andrew
5	Nicole	kiara	Nicole	Amy	Jose	Christopher	Daniel	Michael
6	Stephanie	Jada	Julia	Tiffany	Brandon	Michael	John	Eric
7	Destiny	Jasmine	Alexandra	Sarah	Anthony	Elijah	David	Andy
8	Kayla	Shania	Jessica	Cindy	Jonathan	Jordan	Christopher	Mohammed
9	Kimberly	Diamond	Olivia	Amanda	Joshua	Anthony	Alexander	David
10	Michelle	Imani	Victoria	Jennifer	David	Matthew	Anthony	Matthew

* denote 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 22.

**Selected Characteristics of Live Births and Spontaneous Terminations of Pregnancy
28 Weeks Gestation and Over by Age of Mother, New York City, 1999**

	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	123,739	213	3,814	7,118	27,108	31,777	31,350	17,807	4,548	4
Sex										
Male	63,441	113	1,955	3,634	13,835	16,221	16,104	9,241	2,334	4
Female	60,298	100	1,859	3,484	13,273	15,556	15,246	8,566	2,214	-
Birth Order This Child (Live Births Only)										
First	53,385	211	3,458	5,492	14,464	12,977	10,707	4,798	1,274	4
Second	38,009	2	320	1,375	8,569	10,281	10,409	5,728	1,325	-
Third	18,323	-	31	210	3,021	5,043	5,597	3,609	812	-
Fourth	7,353	-	4	37	785	2,166	2,338	1,634	389	-
Fifth	3,205	-	-	4	214	853	1,083	818	233	-
Sixth or higher	3,464	-	1	-	55	457	1,216	1,220	515	-
Weight at Delivery in Grams										
Under 500	150	-	4	9	24	30	52	21	10	-
500-999	869	3	42	49	146	196	255	142	36	-
1000-1499	1,102	4	52	71	205	224	258	212	76	-
1500-1999	2,068	1	76	113	393	454	527	385	119	-
2000-2499	6,374	21	284	414	1,317	1,448	1,622	940	328	-
2500-2999	23,068	60	990	1,624	5,468	5,584	5,383	3,165	794	-
3000-3499	47,587	78	1,521	3,010	10,970	12,468	11,672	6,264	1,604	-
3500-3999	32,317	38	708	1,476	6,795	8,668	8,604	4,890	1,138	-
4000-4499	8,690	8	126	308	1,565	2,309	2,495	1,503	376	-
4500-4999	1,371	-	9	40	207	358	433	264	60	-
5000 & over	135	-	2	4	18	34	49	21	7	-
Not stated	8	-	-	-	-	4	-	-	-	4
Plurality										
Single	119,477	213	3,759	7,006	26,494	30,899	30,044	16,866	4,192	4
Twin	4,011	-	55	109	606	849	1,210	873	309	-
Triplet	233	-	-	3	8	29	92	58	43	-
Quadruplet	18	-	-	-	-	-	4	10	4	-
Quintuplet	0	-	-	-	-	-	-	-	-	-
Apgar Score at 5 Minutes										
6 or less	5,787	18	231	357	1,182	1,357	1,435	925	282	-
7	5,503	15	215	330	1,235	1,282	1,357	819	250	-
8	18,552	32	614	1,122	4,065	4,617	4,681	2,687	734	-
9	93,337	146	2,737	5,282	20,498	24,374	23,744	13,297	3,259	-
10	256	1	7	12	61	72	58	37	8	-
Not stated	304	1	10	15	67	75	75	42	15	4
Place of Birth										
Home	589	4	23	32	110	145	147	102	26	-
Voluntary Hospital, Private Service	59,322	34	626	1,300	8,086	15,244	19,233	11,637	3,162	-
Voluntary Hospital, General Service	40,169	110	2,052	3,745	12,078	7,481	3,628	845	845	-
Municipal Hospital	23,131	65	1,097	2,010	6,706	6,013	4,368	2,375	497	-
Birthing Center	355	-	13	25	89	97	80	41	10	-
Other	173	-	3	6	39	48	41	24	8	4
Attendant										
Physician	110,044	178	3,122	5,868	22,873	28,229	28,921	16,558	4,295	-
Certified Nurse Midwife	13,167	34	673	1,214	4,078	3,408	2,319	1,204	237	-
Other	528	1	19	36	157	140	110	45	16	4
Financial Coverage										
Self	4,796	11	154	312	1,120	1,203	1,113	681	202	-
Medicaid	61,231	156	2,950	5,552	18,736	15,806	11,163	5,602	1,266	-
Third Party	40,009	24	400	749	4,700	10,153	13,484	8,244	2,255	-
HMO	16,204	16	263	416	2,211	4,259	5,224	3,039	776	-
Not stated	1,499	6	47	89	341	356	366	241	49	4
First Visit for Prenatal Care*										
First Trimester (1-3 months)	68,480	45	1,387	3,029	12,842	17,865	19,460	11,048	2,804	-
Second Trimester (4-6 months)	26,481	73	1,203	2,046	6,970	6,690	5,548	3,160	791	-
Late (7-9 months)	6,430	36	399	603	1,774	1,595	1,205	660	158	-
No Care	6,809	23	291	497	1,728	1,751	1,488	827	204	-
Not stated	15,539	36	534	943	3,794	3,876	3,649	2,112	591	4
Marital Status of Mother										
Married	68,302	1	163	1,064	9,951	18,824	22,117	12,868	3,314	-
Not Married	55,437	212	3,651	6,054	17,157	12,953	9,233	4,939	1,234	4
Years of Education										
None	300	-	7	22	84	72	61	41	13	-
1-11	28,938	205	3,278	3,632	8,224	6,286	4,478	2,295	540	-
12	39,691	-	417	2,638	10,756	10,706	9,092	4,909	1,173	-
13 & over	51,925	-	7	615	7,302	13,958	17,120	10,193	2,730	-
Not stated	2,885	8	105	211	742	755	599	369	92	4
Birthplace of Mother										
United States other than Puerto Rico	59,033	161	2,511	4,205	13,268	13,534	14,478	8,534	2,342	-
Puerto Rico	2,871	6	157	263	807	672	559	323	84	-
Foreign	60,966	45	1,102	2,585	12,845	17,362	16,108	8,828	2,091	-
Not stated	869	1	44	65	188	209	205	122	31	4
Spontaneous Terminations of Pregnancy, 28 weeks & Over										
Total	490	-	17	22	91	109	121	96	31	3
Sex										
Male	219	-	7	6	40	45	59	44	17	1
Female	190	-	7	10	31	42	49	37	12	2
Undetermined	81	-	3	6	20	22	13	15	2	-
Weight at Delivery in Grams										
Under 500	29	-	4	1	5	11	2	3	3	-
500-999	42	-	1	2	5	8	15	4	7	-
1000-1499	59	-	2	5	11	10	13	13	4	1
1500-1999	57	-	4	3	6	13	15	12	3	1
2000-2499	60	-	1	3	14	18	14	6	4	-
2500 & over	140	-	1	2	30	26	41	32	7	1
Not stated	103	-	4	6	20	23	21	26	3	-

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

Table 23.

**Selected Characteristics of Live Births and Spontaneous Terminations of Pregnancy
28 Weeks Gestation and Over by Mother's Ethnic Group, New York City, 1999**

	Total	Ethnic Group of Mother						
		Puerto Rican	Other Hispanic	Asian	Other White	Other Black	Other	Not Stated
Total Live Births	123,739	12,184	27,887	13,768	36,369	32,960	255	316
Sex								
Male	63,441	6,238	14,261	7,119	18,895	16,640	118	170
Female	60,298	5,946	13,626	6,649	17,474	16,320	137	146
Birth Order This Child (Live Births Only)								
First	53,385	4,952	11,505	6,774	16,670	13,207	108	169
Second	38,009	3,631	8,974	4,792	10,917	9,532	88	75
Third	18,323	1,970	4,695	1,542	4,698	5,333	40	45
Fourth	7,353	899	1,731	417	1,806	2,480	14	6
Fifth	3,205	378	600	156	833	1,231	1	6
Sixth or Higher	3,464	354	382	87	1,445	1,177	4	15
Weight at Delivery in Grams								
Under 500	150	13	34	9	32	58	-	4
500-999	869	102	152	47	120	432	2	14
1000-1499	1,102	125	194	79	230	468	2	4
1500-1999	2,068	238	351	195	495	769	10	10
2000-2499	6,374	743	1,168	697	1,593	2,133	20	20
2500-2999	23,068	2,397	4,757	3,042	5,791	6,961	66	54
3000-3499	47,587	4,673	10,908	5,783	13,686	12,339	93	105
3500-3999	32,317	2,955	7,177	3,213	10,789	7,457	46	80
4000-4499	8,690	813	2,189	607	3,085	1,966	15	15
4500-4999	1,371	115	326	91	500	335	1	3
5000 & over	135	10	30	5	48	42	-	-
Not stated	8	-	1	-	-	-	-	7
Plurality								
Single	119,477	11,838	27,277	13,448	34,414	31,947	249	304
Twin	4,011	322	592	305	1,791	983	6	12
Triplet	233	18	18	15	152	30	-	-
Quadruplet	18	6	-	-	12	-	-	-
Quintuplet	0	-	-	-	-	-	-	-
Apgar Score at 5 Minutes								
6 or less	5,787	633	1,334	387	1,105	2,275	17	36
7	5,503	582	1,333	480	1,373	1,698	14	23
8	18,552	1,972	4,613	1,586	5,003	5,296	38	44
9	93,337	8,924	20,483	11,275	28,781	23,492	184	198
10	256	40	65	25	75	48	1	2
Not stated	304	33	59	15	32	151	1	13
Place of Birth								
Home	589	59	86	27	138	258	1	20
Voluntary Hospital, Private Service	59,322	4,369	5,523	6,202	30,602	12,407	78	141
Voluntary Hospital, General Service	40,169	4,838	12,971	4,636	4,386	13,146	47	145
Municipal Hospital	23,131	2,831	9,204	2,876	1,088	7,001	126	5
Birthing Center	355	71	67	16	127	71	2	7
Other	173	16	36	11	28	77	1	4
Attendant								
Physician	110,044	10,366	23,351	12,766	33,789	29,255	241	276
Certified Nurse Midwife	13,167	1,770	4,407	957	2,456	3,537	13	27
Other	528	48	129	45	124	168	1	13
Financial Coverage								
Self	4,796	365	1,024	698	1,452	1,239	5	13
Medicaid	61,231	7,140	20,895	7,127	6,862	18,911	165	131
Third Party	40,009	3,324	3,948	4,016	20,798	7,771	55	97
HMO	16,204	1,266	1,748	1,803	7,083	4,227	25	52
Not stated	1,499	89	272	124	174	812	5	23
First Visit for Prenatal Care*								
First Trimester (1-3 months)	68,480	6,348	13,878	7,650	23,808	16,521	159	116
Second Trimester (4-6 months)	26,481	2,921	7,036	3,116	5,383	7,906	56	63
Late (7-9 months)	6,430	558	1,918	754	988	2,187	9	16
No Care	6,809	778	1,502	714	1,658	2,123	5	29
Not stated	15,539	1,579	3,553	1,534	4,532	4,223	26	92
Marital Status of Mother								
Married	68,302	3,624	10,598	11,453	32,000	10,391	151	85
Not Married	55,437	8,560	17,289	2,315	4,369	22,569	104	231
Years of Education								
None	300	3	83	35	28	148	1	2
1-11	28,938	4,858	10,744	2,950	2,357	7,948	63	18
12	39,691	3,559	9,240	4,260	11,019	11,380	126	107
13 & over	51,925	3,668	6,993	5,890	22,541	12,718	64	51
Not stated	2,885	96	827	633	424	766	1	138
Birthplace of Mother								
United States other than Puerto Rico	59,033	9,349	4,626	547	26,163	18,125	59	164
Puerto Rico	2,871	2,662	175	-	24	9	-	1
Foreign	60,966	106	23,016	13,189	9,935	14,474	195	51
Not stated	869	67	70	32	247	352	1	100
Spontaneous Terminations of Pregnancy, 28 weeks & Over								
Total	490	34	91	43	95	213	3	11
Sex								
Male	219	11	47	18	44	95	2	2
Female	190	19	35	17	34	81	1	3
Undetermined	81	4	9	8	17	37	-	6
Weight at Delivery in Grams								
Under 500	29	3	3	-	2	21	-	-
500-999	42	4	6	9	4	19	-	-
1000-1499	59	5	13	1	17	22	-	1
1500-1999	57	4	15	3	7	27	-	1
2000-2499	60	5	15	6	5	28	1	-
2500 & over	140	11	29	15	33	48	2	2
Not stated	103	2	10	9	27	48	-	7

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

Table 24.

**Live Births by Selected Characteristics and Infant Deaths
by Health Center District of Residence, New York City, 1999**

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 Hispanic		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	123,739	16.9	9.8	22.5	49.3	43.1	8.5	10.7	44.8	49.5	848	6.9	606	4.9
MANHATTAN	19,504	13.1	7.5	28.6	46.1	52.1	7.9	9.4	41.0	47.4	115	5.9	85	4.4
Central Harlem	1,930	16.7	7.3	14.8	32.8	38.1	12.1	14.5	74.3	70.9	30	15.5	24	12.4
East Harlem	2,031	16.0	18.3	33.1	38.8	45.1	10.6	9.8	61.8	65.8	17	8.4	11	5.4
Kips Bay-Yorkville	2,857	12.1	1.6	4.7	34.3	62.4	7.1	4.5	6.0	4.7	15	5.3	13	4.6
Lower East Side	2,754	11.5	14.4	10.1	54.4	53.0	6.4	6.0	33.8	58.0	8	2.9	5	1.8
Lower West Side	2,912	9.9	4.3	9.4	38.8	65.2	7.3	6.5	20.1	19.8	11	3.8	8	2.7
Riverside	2,422	11.6	5.9	17.7	32.7	55.1	6.7	7.7	28.3	27.0	10	4.1	6	2.5
Washington Heights	4,585	17.2	5.1	76.3	69.0	44.2	7.5	14.8	63.9	77.7	24	5.2	18	3.9
BRONX	21,299	17.7	25.4	30.3	44.5	39.0	9.4	12.5	67.6	62.0	142	6.7	94	4.4
Fordham-Riverdale	4,129	16.8	22.3	38.6	50.9	40.0	7.3	10.5	60.3	60.4	21	5.1	12	2.9
Morrisania	3,282	22.7	24.3	31.5	43.8	37.4	10.2	15.5	75.9	70.4	23	7.0	15	4.6
Mott Haven	2,356	18.1	37.8	32.7	33.3	37.6	11.4	12.6	78.3	76.7	21	8.9	13	5.5
Pelham Bay	2,913	13.4	16.5	11.2	49.5	43.3	10.4	10.1	61.8	45.5	22	7.6	17	5.8
Tremont	4,539	23.8	23.4	41.1	49.3	35.5	9.2	15.5	75.7	72.1	33	7.3	22	4.8
Westchester	4,066	14.8	30.7	21.0	36.3	40.9	9.3	10.6	57.5	48.8	22	5.4	15	3.7
BROOKLYN	39,258	17.1	7.7	16.2	49.9	41.3	8.5	13.1	46.6	56.2	266	6.8	181	4.6
Bay Ridge	3,823	16.0	4.3	13.3	59.3	45.5	6.6	10.7	20.4	41.9	14	3.7	11	2.9
Bedford	3,900	16.7	3.2	5.6	44.0	39.2	11.4	13.1	69.5	61.9	35	9.0	23	5.9
Brownsville	4,814	17.3	8.4	9.7	46.6	38.2	11.0	13.4	68.6	60.8	50	10.4	30	6.2
Bushwick	3,846	21.1	18.1	43.5	48.3	37.2	9.0	10.3	69.7	78.4	28	7.3	21	5.5
Flatbush	8,637	17.2	2.5	9.3	60.1	39.9	8.2	15.4	42.1	48.2	69	8.0	47	5.4
Fort Greene	2,134	14.2	10.2	12.8	31.3	43.5	10.2	11.0	63.6	59.7	23	10.8	17	8.0
Gravesend	3,611	12.7	5.4	12.5	58.0	51.0	8.3	25.1	29.2	46.3	12	3.3	5	1.4
Red Hook-Gowanus	1,394	13.2	14.8	14.3	29.0	55.2	8.0	6.7	37.5	35.7	4	2.9	3	2.2
Sunset Park	4,041	23.7	9.3	26.4	51.5	38.9	5.3	8.8	31.2	61.8	19	4.7	15	3.7
Williamsburg-Greenpoint	3,049	19.5	13.3	23.2	35.5	36.0	6.5	8.4	32.2	64.7	12	3.9	9	3.0
QUEENS	28,200	14.4	5.3	29.7	67.0	43.7	8.2	9.9	43.0	52.9	189	6.7	142	5.0
Astoria-Long Island City	3,605	15.3	4.8	36.1	73.6	48.7	7.5	12.3	41.1	57.2	20	5.5	16	4.4
Corona	5,977	20.5	2.1	60.9	85.7	43.3	6.9	12.1	52.9	66.3	39	6.5	31	5.2
Flushing	4,640	10.2	3.1	17.0	67.8	44.2	6.5	8.6	22.3	37.8	19	4.1	16	3.4
Jamaica East	4,643	13.8	3.0	10.7	55.0	41.0	11.2	9.0	56.4	55.6	47	10.1	33	7.1
Jamaica West	5,928	16.4	9.6	22.3	58.6	41.8	9.6	9.0	47.4	55.4	48	8.1	34	5.7
Maspeth-Forest Hills	3,391	12.6	10.6	24.1	56.8	45.6	7.1	7.7	29.8	37.7	16	4.7	12	3.5
RICHMOND	5,811	15.3	8.2	8.7	24.5	39.6	9.2	7.2	27.1	21.0	44	7.6	37	6.4
NON-RESIDENTS	9,650	-	3.4	6.5	26.6	42.1	8.5	4.1	10.5	6.1	87	9.0	62	6.4
RESIDENCE UNKNOWN	17	-	-	-	-	-	-	-	-	-	5	-	5	-

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

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

Table 25.

**Live Births by Selected Characteristics and Mother's Ancestry
New York City, 1999**

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	123,739	49.3	43.1	8.5	10.7	44.8	49.5	9.0	
Puerto Rican	12,184	0.9	40.6	10.0	11.0	70.3	58.6	19.5	
Dominican	9,228	84.6	40.0	7.4	12.5	63.1	73.6	11.6	
Colombian	1,387	90.1	46.5	6.8	11.5	55.3	56.2	6.8	
Ecuadorian	2,640	90.2	37.2	5.7	10.5	47.3	73.5	7.9	
Mexican	5,575	96.8	42.1	5.9	13.4	71.5	88.7	14.8	
Cuban	296	39.2	45.9	10.8	5.7	37.2	30.1	8.1	
Other Hispanic	8,761	69.2	42.3	7.0	12.2	61.1	72.5	13.6	
African-American	19,714	10.3	40.4	12.8	12.7	76.4	55.1	16.5	
American	6,199	3.4	44.9	8.1	7.1	18.9	18.7	3.8	
Guyanese	2,467	98.1	41.5	11.6	9.7	46.1	51.3	6.1	
Haitian	2,122	91.9	39.9	11.4	13.4	43.3	57.2	4.3	
Jamaican	3,045	95.9	38.7	9.3	11.1	66.5	58.6	8.3	
Trinidadian	1,540	96.8	44.0	11.8	12.7	57.7	61.7	8.2	
Other North, Central and South American	2,904	92.0	43.3	10.0	13.7	54.6	52.3	6.0	
English	788	24.2	56.9	7.5	4.2	9.1	4.4	0.1	
German	1,834	11.3	52.1	7.3	5.4	13.2	7.4	2.2	
Irish	3,522	10.8	49.0	6.2	4.0	12.4	7.0	1.4	
Italian	5,878	8.0	47.5	7.0	4.8	13.0	7.5	1.8	
Polish	1,275	53.7	52.2	5.1	6.4	14.4	28.1	1.6	
Russian	2,027	64.5	52.0	6.8	8.3	15.7	22.8	2.0	
Other European	4,541	53.9	50.9	6.1	8.9	11.7	20.4	1.9	
Asian Indian	1,882	96.4	49.0	9.6	11.6	13.9	38.3	1.9	
Bangladeshi	1,363	99.9	42.1	9.4	14.1	23.0	79.3	4.5	
Chinese	5,216	94.9	51.7	5.4	4.8	15.9	59.3	1.4	
Filipino	839	93.4	50.9	8.2	7.5	19.1	17.9	2.4	
Korean	890	95.4	53.9	4.9	11.6	11.2	31.7	0.3	
Pakistani	1,331	97.8	43.2	8.9	34.2	11.4	71.5	2.8	
Other Asian	3,479	90.6	48.0	7.4	10.1	12.4	41.3	5.2	
Jewish or Hebrew	5,944	92.1	66.3	11.5	23.9	8.6	77.6	4.4	
Other & Not Stated	4,868	66.7	39.5	8.8	14.1	37.0	51.9	4.4	

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

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

Table 26.

Live Births to Teenagers by Selected Characteristics and Infant Deaths by Health Center District of Residence, New York City, 1999

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	11,145	9.0	21.3	30.7	33.5	82.2	10.3	16.6	89.0	77.7	95	8.5	60	5.4
MANHATTAN	1,665	8.5	18.1	46.7	33.2	82.8	10.2	17.0	91.9	88.1	16	9.6	10	6.0
Central Harlem	304	15.8	11.5	17.4	17.8	81.3	11.5	13.5	93.1	84.2	4	13.2	3	9.9
East Harlem	258	12.7	26.4	42.6	31.0	82.2	12.8	14.3	93.0	90.3	3	11.6	1	3.9
Kips Bay-Yorkville	57	2.0	15.8	7.0	19.3	91.2	17.5	24.6	96.5	89.5	0	0.0	0	0.0
Lower East Side	196	7.1	45.9	21.9	19.4	84.7	10.7	14.3	90.3	88.8	3	15.3	2	10.2
Lower West Side	108	3.7	23.1	27.8	27.8	82.4	9.3	16.7	89.8	79.6	3	27.8	2	18.5
Riverside	151	6.2	21.2	45.0	29.8	82.8	11.9	16.6	93.4	82.8	2	13.2	1	6.6
Washington Heights	591	12.9	7.3	79.5	49.9	82.6	7.3	20.3	90.9	91.7	1	1.7	1	1.7
BRONX	3,032	14.2	37.5	27.5	27.5	80.2	10.1	16.1	92.2	74.4	25	8.2	13	4.3
Fordham-Riverdale	479	11.6	32.8	40.9	34.9	79.5	7.7	14.8	87.1	74.5	1	2.1	1	2.1
Morrisania	575	17.5	36.2	24.9	24.7	77.4	12.5	17.7	93.7	76.2	6	10.4	2	3.5
Mott Haven	472	20.0	48.3	24.6	21.4	80.9	10.4	14.2	91.9	85.4	5	10.6	2	4.2
Pelham Bay	331	11.4	23.9	13.3	32.6	84.3	12.1	15.1	94.6	59.5	3	9.1	2	6.0
Tremont	708	15.6	36.9	35.0	29.1	79.9	9.6	16.4	94.5	76.8	7	9.9	5	7.1
Westchester	464	11.4	44.2	19.0	23.3	81.3	8.4	17.0	90.9	67.5	3	6.5	1	2.2
BROOKLYN	3,798	9.7	16.4	23.7	32.4	82.9	10.4	17.7	87.5	80.6	30	7.9	19	5.0
Bay Ridge	183	4.8	14.2	44.3	59.0	86.9	8.2	11.5	69.4	74.3	0	0.0	0	0.0
Bedford	511	13.1	5.5	5.9	25.6	83.2	11.9	19.2	96.1	77.3	4	7.8	2	3.9
Brownsville	660	13.7	15.5	10.2	19.2	79.4	12.3	17.3	94.8	81.8	10	15.2	4	6.1
Bushwick	605	15.7	23.0	40.0	30.7	81.0	9.8	13.9	92.6	85.6	2	3.3	2	3.3
Flatbush	623	7.2	6.4	16.5	44.1	86.0	10.6	23.1	85.6	74.0	6	9.6	4	6.4
Fort Greene	277	13.0	17.3	15.9	18.1	78.3	10.5	13.4	94.2	85.2	2	7.2	2	7.2
Gravesend	250	6.9	15.2	22.8	38.8	86.0	10.0	41.2	74.8	78.4	3	12.0	2	8.0
Red Hook-Gowanus	116	8.3	26.7	23.3	29.3	84.5	12.1	17.2	87.9	81.0	0	0.0	0	0.0
Sunset Park	314	7.8	21.7	47.5	45.2	85.7	9.6	8.3	72.0	80.6	2	6.4	2	6.4
Williamsburg-Greenpoint	259	8.5	39.4	38.2	31.7	83.8	6.2	9.7	81.9	89.2	1	3.9	1	3.9
QUEENS	2,143	7.6	10.4	38.6	46.3	83.0	9.8	15.4	85.6	76.5	18	8.4	12	5.6
Astoria-Long Island City	248	6.9	9.7	50.4	55.6	83.1	9.3	15.7	81.0	74.6	2	8.1	2	8.1
Corona	487	8.1	2.5	76.8	71.9	81.9	7.8	16.6	83.8	76.6	5	10.3	4	8.2
Flushing	170	3.7	5.3	37.1	54.1	83.5	8.2	16.5	76.5	71.2	1	5.9	0	0.0
Jamaica East	478	10.3	7.3	10.7	27.6	82.0	12.6	14.0	95.2	75.3	6	12.6	4	8.4
Jamaica West	589	9.9	16.6	22.8	37.9	84.7	11.0	16.1	85.4	81.7	4	6.8	2	3.4
Maspeth-Forest Hills	169	5.0	26.0	46.2	33.7	82.2	5.9	11.2	80.5	69.8	0	0.0	0	0.0
RICHMOND	341	5.9	19.6	15.5	23.8	80.6	11.1	16.1	89.1	52.2	4	11.7	4	11.7
NON-RESIDENTS	165	-	11.5	14.5	23.6	87.9	14.5	13.9	75.8	35.2	2	-	2	-
RESIDENCE UNKNOWN	1	-	-	-	-	-	-	-	-	-	-	-	-	-

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

**Rate per 1,000 live births to teenagers.

Table 27.

Live Births to Teenagers by Selected Characteristics, New York City, 1986-1999

	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
Total Live Births	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
Percent to Teenagers	10.8	10.3	10.4	10.3	10.1	10.1	10.1	10.4	10.6	10.5	10.3	9.6	9.5	9.0
Births to Teenagers	13,168	13,166	13,714	14,121	14,131	13,999	13,795	13,848	14,156	13,713	13,020	11,793	11,789	11,145
Percent of Births with Specified Characteristics:														
Puerto Rican	29.4	29.1	28.6	27.4	27.5	27.0	25.9	25.6	23.4	22.2	22.3	22.2	22.5	21.3
Other Hispanic	10.8	12.9	12.6	15.3	17.2	19.1	20.8	21.6	23.8	28.2	27.2	27.2	28.7	30.7
Foreign Born Mother	17.8	18.6	19.6	21.2	24.6	26.0	26.9	27.9	28.6	30.8	31.3	32.5	32.1	33.5
First Live Birth	79.8	80.3	79.5	79.8	78.7	77.4	78.2	77.9	77.5	78.2	80.2	81.5	81.8	82.2
Under 2,500 Grams	11.7	11.4	11.7	11.4	10.9	11.5	10.4	11.1	10.7	10.6	9.7	10.8	10.3	10.3
Prenatal Care* in First 6 Months of Pregnancy	56.2	58.0	65.8	61.8	60.2	64.0	65.6	66.1	69.5	71.3	71.7	67.3	68.8	69.8
Not Married	82.7	82.1	80.2	82.0	82.4	83.1	84.2	88.1	89.8	89.3	90.8	87.3	88.6	89.0
On Medicaid	64.2	64.3	62.8	66.8	74.2	78.0	79.2	79.4	80.6	78.6	81.5	80.2	78.5	77.7
Infant Mortality Rate**	16.9	14.4	15.0	13.5	13.1	13.6	11.0	11.9	9.9	12.3	9.4	9.5	7.5	8.5

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

**Rate per 1,000 live births to teenagers.

Table 28.

**Number of Maternal Risk Factors by Health Center District of Residence
New York City, 1999**

Health Center District	Total Live Births	Percent of Total Live Births with Specified Number of Maternal Risk Factors*			
		None	One	Two	Three
		%	%	%	%
NEW YORK CITY	123,739	43.5	38.5	15.6	2.4
MANHATTAN	19,504	49.8	34.3	13.7	2.2
Central Harlem	1,930	18.3	51.3	26.6	3.7
East Harlem	2,031	32.4	45.2	19.3	3.1
Kips Bay-Yorkville	2,857	81.9	15.2	1.8	1.1
Lower East Side	2,754	57.4	31.6	9.7	1.3
Lower West Side	2,912	68.2	24.2	6.5	1.1
Riverside	2,422	62.8	24.7	10.8	1.7
Washington Heights	4,585	27.7	47.3	21.6	3.4
BRONX	21,299	24.3	45.3	25.9	4.5
Fordham-Riverdale	4,129	30.0	46.4	20.5	3.1
Morrisania	3,282	15.5	46.2	31.5	6.8
Mott Haven	2,356	15.8	50.0	29.2	5.0
Pelham Bay	2,913	30.7	44.6	21.5	3.2
Tremont	4,539	15.7	43.8	34.4	6.1
Westchester	4,066	35.3	42.9	18.7	3.0
BROOKLYN	39,258	38.3	43.5	15.9	2.3
Bay Ridge	3,823	60.1	32.3	6.7	0.9
Bedford	3,900	22.9	50.1	23.3	3.7
Brownsville	4,814	23.8	50.7	22.2	3.3
Bushwick	3,846	24.5	49.6	22.8	3.1
Flatbush	8,637	37.8	45.4	14.4	2.4
Fort Greene	2,134	29.6	46.7	21.4	2.3
Gravesend	3,611	45.9	36.7	14.7	2.6
Red Hook-Gowanus	1,394	52.8	34.4	10.6	2.2
Sunset Park	4,041	45.3	43.4	10.3	1.0
Williamsburg-Greenpoint	3,049	54.0	34.3	10.5	1.2
QUEENS	28,200	45.3	38.2	14.4	2.0
Astoria-Long Island City	3,605	44.0	38.4	15.3	2.3
Corona	5,977	34.2	43.7	19.5	2.6
Flushing	4,640	64.4	26.4	8.2	1.0
Jamaica East	4,643	36.1	44.1	17.1	2.7
Jamaica West	5,928	42.5	40.5	14.7	2.3
Maspeth-Forest Hills	3,391	58.0	32.1	9.1	0.8
RICHMOND	5,811	59.4	29.3	9.7	1.7
NON-RESIDENTS	9,650	78.8	17.6	3.2	0.4
RESIDENCE UNKNOWN	17	—	—	—	—

*Maternal risk factors: no prenatal care in first six months of pregnancy, mother not married, teenaged mother. See note on Late or No Prenatal Care in Highlights.

Table 29.

**Live Births, Infant Deaths and Infant Mortality Rates
by Birth Weight and Number of Maternal Risk Factors*
New York City, 1999**

NUMBER OF MATERNAL RISK FACTORS	TOTAL ⁽¹⁾			LESS THAN 2,500 GRAMS			2,500 GRAMS AND OVER		
	Infant Deaths			Infant Deaths			Infant Deaths		
	Births	Number	Rate ⁽³⁾	Births	Number	Rate ⁽³⁾	Births	Number	Rate ⁽³⁾
None	53,780	190	3.5	3,565	147	41.2	50,210	43	0.9
One	47,582	356	7.5	4,352	280	64.3	43,229	76	1.8
Two	19,361	213	11.0	2,270	154	67.8	17,089	59	3.5
Three	3,016	37	12.3	376	29	77.1	2,640	8	3.0
Unmatched ⁽²⁾	—	52	—	—	—	—	—	—	—
Total	123,739	848	6.9	10,563	610	57.7	113,168	186	1.6

(1) Includes those with unknown birth weight.

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

(3) Rate per 1,000 live births.

*Maternal risk factors: no prenatal care in first six months of pregnancy, mother not married, teenaged mother. See note on Late or No Prenatal Care in Highlights.

Table 30a.

Live Births and Infant Deaths by Birth Weight, Race and Age, New York City, 1999

Birth Weight in Grams	Live Births				Infant Deaths														
					Total					Age Under 28 Days					Age Under 7 Days				
	Total	White	Black	Other	Total	White	Black	Other	Not Stated	Total	White	Black	Other	Not Stated	Total	White	Black	Other	Not Stated
Less than 500	150	71	66	13	140	49	47	4	40	138	49	46	3	40	129	43	45	2	39
500-999	869	342	460	67	299	107	123	15	54	245	91	91	12	51	203	74	74	10	45
1000-1499	1,102	509	507	86	56	28	20	-	8	38	22	9	-	7	32	20	7	-	5
1500-1999	2,068	992	859	217	55	25	20	1	9	42	19	15	1	7	30	12	11	1	6
2000-2499	6,374	3,238	2,390	746	60	35	18	5	2	37	23	9	4	1	22	14	6	2	-
Less than 2500	10,563	5,152	4,282	1,129	610	244	228	25	113	500	204	170	20	106	416	163	143	15	95
2500-2999	23,068	11,963	7,900	3,205	67	42	19	2	4	31	22	4	1	4	16	12	2	-	2
3000-3499	47,587	27,177	14,346	6,064	75	32	32	7	4	33	16	11	3	3	19	9	8	2	-
3500-3999	32,317	20,030	8,884	3,403	35	22	9	3	1	12	8	1	2	1	7	4	1	1	1
4000-4499	8,690	5,668	2,366	656	6	2	3	1	-	5	1	3	1	-	3	-	3	-	-
4500-4999	1,371	868	406	97	2	1	-	1	-	1	1	-	-	-	-	-	-	-	-
5000 & over	135	79	51	5	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-
2500 & over	113,168	65,785	33,953	13,430	186	100	63	14	9	82	48	19	7	8	45	25	14	3	3
Not stated	8	-	1	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unmatched*	-	-	-	-	52	27	19	2	4	24	14	6	-	4	13	6	3	-	4
Total	123,739	70,937	38,236	14,566	848	371	310	41	126	606	266	195	27	118	474	194	160	18	102

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

Table 30b.

Infant Mortality Rates by Birth Weight, Race and Age, New York City, 1999

Birth Weight in Grams	Total				Age Under 28 Days				Age Under 7 Days			
	Total	White	Black	Other	Total	White	Black	Other	Total	White	Black	Other
Less than 500	933.3 *	**	**	**	920.0	**	**	**	860.0	**	**	**
500-999	344.1	312.9	267.4	**	281.9	266.1	197.8	**	233.6	216.4	160.9	**
1000-1499	50.8	55.0	39.4	**	34.5	43.2	17.8	**	29.0	39.3	13.8	**
1500-1999	26.6	25.2	23.3	4.6	20.3	19.2	17.5	4.6	14.5	12.1	12.8	4.6
2000-2499	9.4	10.8	7.5	6.7	5.8	7.1	3.8	5.4	3.5	4.3	2.5	2.7
Less than 2500	57.7	47.4	53.2	22.1	47.3	39.6	39.7	17.7	39.4	31.6	33.4	13.3
2500-2999	2.9	3.5	2.4	0.6	1.3	1.8	0.5	0.3	0.7	1.0	0.3	-
3000-3499	1.6	1.2	2.2	1.2	0.7	0.6	0.8	0.5	0.4	0.3	0.6	0.3
3500-3999	1.1	1.1	1.0	0.9	0.4	0.4	0.1	0.6	0.2	0.2	0.1	0.3
4000-4499	0.7	0.4	1.3	1.5	0.6	0.2	1.3	-	0.3	-	1.3	-
4500-4999	1.5	1.2	-	**	0.7	1.2	-	**	-	-	-	**
5000 & over	7.4	**	**	**	-	**	**	**	-	**	**	**
2500 & over	1.6	1.5	1.9	1.0	0.7	0.7	0.6	0.5	0.4	0.4	0.4	0.2
Total	6.9	5.2	8.1	2.8	4.9	3.7	5.1	1.9	3.8	2.7	4.2	1.2

* Rate per 1,000 live births. Births and deaths included here were reported in 1999 and do not represent a true birth cohort.

**Rate not computed where base is less than 100.

Table 31.

Infant Deaths by Race and Cause* by Sex and Age, New York City, 1999

	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		848	261	62	147	213	70	95
Race of Infant								
White		371	104	32	65	90	40	40
Black		310	92	16	67	68	19	48
Other and not stated		167	65	14	15	55	11	7
Cause of Death (ICD-10 Codes)								
# Human Immunodeficiency Virus disease (B20-B24)	1.05	1	-	-	1	-	-	-
# Influenza and Pneumonia (J10-J18)	0.76	7	-	-	3	-	-	4
# Newborn Affected by Maternal Complications of Pregnancy (P01)	1.03	8	2	-	1	5	-	-
# Newborn Affected by Complications of Placenta, Cord and Membranes (P02)	1.05	20	9	1	-	10	-	-
# Short Gestation and Low Birth Weight (P07)	1.11	93	51	1	2	36	3	-
# Intrauterine Hypoxia and Birth Asphyxia (P20-P21)	1.45	18	6	3	-	5	2	2
# Respiratory Distress of Newborn (P22)	1.03	81	37	3	3	30	7	1
##Other Respiratory Conditions Originating in the Perinatal Period (P23-P28)	0.85	108	34	4	16	35	7	12
##Cardiovascular Disorders Originating in the Perinatal Period (P29)		128	65	5	7	39	6	6
##Infections Specific to the Perinatal Period (P35-P39)	1.02	33	4	9	6	8	5	1
# Neonatal Hemorrhage (P50-P52, P54)	1.44	11	2	1	3	1	4	-
# Necrotizing Enterocolitis of Newborn (P77)	1.23	24	2	3	11	2	5	1
Remainder of Conditions Originating in the Perinatal Period (Rest of P00-P99)		33	5	3	3	11	3	8
# Congenital Malformations, Deformations (Q00-Q99)	0.91	162	36	20	33	25	20	28
Congenital Malformations of Heart (Q20-Q24)	1.00	64	10	12	14	4	9	15
# Sudden Infant Death Syndrome (R95)	1.04	40	3	1	22	-	-	14
# All Other Diseases (Rest of A00-R99)		50	1	7	20	3	6	13
##External Causes (V01-Y89)	0.99	31	4	1	16	3	2	5

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

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

Other respiratory conditions, infections specific to the perinatal period and external causes each contain several causes eligible to be ranked as a leading cause nationally but infrequent in New York City; these created groups permit recognition of important causes of infant deaths. See the Special Note.

Table 32.

**Live Births, Infant and Maternal Mortality by Mother's Ethnic Group
New York City, 1983-1999**

Mother's Ethnic Group (1)	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
Live Births, Total	112,353	113,332	118,542	122,108	127,386	132,226	137,673	139,630	138,148	136,002	133,583	133,662	131,009	126,901	123,313	124,252	123,739
Puerto Rican	18,014	17,887	17,961	18,138	18,625	18,822	19,248	19,327	18,851	17,856	16,568	15,182	13,895	12,925	12,947	13,056	12,184
Other Hispanic	14,463	15,228	15,758	16,689	19,372	20,145	23,013	24,912	25,564	25,556	26,571	28,298	29,717	28,114	26,108	26,793	27,887
Asian	8,947	9,127	9,553	9,894	10,926	11,597	12,051	12,394	12,602	12,688	10,742	11,268	11,647	12,782	13,226	13,132	13,768
Other White	35,788	35,405	36,825	37,465	37,558	38,992	39,362	38,906	37,464	37,102	38,403	38,203	36,711	37,215	37,006	36,957	36,369
Other Black	34,749	35,212	37,616	39,064	40,020	41,356	43,069	42,844	41,486	40,662	39,768	39,195	37,217	34,798	33,500	33,675	32,960
Other & Unknown	392	473	829	858	885	1,314	930	1,247	2,181	2,138	1,531	1,516	1,822	1,067	526	639	571
Infant Deaths (Under 1 Year) (2) Total	1,603	1,540	1,591	1,566	1,673	1,770	1,827	1,620	1,575	1,390	1,366	1,207	1,155	992	881	843	848
Puerto Rican	244	263	226	240	240	241	257	238	211	194	178	120	146	112	96	85	95
Other Hispanic	141	133	139	156	182	186	219	195	187	170	196	174	197	164	141	129	156
Asian	75	76	76	63	65	79	93	67	76	73	61	57	57	56	51	49	55
Other White	388	363	368	323	350	353	321	300	278	227	244	223	204	197	189	201	167
Other Black	742	680	758	751	802	891	911	797	777	676	646	598	522	448	385	363	350
Other & Unknown	13	25	24	33	34	20	26	23	46	50	41	35	29	15	19	16	25
Infant Mortality Rate (3) Total	14.3	13.6	13.4	12.8	13.1	13.4	13.3	11.6	11.4	10.2	10.2	9.0	8.8	7.8	7.1	6.8	6.9
Puerto Rican	13.5	14.7	12.6	13.2	12.9	12.8	13.4	12.3	11.2	10.9	10.7	7.9	10.5	8.7	7.4	6.5	7.8
Other Hispanic	9.7	8.7	8.8	9.3	9.4	9.2	9.5	7.8	7.3	6.7	7.4	6.1	6.6	5.8	5.4	4.8	5.6
Asian	8.4	8.3	8.0	6.4	5.9	6.8	7.7	5.4	6.0	5.8	5.7	5.1	4.9	4.4	3.9	3.7	4.0
Other White	10.8	10.3	10.0	8.6	9.3	9.1	8.2	7.7	7.4	6.1	6.4	5.8	5.6	5.3	5.1	5.4	4.6
Other Black	21.4	19.3	20.2	19.2	20.0	21.5	21.2	18.6	18.7	16.6	16.2	15.3	14.0	12.9	11.5	10.8	10.6
Neonatal Deaths (Under 28 Days) Total	1,070	1,014	1,082	1,078	1,139	1,232	1,253	1,091	1,089	941	917	804	811	656	605	593	606
Puerto Rican	166	165	141	157	157	159	172	155	138	138	108	67	113	72	60	60	74
Other Hispanic	102	97	100	117	134	133	153	136	136	120	136	122	143	113	107	92	113
Asian	47	53	45	47	42	59	60	44	45	50	38	42	44	35	37	34	39
Other White	274	267	268	254	251	264	238	222	201	157	177	158	146	139	130	139	120
Other Black	471	414	513	481	535	602	610	518	533	436	425	389	342	283	257	252	236
Neonatal Mortality Rate (3) Total	9.5	8.9	9.1	8.8	8.9	9.3	9.1	7.8	7.9	6.9	6.9	6.0	6.2	5.2	4.9	4.8	4.9
Puerto Rican	9.2	9.2	7.9	8.7	8.4	8.4	8.9	8.0	7.3	7.7	6.5	4.4	8.1	5.6	4.6	4.6	6.1
Other Hispanic	7.1	6.4	6.3	7.0	6.9	6.6	6.6	5.5	5.3	4.7	5.1	4.3	4.8	4.0	4.1	3.4	4.1
Asian	5.3	5.8	4.7	4.8	3.8	5.1	5.0	3.6	3.6	3.9	3.5	3.7	3.8	2.7	2.8	2.6	2.8
Other White	7.7	7.5	7.3	6.8	6.7	6.8	6.0	5.7	5.4	4.2	4.6	4.1	4.0	3.7	3.5	3.8	3.3
Other Black	13.6	11.8	13.6	12.3	13.4	14.6	14.2	12.1	12.8	10.7	10.7	9.9	9.2	8.1	7.7	7.5	7.2
Maternal Deaths Total *	44	21	30	29	28	26	29	35	24	30	20	29	26	22	17	16	26
Puerto Rican	3	1	1	4	2	2	4	1	4	2	2	4	3	1	1	1	1
Other Hispanic	8	3	6	-	4	6	2	4	2	3	2	5	7	4	2	2	3
Asian	1	-	1	2	6	1	1	1	-	1	-	2	1	1	1	1	1
Other White	7	4	3	6	3	2	2	2	2	6	-	6	-	4	2	2	6
Other Black	24	13	15	14	8	15	20	25	15	16	14	12	14	11	11	10	14
Maternal Mortality Rate (4) Total	39.2	18.5	25.3	23.7	22.0	19.7	21.1	25.1	17.4	22.1	15.0	21.7	19.8	17.3	13.8	12.9	21.0
Puerto Rican	16.7	5.6	5.6	22.1	10.7	10.6	20.8	5.2	21.2	11.2	12.1	26.3	21.6	7.7	7.7	7.7	8.2
Other Hispanic	55.3	19.7	38.1	-	20.6	29.8	8.7	16.1	7.8	11.7	7.5	17.7	23.6	14.2	7.7	7.5	10.8
Asian	11.2	-	10.5	20.2	54.9	8.6	8.3	8.1	-	7.9	-	17.7	8.6	7.8	7.6	7.6	7.3
Other White	19.6	11.3	8.1	16.0	8.0	5.1	5.1	5.1	5.3	16.2	-	15.7	-	10.7	5.4	5.4	16.5
Other Black	69.1	36.9	39.9	35.8	20.0	36.3	46.4	58.4	36.2	39.3	35.2	30.6	37.6	31.6	32.8	29.7	42.5

(1) Puerto Rican and other Hispanic ethnicities are based on ancestry, regardless of race. Prior to 1993, Asian ethnicity is based on ancestry; beginning in 1993, Asian ethnicity is based on race.

Those of other ancestries are classified as Other White, Other Black, Other and Unknown based on race. See Technical Notes for a discussion of race, ancestry and ethnicity.

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

(3) Rate per 1,000 live births.

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

* Beginning January 1, 1999 all causes were coded using ICD-10. New categories of maternal deaths in ICD-10 (Complications of pregnancy, childbirth and the puerperium, O00-O99) permitted coding deaths 42 days or more after delivery. Two such deaths, one occurring from 42 days to under one year and one occurring more than one year after delivery, are included in 1999 figures. See the Special Note on Cause-of-Death Coding.

Table 33.

Cases of Reportable Diseases, New York City, 1940-1999

Year	Tuberculosis	Measles	Rubella	Poliomyelitis	Pertussis	Meningococcal Meningitis	Scarlet Fever	Encephalitis	Hepatitis A	Hepatitis B	Syphilis		Gonorrhea	
											Total	Primary & Secondary		
1940	9,005	10,496	988	67	5,775	48	13,569	28			30,178	3,113	14,639	
1941-1945	8,608	24,890	7,360	658	5,706	705	8,111	42			25,773	4,124	13,955	
1946-1950	7,862	17,348	2,442	991	2,574	145	3,579	55			24,144	2,686	21,522	
1951-1955	7,002	20,025	3,956	741	1,726	135	2,253	256			22,046	685	12,468	
1956	6,137	21,616	3,100	149	1,113	75	2,357	309			17,052	605	10,482	
1957	6,117	10,226	1,998	57	1,326	75	1,657	204			15,485	635	11,479	
1958	5,482	28,272	5,911	100	655	36	1,944	165			13,082	911	13,341	
1959	4,924	5,215	4,694	170	1,322	92	2,043	212			13,131	1,454	14,370	
1960	4,699	25,523	3,760	92	416	89	2,622	97			16,872	2,606	16,677	
1961	4,360	4,796	1,543	2	249	69	2,820	216			20,017	3,374	18,285	
1962	4,437	29,631	1,560	7	307	59	1,259	175			20,058	3,329	18,901	
1963	4,891	7,406	3,294	1	212	50	1,287	147			19,312	3,481	22,912	
1964	4,207	15,435	21,292	2	304	42	1,052	158			18,875	3,215	25,896	
1965	4,242	4,127	1,031	0	194	68	792	162			16,999	2,897	29,032	
1966	3,663	8,381	1,036	0	206	56	799	146			13,724	2,364	29,679	
1967	3,542	529	1,030	1	179	65	731	61			13,918	1,987	27,373	
1968	3,224	2,445	3,074	1	122	90	732	61			13,204	2,172	32,637	
1969	2,951	5,033	1,185	0	149	88	891	57			11,439	2,630	36,729	
1970	2,590	1,154	685	0	163	90	513	35			10,362	3,780	36,783	
1971	2,572	3,819	626	0	55	60	614	19			11,642	3,854	38,472	
1972	2,275	447	271	1	79	44	445	11			10,390	4,106	48,414	
1973	2,101	965	502	0	77	37	708	26			7,334	3,256	45,467	
1974	2,022	651	173	0	75	26	402	17			7,593	3,184	42,071	
1975	2,151	170	193	0	40	32	463	14			7,236	2,864	39,981	
1976	2,151	497	163	1	43	51	609	20			6,832	2,494	40,589	
1977	1,605	804	336	0	47	64	583	20		566	4,749	1,881	39,302	
1978	1,307	405	152	0	54	88	271	30		499	493	5,567	2,060	40,208
1979	1,530	859	290	1	44	91	312	17		386	488	6,680	2,552	40,034
1980	1,514	1,210	105	0	30	110	319	15		364	562	5,906	2,387	43,699
1981	1,582	108	55	0	25	91	464	20		606	879	6,878	2,568	45,859
1982	1,594	49	36	2	53	104	583	21		689	1,117	7,296	2,602	46,960
1983	1,651	72	87	1	61	89	454	14		507	1,327	6,822	2,473	46,117
1984	1,629	113	111	0	20	75	427	9		560	1,528	6,796	2,285	48,032
1985	1,843	181	184	1	26	70	409	18		N.A.	N.A.	6,947	2,157	58,532
1986	2,223	944	2	0	10	81	N.A.	21		N.A.	N.A.	6,465	2,111	69,998
1987	2,197	449	3	0	15	57	206	8		172	1,213	10,472	4,452	84,022
1988	2,317	57	7	0	11	66	81	6		368	1,307	11,966	5,042	52,404
1989	2,545	135	16	0	19	50	108	9		502	1,418	13,748	4,362	40,533
1990	3,520	1,108	4	0	21	79	175	12		791	674	16,195	4,265	35,236
1991	3,673	1,909	2	0	22	30	325	5		1,283	440	14,895	3,133	28,945
1992	3,811	68	0	0	24	28	258	9		883	439	13,439	2,246	21,709
1993	3,235	19	22	0	116	40	267	5		1,028	472	10,476	1,129	18,477
1994	2,995	15	1	0	223	40	335	11		942	544	7,640	626	19,246
1995	2,445	5	6	0	36	54	211	8		1,008	494	7,577	362	16,361
1996	2,053	12	5	0	62	56	164	4		619	495	5,670	138	12,998
1997	1,730	13	25	0	42 *	57	218	14		920	460	4,889	97	14,556
1998	1,988	0	17	0	12 *	35	527	14		575	415	4,503	82	12,100
1999	1,460	3	6	0	7	57	310	143		410	302	3,682	130	12,207

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

For discussion of specific diseases and factors which affect reporting, see City Health Information, Vol. 15 No. 4, December 1999, pp. 8-13.

Chicken Pox is non-reportable as of December 11, 1994. Figures for the disease appear in the annual summaries for 1998 and earlier.

* Corrected from previous year summaries.

Table 34. Incidence of AIDS By Sex, Major Risk Group, and Year of Diagnosis, New York City, 1980-1999

Sex/Risk Group	1980-1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
Male														
Intravenous Drug Use (IDU)	2,671	1,482	2,130	2,649	2,739	3,173	3,926	4,623	4,100	3,462	2,547	1,797	1,211	1,004
Sex with Men	5,760	2,410	2,614	2,248	2,653	2,871	3,232	3,608	3,400	2,802	1,941	1,370	1,003	901
IDU and Sex with Men	561	233	238	255	239	312	313	279	195	162	113	94	58	66
Transfusion	74	34	49	28	33	29	29	33	51	50	40	28	28	9
Heterosexual Transmission	15	8	21	29	35	68	118	231	338	407	386	341	287	226
Other	448	205	323	361	380	520	642	764	1,069	1,525	1,568	1,290	934	960
Total	9,529	4,372	5,375	5,570	6,079	6,973	8,260	9,538	9,153	8,408	6,595	4,920	3,521	3,166
Female														
Intravenous Drug Use	715	464	652	756	960	1,251	1,493	1,756	1,560	1,374	1,032	777	527	409
Heterosexual Transmission	238	220	254	321	429	531	704	1,040	1,054	1,026	845	716	518	421
Transfusion	48	25	23	17	20	12	24	21	22	33	37	30	22	12
Other	217	123	139	179	212	240	326	350	446	623	668	665	509	523
Total	1,218	832	1,068	1,273	1,621	2,034	2,547	3,167	3,082	3,056	2,582	2,188	1,576	1,365

Note: To be classified as having AIDS, an HIV-infected person must meet CDC case-surveillance criteria. These include the presence of opportunistic illness and CD4+ lymphocyte count below 200. For further information telephone the Office of AIDS Surveillance, (212) 442-3388.

Figures include reports through September 2000; data for recent years are incomplete due to reporting lag.

Special Section: Selected Vital Statistics by Community District of Residence, 1999

Community districts were established by City Charter mandate and implemented in 1969 for purposes of planning, local participation in city government and delivery of city services. The availability of Vital Statistics data by community district may be useful for comparison with other New York City data.

Figure A. Community Districts and Boroughs, New York City



Table A. Deaths and Death Rates per 100,000 Population from Selected Causes* by Community District of Residence, New York City, 1999

Community District	Population April 1, 1990	All Causes (Rate per 1,000)		Heart Diseases		Malignant Neoplasms		HIV Diseases		Influenza and Pneumonia		Cerebro-Vascular Diseases		Chronic Lower Respiratory Diseases		Chronic Liver Disease & Cirrhosis		Diabetes Mellitus		Mental Disorders due to Substance & Accidental Poisoning		Accidents Except Drug Poisoning		Intentional Self-harm (Suicide)		Assault (Homicide)		Events of Undetermined Intent	
		No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Manhattan	1,487,536	11,603	7.8	4,145	278.6	2,805	188.6	504	33.9	568	38.2	429	28.8	418	28.1	124	8.3	264	17.7	208	14.0	177	11.9	119	8.0	103	6.9	18	1.2
01	25,366	125	4.9	40	157.7	43	169.5	2	7.9	3	11.8	5	19.7	2	7.9	1	3.9	--	--	3	11.8	--	--	--	--	--	--	1	3.9
02	94,105	565	6.0	209	222.1	145	154.1	14	14.9	33	35.1	29	30.8	31	32.9	6	6.4	6	6.4	13	13.8	8	8.5	6	6.4	1	1.1	1	1.1
03	161,617	1,437	8.9	502	310.6	345	213.5	80	49.5	66	40.8	45	27.8	58	35.9	21	13.0	35	21.7	22	13.6	24	14.8	20	12.4	3	1.9	2	1.2
04	84,431	658	7.8	234	277.1	134	158.7	54	64.0	39	46.2	23	27.2	32	37.9	6	7.1	15	17.8	15	17.8	14	16.6	11	13.0	10	11.8	1	1.2
05	43,507	295	6.8	102	234.4	75	172.4	9	20.7	21	48.3	9	20.7	11	25.3	4	9.2	2	4.6	6	13.8	5	11.5	3	6.9	2	4.6	1	2.3
06	133,748	924	6.9	339	253.5	286	213.8	27	20.2	37	27.7	20	15.0	32	23.9	8	6.0	14	10.5	9	6.7	10	7.5	15	11.2	2	1.5	3	2.2
07	210,993	1,615	7.7	611	289.6	402	190.5	46	21.8	98	46.4	74	35.1	58	27.5	11	5.2	34	16.1	28	13.3	17	8.1	23	10.9	5	2.4	1	0.5
08	210,880	1,599	7.6	662	313.9	422	200.1	27	12.8	98	46.5	48	22.8	54	25.6	10	4.7	25	11.9	14	6.6	18	8.5	14	6.6	1	0.5	2	0.9
09	106,978	781	7.3	273	255.2	154	144.0	42	39.3	27	25.2	42	39.3	25	23.4	8	7.5	26	24.3	20	18.7	18	16.8	6	5.6	15	14.0	--	--
10	99,519	1,177	11.8	374	375.8	273	274.3	79	79.4	34	34.2	33	33.2	34	34.2	9	9.0	38	38.2	29	29.1	21	21.1	5	5.0	21	21.1	3	3.0
11	110,508	1,209	10.9	365	330.3	256	231.7	84	76.0	61	55.2	33	29.9	37	33.5	24	21.7	47	42.5	28	25.3	19	17.2	10	9.0	17	15.4	2	1.8
12	198,192	1,218	6.1	434	219.0	270	136.2	40	20.2	51	25.7	68	34.3	44	22.2	16	8.1	22	11.1	21	10.6	23	11.6	6	3.0	26	13.1	1	0.5
Bronx	1,203,789	9,948	8.3	3,834	318.5	2,038	169.3	552	45.9	406	33.7	357	29.7	264	21.9	154	12.8	405	33.6	162	13.5	169	14.0	68	5.6	133	11.0	13	1.1
01	77,214	580	7.5	157	203.3	120	155.4	56	72.5	17	22.0	20	25.9	18	23.3	16	20.7	26	33.7	16	20.7	16	20.7	3	3.9	13	16.8	--	--
02	39,443	304	7.7	79	200.3	63	159.7	26	65.9	12	30.4	10	25.4	3	7.6	11	27.9	15	38.0	10	25.4	4	10.1	1	2.5	8	20.3	1	2.5
03	58,345	533	9.1	130	222.8	130	222.8	71	121.7	14	24.0	13	22.3	6	10.3	12	20.6	27	46.3	15	25.7	6	10.3	1	1.7	8	13.7	--	--
04	118,779	887	7.5	259	218.1	174	146.5	83	69.9	39	32.8	31	26.1	27	22.7	26	21.9	40	33.7	25	21.0	9	7.6	7	5.9	26	21.9	3	2.5
05	118,435	583	4.9	143	120.7	121	102.2	81	68.4	22	18.6	20	16.9	19	16.0	8	6.8	34	28.7	19	16.0	11	9.3	4	3.4	8	6.8	1	0.8
06	68,061	445	6.5	127	186.6	86	126.4	49	72.0	16	23.5	15	22.0	13	19.1	17	25.0	26	38.2	11	16.2	10	14.7	2	2.9	3	4.4	1	1.5
07	128,588	873	6.8	355	276.1	163	126.8	45	35.0	39	30.3	34	26.4	32	24.9	11	8.6	38	29.6	16	12.4	14	10.9	9	7.0	18	14.0	1	0.8
08	97,030	1,087	11.2	503	518.4	200	206.1	12	12.4	78	80.4	43	44.3	38	39.2	6	6.2	42	43.3	7	7.2	13	13.4	9	9.3	2	2.1	1	1.0
09	165,743	1,131	6.8	432	260.6	225	135.8	63	38.0	42	25.3	54	32.6	25	15.1	11	6.6	36	21.7	15	9.1	22	13.3	12	7.2	20	12.1	2	1.2
10	97,863	1,277	13.0	630	643.8	282	288.2	14	14.3	47	48.0	40	40.9	31	31.7	12	12.3	34	34.7	12	12.3	21	21.5	12	12.3	5	5.1	--	--
11	98,299	1,215	12.4	587	597.2	227	230.9	28	28.5	41	41.7	42	42.7	29	29.5	8	8.1	45	45.8	12	12.2	19	19.3	4	4.1	9	9.2	1	1.0
12	129,620	1,032	8.0	432	333.3	246	189.8	24	18.5	39	30.1	35	27.0	23	17.7	16	12.3	42	32.4	4	3.1	24	18.5	4	3.1	13	10.0	2	1.5
Brooklyn	2,300,664	18,364	8.0	7,840	340.8	3,889	169.0	586	25.5	709	30.8	607	26.4	511	22.2	209	9.1	574	24.9	240	10.4	332	14.4	108	4.7	273	11.9	45	2.0
01	155,972	1,010	6.5	389	249.4	194	124.4	37	23.7	45	28.9	28	18.0	42	26.9	18	11.5	35	22.4	22	14.1	27	17.3	11	7.1	12	7.7	2	1.3
02	94,534	817	8.6	307	324.8	162	171.4	40	42.3	43	45.5	35	37.0	29	30.7	9	9.5	39	41.3	8	8.5	13	13.8	5	5.3	12	12.7	2	2.1
03	138,696	1,231	8.9	389	280.5	256	184.6	88	63.4	50	36.1	47	33.9	30	21.6	19	13.7	63	45.4	31	22.4	16	11.5	7	5.0	46	33.2	3	2.2
04	102,572	576	5.6	175	170.6	126	122.8	38	37.0	9	8.8	31	30.2	18	17.5	13	12.7	35	34.1	15	14.6	17	16.6	10	9.7	10	9.7	2	1.9
05	161,350	1,049	6.5	345	213.8	237	146.9	60	37.2	31	19.2	26	16.1	22	13.6	24	14.9	50	31.0	18	11.2	24	14.9	12	7.4	38	23.6	2	1.2
06	102,228	686	6.7	264	258.2	156	152.6	30	29.3	32	31.3	18	17.6	28	27.4	10	9.8	27	26.4	9	8.8	7	6.8	4	3.9	3	2.9	--	--
07	102,553	699	6.8	276	269.1	148	144.3	15	14.6	30	29.3	31	30.2	32	31.2	9	8.8	25	24.4	10	9.8	14	13.7	4	3.9	8	7.8	3	2.9
08	96,896	751	7.8	254	262.1	161	166.2	53	54.7	32	33.0	13	13.4	20	20.6	10	10.3	26	26.8	17	17.5	11	11.4	4	4.1	19	19.6	4	4.1
09	110,715	631	5.7	233	210.5	154	139.1	28	25.3	19	17.2	20	18.1	16	14.5	9	8.1	17	15.4	8	7.2	11	9.9	4	3.6	10	9.0	--	--
10	110,612	1,142	10.3	579	523.5	243	219.7	8	7.2	38	34.4	37	33.5	44	39.8	9	8.1	19	17.2	11	9.9	16	14.5	5	4.5	11	9.9	4	3.6
11	149,994	1,534	10.2	812	541.4	336	224.0	2	1.3	67	44.7	36	24.0	48	32.0	8	5.3	33	22.0	13	8.7	18	12.0	4	2.7	6	4.0	--	--
12	160,018	1,249	7.8	659	411.8	240	150.0	6	3.7	44	27.5	40	25.0	24	15.0	5	3.1	26	16.2	11	6.9	21	13.1	7	4.4	8	5.0	3	1.9
13	102,596	1,368	13.3	722	703.7	274	267.1	14	13.6	68	66.3	39	38.0	25	24.4	4	3.9	30	29.2	15	14.6	24	23.4	5	4.9	6	5.8	2	1.9
14	159,825	1,156	7.2	526	329.1	231	144.5	37	23.2	42	26.3	40	25.0	27	16.9	8	5.0	27	16.9	4	2.5	27	16.9	4	2.5	18	11.3	5	3.1
15	143,477	1,620	11.3	838	584.1	352	245.3	8	5.6	59	41.1	52	36.2	36	25.1	9	6.3	25	17.4	12	8.4	24	16.7	11	7.7	8	5.6	6	4.

Table A. Deaths and Death Rates per 100,000 Population from Selected Causes* by Community District of Residence, New York City, 1999 (Continued)

Community District	Population April 1, 1990	All Causes (Rate per 1,000)		Heart Diseases		Malignant Neoplasms		HIV Diseases		Influenza and Pneumonia		Cerebro-Vascular Diseases		Chronic Lower Respiratory Diseases		Chronic Liver Disease & Cirrhosis		Diabetes Mellitus		Mental Disorders due to Substance & Accidental Poisoning		Accidents Except Drug Poisoning		Intentional Self-harm (Suicide)		Assault (Homicide)		Events of Undetermined Intent	
		No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Queens	1,951,598	14,926	7.6	7,202	369.0	3,261	167.1	227	11.6	517	26.5	511	26.2	387	19.8	132	6.8	371	19.0	130	6.7	284	14.6	125	6.4	115	5.9	31	1.6
01	188,549	1,196	6.3	559	296.5	290	153.8	27	14.3	28	14.9	35	18.6	45	23.9	15	8.0	29	15.4	18	9.5	25	13.3	13	6.9	7	3.7	2	1.1
02	94,845	617	6.5	264	278.3	155	163.4	7	7.4	31	32.7	23	24.3	14	14.8	9	9.5	13	13.7	6	6.3	14	14.8	9	9.5	3	3.2	1	1.1
03	128,924	817	6.3	382	296.3	181	140.4	10	7.8	30	23.3	32	24.8	24	18.6	7	5.4	7	5.4	8	6.2	18	14.0	9	7.0	12	9.3	1	0.8
04	137,023	772	5.6	322	235.0	177	129.2	14	10.2	34	24.8	30	21.9	18	13.1	3	2.2	23	16.8	6	4.4	23	16.8	6	4.4	3	2.2	3	2.2
05	149,126	1,376	9.2	691	463.4	306	205.2	15	10.1	40	26.8	53	35.5	39	26.2	21	14.1	39	26.2	6	4.0	24	16.1	18	12.1	2	1.3	4	2.7
06	106,996	1,086	10.1	564	527.1	245	229.0	7	6.5	42	39.3	41	38.3	25	23.4	3	2.8	22	20.6	4	3.7	17	15.9	7	6.5	2	1.9	1	0.9
07	221,763	1,853	8.4	982	442.8	411	185.3	9	4.1	66	29.8	63	28.4	40	18.0	11	5.0	41	18.5	10	4.5	27	12.2	17	7.7	7	3.2	2	0.9
08	130,396	1,034	7.9	502	385.0	238	182.5	13	10.0	44	33.7	27	20.7	30	23.0	14	10.7	21	16.1	11	8.4	27	20.7	3	2.3	6	4.6	1	0.8
09	112,624	746	6.6	349	309.9	156	138.5	15	13.3	19	16.9	23	20.4	22	19.5	8	7.1	15	13.3	7	6.2	18	16.0	4	3.6	11	9.8	2	1.8
10	107,768	739	6.9	327	303.4	184	170.7	9	8.4	23	21.3	27	25.1	21	19.5	5	4.6	19	17.6	8	7.4	16	14.8	5	4.6	7	6.5	2	1.9
11	108,056	756	7.0	392	362.8	167	154.5	1	0.9	22	20.4	29	26.8	19	17.6	4	3.7	8	7.4	6	5.6	12	11.1	6	5.6	2	1.9	5	4.6
12	201,270	1,626	8.1	696	345.8	300	149.1	56	27.8	61	30.3	58	28.8	34	16.9	17	8.4	70	34.8	23	11.4	26	12.9	13	6.5	28	13.9	4	2.0
13	177,535	1,016	5.7	431	242.8	236	132.9	27	15.2	31	17.5	44	24.8	20	11.3	8	4.5	34	19.2	4	2.3	20	11.3	7	3.9	14	7.9	2	1.1
14	100,596	1,288	12.8	739	734.6	213	211.7	17	16.9	46	45.7	26	25.8	36	35.8	7	7.0	30	29.8	13	12.9	17	16.9	8	8.0	11	10.9	1	1.0
Staten Island	378,977	3,410	9.0	1,532	404.2	836	220.6	52	13.7	184	48.6	74	19.5	130	34.3	20	5.3	111	29.3	20	5.3	42	11.1	18	4.7	20	5.3	3	0.8
01	137,806	1,334	9.7	540	391.9	306	222.1	40	29.0	91	66.0	30	21.8	58	42.1	15	10.9	47	34.1	8	5.8	12	8.7	11	8.0	19	13.8	1	0.7
02	113,944	1,166	10.2	560	491.5	272	238.7	9	7.9	67	58.8	31	27.2	47	41.2	3	2.6	36	31.6	6	5.3	14	12.3	3	2.6	1	0.9	2	1.8
03	126,956	909	7.2	432	340.3	257	202.4	3	2.4	26	20.5	13	10.2	25	19.7	2	1.6	28	22.1	6	4.7	16	12.6	4	3.2	-	-	-	-

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

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

Table B.

**Live Births by Selected Characteristics and Infant Deaths
by Community District of Residence, New York City, 1999**

Community District	Live Births Rate*		Percent of Total Live Births with Specified Characteristics									Infant Mortality (r 1 Year)		Neonatal Mortality (Under 28 Days)	
			Mother's Ancestry Hispanic		Foreign Born Mother	First Live Birth	Under 2,500 Grams	Late or No ¹ Prenatal Care	Mother Not Married	On Medicaid	Number	Rate**	Number	Rate**	
			Puerto Rican	Other Hispanic											
Manhattan	19,392	13.0	7.4	28.4	46.1	52.2	8.0	9.3	40.9	47.2	115	5.9	85	4.4	
01	417	16.4	2.2	5.3	30.5	68.1	9.4	4.1	12.0	5.8	1	2.4	1	2.4	
02	712	7.6	1.4	5.9	39.6	69.1	7.3	3.8	15.2	16.9	4	5.6	4	5.6	
03	2,162	13.4	16.6	11.4	62.9	48.2	6.3	6.2	39.2	72.7	7	3.2	4	1.9	
04	753	8.9	10.0	19.0	43.6	59.9	8.1	11.0	37.5	37.5	2	2.7	2	2.7	
05	400	9.2	2.8	5.8	45.8	69.0	5.5	8.5	20.5	20.0	4	10.0	1	2.5	
06	1,199	9.0	3.5	5.2	37.8	71.1	7.4	5.3	9.8	6.5	3	2.5	3	2.5	
07	2,550	12.1	4.9	13.6	29.5	58.0	6.2	6.9	20.3	18.0	8	3.1	5	2.0	
08	2,656	12.6	2.3	5.4	30.6	60.0	7.0	4.1	7.5	6.2	14	5.3	10	3.8	
09	1,536	14.4	5.9	49.7	54.9	46.0	8.4	13.7	62.6	69.1	14	9.1	9	5.9	
10	1,708	17.2	6.7	14.5	34.1	38.0	11.9	14.8	73.9	71.6	28	16.4	21	12.3	
11	1,852	16.8	20.4	36.3	39.0	40.7	11.7	11.3	74.1	77.5	18	9.7	14	7.6	
12	3,434	17.3	4.8	81.6	72.3	44.6	7.3	14.5	61.7	77.3	12	3.5	11	3.2	
Bronx	21,411	17.8	25.3	30.4	44.6	39.0	9.4	12.5	67.7	62.0	142	6.6	94	4.4	
01	1,564	20.3	38.7	30.6	31.4	36.4	11.8	12.6	80.4	77.9	14	9.0	8	5.1	
02	896	22.7	40.1	34.6	34.7	40.6	10.5	14.2	77.2	73.7	7	7.8	4	4.5	
03	1,347	23.1	27.6	24.9	32.7	35.9	11.5	16.6	79.8	67.3	13	9.7	9	6.7	
04	2,888	24.3	18.4	40.3	55.2	36.1	9.5	15.1	72.2	73.2	16	5.5	9	3.1	
05	2,658	22.4	22.2	41.6	51.3	35.9	8.3	15.0	75.8	73.5	20	7.5	14	5.3	
06	1,381	20.3	34.8	31.2	35.3	34.7	9.3	10.6	77.1	67.1	10	7.2	7	5.1	
07	2,565	19.9	23.7	40.7	54.7	40.2	7.3	12.2	64.7	65.1	15	5.8	9	3.5	
08	1,162	12.0	13.7	40.0	47.3	44.1	7.9	9.9	44.8	45.8	3	2.6	2	1.7	
09	2,714	16.4	32.9	22.5	36.6	39.5	10.4	12.6	66.0	56.3	17	6.3	11	4.1	
10	989	10.1	24.6	12.5	26.1	43.9	7.7	5.6	40.4	29.1	4	4.0	2	2.0	
11	1,332	13.6	25.4	19.4	46.8	43.2	7.8	8.3	50.3	42.2	7	5.3	6	4.5	
12	1,900	14.7	12.6	9.1	53.6	43.5	11.1	11.3	65.5	47.7	16	8.4	13	6.8	
Brooklyn	39,258	17.1	7.7	16.2	49.9	41.3	8.5	13.1	46.6	56.2	266	6.8	181	4.6	
01	3,049	19.5	13.3	23.2	35.5	36.0	6.5	8.4	32.2	64.7	12	3.9	9	3.0	
02	1,092	11.6	10.3	9.2	27.6	49.9	9.8	8.1	51.7	45.8	5	4.6	4	3.7	
03	2,319	16.7	8.4	11.3	29.8	38.0	12.1	12.3	76.2	71.0	21	9.1	13	5.6	
04	2,234	21.8	19.9	52.6	49.3	38.5	7.9	9.2	69.7	82.3	15	6.7	11	4.9	
05	2,913	18.1	14.7	24.0	45.0	36.6	10.6	13.6	70.9	70.6	19	6.5	14	4.8	
06	1,386	13.6	13.6	12.2	25.5	55.9	7.3	7.9	35.1	32.0	7	5.1	5	3.6	
07	2,163	21.1	16.6	44.4	65.9	44.3	5.9	6.7	49.7	71.8	13	6.0	10	4.6	
08	1,523	15.7	4.2	6.9	43.6	40.6	11.8	13.7	72.0	61.1	15	9.8	9	5.9	
09	1,851	16.7	1.7	6.3	61.8	40.4	9.5	12.1	56.9	53.5	17	9.2	13	7.0	
10	1,675	15.1	5.2	9.9	58.4	46.1	6.3	8.6	18.0	35.8	4	2.4	4	2.4	
11	2,149	14.3	3.0	12.8	63.5	49.6	7.1	14.2	21.0	42.8	10	4.7	6	2.8	
12	4,064	25.4	2.2	11.2	44.7	33.5	5.6	12.9	15.4	50.6	15	3.7	11	2.7	
13	1,248	12.2	10.0	18.8	57.3	60.8	8.0	39.8	47.6	63.8	5	4.0	3	2.4	
14	3,079	19.3	2.6	13.3	62.9	39.4	8.5	17.7	43.2	52.4	29	9.4	19	6.2	
15	1,809	12.6	2.8	7.6	57.4	44.1	7.8	17.8	18.6	33.9	3	1.7	1	0.6	
16	1,505	17.7	9.0	9.2	29.0	34.9	12.9	13.8	80.0	70.1	22	14.6	10	6.6	
17	2,610	16.2	1.7	4.8	71.1	42.1	10.8	13.1	67.0	58.0	28	10.7	20	7.7	
18	2,577	15.9	4.3	4.9	53.6	41.0	8.1	13.0	40.7	36.6	26	10.1	19	7.4	
Queens	28,200	14.4	5.3	29.7	67.0	43.7	8.2	9.9	43.0	52.9	189	6.7	142	5.0	
01	2,603	13.8	5.3	31.8	69.5	47.6	8.3	13.3	41.6	57.1	17	6.5	14	5.4	
02	1,524	16.1	3.0	43.3	84.4	50.1	5.8	10.1	40.0	58.7	5	3.3	3	2.0	
03	2,666	20.7	2.5	68.0	83.9	41.9	6.9	11.8	56.1	65.8	15	5.6	13	4.9	
04	2,925	21.3	1.6	57.6	87.4	44.0	7.0	12.6	51.0	66.9	22	7.5	17	5.8	
05	2,057	13.8	15.5	30.5	47.9	42.2	6.9	7.8	36.7	44.8	11	5.3	8	3.9	
06	1,134	10.6	2.8	12.1	69.6	51.6	7.6	7.0	17.9	24.0	5	4.4	4	3.5	
07	2,516	11.3	2.5	22.3	74.7	45.4	6.2	10.7	24.9	45.3	14	5.6	12	4.8	
08	1,848	14.2	4.1	13.8	66.8	43.1	7.4	7.3	26.8	40.6	2	1.1	2	1.1	
09	2,044	18.1	13.0	27.3	66.0	42.5	8.7	9.8	42.7	55.1	13	6.4	10	4.9	
10	1,704	15.8	7.7	16.3	62.4	42.5	10.3	7.4	42.4	50.0	14	8.2	8	4.7	
11	720	6.7	2.6	13.2	55.6	46.0	6.5	6.5	15.3	22.2	3	4.2	2	2.8	
12	3,147	15.6	3.1	16.2	52.6	40.4	11.3	9.5	62.7	61.5	30	9.5	20	6.4	
13	1,954	11.0	4.0	8.1	59.9	41.8	10.3	8.0	45.5	45.7	21	10.7	15	7.7	
14	1,333	13.3	9.6	14.8	34.2	38.0	11.0	9.4	59.4	58.3	17	12.8	14	10.5	
Staten Island	5,811	15.3	8.2	8.7	24.5	39.6	9.2	7.2	27.1	21.0	44	7.6	37	6.4	
01	2,410	17.5	11.8	13.3	31.5	37.9	10.1	9.3	44.0	34.6	19	7.9	16	6.6	
02	1,542	13.5	6.9	7.8	28.4	41.6	9.3	6.2	20.2	17.4	13	8.4	12	7.8	
03	1,832	14.4	4.2	3.3	12.1	40.1	8.1	5.0	11.1	6.4	12	6.6	9	4.9	

*Rate per 1,000 population.

**Rate per 1,000 live births.

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

Table C.

Live Births to Teenagers by Selected Characteristics and Infant Deaths by Community District of Residence, New York City, 1999

Community District	Percent of Live Births		Percent of Live Births with Specified Characteristics										Infant Mortality (r 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												
Manhattan	1,647	8.4	18.1	46.7	33.2	82.7	10.3	17.0	91.8	88.2	16	9.7	10	6.1		
01	4	1.0	25.0	50.0	25.0	100.0	-	25.0	100.0	75.0	-	-	-	-		
02	12	1.7	8.3	33.3	25.0	91.7	8.3	25.0	91.7	66.7	1	83.3	1	83.3		
03	182	8.4	45.1	22.5	19.8	84.1	10.4	13.2	90.1	89.0	3	16.5	2	11.0		
04	59	7.8	28.8	32.2	35.6	79.7	10.2	15.3	86.4	79.7	1	16.9	1	16.9		
05	27	6.8	7.4	11.1	11.1	85.2	3.7	14.8	96.3	85.2	1	37.0	-	-		
06	15	1.3	53.3	13.3	13.3	93.3	13.3	26.7	86.7	86.7	-	-	-	-		
07	105	4.1	25.7	45.7	32.4	78.1	15.2	21.9	92.4	81.0	2	19.0	1	9.5		
08	65	2.4	16.9	12.3	16.9	87.7	16.9	24.6	96.9	90.8	-	-	-	-		
09	220	14.3	9.5	62.3	36.4	84.1	6.8	14.5	94.5	89.1	-	-	-	-		
10	271	15.9	10.3	17.7	18.5	82.3	12.2	14.4	93.0	84.5	4	14.8	3	11.1		
11	281	15.2	26.0	39.5	29.9	81.5	12.1	13.2	93.2	89.0	3	10.7	1	3.6		
12	406	11.8	6.7	85.2	54.4	82.3	7.6	21.7	88.9	92.9	1	2.5	1	2.5		
Bronx	3,050	14.3	37.4	27.7	27.6	80.3	10.0	16.1	92.3	74.4	25	8.2	13	4.3		
01	325	20.8	48.6	24.6	21.5	80.0	11.7	13.8	91.1	87.4	4	12.3	1	3.1		
02	182	20.3	50.0	22.0	19.2	85.7	9.3	14.3	94.5	76.9	-	-	-	-		
03	278	20.6	34.2	21.2	20.5	77.7	15.1	19.4	96.0	72.7	3	10.8	-	-		
04	411	14.2	31.1	34.1	34.1	75.2	9.2	16.5	91.5	77.1	5	12.2	3	7.3		
05	401	15.1	35.4	35.9	30.9	80.3	8.7	16.2	94.0	78.8	2	5.0	2	5.0		
06	244	17.7	49.2	27.0	21.7	80.3	9.0	13.9	92.6	77.5	3	12.3	2	8.2		
07	298	11.6	34.2	39.3	33.6	78.5	8.1	14.8	88.9	74.5	2	6.7	2	6.7		
08	116	10.0	19.8	57.8	39.7	86.2	9.5	20.7	87.1	76.7	-	-	-	-		
09	373	13.7	45.8	18.0	23.6	80.2	9.1	17.4	91.2	70.8	3	8.0	1	2.7		
10	66	6.7	33.3	15.2	9.1	83.3	9.1	15.2	90.9	45.5	-	-	-	-		
11	122	9.2	40.2	23.0	35.2	83.6	12.3	12.3	90.2	63.1	-	-	-	-		
12	231	12.2	17.7	11.3	33.3	85.7	10.4	16.5	96.1	59.3	3	13.0	2	8.7		
Brooklyn	3,798	9.7	16.4	23.7	32.4	82.9	10.4	17.7	87.5	80.6	30	7.9	19	5.0		
01	259	8.5	39.4	38.2	31.7	83.8	6.2	9.7	81.9	89.2	1	3.9	1	3.9		
02	119	10.9	21.8	10.1	11.8	77.3	7.6	10.9	91.6	82.4	1	8.4	1	8.4		
03	389	16.8	11.1	12.6	19.5	81.5	11.6	17.2	96.4	82.8	3	7.7	2	5.1		
04	345	15.4	23.2	51.0	32.2	78.6	8.1	11.3	91.6	87.5	1	2.9	1	2.9		
05	458	15.7	23.6	19.0	21.6	80.6	13.3	18.6	93.7	83.2	4	8.7	3	6.6		
06	95	6.9	27.4	23.2	26.3	87.4	14.7	20.0	90.5	82.1	-	-	-	-		
07	269	12.4	28.3	56.5	51.7	82.9	7.4	8.2	83.6	87.4	1	3.7	1	3.7		
08	189	12.4	6.3	5.8	23.8	83.6	12.7	18.0	93.1	75.1	1	5.3	1	5.3		
09	174	9.4	5.2	8.0	44.3	83.9	10.3	22.4	96.0	79.9	-	-	-	-		
10	75	4.5	13.3	29.3	58.7	89.3	5.3	9.3	48.0	66.7	-	-	-	-		
11	73	3.4	9.6	39.7	60.3	84.9	9.6	26.0	71.2	76.7	-	-	-	-		
12	185	4.6	6.5	34.1	45.9	87.6	10.3	14.6	57.3	70.8	2	10.8	2	10.8		
13	141	11.3	22.0	24.1	31.9	86.5	9.9	50.4	80.9	85.8	3	21.3	2	14.2		
14	236	7.7	6.8	25.4	48.3	84.3	10.6	23.3	83.1	75.4	5	21.2	3	12.7		
15	88	4.9	5.7	20.5	47.7	84.1	11.4	26.1	72.7	67.0	-	-	-	-		
16	286	19.0	12.9	10.5	15.0	79.0	12.6	14.7	96.2	82.5	5	17.5	1	3.5		
17	257	9.8	3.5	3.9	43.6	87.2	12.8	19.1	95.3	72.0	2	7.8	1	3.9		
18	160	6.2	8.1	6.9	21.9	86.3	8.1	22.5	88.8	72.5	1	6.3	-	-		
Queens	2,143	7.6	10.4	38.6	46.3	83.0	9.8	15.4	85.6	76.5	18	8.4	12	5.6		
01	187	7.2	11.2	42.8	50.3	81.3	10.7	17.6	81.8	74.9	2	10.7	2	10.7		
02	90	5.9	3.3	66.7	71.1	85.6	5.6	18.9	78.9	73.3	-	-	-	-		
03	242	9.1	2.5	81.4	71.5	81.8	5.8	15.3	86.8	77.3	3	12.4	3	12.4		
04	220	7.5	3.2	74.5	71.8	82.3	10.0	15.0	80.9	76.4	2	9.1	1	4.5		
05	148	7.2	28.4	47.3	28.4	81.8	6.8	12.2	81.1	72.3	-	-	-	-		
06	18	1.6	5.6	38.9	77.8	88.9	-	5.6	77.8	50.0	-	-	-	-		
07	100	4.0	2.0	51.0	62.0	88.0	6.0	21.0	74.0	74.0	1	10.0	-	-		
08	71	3.8	11.3	9.9	45.1	78.9	9.9	14.1	74.6	69.0	-	-	-	-		
09	193	9.4	21.8	32.1	50.3	86.0	11.4	19.2	77.7	81.3	2	10.4	1	5.2		
10	140	8.2	7.9	13.6	39.3	80.7	13.6	13.6	84.3	76.4	-	-	-	-		
11	19	2.6	5.3	42.1	42.1	78.9	15.8	5.3	89.5	63.2	-	-	-	-		
12	385	12.2	7.3	15.1	28.6	81.3	12.7	13.5	95.8	76.6	5	13.0	4	10.4		
13	150	7.7	10.7	8.7	32.0	84.7	9.3	13.3	90.7	75.3	1	6.7	-	-		
14	178	13.4	19.1	16.3	19.7	86.5	10.7	16.9	95.5	86.5	2	11.2	1	5.6		
Staten Island	341	5.9	19.6	15.5	23.8	80.6	11.1	16.1	89.1	52.2	4	11.7	4	11.7		
01	257	10.7	19.1	16.0	24.9	78.2	12.5	18.3	91.4	56.8	1	3.9	1	3.9		
02	49	3.2	24.5	22.4	22.4	89.8	10.2	8.2	85.7	40.8	1	20.4	1	20.4		
03	33	1.8	12.1	3.0	18.2	87.9	3.0	6.1	81.8	33.3	2	60.6	2	60.6		

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

**Rate per 1,000 live births.

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

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

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

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

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

Preliminary comparability ratios, based on double coding 1.8 million records, are available and are shown in Table 3, Deaths by Cause by Decedents Borough of Residence and Sex, and Comparability Ratio. See the discussion of tabulation lists below. A comparability ratio of 1.00 indicates that the same number of deaths was coded to a particular cause by both ICD-9 and ICD-10. However, these were not necessarily the same deaths, as several changes in procedure may have compensated for each other. Ratios that depart from 1.00 can be due to changes in the organization and level of detail between ICD-9 and ICD-10, reorganization of categories, or changes in coding rules. The preliminary comparability

ratios shown in Table 3 should be interpreted cautiously for several reasons: the NCHS study is not complete; these are national data and New York City findings may differ to some extent; and the New York City Vital Statistics Summary may not have presented exactly the same cause of death groups under ICD-9 as NCHS did. NCHS hopes to have all data coded and final comparability ratios available in 2001. Then, construction and analysis of New York City comparability ratios will be possible.

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

! For the two largest cause groups, malignant neoplasms and major cardiovascular diseases as well as for most of their listed components, the comparability ratios are very close to 1.00.

! The ratios for the three major categories of external causes, accidents, suicides and homicides, are close to 1.00.

! The comparability ratio for influenza and pneumonia of 0.70 is by far the lowest. The ratio indicates that the number of deaths coded to influenza and pneumonia under ICD-10 is only 70% as great as the number under ICD-9. In 1998, there were 2,680 deaths in New York City attributed to pneumonia and influenza (note the name change); application of the comparability ratio leads to a prediction of about 1,900 deaths in 1999, rather than the 2,474 actually reported. (There were between 2,500 and 2,700 deaths from pneumonia and influenza annually from 1994 through 1998, and 3,079 in 1993). This change has implications for public health in that the classification of a sentinel public health event has changed so dramatically. When the final comparability data are received, detailed analysis of the change will be possible.

! The comparability ratio for asthma, a disease which has been the focus of a citywide initiative, is 0.89. There has been a gradual increase in asthma deaths from 1980. Two hundred and fifty deaths were reported in 1998 and 244 in 1999. The comparability ratio would predict 223 deaths, slightly lower than the number found.

! Several causes have comparability ratios of 0.85 or less; i.e., the number of deaths assigned is 15% or more below what would have been assigned under ICD-9: tuberculosis, 0.85; hypertensive heart disease, 0.80; congenital malformations, deformities and chromosomal abnormalities, 0.85. Among the external causes, motor vehicles accidents, at 0.85, and falls, at 0.84, declined.

! Three causes and one component have preliminary comparability ratios of 1.15 or more; i.e., there is an increase of 15% or more under ICD-10 compared to ICD-9: septicemia, 1.19; Alzheimer's disease, 1.55; nephritis, nephrotic syndrome and nephrosis, 1.23, and its component, renal failure, 1.29.

Tabulation Lists and Leading Causes of Death - An important part of ICD is several tabulation lists used to present United States mortality data in international comparisons. These tabulation lists were developed to meet three general criteria: to be compatible with WHO requirements; to maintain continuity with past listings; and to meet United States medical and public health needs. In particular, NCHS will use a list of 113 Selected Causes of Death for general reports and designates 71 of these as eligible for ranking as leading causes of death. Under ICD-9, the list of selected causes contained 72 causes or groups, and 50 eligible to be ranked. The New York City list of causes in Table 3 is now longer; there are more causes eligible to be ranked as leading causes for particular demographic groups, and these are shown more clearly in the table.

A separate NCHS list of 130 Selected Causes of Infant Deaths to be used for decedents under one year of age has been adopted in Table 3, Infant Deaths by Race and Cause by Sex and Age, of the Vital Statistics Summary. Causes eligible to be ranked as leading causes are noted as well.

Detailed discussions of tables containing mortality data follow.

Table 3 - Deaths by Cause by Decedent's Borough of Residence and Sex and Comparability Ratio - This table contains 62 of NCHS's 113 selected causes: many of the NCHS causes do not typically occur in the United States, such as malaria, and others have been very infrequent in recent decades, such as appendicitis. Pneumocystosis and Kaposi's sarcoma had been added to the New York City List in 1984 as markers for the then-emerging HIV epidemic. These causes have been dropped in the selected causes list as they are no longer necessary as markers. Diseases newly listed, in addition to more malignant neoplasm sites and cardiovascular disease, include Parkinson's disease and alcoholic liver disease. Chronic lower respiratory diseases replaces chronic obstructive pulmonary diseases and allied conditions, mainly by the removal of extrinsic allergic alveolitis. Breast cancer no longer has separate codes for males and females. Among external causes, several additional categories are shown separately, so that all causes appear; the new categories include legal intervention, complications of medical and surgical care, and operations of war and their sequelae. The special category injury by firearms now includes legal intervention deaths. Further discussion of external causes appears below. Table 3 contains 32 causes eligible to be ranked as leading causes, compared to the NCHS set of 50 causes. The causes omitted are those noted above, which are uncommon causes of death or rare occurrences.

Two cause groups in Table 3 are not among the NCHS 113 selected causes and not eligible for selection as leading causes nationally: use of alcohol and use of psychoactive substances. They are of public health importance in New York City, and have been included in our tables for decades. The cause mental and behavioral disorders due to use of alcohol includes several diseases which were not included in the alcohol dependence syndrome of ICD-9: alcoholic psychoses and non-dependent abuse of alcohol. Similarly, the cause mental and behavioral disorders due to psychoactive substance use excluding alcohol and tobacco, includes drug psychoses and non-dependent abuse of psychoactive drugs, in addition to drug dependence.

The category of maternal deaths, deaths due to pregnancy, childbirth and the puerperium (the 42 days following termination of the pregnancy) has

been expanded to include deaths due to obstetric causes occurring after the puerperal period. This will encourage better reporting and improve public health surveillance and planning.

Table 4, Leading Causes of Death in Specified Age Groups by Sex and Table 4a Leading Causes of Death in Specified Ethnic Groups by Sex - The causes eligible for ranking for all ages and for ages over one year are shown in Table 3; the causes for infants are shown in Table 31.

Table 5, Deaths and Death Rates by Health Center District of Residence - To interpret changes in rates of causes of death, reference should be made to the preliminary comparability ratios in Table 3.

Tables 8, 9, 10, 11, 11a, Deaths due to external causes by age and sex - Among accidents, shown in Table 8, the classification of place of accident, which included home and public place, was unreliable and is no longer provided. Transport deaths involving more than one mode are assigned to the first mode listed in the table. Table 11a, complications of medical and surgical care, is new. Sequelae are conditions causing death which originated with an injury one year or more earlier.

Table 17, Deaths and Crude Death Rates - The ICD-10 codes used in 1999 have replaced the ICD-9 codes.

Table 31, Infant Deaths by Race and Cause by Sex and Age - The causes included here are based on the NCHS list of 130 Selected Causes of Infant Death, and 71 causes eligible to be ranked as leading causes of infant death. Only those causes which appear with some frequency in New York City, or are of particular interest here, are included. Other respiratory conditions originating in the perinatal period is not eligible for national ranking but occur often enough here. A single cause containing a number of infectious diseases was created because no single disease occurs very often. Similarly, all external causes are grouped into one in the New York City list. The cause cardiovascular disorders originating in the perinatal period is included in a residual category by NCHS and not eligible to be ranked, but it occurs often enough in New York City to be ranked.

Table A, Deaths and Death Rates from Selected Causes by Community District of Residence - To interpret changes in rate of causes of death, reference should be made to the preliminary comparability ratios in Table 3.

Rates and Ratios Defined

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

VITAL EVENTS - Vital event data reported here are based on occurrences in New York City to both residents and non-residents. Tables that include a geographic breakdown for residents show non-resident and residence-unknown data separately. Where there is no geographic breakdown, all New York City occurrences are included. Counts of births, deaths and induced and spontaneous terminations of pregnancy are based on certificates filed with the Office of Vital Records, New York City Department of Health. With implementation beginning in 1995 and completed by the end of 1996, 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; see Induced Terminations of Pregnancy below. ! The number of marriages shown in Table 1 and in Figure 9 is the number of marriage licenses issued by the City Clerk. Tables 14, 15 and 16 also use outside data sources; see Life Expectancy below. ! For public health purposes, the demographic and medical information on the certificates is coded in general agreement with standards developed by the National Center for Health Statistics (NCHS). In some instances, such as Ancestry of decedent or mother, New York City data are more detailed. ! Because New York City law prohibits recording mother's marital status on the birth certificate, it is calculated using other items; see Mother's Marital Status below.

POPULATION - Population data are census figures provided by the New York City Department of City Planning and the New York State Department of Health. In Table 1, the population figures for census years (1960, 1970, 1980 and 1990) are census counts; for intercensal years straight-line interpolations are used. Rates in this and other tables that show 1990 census figures may be out-dated. ! The corrected data in Table 2a are based on the Bureau of the Census's MARS File (Modified for Age, Race and Sex). The primary change is the allocation to a race category of over 900,000 New York City residents of Hispanic ancestry who did not report a race in the census; the number of New York City residents in the race category other and unknown declined from 1,392,964 to 556,918, while the number of whites increased by almost 650,000 and the number of blacks by almost 190,000. There were also some minor corrections in the age and sex distributions.

LIFE EXPECTANCY, AGE SPECIFIC AND ADJUSTED DEATH RATES - Life expectancy tables summarize the effect of mortality rates prevailing at a specific time on persons being born or living at that time. Tables may be computed for population subgroups, most often males and females and race groups. The components required are counts and mortality figures for the desired subgroups. Life

expectancy tables are presented for census years, which are when the population data are available. The mortality experience for the census year and for the year before and the year after is used to smooth statistical variation. ! The same two sets of data, population and mortality, are used to prepare average yearly age-sex-specific death rates for the three years (Table 15). Finally, the mortality data are separated into cause groups, and used to calculate average yearly age-sex-race adjusted death rates (Table 16). Adjustment allows comparisons between rates to be made over time or between geographic areas by eliminating the effects of differences in the composition of the populations. ! A change in the data used for the 1980 and 1990 calculations is noted in Tables 15 and 16 by a line separating these rates from those for earlier years. The calculations for 1980 and 1990 used information on all deaths occurring to New York City residents regardless of place of occurrence (obtained from the New York State Department of Health), whereas previous computations used all deaths occurring in New York City regardless of residence of the decedent. The new data were also used to compute 1980 life expectancy tables to facilitate comparisons with 1990 figures. ! Life expectancy tables for Hispanics were not calculated because of under-reporting of Hispanic ancestry on death certificates; technical changes in the death certificate were made in 1993 to correct this problem.

RACE, ANCESTRY AND ETHNICITY - Race and Ancestry are separate items on the certificates, reported usually by a parent on the birth certificate, and by a relative of the decedent or by the funeral director on the death certificate. Responses are coded in general conformance to rules of NCHS. ! In 1992, five additional codes for Asian and Pacific Islander races were added, following their introduction by NCHS: Asian Indian, Guamanian, Korean, Samoan and Vietnamese. Codes previously used include Chinese, Filipino, Hawaiian, Japanese and other. ! A new method of assigning Asian ethnicity was introduced in 1993, using Asian race rather than Asian ancestry as was done in the past. The ordered selection rules first assign Puerto Rican or other Hispanic ethnicities based on ancestry, regardless of race. Then, those of other ancestries are classified by race as Asian, other white, other black, other or unknown. This change is made to take advantage of the expanded Asian race categories introduced in 1992. ! 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. ! Table 7, Deaths by Ancestry and Borough of Residence and Table 21, Live Births by Ancestry and Borough of Residence, present data for ancestry groups having 500 or more births or deaths; groups are not deleted from the tables if their numbers decline. 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 of about 2,000 in the number of mothers reporting Hebrew or Jewish ancestry resulted from Quality Assurance discussions with several hospitals which included clarification of the meaning of ancestry. These hospitals replaced the general term American with individual information provided by the patients.

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 the International Classification of Diseases, Tenth Revision, implemented January 1, 1999. Earlier revisions and the year their codes were implemented are the Fifth, 1939; Sixth, 1949; Seventh, 1959; Eighth, 1969; and Ninth, 1979. Long term trends in causes of death should be interpreted with caution because of possible changes in causes and groupings with each revision. See the special note on ICD-10 for a fuller discussion.

HIV and AIDS Mortality - In ICD-10, implemented January 1, 1999, deaths due to HIV disease are not divided into AIDS deaths and deaths due to other HIV infections: all HIV deaths (ICD-10 codes B20-B24) are shown in Tables 3, 4, 4a, 5, 12, 13 and 17 and Figure 16. ! 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 16 contains only AIDS deaths. ! In 1997 and 1998, all other tables and figures included all HIV 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 34 are provided by the New York City AIDS Surveillance Registry. Their active surveillance system identifies persons diagnosed with AIDS, a reportable disease in New York State.

Deaths Due to Drug Abuse - In both ICD-9 and ICD-10, there are two groups of codes that can be used for drug deaths, depending on the information on the death certificate: natural cause codes and external cause codes (overdoses considered poisoning). The natural cause codes in ICD-10, mental and behavioral disorders due to psychoactive substance use excluding alcohol and tobacco (F11-F16, F18-F19) include psychoses due to drug use and non-dependent drug use, two causes not included in the Vital Statistics Summary reports using ICD-9. (Death due to alcohol are reported separately; deaths due to tobacco, in this sense, 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 3, 4, 4a, 5, 13 and 17. A category of deaths due to accidents without the drug poisoning deaths is used for ranking leading causes and appears in Table 4, 4a, 5, and 13. A fuller discussion of the history of drug death coding appears in the Vital Statistics Summaries of 1989 through 1998.

Maternal Deaths- Maternal deaths are due to complications of pregnancy, childbirth and the puerperium (the six-week period following childbirth). In ICD-9, only deaths during pregnancy or within 42 days of the termination of the pregnancy were included; in ICD-10, maternal deaths more than 42 days after the termination of the pregnancy can be coded, albeit with less detail.

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. These are now shown separately in Table 3. ! 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-9 as injuries inflicted by police or other law-enforcing agents ... in the course of arresting or attempting to arrest ... and other legal action. They are shown with assaults (homicide). 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 in Table 3; some of these pending deaths will be determined to be due to natural causes. This number has declined since 1989. ! The introduction of the category injury undetermined in 1969 affected the number of deaths classified as accidents or suicides; any discussion of trends in these causes should take this change into account. The number of deaths classified as injury undetermined 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 7a, 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.

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 preced-

ing 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 32, which uses the ethnic group of the mother from the child's birth certificate. In Tables 29 and 30, maternal risk factors and birth weight are based on the birth certificates.

BOROUGH OF RESIDENCE - Borough of residence and other geographic classifications are based on the usual residence reported in the certificate. As of 1990 deaths of nursing home residents are assigned to the area where the nursing home is located, as residents of nursing homes are included in census figures. Prior to 1990, these deaths were reported in a separate category, Residents of Institutions.

PLACE OF DEATH - In reporting Place of Death in Table 6, 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 includes, in addition to 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 22 and 23 was corrected in 1996 to include events where the certificate was filed through a hospital. For 1995, the number of home births was 762, not 249 as previously reported.

MOTHER'S MARITAL STATUS - New York City is prohibited by local law from recording mother's marital status on the record or report of birth. For purposes of statistical analysis and reporting, it has been 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 Department of City Planning 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 1998, 41 deaths were reassigned from Manhattan to the Bronx, as seen in Table 5 and Table A: the Manhattan death rate for all causes did not change from 7.5 per 1,000 population, but the rate for heart disease deaths changed from 271.8 per 100,000 population to 270.9. For 1998 births, 126 events were reassigned, as shown in Table 24 and Table B: the Bronx birth rate changed from 17.9 per 1,000 population to 18.0. ! The population of Riker's Island, site of New York City Department of Correction facilities, is in the Bronx for health center district purposes and in Queens in the community district system. The small number of vital events to residents have been assigned to Queens in both systems. ! A description of the construction of community district geography will be found in Department of City Planning, Demographic Profiles, DCP # 92-32-Revised, pp. 293-297.

Figure 12. Health Center Districts and Boroughs, New York City



HIGHLIGHTS, 1999

International Classification of Diseases, Tenth Revision (ICD-10) - This issue of the Vital Statistics Summary introduces major changes in the coding, naming and reporting of causes of death. These changes follow the nationwide implementation on January 1, 1999, of the Tenth Revision of the International Classification of Diseases, the worldwide system used to classify causes of death. All deaths occurring on or after January 1, 1999, were processed under the new rules. The last revision, which introduced relatively few changes, was in 1979.

Throughout the mortality tables are new codes (alphanumeric, compared to numeric-only codes in the past); new names for disease entities (HIV disease, compared to HIV infection, for example); some new diseases included in tables and some dropped; and changes to the designation of leading causes of death, especially for infants. The National Center for Health Statistics (NCHS), which coordinates vital statistics reporting in the United States, is conducting a comparability study between ICD-9 and ICD-10, which will permit the evaluation of changes in death rates by cause. Some preliminary results of this study are presented in Table 3, Deaths by Cause. The most important effect of the new system may be the discontinuities of trends in causes of death and the need to take this into account when analyzing short-term changes. A fuller discussion of ICD-10 can be found in the Special Note on p 40, and in the Technical Notes.

West Nile Virus - In the late summer of 1999, an unusual cluster of cases of apparent viral encephalitis was identified in the borough of Queens. The causative agent was eventually identified by the Centers for Disease Control and Prevention (CDC) as West Nile virus, a mosquito-borne virus never before seen in the Western Hemisphere. Active surveillance conducted by weekly telephone calls to infectious disease and neurology specialists at all 70 hospitals in New York City identified 62 cases, of which 46 were New York City residents, 15 were suburban residents, and one was a foreign visitor to Queens who became ill after leaving New York. There were seven deaths, all over 75 years of age: four New York City residents, 2 suburban residents, and the foreign visitor referred to earlier. The four deaths which occurred in New York City are included in all other infective and parasitic diseases in this Summary. More information can be found in City Health Information, Vol. 19, No. 1, May, 2000.

Late or No Prenatal Care - The Late or No Prenatal Care data presented in this Summary should be interpreted with

caution. The data shifted markedly from 1998, which is probably due to increased quality assurance activities conducted by the Office of Vital Statistics in 1999. In 1990, the proportion of women reported to have late or no prenatal care was 14.8%; this gradually declined until 1996, when the proportion was 8.7%, over 40% lower. Nineteen ninety seven saw full implementation of the Electronic Birth Certificate (EBC) and the percent fell further to 6.7% and then to 6.2% in 1998. However, the number of records with missing information on date of entry into prenatal care, was increasing substantially.

In 1999, the Office of Vital Statistics continued to expand its Quality Assurance activities, to include hospital site visits, telephone discussions, quarterly reports, and annual conferences for hospital birth registration staff. Accuracy and completeness of information on pregnancy history was one topic covered. In 1999, apparently as a result of quality assurance efforts, the number of records with missing information on the question of trimester for first prenatal visit declined dramatically from 19.6% to 12.6%, and reports on each level of prenatal care increased - including reported late care, from 4.8% to 5.2% of the total, and reports of no care, from 1.4% to 5.5%. Correspondingly, the percent of late or no care increased from 6.2% to 10.7%, a level not seen since 1993. A review of the certificate data and the hospital contact history showed that some of the hospitals visited in 1999 responded by increasing all level of care reports, including no care, while reducing the number of certificates with missing data. Therefore, increased reports of late or no prenatal care seen in Tables 22, 23, 24, 26 and Table B should be interpreted cautiously. Quality Assurance activities are continuing in 2000.

Deaths - The number of deaths in New York City increased 2.3%, from 61,010 to 62,470. The number of decedents under age 50 declined 2.2% , while the number age 50 and over increased 3.2%. The largest increase for the older age groups was in the 50-54 year group, where deaths increased 6.7%, and in those 85 years and over, where deaths increased 5.4%.

Births and Infant Deaths - The number of births registered declined from 124,252 to 123,739 (0.4%), following a slight increase in 1998. Births among teenagers continued to decline, both in numbers, down 5.5% from 1991, and in their proportion of all live births, which now stands at the lowest level since 1981, 9.0%. The infant mortality rate increased for the first time since 1988, albeit only from 6.8 to 6.9 (deaths under one year of age per 1,000 live births).



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Rudolph W. Giuliani, Mayor
Neal L. Cohen, M.D., Commissioner of Health

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

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