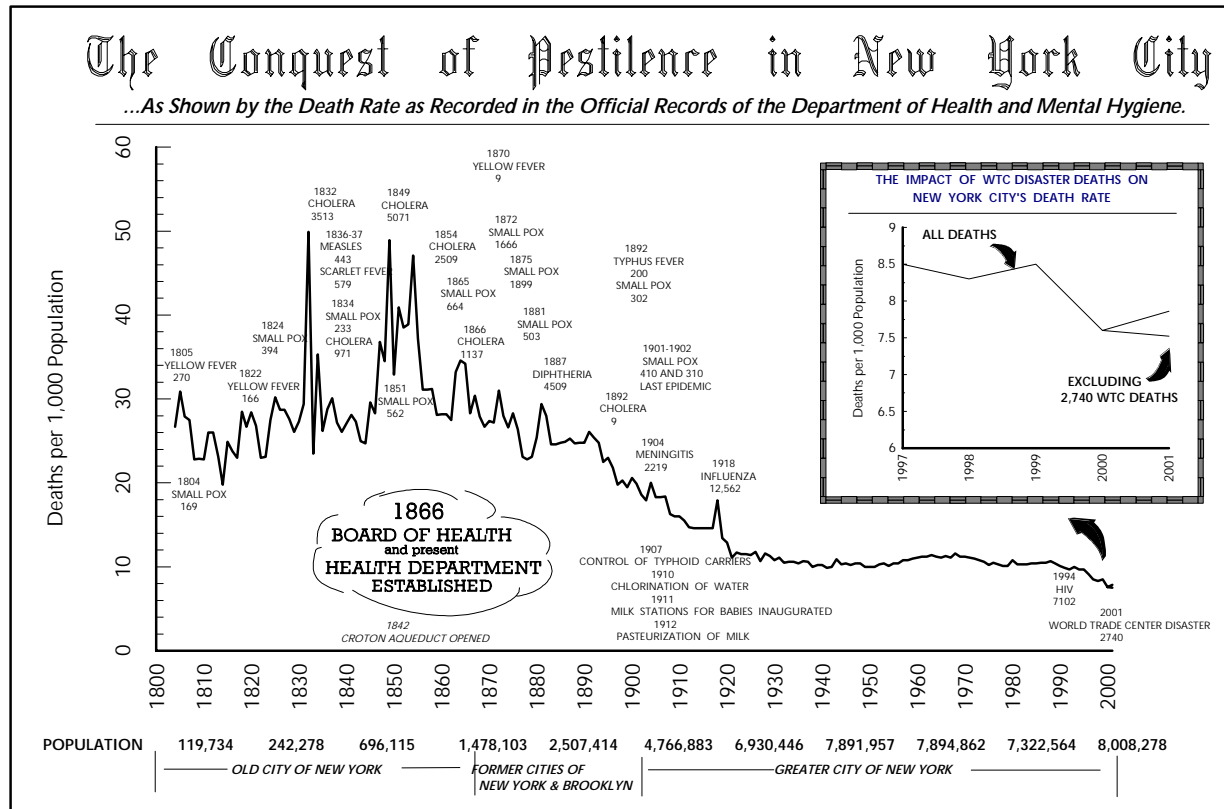


SUMMARY OF VITAL STATISTICS 2001

THE CITY OF NEW YORK



Michael R. Bloomberg, Mayor

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

SUMMARY OF VITAL STATISTICS 2001 THE CITY OF NEW YORK

By

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Table 1.

Population, Births, Marriages, Deaths and Infant Mortality, New York City, 1898-2001

Year	Population April 1	Live Births		Marriages		Deaths		Infant Mortality	
		Total Reported	Rate per 1,000 Population	Total Reported	Rate per 1,000 Population	Total Reported	Rate per 1,000 Population	Deaths under one year	Rate per 1,000 live births
1898-1900	3,358,000	119,000	35.4	30,535	9.1	67,503	20.1	16,264	136.7
1901-1905	3,786,000	129,000	34.1	37,988	10.0	71,689	18.9	15,611	121.0
1906-1910	4,473,000	144,000	32.2	44,966	10.1	75,865	17.0	16,609	115.3
1911-1915	5,049,000	140,581	27.8	51,157	10.1	74,666	14.8	14,060	100.0
1916-1920	5,492,000	136,101	24.8	59,081	10.8	80,435	14.6	12,004	88.2
1921-1925	6,175,000	130,462	21.1	62,710	10.2	69,303	11.2	8,985	68.9
1926-1930	6,703,000	125,590	18.7	62,278	9.3	75,395	11.2	7,662	61.0
1931-1935	7,101,000	106,179	15.0	63,273	8.9	75,561	10.6	5,521	52.0
1936-1940	7,363,000	102,418	13.9	69,184	9.4	76,065	10.3	4,079	39.8
1941-1945	7,597,000	126,495	16.7	76,086	10.0	78,382	10.3	3,525	27.9
1946-1950	7,815,000	158,926	20.3	90,914	11.6	79,708	10.2	4,139	26.0
1951-1955	7,867,000	163,526	20.8	71,689	9.1	80,583	10.2	3,986	24.4
1956	7,831,000	165,553	21.1	70,291	9.0	81,118	10.4	4,052	24.5
1957	7,818,000	166,977	21.4	69,498	8.9	84,141	10.8	4,176	25.0
1958	7,806,000	167,775	21.5	67,594	8.7	84,586	10.8	4,435	26.4
1959	7,794,000	168,138	21.6	66,887	8.6	85,352	11.0	4,458	26.5
1960	7,781,984	166,300	21.4	67,133	8.6	86,252	11.1	4,328	26.0
1961	7,793,000	168,383	21.6	66,258	8.5	86,855	11.1	4,307	25.6
1962	7,805,000	165,244	21.2	65,512	8.4	87,089	11.2	4,510	27.3
1963	7,816,000	167,848	21.5	67,886	8.7	88,621	11.3	4,334	25.8
1964	7,828,000	165,695	21.2	70,053	8.9	88,026	11.2	4,438	26.8
1965	7,839,000	158,815	20.3	71,880	9.2	87,395	11.1	4,076	25.7
1966	7,850,000	153,335	19.5	66,689	8.5	88,418	11.3	3,819	24.9
1967	7,862,000	145,802	18.5	68,876	8.8	87,610	11.1	3,489	23.9
1968	7,873,000	141,920	18.0	73,307	9.3	91,169	11.6	3,282	23.1
1969	7,885,000	146,221	18.5	75,220	9.5	88,535	11.2	3,563	24.4
1970	7,894,862	149,192	18.9	74,174	9.4	88,161	11.2	3,230	21.6
1971	7,832,000	131,920	16.8	73,810	9.4	86,724	11.1	2,751	20.9
1972	7,731,000	117,088	15.1	73,253	9.5	85,363	11.0	2,321	19.8
1973	7,648,000	110,639	14.5	70,104	9.2	82,319	10.8	2,206	19.9
1974	7,566,000	110,642	14.6	61,925	8.2	79,846	10.6	2,175	19.7
1975	7,484,000	109,418	14.6	59,591	8.0	76,312	10.2	2,110	19.3
1976	7,401,000	109,995	14.9	55,829	7.5	77,538	10.5	2,092	19.0
1977	7,318,000	110,486	15.1	52,804	7.2	75,011	10.3	1,971	17.8
1978	7,236,000	106,720	14.7	54,247	7.5	73,081	10.1	1,827	17.1
1979	7,154,000	106,021	14.8	58,532	8.2	72,079	10.1	1,767	16.7
1980	7,071,639	107,066	15.1	58,637	8.3	76,625	10.8	1,719	16.1
1981	7,097,000	108,547	15.3	61,775	8.7	73,329	10.3	1,678	15.5
1982	7,122,000	111,487	15.7	66,619	9.4	73,083	10.3	1,706	15.3
1983	7,147,000	112,353	15.7	68,164	9.5	73,544	10.3	1,603	14.3
1984	7,172,000	113,332	15.8	76,336	10.6	74,278	10.4	1,540	13.6
1985	7,197,000	118,542	16.5	77,897	10.8	74,852	10.4	1,591	13.4
1986	7,222,000	122,108	16.9	82,199	11.4	75,702	10.5	1,566	12.8
1987	7,247,000	127,386	17.6	76,194	10.5	76,448	10.5	1,673	13.1
1988	7,272,000	132,226	18.2	74,137	10.2	77,817	10.7	1,770	13.4
1989	7,297,000	137,673	18.9	69,758	9.6	75,957	10.4	1,827	13.3
1990	7,322,564	139,630	19.1	71,301	9.7	73,875	10.1	1,620	11.6
1991	7,388,000	138,148	18.7	69,314	9.4	72,421	9.8	1,575	11.4
1992	7,455,000	136,002	18.2	71,947	9.7	71,001	9.5	1,390	10.2
1993	7,522,000	133,583	17.8	72,490	9.6	73,408	9.8	1,366	10.2
1994	7,590,000	133,662	17.6	70,438	9.3	71,038	9.4	1,207	9.0
1995	7,658,000	131,009	17.1	71,507	9.3	70,769	9.2	1,155	8.8
1996	7,727,000	126,901	16.4	79,361	10.3	66,784	8.6	992	7.8
1997	7,796,000	123,313	15.8	80,027	10.3	62,506	8.0	881	7.1
1998	7,866,000	124,252	15.8	53,661	6.8	61,010	7.8	843	6.8
1999	7,937,000	123,739	15.6	55,075	6.9	62,470	7.9	848	6.9
2000	8,008,278	125,563	15.7	58,291	7.3	60,839	7.6	839	6.7
2001*	8,008,278	124,023	15.5	72,587	9.1	62,958	7.9	760	6.1
2001	8,008,278	Excluding World Trade Center disaster deaths				60,218	7.5		

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

Intercensal counts are interpolated; the interpolation from 1990 to 2000 uses an exponential formula. See Technical Notes.

* Total number of reported deaths is preliminary due to incomplete reporting of World Trade Center (WTC) disaster deaths. As of February 21, 2003, 2,740 deaths from WTC disaster are reported. See Special Section A for detailed statistics on WTC deaths.

Table 2.

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

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

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

Table 3.

**Deaths by Age, Ethnic Group, and Sex
New York City, 2001***

Age in Years	All			Hispanic		Non-Hispanic White		Non-Hispanic Black		Asian and Pacific Islander		Other and Unknown	
	Total	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
All Ages	60,218	28,904	31,314	4,445	4,010	15,324	17,638	7,216	8,221	1,382	1,045	537	400
Under 5	904	510	394	92	85	164	137	221	147	26	20	7	5
5-9	88	54	34	15	7	13	8	17	16	8	2	1	1
10-14	93	46	47	10	12	11	13	22	20	3	2	-	-
15-19	253	178	75	47	16	37	22	88	32	5	4	1	1
20-24	449	319	130	103	38	82	39	118	45	14	6	2	2
25-29	515	349	166	92	34	94	45	141	78	16	3	6	6
30-34	771	497	274	122	68	160	63	170	125	27	15	18	3
35-39	1,290	750	540	203	149	241	137	255	230	30	15	21	9
40-44	1,730	1,083	647	260	153	367	182	378	277	52	24	26	11
45-49	2,396	1,504	892	329	167	530	285	532	386	74	33	39	21
50-54	3,002	1,822	1,180	386	207	714	430	585	473	82	48	55	22
55-59	3,242	1,900	1,342	379	240	758	526	616	521	94	37	53	18
60-64	3,828	2,157	1,671	399	276	955	655	618	641	132	73	53	26
65-69	4,511	2,500	2,011	453	344	1,172	866	691	687	146	86	38	28
70-74	5,839	3,122	2,717	431	412	1,729	1,377	759	771	144	115	59	42
75-79	7,540	3,689	3,851	403	487	2,226	2,175	802	1,019	202	128	56	42
80-84	7,847	3,442	4,405	329	445	2,295	2,788	614	963	159	152	45	57
85 & Over	15,904	4,970	10,934	392	870	3,771	7,889	588	1,789	168	282	51	104
Unknown	16	12	4	-	-	5	1	1	1	-	-	6	2

* World Trade Center (WTC) disaster deaths are not included. See Special Section A for detailed statistics on WTC deaths. See the Technical Notes for a discussion of ethnic group.

Table 4.

**Deaths by Cause by Decedent's Borough of Residence and Sex, and Comparability Ratio
New York City, 2001****

Cause (Codes from International Classification of Diseases, Tenth Revision, 1999)	Total	BOROUGH OF RESIDENCE							SEX		Preliminary Comparability Ratio
		Manhattan	Bronx	Brooklyn	Queens	Staten Island	Non-Residents	Residence Unknown	Male	Female	
Total Deaths	60,218	10,843	9,856	17,563	14,269	3,423	3,884	380	28,904	31,314	
Natural Causes	57,447	10,341	9,339	16,788	13,747	3,321	3,614	297	27,016	30,431	
1.# Tuberculosis (A16-A19)	33	6	5	12	5	1	3	1	21	12	0.85
Respiratory tuberculosis (A16)	30	6	4	11	4	1	3	1	19	11	0.91
2.# Septicemia (A40-A41)	610	115	135	212	102	8	34	4	265	345	1.19
3.# Viral hepatitis (B15-B19)	328	64	71	70	60	11	51	1	211	117	0.83
4.# Human immunodeficiency virus (HIV) disease (B20-B24)	1,774	412	496	557	201	41	45	22	1,166	608	1.06
5. All other infective and parasitic diseases (Rest of A01-B99)	151	37	22	43	29	1	17	2	82	69	
6.# Malignant neoplasms (C00-C97)	14,041	2,716	2,034	3,872	3,192	787	1,406	34	6,797	7,244	1.01
Lip, oral cavity and pharynx (C00-C14)	226	48	35	63	50	9	19	2	158	68	0.96
Esophagus (C15)	296	53	55	85	54	9	38	2	226	70	1.00
Stomach (C16)	532	78	77	177	140	17	42	1	294	238	1.01
Colon, rectum and anus (C18-C21)	1,595	276	228	479	391	95	123	3	769	826	1.00
Liver and intrahepatic bile ducts (C22)	486	102	76	139	108	25	35	1	315	171	0.96
Pancreas (C25)	864	170	106	245	202	59	81	1	368	496	1.00
Larynx (C32)	109	18	24	30	18	7	12	-	88	21	1.00
Trachea, bronchus and lung (C33-C34)	3,172	651	466	809	754	223	260	9	1,746	1,426	0.98
Melanoma of skin (C43)	141	28	17	32	29	8	27	-	81	60	0.97
Breast (C50)	1,363	264	191	390	312	77	128	1	15	1,348	1.01
Cervix uteri (C53)	153	34	35	41	25	3	14	1	-	153	0.99
Corpus uteri and uterus, part unspecified (C54-C55)	249	46	35	70	55	14	28	1	-	249	1.03
Ovary (C56)	375	72	51	86	79	28	57	2	-	375	1.00
Prostate (C61)	833	184	139	230	184	34	59	3	833	-	1.01
Kidney and renal pelvis (C64-C65)	235	35	38	71	50	15	25	1	138	97	1.00
Bladder (C67)	324	59	44	90	82	21	27	1	212	112	1.00
Meninges, brain and other parts of central nervous system (C70-C72)	242	45	27	65	56	17	31	1	132	110	0.97
Lymphoid, hematopoietic and related tissues (C81-C96)	1,448	273	194	375	287	58	260	1	765	683	1.00
Hodgkin's disease (C81)	35	10	8	10	4	-	3	-	18	17	0.99
Non-Hodgkin's lymphoma (C82-C85)	587	111	72	145	124	32	103	-	329	258	0.98
Multiple myeloma and immunoproliferative neoplasms (C88, C90)	272	54	44	78	56	9	30	1	132	140	1.04
Leukemia (C91-C95)	553	97	70	142	103	17	124	-	286	267	1.01
7.# In situ or benign neoplasms and neoplasms of uncertain or unknown behavior (D00-D48)	247	51	36	62	51	13	34	-	134	113	1.67
8.# Anemias (D50-D64)	96	10	22	30	22	2	5	5	43	53	0.96
9.# Diabetes mellitus (E10-E14)	1,710	265	351	565	369	107	40	13	764	946	1.01
10.## Mental and behavioral disorders due to use of alcohol (F10)	327	64	53	98	79	6	7	20	268	59	
11. Mental and behavioral disorders due to use of psychoactive substance excluding alcohol and tobacco (F11-F16, F18-F19)	887	180	199	246	116	34	76	36	695	192	
## Mental and behavioral disorders due to use of or accidental poisoning by psychoactive substance excluding alcohol and tobacco (F11-F16, F18-F19, X40-X42, X44)	909	183	202	253	121	34	77	39	708	201	
12. Diseases of nervous system (G00-G98)	624	167	116	120	154	30	33	4	267	357	
# Meningitis (G00,G03)	31	3	9	9	5	3	2	-	13	18	1.01
# Parkinson's disease (G20-G21)	117	36	21	18	29	7	5	1	70	47	1.00
# Alzheimer's disease (G30)	172	64	35	23	36	6	7	1	42	130	1.55
13. Major cardiovascular diseases (I00-I78)	27,407	4,293	4,148	8,216	7,553	1,770	1,320	107	12,008	15,399	1.00
# Diseases of heart (I00-I09, I11,I13, I20-I51)	24,203	3,558	3,587	7,297	6,901	1,638	1,127	95	10,630	13,573	0.99
Acute rheumatic fever and chronic rheumatic heart diseases (I00-I09)	46	12	4	9	10	4	7	-	21	25	0.82
Hypertensive heart disease (I11)	1,233	305	270	350	226	34	36	12	552	681	0.80
Hypertensive heart and renal disease (I13)	77	14	11	31	17	2	2	-	38	39	1.07
Chronic ischemic heart disease (I20, I25)	16,215	2,123	2,338	4,852	5,014	1,108	711	69	7,063	9,152	1.01

Continued on next page.

Table 4.

**Deaths by Cause by Decedent's Borough of Residence and Sex, and Comparability Ratio
New York City, 2001** (Continued)**

Cause (Codes from International Classification of Diseases, Tenth Revision, 1999)	Total	BOROUGH OF RESIDENCE							SEX		Preliminary Comparability Ratio
		Manhattan	Bronx	Brooklyn	Queens	Staten Island	Non-Residents	Residence Unknown	Male	Female	
Acute myocardial infarction (I21-I22)	4,775	727	713	1,458	1,270	372	225	10	2,174	2,601	0.99
Cardiomyopathy (I42)	233	47	34	62	54	13	21	2	150	83	
Heart failure (I50)	756	133	98	280	151	50	43	1	276	480	1.04
# Essential hypertension and hypertensive renal disease (I10, I12)	773	195	151	221	137	30	36	3	343	430	1.12
# Cerebrovascular diseases (I60-I69)	1,887	417	336	545	396	83	105	5	761	1,126	1.06
# Atherosclerosis (I70)	188	36	31	59	40	6	15	1	76	112	0.96
# Aortic aneurysm and dissection (I71)	228	47	19	62	59	10	29	2	143	85	1.00
14.# Influenza and pneumonia (J10-J18)	2,505	608	496	683	453	175	79	11	1,063	1,442	0.70
15.# Chronic lower respiratory diseases (J40-J47)	1,676	349	285	455	382	129	66	10	808	868	1.05
Emphysema (J43)	157	42	22	28	43	10	7	5	95	62	0.97
Asthma (J45-J46)	215	41	67	64	35	4	4	-	91	124	0.89
16.# Pneumonitis due to solids and liquids (I69)	56	9	11	25	8	1	2	-	19	37	
17.# Peptic ulcer (K25-K28)	115	30	20	26	26	6	7	-	63	52	0.97
18.# Chronic liver disease and cirrhosis (K70, K73-K74)	578	116	115	168	115	18	41	5	390	188	1.04
Alcoholic liver disease (K70)	345	74	71	107	65	6	17	5	254	91	1.02
19.# Cholelithiasis and other disorders of gallbladder (K80-K82)	47	9	8	9	12	1	7	1	18	29	0.96
20.# Nephritis, nephrotic syndrome and nephrosis (N00-N07, N17-N19, N25-N27)	800	154	124	275	148	49	48	2	402	398	1.23
Renal failure (N17-N19)	791	152	122	273	146	49	47	2	398	393	1.29
21.# Pregnancy, childbirth and the puerperium (O00-O99)	43	4	8	15	13	-	3	-	-	43	
Maternal causes* (A34, O00-O95, O98-O99)	41	4	6	15	13	-	3	-	-	41	
22.# Certain conditions originating in the perinatal period (P00-P96)	424	65	63	138	91	17	48	2	249	175	1.07
23.# Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	281	38	53	68	43	13	66	-	144	137	0.85
24. Symptoms, signs and abnormal findings, not elsewhere classified (R00-R94, R96-R99)	121	25	27	35	24	2	7	1	61	60	
Pending final determination (R99)	2	-	-	-	-	-	2	-	-	2	
25. Sudden infant death syndrome (R95)	20	3	2	10	3	2	-	-	11	9	1.04
26. All other natural causes (Rest of A00-R99)	2,546	551	439	778	496	97	169	16	1,067	1,479	
External Causes	2,771	502	517	775	522	102	270	83	1,888	883	
Injury by firearms (W32-W34, X72-X74, X93-X95, Y22-Y24, Y35.0)	469	62	121	175	70	11	27	3	424	45	1.00
27.## Accidents (V01-X59, Y85-Y86)	1,380	247	232	348	292	54	175	32	843	537	1.03
Accidental poisoning by psychoactive substances, excluding alcohol and tobacco (X40-X42, X44)	22	3	3	7	5	-	1	3	13	9	
Motor vehicle accidents	402	42	58	114	91	29	55	13	277	125	0.85
Accidental falls (W00-W19)	417	92	54	110	122	14	21	4	250	167	0.84
28.# Intentional self-harm (suicide) (X60-X84, Y87.0)	462	122	59	110	92	25	46	8	342	120	1.00
29.# Assault (homicide) (X85-Y09, Y87.1)	670	91	185	245	85	17	29	18	530	140	1.00
30.# Legal Intervention (Y35, Y89.0)	8	1	1	3	1	-	2	-	8	-	
31. Events of undetermined intent (Y10-Y34, Y87.2, Y89.9)	206	34	34	60	37	4	12	25	144	62	
32.# Complications of medical and surgical care (Y40-Y84, Y88)	44	7	6	9	15	2	5	-	20	24	
33.# Operations of war and their sequelae (Y36, Y89.1)	1	-	-	-	-	-	1	-	1	-	

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

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

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

** World Trade Center (WTC) disaster deaths are not included. See the Special Section A for detailed statistics on WTC deaths.

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

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

Table 5.

**Leading Causes of Death* in Specified Age Groups by Sex
New York City, 2001****

Males			Females	
Deaths	Percent		Deaths	Percent
ALL AGES				
10,630	36.8	Diseases of Heart.	13,573	43.3
6,797	23.5	Malignant Neoplasms.	7,244	23.1
1,063	3.7	Influenza and Pneumonia.	1,442	4.6
761	2.6	Cerebrovascular Diseases.	1,126	3.6
1,166	4.0	Human Immunodeficiency Virus (HIV) Disease.	608	1.9
764	2.6	Diabetes Mellitus.	946	3.0
808	2.8	Chronic Lower Respiratory Diseases.	868	2.8
830	2.9	Accidents Except Poisoning by Psychoactive Substance.	528	1.7
708	2.4	Use of or Poisoning by Psychoactive Substance	201	0.6
402	1.4	Nephritis, Nephrotic Syndrome and Nephrosis	398	1.3
4,975	17.2	All Other Causes	4,380	14.0
28,904	100.0	Total	31,314	100.0
UNDER 1 YEAR				
90	20.8	Congenital Malformations, Deformations.	88	26.9
70	16.2	Cardiovascular Disorders Originating in the Perinatal Period.	41	12.5
51	11.8	Short Gestation and Low Birth Weight.	47	14.4
27	6.2	External Causes	19	5.8
25	5.8	Respiratory Distress of Newborn.	13	4.0
15	3.5	Other Respiratory Conditions Originating in the Perinatal Period.	14	4.3
16	3.7	Bacterial Sepsis of Newborn.	10	3.1
11	2.5	Sudden Infant Death Syndrome.	9	2.8
11	2.5	Pulmonary Hemorrhage in the Perinatal Period.	9	2.8
13	3.0	Necrotizing Enterocolitis of Newborn.	4	1.2
104	24.0	All Other Causes	73	22.3
433	100.0	Total	327	100.0
1 TO 14 YEARS				
44	24.9	Accidents Except Poisoning by Psychoactive Substance.	26	17.6
27	15.3	Malignant Neoplasms.	21	14.2
18	10.2	Congenital Malformations, Deformations.	18	12.2
8	4.5	Assault (Homicide).	11	7.4
8	4.5	Diseases of Heart.	7	4.7
9	5.1	Chronic Lower Respiratory Diseases.	6	4.1
7	4.0	In Situ, Benign and Uncertain Neoplasms	2	1.4
2	1.1	Septicemia	6	4.1
4	2.3	Influenza and Pneumonia.	3	2.0
2	1.1	Human Immunodeficiency Virus (HIV) Disease.	4	2.7
48	27.1	All Other Causes.	44	29.7
177	100.0	Total	148	100.0
15 TO 24 YEARS				
190	38.2	Assault (Homicide).	22	10.7
75	15.1	Accidents Except Poisoning by Psychoactive Substance.	35	17.1
42	8.5	Intentional Self-harm (Suicide).	15	7.3
28	5.6	Malignant Neoplasms.	28	13.7
40	8.0	Use of or Poisoning by Psychoactive Substance	11	5.4
23	4.6	Diseases of Heart.	15	7.3
9	1.8	Human Immunodeficiency Virus (HIV) Disease.	15	7.3
9	1.8	Anemias	4	2.0
7	1.4	Congenital Malformations, Deformations.	6	2.9
7	1.4	Events of Undetermined Intent	3	1.5
67	13.5	All Other Causes.	51	24.9
497	100.0	Total	205	100.0
25 TO 34 YEARS				
102	12.1	Human Immunodeficiency Virus (HIV) Disease.	92	20.9
161	19.0	Assault (Homicide).	32	7.3
110	13.0	Accidents Except Poisoning by Psychoactive Substance.	40	9.1
119	14.1	Use of or Poisoning by Psychoactive Substance	31	7.0
71	8.4	Malignant Neoplasms.	72	16.4
73	8.6	Intentional Self-harm (Suicide).	18	4.1
56	6.6	Diseases of Heart.	29	6.6
17	2.0	Diabetes Mellitus.	13	3.0
19	2.2	Events of Undetermined Intent	2	0.5
0	0.0	Pregnancy, Childbirth and the Puerperium.	21	4.8
118	13.9	All Other Causes.	90	20.5
846	100.0	Total	440	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.

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

**World Trade Center (WTC) disaster deaths are not included. See Special Section A and the Technical Notes for detailed statistics on WTC deaths and cause-of-death coding.

Males		35 TO 44 YEARS	Females	
Deaths	Percent		Deaths	Percent
387	21.1	Human Immunodeficiency Virus (HIV) Disease.....	251	21.1
233	12.7	Malignant Neoplasms.....	293	24.7
242	13.2	Diseases of Heart.....	114	9.6
246	13.4	Use of or Poisoning by Psychoactive Substance.....	87	7.3
140	7.6	Accidents Except Poisoning by Psychoactive Substance.....	48	4.0
81	4.4	Assault (Homicide).....	36	3.0
74	4.0	Intentional Self-harm (Suicide).....	21	1.8
34	1.9	Cerebrovascular Diseases.....	38	3.2
46	2.5	Chronic Liver Disease and Cirrhosis.....	22	1.9
52	2.8	Mental Disorders due to Use of Alcohol.....	12	1.0
298	16.3	All Other Causes.....	265	22.3
1,833	100.0	Total.....	1,187	100.0
45 TO 54 YEARS				
735	22.1	Malignant Neoplasms.....	770	37.2
714	21.5	Diseases of Heart.....	329	15.9
443	13.3	Human Immunodeficiency Virus (HIV) Disease.....	186	9.0
224	6.7	Use of or Poisoning by Psychoactive Substance.....	61	2.9
125	3.8	Accidents Except Poisoning by Psychoactive Substance.....	62	3.0
111	3.3	Chronic Liver Disease and Cirrhosis.....	51	2.5
71	2.1	Cerebrovascular Diseases.....	77	3.7
89	2.7	Diabetes Mellitus.....	49	2.4
105	3.2	Viral Hepatitis.....	21	1.0
95	2.9	Mental Disorders due to Use of Alcohol.....	23	1.1
614	18.5	All Other Causes.....	443	21.4
3,326	100.0	Total.....	2,072	100.0
55 TO 64 YEARS				
1,298	32.0	Malignant Neoplasms.....	1,276	42.3
1,296	31.9	Diseases of Heart.....	764	25.4
136	3.4	Diabetes Mellitus.....	119	3.9
117	2.9	Cerebrovascular Diseases.....	104	3.5
173	4.3	Human Immunodeficiency Virus (HIV) Disease.....	47	1.6
92	2.3	Chronic Lower Respiratory Diseases.....	85	2.8
110	2.7	Chronic Liver Disease and Cirrhosis.....	44	1.5
80	2.0	Influenza and Pneumonia.....	64	2.1
94	2.3	Accidents Except Poisoning by Psychoactive Substance.....	49	1.6
44	1.1	Nephritis, Nephrotic Syndrome and Nephrosis.....	48	1.6
617	15.2	All Other Causes.....	413	13.7
4,057	100.0	Total.....	3,013	100.0
65 TO 74 YEARS				
2,217	39.4	Diseases of Heart.....	1,633	34.5
1,788	31.8	Malignant Neoplasms.....	1,670	35.3
188	3.3	Diabetes Mellitus.....	224	4.7
220	3.9	Chronic Lower Respiratory Diseases.....	167	3.5
164	2.9	Cerebrovascular Diseases.....	184	3.9
155	2.8	Influenza and Pneumonia.....	143	3.0
99	1.8	Nephritis, Nephrotic Syndrome and Nephrosis.....	71	1.5
73	1.3	Accidents Except Poisoning by Psychoactive Substance.....	68	1.4
67	1.2	Essential Hypertension and Hypertensive Renal Disease.....	67	1.4
67	1.2	Septicemia.....	49	1.0
584	10.4	All Other Causes.....	452	9.6
5,622	100.0	Total.....	4,728	100.0
75 TO 84 YEARS				
3,246	45.5	Diseases of Heart.....	3,911	47.4
1,864	26.1	Malignant Neoplasms.....	1,956	23.7
359	5.0	Influenza and Pneumonia.....	370	4.5
234	3.3	Cerebrovascular Diseases.....	332	4.0
254	3.6	Chronic Lower Respiratory Diseases.....	281	3.4
187	2.6	Diabetes Mellitus.....	284	3.4
103	1.4	Essential Hypertension and Hypertensive Renal Disease.....	128	1.6
114	1.6	Nephritis, Nephrotic Syndrome and Nephrosis.....	113	1.4
94	1.3	Accidents Except Poisoning by Psychoactive Substance.....	95	1.2
86	1.2	Septicemia.....	99	1.2
590	8.3	All Other Causes.....	687	8.3
7,131	100.0	Total.....	8,256	100.0
85 AND OVER				
2,817	56.7	Diseases of Heart.....	6,764	61.9
753	15.2	Malignant Neoplasms.....	1,158	10.6
372	7.5	Influenza and Pneumonia.....	787	7.2
124	2.5	Cerebrovascular Diseases.....	376	3.4
158	3.2	Chronic Lower Respiratory Diseases.....	249	2.3
105	2.1	Diabetes Mellitus.....	231	2.1
70	1.4	Essential Hypertension and Hypertensive Renal Disease.....	162	1.5
89	1.8	Nephritis, Nephrotic Syndrome and Nephrosis.....	122	1.1
43	0.9	Septicemia.....	130	1.2
68	1.4	Accidents Except Poisoning by Psychoactive Substance.....	101	0.9
371	7.5	All Other Causes.....	854	7.8
4,970	100.0	Total.....	10,934	100.0

**Table 6. Leading Causes of Death* in Specified Ethnic Groups by Sex
New York City, 2001****

Males			Females	
Deaths	Percent		Deaths	Percent
PUERTO RICAN				
742	28.6	Diseases of Heart.	780	33.5
509	19.6	Malignant Neoplasms.	481	20.7
240	9.2	Human Immunodeficiency Virus (HIV) Disease.	129	5.5
103	4.0	Diabetes Mellitus.	125	5.4
92	3.5	Influenza and Pneumonia.	123	5.3
116	4.5	Use of or Poisoning by Psychoactive Substance.	41	1.8
70	2.7	Chronic Lower Respiratory Diseases.	80	3.4
72	2.8	Cerebrovascular Diseases.	78	3.4
96	3.7	Chronic Liver Disease and Cirrhosis.	33	1.4
56	2.2	Accidents Except Poisoning by Psychoactive Substance.	22	0.9
499	19.2	All Other Causes.	435	18.7
2,595	100.0	Total.	2,327	100.0
OTHER HISPANIC				
452	24.4	Diseases of Heart.	499	29.6
381	20.6	Malignant Neoplasms.	390	23.2
178	9.6	Accidents Except Poisoning by Psychoactive Substance.	147	8.7
66	3.6	Influenza and Pneumonia.	72	4.3
62	3.4	Cerebrovascular Diseases.	74	4.4
95	5.1	Human Immunodeficiency Virus (HIV) Disease.	26	1.5
92	5.0	Assault (Homicide).	17	1.0
54	2.9	Diabetes Mellitus.	51	3.0
66	3.6	Use of or Poisoning by Psychoactive Substance.	10	0.6
27	1.5	Essential Hypertension and Renal Diseases.	41	2.4
377	20.4	All Other Causes.	356	21.2
1,850	100.0	Total.	1,683	100.0
ASIAN AND PACIFIC ISLANDER				
437	31.6	Diseases of Heart.	369	35.3
411	29.7	Malignant Neoplasms.	294	28.1
65	4.7	Cerebrovascular Diseases.	71	6.8
64	4.6	Influenza and Pneumonia.	46	4.4
39	2.8	Diabetes Mellitus.	34	3.3
46	3.3	Chronic Lower Respiratory Diseases.	25	2.4
42	3.0	Accidents Except Poisoning by Psychoactive Substance.	21	2.0
18	1.3	Essential Hypertension and Hypertensive Renal Disease.	23	2.2
23	1.7	Septicemia.	15	1.4
21	1.5	Nephritis, Nephrotic Syndrome and Nephrosis.	15	1.4
216	15.6	All Other Causes.	132	12.6
1,382	100.0	Total.	1,045	100.0
NON - HISPANIC WHITE				
6,746	44.0	Diseases of Heart.	8,854	50.2
3,782	24.7	Malignant Neoplasms.	4,049	23.0
592	3.9	Influenza and Pneumonia.	871	4.9
436	2.8	Chronic Lower Respiratory Diseases.	539	3.1
344	2.2	Cerebrovascular Diseases.	551	3.1
301	2.0	Diabetes Mellitus.	301	1.7
340	2.2	Accidents Except Poisoning by Psychoactive Substance.	218	1.2
299	2.0	Use of or Poisoning by Psychoactive Substance.	64	0.4
197	1.3	Nephritis, Nephrotic Syndrome and Nephrosis.	161	0.9
219	1.4	Human Immunodeficiency Virus (HIV) Disease.	79	0.4
2,068	13.5	All Other Causes.	1,951	11.1
15,324	100.0	Total.	17,638	100.0
NON - HISPANIC BLACK				
2,110	29.2	Diseases of Heart.	2,922	35.5
1,619	22.4	Malignant Neoplasms.	1,948	23.7
552	7.6	Human Immunodeficiency Virus (HIV) Disease.	359	4.4
251	3.5	Diabetes Mellitus.	421	5.1
202	2.8	Cerebrovascular Diseases.	339	4.1
218	3.0	Influenza and Pneumonia.	316	3.8
207	2.9	Chronic Lower Respiratory Diseases.	175	2.1
286	4.0	Assault (Homicide).	75	0.9
147	2.0	Essential Hypertension and Hypertensive Renal Disease.	172	2.1
201	2.8	Accidents Except Poisoning by Psychoactive Substance.	112	1.4
1,423	19.7	All Other Causes.	1,382	16.8
7,216	100.0	Total.	8,221	100.0

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

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

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

**World Trade Center (WTC) disaster deaths are not included. See Special Section A and the Technical Notes for detailed statistics on WTC deaths and cause-of-death coding.

Table 8. Deaths and Death Rates per 100,000 Population from Selected Causes by Community District of Residence, New York City, 2001 (Continued)

Community District	Population 2000 Census	All Causes (Rate per 1,000)		Heart Diseases		Malignant Neoplasms		HIV Diseases		Influenza and Pneumonia		Cerebro-Vascular Diseases		Chronic Lower Respiratory Diseases		Chronic Liver Disease & Cirrhosis		Diabetes Mellitus		Mental Disorders due to Substance & Accidental Poisoning		Accidents** Except Drug Poisoning		Intentional Self-harm (Suicide)		Assault (Homicide)		Events of Undetermined Intent	
		No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Queens	2,229,379	14,269	6.4	6,901	309.5	3,192	143.2	201	9.0	453	20.3	396	17.8	382	17.1	115	5.2	369	16.6	121	5.4	287	12.9	92	4.1	86	3.9	37	1.7
01	211,220	1,117	5.3	510	241.5	279	132.1	16	7.6	29	13.7	38	18.0	33	15.6	7	3.3	26	12.3	13	6.2	23	10.9	12	5.7	7	3.3	2	0.9
02	109,920	597	5.4	254	231.1	150	136.5	10	9.1	26	23.7	21	19.1	20	18.2	8	7.3	11	10.0	5	4.5	19	17.3	4	3.6	1	0.9	1	0.9
03	169,083	849	5.0	378	223.6	181	107.0	14	8.3	38	22.5	27	16.0	20	11.8	10	5.9	21	12.4	10	5.9	24	14.2	7	4.1	7	4.1	1	0.6
04	167,005	680	4.1	292	174.8	170	101.8	13	7.8	19	11.4	21	12.6	17	10.2	8	4.8	13	7.8	3	1.8	16	9.6	3	1.8	10	6.0	5	3.0
05	165,911	1,234	7.4	588	354.4	283	170.6	10	6.0	36	21.7	32	19.3	36	21.7	11	6.6	25	15.1	14	8.4	29	17.5	7	4.2	4	2.4	3	1.8
06	115,967	991	8.5	519	447.5	243	209.5	3	2.6	39	33.6	18	15.5	20	17.2	4	3.4	13	11.2	5	4.3	15	12.9	8	6.9	-	-	3	2.6
07	242,952	1,752	7.2	942	387.7	392	161.3	9	3.7	38	15.6	59	24.3	55	22.6	14	5.8	32	13.2	16	6.6	26	10.7	10	4.1	5	2.1	5	2.1
08	146,594	990	6.8	479	326.8	224	152.8	11	7.5	33	22.5	27	18.4	27	18.4	4	2.7	34	23.2	5	3.4	17	11.6	5	3.4	1	0.7	3	2.0
09	141,608	739	5.2	330	233.0	157	110.9	14	9.9	20	14.1	25	17.7	22	15.5	8	5.6	24	16.9	9	6.4	19	13.4	6	4.2	6	4.2	2	1.4
10	127,274	761	6.0	345	271.1	191	150.1	12	9.4	23	18.1	24	18.9	14	11.0	12	9.4	23	18.1	5	3.9	15	11.8	2	1.6	9	7.1	1	0.8
11	116,404	763	6.6	413	354.8	176	151.2	2	1.7	28	24.1	16	13.7	22	18.9	1	0.9	14	12.0	6	5.2	8	6.9	4	3.4	1	0.9	-	-
12	223,602	1,554	6.9	670	299.6	308	137.7	51	22.8	40	17.9	45	20.1	35	15.7	17	7.6	75	33.5	14	6.3	36	16.1	7	3.1	19	8.5	3	1.3
13	196,284	1,010	5.1	439	223.7	257	130.9	15	7.6	44	22.4	27	13.8	23	11.7	6	3.1	28	14.3	6	3.1	13	6.6	13	6.6	7	3.6	5	2.5
14	106,686	1,226	11.5	741	694.6	179	167.8	21	19.7	40	37.5	16	15.0	37	34.7	5	4.7	30	28.1	10	9.4	26	24.4	4	3.7	9	8.4	3	2.8
Staten Island	443,728	3,423	7.7	1,638	369.1	787	177.4	41	9.2	175	39.4	83	18.7	129	29.1	18	4.1	107	24.1	34	7.7	54	12.2	25	5.6	17	3.8	4	0.9
01	162,609	1,340	8.2	598	367.8	322	198.0	31	19.1	67	41.2	29	17.8	44	27.1	9	5.5	46	28.3	20	12.3	18	11.1	7	4.3	10	6.1	2	1.2
02	127,071	1,161	9.1	603	474.5	237	186.5	5	3.9	66	51.9	25	19.7	54	42.5	5	3.9	33	26.0	5	3.9	19	15.0	11	8.7	4	3.1	1	0.8
03	152,908	922	6.0	437	285.8	228	149.1	5	3.3	42	27.5	29	19.0	31	20.3	4	2.6	28	18.3	9	5.9	17	11.1	7	4.6	3	2.0	1	0.7

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.

* World Trade Center (WTC) disaster deaths are not included. See the Special Section A and Technical Notes for detailed statistics on WTC deaths and cause-of-death coding.

** 265 deaths from flight 587 air crash on November 12, 2001 are included in accidental deaths. See detail in Special Section B.

Table 9.

**Deaths by Place of Death
New York City, 1991 - 2001**

Place of Death	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001*
Home.....	13,271	13,293	13,943	12,822	12,973	12,197	11,800	11,647	11,911	11,163	11,150
Hospital											
Voluntary.....	39,503	39,009	39,682	39,103	39,609	37,288	34,612	33,911	34,825	34,208	33,418
Proprietary.....	2,710	2,610	2,638	2,520	1,928	1,837	1,672	1,460	1,198	842	845
Municipal.....	9,376	8,517	8,845	8,231	7,710	7,046	6,158	5,716	5,784	5,598	5,534
Other Government.....	1,223	1,254	1,213	1,172	1,053	959	925	812	847	866	790
Nursing Home.....	3,791	3,848	4,564	5,110	5,551	5,753	5,746	5,880	6,475	6,632	6,621
Other Specified Place.....	2,547	2,468	2,516	2,080	1,945	1,704	1,593	1,584	1,430	1,530	1,860
Total.....	72,421	71,001	73,408	71,038	70,769	66,784	62,506	61,010	62,470	60,839	60,218

* World Trade Center disaster deaths are not included.

Table 10.

**Deaths by Decedent Ancestry and Borough of Residence
New York City, 2001***

Ancestry	Total	Borough of Residence					Non-Residents	Residence Unknown
		Manhattan	Bronx	Brooklyn	Queens	Staten Island		
Puerto Rican.....	4,922	1,048	1,944	1,296	413	78	130	13
Dominican.....	1,241	482	356	192	132	7	71	1
Colombian.....	223	14	9	16	163	4	17	-
Ecuadorian.....	287	49	56	50	117	3	9	3
Mexican.....	177	42	36	41	42	6	9	1
Cuban.....	430	127	86	43	135	6	33	-
Other Hispanic.....	1,175	175	252	345	294	34	53	22
African-American.....	12,452	2,625	2,640	4,195	2,304	240	400	48
American.....	13,778	3,061	1,571	3,265	3,216	1,261	1,375	29
Guyanese.....	513	5	48	214	234	1	11	-
Haitian.....	593	36	10	383	136	2	25	1
Jamaican.....	623	23	175	321	70	6	28	-
Trinidadian.....	295	13	20	184	57	2	18	1
All Other North, Central and South American	963	91	166	454	174	17	55	6
English.....	299	79	22	32	77	53	35	1
German.....	1,477	308	163	140	651	81	130	4
Irish.....	2,613	293	412	418	933	278	278	1
Italian.....	6,256	398	756	1,993	1,661	952	489	7
Polish.....	1,457	198	168	508	416	78	88	1
Russian.....	1,378	140	113	771	292	16	45	1
Other European.....	2,957	455	252	924	1,028	136	158	4
Asian Indian.....	222	16	12	22	118	11	39	4
Bangladeshi.....	60	3	4	18	32	1	2	-
Chinese.....	1,381	478	32	352	430	32	55	2
Filipino.....	177	16	10	23	90	20	18	-
Korean.....	221	11	8	16	164	4	17	1
Pakistani.....	75	5	6	23	28	3	9	1
Other Asian.....	392	74	42	117	108	8	40	3
Jewish or Hebrew.....	1,597	170	124	774	366	20	140	3
Other & Not Stated.....	1,984	408	363	433	388	63	107	222
Total.....	60,218	10,843	9,856	17,563	14,269	3,423	3,884	380

* See the Technical Notes for a discussion of race and ancestry. World Trade Center disaster deaths are not included. See Special Section A for WTC deaths.

Table 11.

**Selected Characteristics of Deaths Due to Fatal Occupational Injuries
New York City, 2001****

Characteristic	All Deaths	Sex		Age Group				
		Male	Female	< 25	25-34	35-44	45-54	55+
Selected Events								
Transportation incident.....	39	29	10	3	7	7	15	7
Assaults and violent acts.....	27	25	2	5	4	4	6	8
Homicide.....	19	17	2	4	2	4	3	6
Shooting.....	11	9	2	1	2	2	2	4
Falls.....	13	13	0	2	1	2	7	1
Selected Industries								
Construction.....	20	20	0	4	3	7	5	1
Taxicabs.....	4	3	1	2	1	0	0	1
Grocery stores.....	0	0	0	0	0	0	0	0
Eating and drinking places.....	5	5	0	3	1	1	0	0
Police and fire protection.....	5	5	0	0	0	2	2	1
Race / Ethnicity								
White.....	36	31	5	3	4	10	13	6
Black.....	14	10	4	1	2	4	4	3
Hispanic.....	38	35	3	7	10	7	8	6
Asian.....	11	11	0	2	0	2	5	2
Total *.....	100	88	12	13	16	23	31	17

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

** World Trade Center (WTC) disaster deaths are not included. See Special Section A for WTC deaths.

Table 12.

**Deaths by Decedent Birthplace and Borough of Residence
New York City, 2001***

Birthplace	Total	Borough of Residence					Non-Residents	Residence Unknown
		Manhattan	Bronx	Brooklyn	Queens	Staten Island		
Bangladesh	57	3	6	17	28	1	2	-
China	1,227	445	25	313	370	28	44	2
Colombia	228	17	9	17	163	5	16	1
Cuba	452	136	84	49	142	6	35	-
Dominican Republic	1,214	467	351	192	134	6	63	1
Ecuador	293	50	57	51	120	4	8	3
El Salvador	61	8	8	15	24	-	6	-
Germany	649	220	77	68	235	9	37	3
Guyana	630	13	73	261	265	1	17	-
Haiti	614	38	9	398	138	3	27	1
Honduras	112	20	38	28	15	6	5	-
India	188	12	8	17	103	12	36	-
Ireland	488	61	140	71	164	18	33	1
Israel	83	6	1	46	15	3	10	2
Italy	1,516	75	222	518	433	165	101	2
Jamaica	1,010	66	255	422	206	10	50	1
Korea	222	12	8	16	162	4	19	1
Mexico	165	40	33	40	39	6	6	1
Pakistan	69	6	6	20	26	2	8	1
Philippines	188	18	9	24	95	21	21	-
Poland	1,196	166	148	511	291	25	54	1
Puerto Rico	4,281	924	1,744	1,097	341	63	102	10
Russia	1,104	100	117	561	270	18	37	1
Trinidad and Tobago	437	32	34	248	93	3	25	2
Ukraine	804	39	26	623	88	15	12	1
United States	36,172	6,642	5,420	9,902	8,569	2,769	2,775	95
Other & Not Stated	6,758	1,227	948	2,038	1,740	220	335	250
Total	60,218	10,843	9,856	17,563	14,269	3,423	3,884	380

* World Trade Center (WTC) disaster deaths are not included. See Special Section A for WTC deaths.

Table 13.

**Deaths by Decedent Birthplace and Age
New York City, 2001***

Birthplace	Total	Age									Unknown
		< 15	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+	
Bangladesh	57	1	4	3	9	14	8	11	6	1	-
China	1,227	4	6	8	29	71	116	263	394	336	-
Colombia	228	1	8	5	27	27	44	44	52	20	-
Cuba	452	-	-	-	8	28	41	99	143	133	-
Dominican Republic	1,214	7	40	66	140	171	188	255	211	136	-
Ecuador	293	2	9	11	46	29	43	62	45	46	-
El Salvador	61	-	4	9	10	11	8	11	6	2	-
Germany	649	-	-	2	3	24	27	64	146	383	-
Guyana	630	-	5	21	49	86	97	140	164	68	-
Haiti	614	-	11	24	42	71	97	144	127	98	-
Honduras	112	1	-	8	12	20	17	21	19	14	-
India	188	-	2	12	13	32	43	42	36	8	-
Ireland	488	-	3	2	4	1	24	86	108	260	-
Israel	83	-	3	3	5	11	16	18	17	10	-
Italy	1,516	-	-	3	10	36	101	218	368	780	-
Jamaica	1,010	4	19	36	71	111	153	188	221	207	-
Korea	222	1	1	8	6	23	35	43	62	43	-
Mexico	165	1	37	37	28	17	12	12	10	11	-
Pakistan	69	-	2	2	8	16	17	12	10	2	-
Philippines	188	1	1	7	8	15	36	35	57	28	-
Poland	1,196	-	3	7	9	46	45	90	300	696	-
Puerto Rico	4,281	2	14	55	207	529	806	923	1,004	741	-
Russia	1,104	1	7	13	12	52	71	129	251	568	-
Trinidad and Tobago	437	1	8	25	31	45	99	101	74	53	-
Ukraine	804	1	2	9	7	32	59	139	270	285	-
United States	36,172	1,038	466	755	1,912	3,307	4,084	6,069	9,664	8,877	-
Other & Not Stated	6,758	19	47	155	314	573	783	1,131	1,622	2,098	16
Total	60,218	1,085	702	1,286	3,020	5,398	7,070	10,350	15,387	15,904	16

* World Trade Center (WTC) disaster deaths are not included. See Special Section A for WTC deaths.

DEATHS DUE TO EXTERNAL CAUSES* BY AGE AND SEX, NEW YORK CITY, 2001**

Table 14. Accidents

Type	All Ages	0-4		5-9		10-14		15-19		20-24		25-34		35-44		45-54		55-64		65-74		75+	
		Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
Total	1,380	28	12	12	6	11	12	25	16	51	20	113	40	142	50	131	65	94	50	74	68	162	198
Motor Vehicle																							
Injury to pedestrian	205	5	-	-	1	1	4	7	7	7	3	10	3	25	6	20	7	11	5	13	17	21	32
Injury to pedal cyclist	8	-	-	-	-	1	-	1	-	-	-	2	1	2	-	1	-	-	-	-	-	-	-
Injury to occupant	72	-	-	-	-	-	-	2	1	8	1	28	3	11	1	6	3	1	1	2	1	1	2
Other motor vehicle accidents	117	-	-	1	-	-	-	4	1	21	3	20	4	13	3	11	2	10	5	5	3	6	5
Railway (includes subway)	15	-	-	-	-	-	-	-	-	-	-	2	-	3	2	2	-	4	-	1	-	1	-
Other land transport accidents	10	-	-	-	-	-	-	1	-	-	-	1	-	-	-	2	-	4	-	2	-	-	-
Air and space transport accidents***	265	11	6	3	2	1	3	2	2	3	7	14	20	36	26	25	35	14	21	10	11	8	5
Other transport accidents	11	-	-	-	-	-	-	-	-	-	-	4	1	1	-	1	-	2	-	1	-	1	-
Fall	417	1	-	2	1	3	-	4	-	7	1	17	2	21	1	34	6	32	10	24	22	105	124
Firearm discharge	4	2	-	-	-	-	-	-	-	1	-	-	-	1	-	-	-	-	-	-	-	-	-
Drowning and submersion	12	-	-	1	-	1	3	-	1	-	-	1	-	1	2	-	-	2	-	-	-	-	-
Smoke, fire and flames	99	3	3	3	2	3	1	1	3	1	3	2	3	7	4	6	5	6	4	7	7	12	13
Poisoning by noxious substances	31	-	-	-	-	-	-	2	-	-	2	4	1	2	3	6	5	-	1	2	-	1	2
Exposure to excessive natural heat	13	-	1	-	-	-	-	-	-	-	-	1	1	3	-	1	-	1	1	-	1	-	3
Exposure to excessive natural cold	12	-	-	-	-	-	-	-	-	-	-	-	-	1	-	2	-	2	-	3	1	1	2
Other nontransport accidents	89	6	2	2	-	1	1	1	1	3	-	7	-	16	2	14	2	5	2	4	5	5	10

*** Deaths from Flight 587 crash on November 12, 2001 in Rockaway, Queens. See Special Section B for the detailed information.

Table 15. Intentional Self-harm (Suicide)

Method	All Ages	0-4		5-9		10-14		15-19		20-24		25-34		35-44		45-54		55-64		65-74		75+	
		Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
Total	462	-	-	-	-	2	2	10	7	32	8	73	18	74	21	59	26	37	15	30	11	25	12
Poisoning by noxious substances	83	-	-	-	-	-	-	-	2	1	-	6	7	14	7	9	9	6	6	4	4	4	4
Hanging, strangulation and suffocation	125	-	-	-	-	-	1	5	2	9	4	16	2	21	8	15	3	12	4	9	2	9	3
Drowning and submersion	23	-	-	-	-	-	1	1	1	5	1	1	1	2	2	4	1	-	-	1	-	2	-
Firearm discharge	84	-	-	-	-	-	-	4	1	9	-	24	1	12	-	13	1	10	1	6	-	2	-
Sharp or blunt object	17	-	-	-	-	-	-	-	-	1	2	-	3	-	6	-	2	-	1	-	-	2	-
Jumping from high place	107	-	-	-	-	1	-	1	7	2	19	6	20	3	5	11	6	4	8	5	5	5	4
Jumping or lying before moving object	18	-	-	-	-	1	-	-	1	-	4	1	1	1	6	1	-	-	1	-	-	-	1
Other and unspecified means	5	-	-	-	-	-	-	-	-	-	-	1	-	1	-	1	-	1	-	-	-	1	-
Sequelae (Late effects)	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Continued on next page.

DEATHS DUE TO EXTERNAL CAUSES* BY AGE AND SEX, NEW YORK CITY, 2001 (CONTINUED)**

Table 16. Assault (Homicide) and Legal Intervention

Method	All Ages	0-4		5-9		10-14		15-19		20-24		25-34		35-44		45-54		55-64		65-74		75+		Unknown	
		Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
Total	678	11	12	1	3	1	2	71	8	121	14	164	32	82	36	51	11	20	13	10	5	5	4	1	-
Poisoning by noxious substances	3	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	1	-	-	-	-	-	-	-
Hanging, strangulation and suffocation	34	1	4	-	-	1	1	-	1	-	2	-	5	2	6	2	3	1	2	1	1	-	-	1	-
Drowning and submersion	4	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Firearm discharge	370	-	1	1	1	-	1	53	7	92	7	117	10	48	8	12	2	4	2	4	4	-	-	-	-
Smoke, fire and flames	3	-	-	-	-	-	-	-	-	-	-	2	-	-	-	1	-	-	-	-	-	-	-	-	-
Sharp or blunt object	182	5	1	-	-	-	-	16	-	24	4	29	11	22	19	22	5	8	6	2	2	3	3	-	-
Pushing from high place	2	-	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-
Bodily force	9	-	-	-	-	-	-	-	-	-	-	1	-	2	-	2	-	2	-	1	-	1	-	-	-
Neglect, abandonment & other maltreatment	6	2	3	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthrax	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
Other and unspecified means	43	1	1	-	1	-	-	1	-	4	1	6	5	5	2	7	1	3	1	-	2	1	1	-	-
Sequelae (Late effects)	13	-	-	-	-	-	-	-	-	-	-	5	-	2	-	3	-	1	-	2	-	-	-	-	-
Legal intervention, all	8	-	-	-	-	-	-	1	-	1	-	3	-	1	-	1	-	1	-	-	-	-	-	-	-

Note: Legal intervention includes 8 deaths from firearm discharge.

Table 17. Events of Undetermined Intent

Method	All Ages	0-4		5-9		10-14		15-19		20-24		25-34		35-44		45-54		55-64		65-74		75+		Unknown	
		Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
Total	206	15	11	0	0	1	0	1	1	6	2	19	2	28	11	30	11	22	10	10	4	7	8	5	2
Poisoning by noxious substances	22	-	-	-	-	-	-	1	-	1	3	1	2	5	4	1	1	1	1	1	1	-	-	-	-
Hanging, strangulation and suffocation	2	1	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Drowning and submersion	16	-	3	-	-	-	-	-	-	1	-	2	-	3	-	2	-	3	1	1	-	-	-	-	-
Firearm discharge	3	-	-	-	-	-	-	-	-	1	-	-	-	1	-	-	-	1	-	-	-	-	-	-	-
Smoke, fire and flames	3	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	1	-	-	-
Sharp or blunt object	4	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	2	-	1	-	-	-	-	-
Falling from high place	5	-	-	-	-	-	-	-	-	-	1	-	-	-	1	1	-	-	-	1	1	-	-	-	-
Other and unspecified means	150	14	8	-	-	1	-	1	-	3	1	12	1	23	5	22	8	14	8	7	2	5	8	5	2
Sequelae (Late effects)	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-

Table 18. Complications of Medical and Surgical Care

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

Table 19. Firearms (All Causes)

Method	All Ages	0-4		5-9		10-14		15-19		20-24		25-34		35-44		45-54		55-64		65-74		75+		Unknown	
		Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
Firearms (all causes)	469	2	1	1	1	-	1	58	8	104	7	144	12	61	9	26	3	16	3	10	-	2	-	-	-

* Beginning January 1, 1999 all causes were coded using ICD-10. See Technical Notes for detailed descriptions of ICD-10. ** World Trade Center disaster deaths are not included.

Table 20.

Deaths from HIV Disease by Sex, Age, and Ethnic Group,

AGE GROUP/ETHNIC GROUP	ALL											1983-1991	1992	1993
	1983-1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001			
ALL AGES Total	26,781	5,789	6,120	7,102	7,046	4,998	2,625	1,978	2,020	1,961	1,774	22,243	4,567	4,746
Puerto Rican	4,556	897	963	1,474	1,514	1,105	571	381	404	413	369	3,599	679	695
Other Hispanic	2,430	660	718	550	584	368	187	150	137	166	121	2,096	543	586
Asian & Pacific Islander	196	33	30	36	54	27	20	12	13	13	8	180	29	23
Other White	8,370	1,581	1,495	1,738	1,732	1,088	466	363	341	303	298	7,715	1,407	1,318
Other Black	9,390	2,129	2,371	3,124	3,041	2,303	1,331	1,013	1,032	1,008	911	7,140	1,526	1,698
Other & Unknown	1,839	489	543	180	121	107	50	59	93	58	67	1,513	383	426
UNDER 1 Total	201	15	26	31	14	13	5	2	1	3	1	102	7	13
Puerto Rican	33	1	2	5	-	1	-	-	-	-	-	21	-	1
Other Hispanic	20	3	4	-	1	-	-	-	-	-	1	11	1	2
Asian & Pacific Islander	1	-	-	-	-	-	-	-	-	-	-	1	-	-
Other White	28	-	3	8	3	5	-	1	-	-	-	18	-	2
Other Black	105	10	17	16	9	6	5	1	1	3	-	45	6	8
Other & Unknown	14	1	-	2	1	1	-	-	-	-	-	6	-	-
1-14 Total	397	75	82	96	113	92	36	15	18	7	6	205	42	37
Puerto Rican	79	9	12	19	20	16	8	3	-	1	-	39	6	5
Other Hispanic	40	14	14	8	8	7	3	-	3	-	-	20	10	7
Asian & Pacific Islander	3	1	-	1	1	-	-	-	-	-	-	2	-	-
Other White	53	12	5	15	34	21	3	3	4	2	1	24	8	4
Other Black	199	30	45	51	49	45	21	9	11	3	5	114	12	18
Other & Unknown	23	9	6	2	1	3	1	-	-	1	-	6	6	3
15-24 Total	570	68	78	92	72	33	23	20	21	22	24	380	39	46
Puerto Rican	142	18	8	19	16	9	5	2	2	2	3	92	13	2
Other Hispanic	64	5	14	12	9	5	2	1	1	2	2	50	4	10
Asian & Pacific Islander	2	1	-	1	2	-	-	-	-	-	-	1	-	-
Other White	95	12	11	11	13	4	2	2	1	1	1	70	4	6
Other Black	221	31	37	48	30	12	13	13	17	17	18	139	17	23
Other & Unknown	46	1	8	1	2	3	1	2	-	-	-	28	1	5
25-34 Total	8,396	1,390	1,400	1,514	1,538	936	434	314	252	233	194	6,516	1,008	1,014
Puerto Rican	1,755	252	241	336	367	220	95	55	56	55	31	1,324	169	169
Other Hispanic	813	198	250	139	134	77	38	31	23	29	20	677	145	199
Asian & Pacific Islander	40	3	8	7	16	5	5	2	2	1	1	36	2	6
Other White	2,277	331	294	364	366	180	78	52	32	21	17	1,995	281	250
Other Black	2,959	487	491	640	634	442	210	166	132	120	117	2,055	326	305
Other & Unknown	552	119	116	28	21	12	8	8	7	7	8	429	85	85
35-44 Total	11,292	2,672	2,790	3,238	3,119	2,134	1,099	778	767	695	638	9,688	2,138	2,154
Puerto Rican	1,825	404	422	676	647	448	253	151	167	152	142	1,506	319	300
Other Hispanic	953	260	284	224	241	152	79	69	58	60	40	846	223	238
Asian & Pacific Islander	93	13	12	14	14	10	7	3	3	6	4	89	13	9
Other White	3,591	746	713	835	812	496	216	160	152	121	118	3,372	673	622
Other Black	4,068	1,024	1,113	1,402	1,356	988	527	375	353	339	309	3,229	737	794
Other & Unknown	762	225	246	87	49	40	17	20	34	17	25	646	173	191
45-54 Total	4,229	1,124	1,260	1,543	1,599	1,313	734	595	669	706	629	3,841	959	1,066
Puerto Rican	562	164	209	323	347	306	156	119	133	140	133	481	134	167
Other Hispanic	397	131	98	106	123	79	45	33	29	55	32	365	115	83
Asian & Pacific Islander	37	13	10	10	14	6	4	4	2	3	1	36	12	8
Other White	1,597	348	336	360	369	293	127	112	111	117	109	1,549	320	311
Other Black	1,319	372	485	702	705	594	385	307	357	367	329	1,127	289	395
Other & Unknown	317	96	122	42	41	35	17	20	37	24	25	283	89	102
55 & OVER Total	1,696	445	484	588	591	477	294	254	292	295	282	1,511	374	416
Puerto Rican	160	49	69	96	117	105	54	51	46	63	60	136	38	51
Other Hispanic	143	49	54	61	68	48	20	16	23	20	26	127	45	47
Asian & Pacific Islander	20	2	-	3	7	6	4	3	6	3	2	15	2	-
Other White	729	132	133	145	135	89	40	33	41	41	52	687	121	123
Other Black	519	175	183	265	258	216	170	142	161	159	133	431	139	155
Other & Unknown	125	38	45	18	6	13	6	9	15	9	9	115	29	40

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.

New York City, 1983-2001*

MALE								FEMALE											
1994	1995	1996	1997	1998	1999	2000	2001	1983-1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	
5,267	5,240	3,616	1,850	1,358	1,372	1,333	1,166	4,538	1,222	1,374	1,835	1,806	1,382	775	620	648	628	608	
1,075	1,082	784	401	253	265	285	240	957	218	268	399	432	321	170	128	139	128	129	
441	473	290	154	114	98	123	95	334	117	132	109	111	78	33	36	39	43	26	
31	52	23	16	10	11	11	7	16	4	7	5	2	4	4	2	2	2	1	
1,449	1,452	888	369	285	247	236	219	655	174	177	289	280	200	97	78	94	67	79	
2,133	2,083	1,543	874	651	674	629	552	2,250	603	673	991	958	760	457	362	358	379	359	
138	98	88	36	45	77	49	53	326	106	117	42	23	19	14	14	16	9	14	
11	12	7	2	1	1	1	1	99	8	13	20	2	6	3	1	-	2	-	
2	-	-	-	-	-	-	-	12	1	1	3	-	1	-	-	-	-	-	
-	1	-	-	-	-	-	1	9	2	2	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	0	-	-	-	-	-	-	-	-	-	-	
3	3	4	-	1	-	-	-	10	-	1	5	-	1	-	-	-	-	-	
6	7	2	2	-	1	1	-	60	4	9	10	2	4	3	1	-	2	-	
-	1	1	-	-	-	-	-	8	1	-	2	-	-	-	-	-	-	-	
51	53	48	20	7	10	3	2	192	33	45	45	60	44	16	8	8	4	4	
13	9	9	5	2	-	-	-	40	3	7	6	11	7	3	1	-	1	-	
5	4	2	2	-	2	-	-	20	4	7	3	4	5	1	-	1	-	-	
1	-	-	-	-	-	-	-	1	1	-	-	1	-	-	-	-	-	-	
6	19	13	2	1	2	2	1	29	4	1	9	15	8	1	2	2	-	-	
25	21	22	10	4	6	1	1	85	18	27	26	28	23	11	5	5	2	4	
1	-	2	1	-	-	-	-	17	3	3	1	1	1	-	-	-	1	-	
53	38	15	12	8	7	8	9	190	29	32	39	34	18	11	12	14	14	15	
9	7	3	3	-	-	1	-	50	5	6	10	9	6	2	2	2	1	3	
8	5	2	2	1	-	-	1	14	1	4	4	4	3	-	-	1	2	1	
1	2	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	
8	8	3	2	1	-	-	-	25	8	5	3	5	1	-	1	1	1	1	
27	15	6	5	5	7	7	8	82	14	14	21	15	6	8	8	10	10	10	
-	1	1	-	1	-	-	-	18	-	3	1	1	2	1	1	-	-	-	
1,002	1,028	619	277	183	151	133	102	1,880	382	386	512	510	317	157	131	101	100	92	
215	237	148	61	29	34	30	15	431	83	72	121	130	72	34	26	22	25	16	
109	110	56	28	19	15	23	17	136	53	51	30	24	21	10	12	8	6	3	
5	16	3	5	1	1	-	1	4	1	2	2	-	2	-	1	1	1	-	
279	282	125	56	38	20	13	8	282	50	44	85	84	55	22	14	12	8	9	
377	366	276	122	90	76	62	58	904	161	186	263	268	166	88	76	56	58	59	
17	17	11	5	6	5	5	3	123	34	31	11	4	1	3	2	2	2	5	
2,408	2,308	1,517	754	498	489	456	387	1,604	534	636	830	811	617	345	280	278	239	251	
513	466	318	175	100	103	103	84	319	85	122	163	181	130	78	51	64	49	58	
179	192	121	63	52	42	40	27	107	37	46	45	49	31	16	17	16	20	13	
12	14	9	6	3	3	6	4	4	-	3	2	-	1	1	-	-	-	-	
696	682	396	165	118	104	95	80	219	73	91	139	130	100	51	42	48	26	38	
939	917	646	336	211	209	198	171	839	287	319	463	439	342	191	164	144	141	138	
69	37	27	9	14	28	14	21	116	52	55	18	12	13	8	6	6	3	4	
1,255	1,312	1,019	549	461	474	499	443	388	165	194	288	287	294	185	134	195	207	186	
249	269	229	120	83	88	102	98	81	30	42	74	78	77	36	36	45	38	35	
91	101	67	42	28	22	44	27	32	16	15	15	22	12	3	5	7	11	5	
9	14	5	3	4	2	3	-	1	1	2	1	-	1	1	-	-	-	1	
325	337	264	107	99	82	94	86	48	28	25	35	32	29	20	13	29	23	23	
547	552	421	262	230	250	234	211	192	83	90	155	153	173	123	77	107	133	118	
34	39	33	15	17	30	22	21	34	7	20	8	2	2	2	3	7	2	4	
487	489	391	236	200	240	233	222	185	71	68	101	102	86	58	54	52	62	60	
74	94	77	37	39	40	49	43	24	11	18	22	23	28	17	12	6	14	17	
49	60	42	17	14	17	16	22	16	4	7	12	8	6	3	2	6	4	4	
3	6	6	2	2	5	2	2	5	-	-	-	1	-	2	1	1	1	-	
132	121	83	37	27	39	32	44	42	11	10	13	14	6	3	6	2	9	8	
212	205	170	137	111	125	126	103	88	36	28	53	53	46	33	31	36	33	30	
17	3	13	6	7	14	8	8	10	9	5	1	3	-	-	2	1	1	1	

Table 21. Characteristics of Decedents with Selected Causes of Death*, New York City, 2001

Cause of Death	Total	Percent of Total Deaths with Specified Characteristics									
		Ethnic Group						Male	Never Married	Age Under 20	Age 65 or Over
		Puerto Rican	Other Hispanic	Asian	Non-H White	Non-H Black	Other & Unknown				
All Causes.....	60,218	8.2	5.9	4.0	54.7	25.6	1.6	48.0	22.7	2.2	69.2
HIV Disease.....	1,774	20.8	6.8	0.5	16.8	51.4	3.8	65.7	63.6	1.1	3.5
Cancer of Trachea, Bronchus and Lung, Male.....	1,746	6.7	4.8	5.9	58.4	23.2	1.0	100.0	16.4	0.1	64.6
Cancer of Trachea, Bronchus and Lung, Female.....	1,426	5.8	2.9	3.9	63.2	23.4	0.9	0.0	15.7	0.0	68.7
Chronic Liver Disease & Cirrhosis.....	578	22.3	10.4	4.5	35.8	24.9	2.1	67.5	32.2	0.0	32.0
Use Accidental Poisoning Psychoactive Substance.....	909	17.3	8.4	0.9	39.9	30.5	3.1	77.9	56.1	1.3	1.2
Motor Vehicle Accidents.....	402	5.7	12.7	7.2	45.5	27.1	1.7	68.9	46.3	9.0	26.9
Other Accidents.....	956	5.8	28.7	3.6	39.2	21.3	1.5	57.8	32.9	8.9	40.9
Intentional Self-harm (Suicide).....	462	7.1	8.2	6.9	57.1	18.6	1.9	74.0	50.2	4.5	16.9
Assault (Homicide).....	678	9.4	16.1	3.7	13.9	53.8	3.1	79.4	71.1	16.2	3.5
Events of Undetermined Intent.....	206	10.2	8.7	4.4	40.8	27.7	8.3	69.9	56.8	17.5	14.1
All Other Causes.....	51,081	7.6	5.2	4.1	57.1	24.6	1.4	45.1	19.6	2.0	75.7

* World Trade Center (WTC) disaster deaths are not included. See Special Section A for WTC deaths. Beginning January 1, 1999 all causes were coded using ICD-10. See the Special Note on Cause-of-Death Coding.

Table 22. Life Expectancy at Specified Ages by Sex and Ethnic Group, New York City, 1990 and 2000

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

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

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

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

Table 23.

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

Age	1909-1911		1919-1920		1929-1931		1939-1941		1949-1951		1959-1961		1969-1971		1979-1981		1989-1991		1999-2001*	
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
0-4	50.2	43.2	32.4	26.5	19.4	15.4	11.3	8.8	7.6	6.0	8.2	6.4	6.6	5.3	4.1	3.4	3.8	3.1	1.9	1.5
5-9	4.2	3.9	3.8	3.1	2.5	2.0	1.0	0.8	0.6	0.5	0.7	0.5	0.6	0.4	0.4	0.2	0.2	0.2	0.2	0.1
10-14	2.4	2.3	2.4	2.2	1.7	1.3	0.9	0.7	0.6	0.4	0.5	0.3	0.5	0.3	0.3	0.2	0.3	0.2	0.2	0.2
15-19	3.9	3.1	4.0	3.7	2.6	2.2	1.3	1.1	0.9	0.6	0.9	0.5	1.8	0.7	1.3	0.5	1.7	0.4	0.7	0.3
20-24	5.3	4.6	5.8	5.4	3.4	3.2	1.7	1.6	1.3	0.9	1.5	0.7	2.9	0.9	2.4	0.7	2.5	0.7	1.2	0.4
25-29	6.9	5.9	6.5	6.9	3.8	3.4	2.2	2.0	1.4	1.2	1.7	1.0	2.8	1.1	2.7	0.8	3.2	1.0	1.2	0.5
30-34	9.6	7.6	7.7	7.0	5.1	4.1	3.1	2.4	2.0	1.6	2.4	1.6	3.3	1.7	3.1	1.1	5.0	1.8	1.6	0.8
35-39	13.0	9.3	9.2	7.3	7.0	5.0	4.5	3.2	3.2	2.2	3.5	2.3	4.8	2.5	3.7	1.6	7.4	2.4	2.4	1.4
40-44	16.5	11.2	10.9	9.0	10.1	6.9	7.0	4.8	5.5	3.6	5.6	3.5	6.7	3.6	5.2	2.5	8.4	2.6	3.9	2.1
45-49	20.8	14.3	15.2	12.1	14.8	10.5	11.7	7.4	8.9	5.3	8.6	5.0	9.5	5.3	7.8	3.9	9.0	3.5	6.1	3.1
50-54	26.5	19.1	20.6	16.3	22.0	15.0	17.2	11.5	14.5	8.3	13.7	7.2	13.5	7.3	11.0	5.8	11.1	5.3	8.1	4.2
55-59	37.0	28.8	30.1	24.8	32.0	23.4	25.9	17.5	22.6	12.8	19.7	9.8	19.8	9.9	15.6	8.4	14.5	7.6	11.2	6.3
60-64	51.4	44.1	40.8	33.8	44.7	35.3	37.9	26.8	32.9	20.5	30.0	15.8	28.3	13.4	23.2	12.7	20.1	11.6	15.6	9.4
65-69	68.5	58.9	60.1	55.0	62.0	50.2	55.0	40.8	46.2	29.7	43.4	24.2	41.1	20.3	33.4	17.8	28.5	16.9	23.5	14.5
70-74	89.6	81.2	85.1	79.5	84.3	73.3	78.9	62.5	68.0	49.7	61.1	40.7	57.3	32.6	49.9	27.3	41.9	25.3	34.4	21.2
75-79	127.3	114.4	116.2	107.6	120.7	109.2	111.4	93.3	95.9	77.0	87.7	65.6	83.1	55.3	71.0	42.7	60.6	37.8	52.3	33.9
80-84	167.4	159.6	162.6	143.6	170.9	151.2	149.8	141.5	134.0	121.2	138.9	117.1	120.3	91.7	109.9	75.9	95.9	62.1	80.6	55.3
85 & Over	257.4	232.3	224.8	210.2	242.8	227.5	230.5	222.2	202.8	183.8	206.6	198.3	167.0	155.6	185.2	154.2	169.6	142.9	150.9	130.2

Note: Rates for 1979-1981, 1989-1991, and 1999-2001 are based on deaths to New York City residents only, regardless of place of occurrence, while those for previous years included all events in New York City, regardless of the residence of the decedents. See Technical Notes.

* WTC deaths are not included.

Table 24.

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

Cause of Death	1901-1903	1909-1911	1919-1920	1929-1931	1939-1941	1949-1951	1959-1961	1969-1971	1979-1981	1989-1991	1999-2001**
All causes	2,324.2	1,934.1	1,691.4	1,449.0	1,128.1	885.8	813.3	771.1	549.3	606.6	799.6
Influenza and pneumonia	302.8	260.8	301.7	178.6	60.3	30.7	36.4	29.0	15.2	22.2	33.2
Malignant neoplasms	116.8	124.8	134.3	156.0	176.9	170.6	162.9	161.2	126.0	128.0	178.4
Colon, rectum and anus	*	*	*	*	*	*	*	*	*	*	21.3
Trachea, bronchus and lung	*	*	*	*	*	*	*	*	*	*	40.8
Breast	*	*	*	*	*	*	*	*	*	*	16.7
Prostate	*	*	*	*	*	*	*	*	*	*	10.7
Diabetes mellitus	23.3	25.4	26.5	35.8	43.6	17.0	14.8	15.9	10.3	7.1	22.9
Nephritis, nephrotic syndrome and nephrosis	244.8	181.9	141.6	63.3	52.6	6.7	5.5	3.5	2.3	4.9	11.1
Major cardiovascular diseases	258.6	383.2	427.7	506.7	421.1	404.8	355.8	306.6	239.1	228.7	372.9
Chronic liver disease and cirrhosis	*	*	*	*	*	*	*	*	23.5	11.8	7.8
Chronic lower respiratory diseases	*	*	*	*	*	*	*	*	9.3	13.1	23.0
HIV disease	*	*	*	*	*	*	*	*	*	56.6	23.6
Total accidents	108.2	87.8	73.8	81.3	55.9	38.4	28.1	22.7	18.2	21.6	20.6
Motor vehicle accidents	*	*	14.9	22.6	12.8	7.3	7.7	11.0	8.4	9.4	3.4
Other accidents	*	*	58.9	58.7	43.1	31.0	20.3	11.6	9.8	12.1	17.2
Intentional self-harm (suicide)	26.8	21.2	14.1	21.3	14.3	9.7	9.2	6.4	9.4	9.0	5.4
Assault (homicide)	3.6	5.1	6.2	8.0	4.4	4.0	5.3	14.0	21.8	22.6	8.3

Note: Rates for 1979-1981, 1989-1991, and 1999-2001 are based on deaths to New York City residents only, regardless of place of occurrence, while those for previous years included all events in New York City, regardless of the residence of the decedents.

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

* Data are not available or not applicable.

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

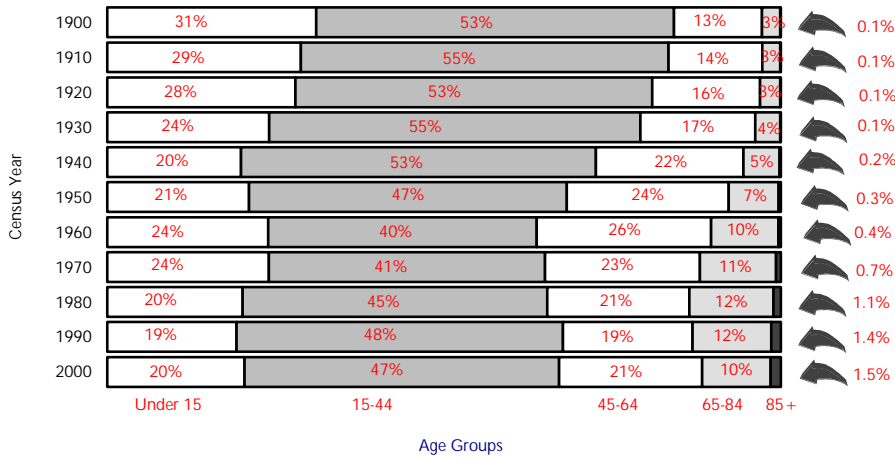


Figure 1. Age Composition of the Population New York City, 1900-2000

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

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

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

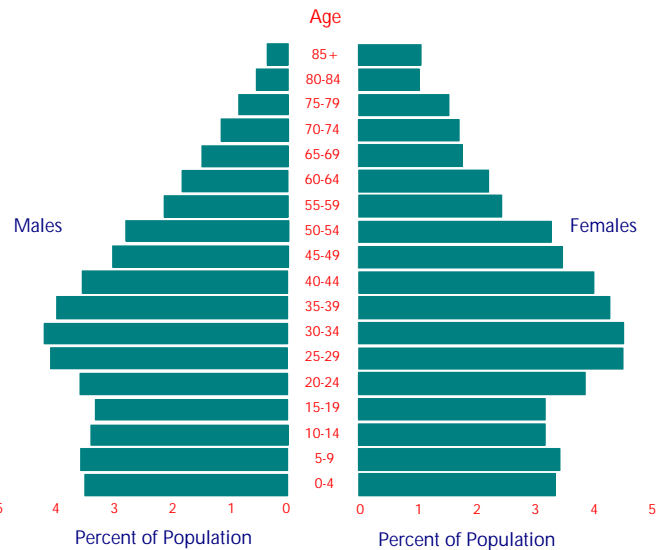
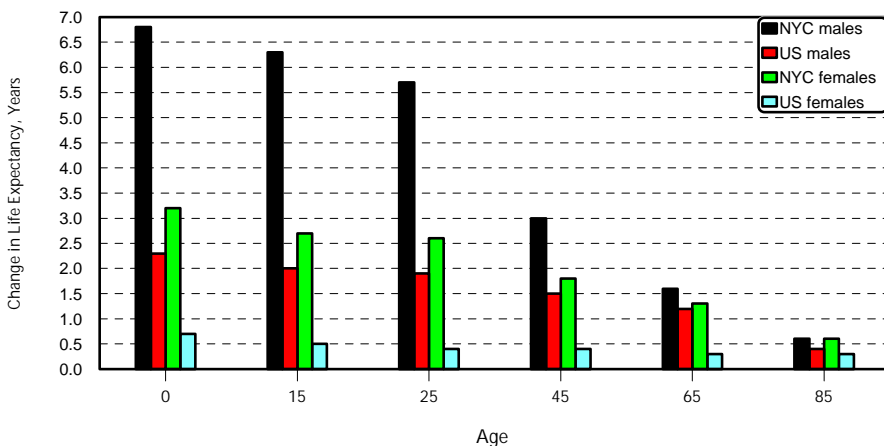


Figure 3. Changes in Life Expectancy at Selected Ages by Sex, 1990 and 2000 New York City and United States



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

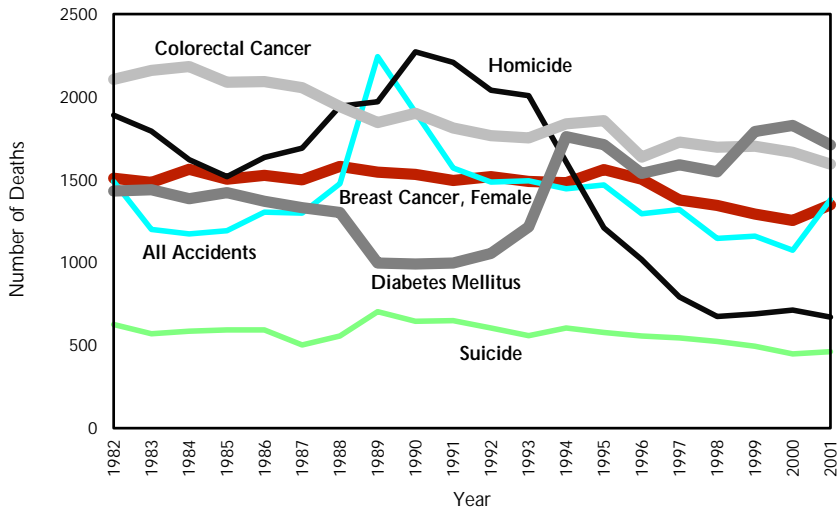


Figure 4. Number of Deaths from Selected Causes New York City, 1982-2001

The number of homicide deaths in New York City declined steadily between 1990 and 1998. Overall, homicide deaths dropped about two-thirds since they peaked in 1990. Suicide deaths declined slightly in the last two decades, from 626 in 1982 to 462 in 2001; suicide deaths peaked in 1989. The number of colorectal cancer deaths also declined in the past two decades, from 2,106 to 1,595. The surge of accidental deaths in 2001 was caused by the Flight 587 air crash. 265 deaths from the crash are added in the total accidental deaths. See Special Section B for a detailed description and statistics of the crash. The Tenth Revision of the International Classification of Diseases (ICD-10) was implemented on January 1, 1999. The preliminary comparability ratios are listed in Table 4. ICD-9 was used to code causes of death in 1979-1998. See the Special Note on cause of death coding for a discussion of ICD-10. All reported WTC deaths are homicides and not included in this graph.

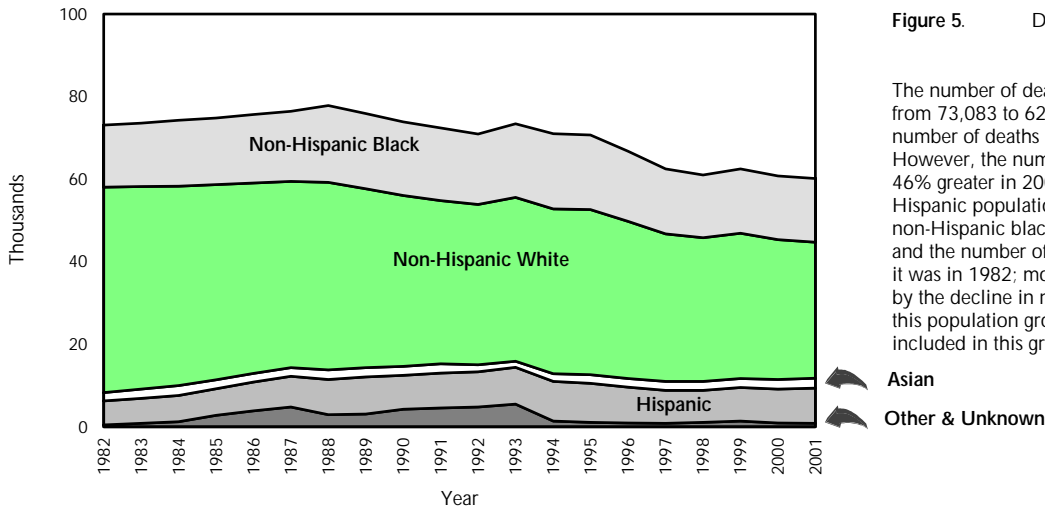


Figure 5. Deaths by Ethnic Group of Decedent New York City, 1982-2001

The number of deaths from 1982 to 2001 declined 14%, from 73,083 to 62,954, and declined 19% from the peak number of deaths in this period, 77,817 in 1988. However, the number of deaths among Hispanics is about 46% greater in 2001, reflecting the increase of 54% in the Hispanic population. The number of deaths among non-Hispanic blacks is about the same in 2001 as in 1982 and the number of deaths among Asians is 19% higher than it was in 1982; most of the overall decline is accounted for by the decline in non-Hispanic white deaths of over 30% as this population group declined 24%. WTC deaths are not included in this graph.

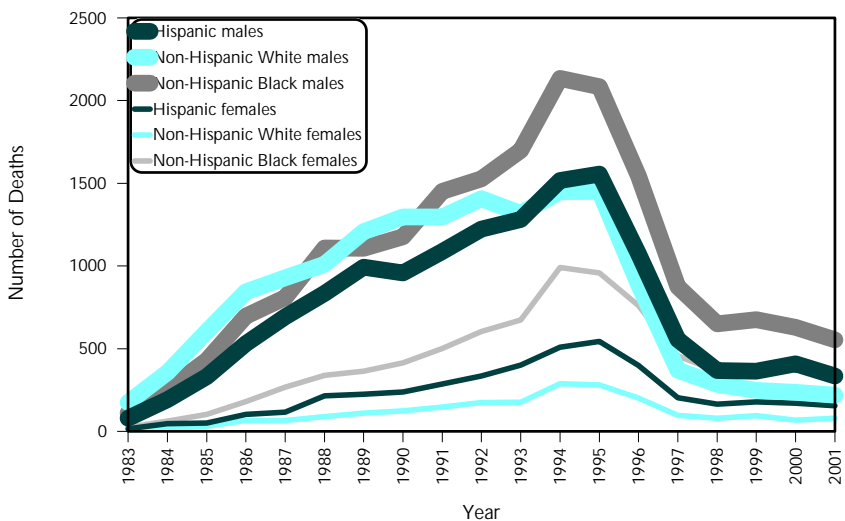


Figure 6. Deaths Due to HIV Disease by Sex and Selected Ethnic Group New York City, 1983-2001

The number of deaths due to HIV disease decreased 12% from 1999 to 2001 to 1,774, comparable to the 1985 level before it peaked at 7,102 in 1994. The number of deaths among all ethnic groups decreased from 2000 to 2001 except among non-Hispanic white women, which changed from 67 to 79, an 18% increase. The possible effect of changes between ICD-9 and ICD-10, in 1999, have not been analyzed. See the Technical Notes for a discussion of HIV disease and AIDS as a cause of death. See the Special Note on Cause of Death Coding for a discussion of ICD-10.

Table 25.

Deaths and Crude Death Rates per 100,000 Population from

Cause (ICD-10 Code (1))	ANNUAL											
	1901-1905	1906-1910	1911-1915	1916-1920	1921-1925	1926-1930	1931-1935	1936-1940	1941-1945	1946-1948	1949-1951	1952-1955
Infant deaths (under 1 year)	15,611	16,609	14,060	12,004	8,895	7,662	5,521	4,079	3,828	4,298	3,882	4,021
Rate per 1,000 live births	120.8	115.2	100.0	88.2	68.9	61.0	52.0	39.8	30.3	26.8	24.5	24.6
Neonatal deaths (under 28 days)	**	**	5,143	4,894	4,309	3,892	3,152	2,631	2,764	3,298	2,989	3,032
Rate per 1,000 live births	**	**	37.4	36.0	33.0	31.0	29.7	25.7	21.9	20.5	18.9	18.5
Early neonatal deaths (under 7 days)	**	**	**	**	**	**	**	2,110	2,338	2,845	2,604	2,713
Rate per 1,000 live births	**	**	**	**	**	**	**	20.5	18.5	17.7	16.4	16.6
Fetal deaths 28 weeks gestation & over	**	**	**	**	**	**	**	2,589	2,709	2,902	2,441	2,310
Ratio per 1,000 live births	**	**	**	**	**	**	**	25.3	21.4	18.1	15.4	14.1
Perinatal mortality ratio (2)	**	**	**	**	**	**	**	44.7	39.1	35.1	31.3	30.2
Pregnancy, childbirth and the puerperium (O00-O99)	**	**	**	**	**	**	**	**	**	**	**	**
Rate per 100,000 live births	**	**	**	**	**	**	**	**	**	**	**	**
Maternal causes *** (A34,O00-O96,O98-O99)	694	745	694	664	689	651	608	372	255	178	115	102
Rate per 100,000 live births	538.0	517.4	493.7	487.9	528.1	518.4	572.6	363.2	201.6	110.8	72.6	62.3
Respiratory tuberculosis (A16)	8,154	8,832	8,745	7,915	4,937	4,574	4,068	3,680	3,281	2,932	2,173	1,178
Rate	215.4	197.5	173.2	144.1	80.0	68.2	57.3	50.0	43.2	37.7	27.4	15.0
Other forms of tuberculosis (A17-A19)	**	**	**	**	**	**	**	**	**	225	174	97
Rate	**	**	**	**	**	**	**	**	**	2.9	2.2	1.2
Human immunodeficiency virus disease (B20-B24) (3)	**	**	**	**	**	**	**	**	**	**	**	**
Rate	**	**	**	**	**	**	**	**	**	**	**	**
Malignant neoplasms (C00-C97)	2,621	3,334	4,256	4,993	6,229	7,637	9,062	11,257	13,169	14,627	15,556	16,553
Rate	69.2	74.5	84.3	90.9	100.9	113.9	127.6	152.9	173.3	188.2	196.0	210.6
Trachea, bronchus and lung, male (C33-C34)	**	**	**	**	**	**	**	**	**	828	847	1,021
Rate	**	**	**	**	**	**	**	**	**	21.9	22.2	27.0
Trachea, bronchus and lung, female (C33-C34)	**	**	**	**	**	**	**	**	**	220	179	228
Rate	**	**	**	**	**	**	**	**	**	5.5	4.4	5.6
Breast, female (C50)	**	**	**	**	**	**	**	**	**	1,429	1,476	1,517
Rate	**	**	**	**	**	**	**	**	**	35.9	36.4	37.3
Diabetes mellitus (E10-E14)	520	690	916	1,063	1,284	1,624	2,140	2,787	3,131	3,423	1,583	1,644
Rate	13.7	15.4	18.1	19.4	20.8	24.2	30.1	37.9	41.2	44.0	19.9	20.9
Major cardiovascular diseases (I00-I78)	5,954	9,148	12,699	14,792	18,114	21,815	23,706	25,711	30,886	32,539	36,206	37,724
Rate	157.3	204.5	251.5	269.3	293.3	325.5	333.8	349.2	406.6	418.7	456.3	479.9
Cerebrovascular disease (I60-I69)	2,593	1,790	970	834	719	723	1,333	3,846	3,611	3,710	5,099	5,688
Rate	68.4	40.0	19.2	15.2	11.6	10.8	20.2	52.2	47.5	47.7	64.3	72.4
Influenza & Pneumonia (J10-J18)	10,425	10,985	10,528	17,136	8,935	9,989	8,205	5,337	3,453	3,014	2,469	2,664
Rate	275.4	245.6	208.5	312.0	144.7	149.0	115.5	72.5	45.5	38.8	31.2	33.9
Other respiratory (J00-J06, J20-J99)	3,224	2,307	1,458	1,407	689	622	594	536	492	424	450	461
Rate	85.2	51.6	38.9	25.6	11.2	9.3	8.4	7.3	6.5	5.5	5.7	5.9
Chronic liver disease & cirrhosis (K70, K73-K74)	814	1,076	900	500	338	413	584	922	1,052	1,500	1,500	1,440
Rate	21.5	24.1	17.8	9.1	5.5	6.2	8.2	12.5	13.8	17.5	19.2	18.3
Nephritis,nephrosis,etc (N00-N07, N17-N19, N25-N27)	5,752	5,600	5,499	5,676	4,108	3,411	3,608	3,675	3,081	2,574	570	556
Rate	151.9	125.2	108.9	103.4	50.9	50.8	50.9	40.6	40.6	33.1	7.2	7.1
Use of psychoactive substance (F11-F16, F18-F19)	**	**	**	**	**	**	**	**	**	**	**	81
Rate	**	**	**	**	**	**	**	**	**	**	**	1.0
Accidental drug poisoning (X40-X42, X44)	**	**	**	**	**	**	**	**	**	**	**	**
Rate	**	**	**	**	**	**	**	**	**	**	**	**
Motor vehicle accident (4)	**	**	253	658	929	1,175	1,167	920	728	635	600	634
Rate	**	**	5.0	12.0	15.0	17.5	16.4	12.5	9.6	8.2	7.6	8.1
Home Accidents	**	**	**	**	**	**	**	1,546	1,823	1,941	1,699	1,568
Rate	**	**	**	**	**	**	**	21.0	24.0	25.0	21.4	19.9
Other accidents (Rest of V01-X59, Y85-Y86)	3,521	3,549	3,516	3,426	3,138	3,574	3,205	3,107	3,091	3,255	2,707	2,450
Rate	93.0	79.3	69.3	62.4	50.8	53.3	45.1	42.2	40.7	41.9	34.3	31.2
Intentional self-harm (Suicide) (X60-X84, Y87.0)	761	825	686	742	842	1,163	1,369	1,191	907	930	863	649
Rate	20.1	18.4	17.2	13.5	13.6	17.4	19.3	16.2	11.9	12.0	10.9	8.3
Assault (Homicide) (X85-Y09, Y87.1)	143	247	293	271	334	405	522	351	265	362	318	340
Rate	3.8	5.5	5.8	4.9	5.4	6.0	7.4	4.5	3.5	4.7	4.0	4.3
Events of undetermined intent (Y10-Y34, Y87.2, Y89.9)	**	**	**	**	**	**	**	**	**	**	**	**
Rate	**	**	**	**	**	**	**	**	**	**	**	**
Alzheimer's disease (G30)	**	**	**	**	**	**	**	**	**	**	**	**
Rate	**	**	**	**	**	**	**	**	**	**	**	**
Asthma (J45-J46)	**	**	**	**	**	**	**	**	**	**	**	**
Rate	**	**	**	**	**	**	**	**	**	**	**	**

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

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

(3) AIDS was first reported as a cause of death in 1982, and coded 279.1 until 1986. From 1987 through 1998, HIV infections were coded 042-044. Under ICD-10, beginning in 1999, HIV disease is coded to B20-B24. See the Technical Notes for a discussion of HIV disease and AIDS as the cause of death.

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

(5) Data for 1982-1985.

(6) Rate less than 0.05.

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

** Data are not available or not applicable.

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

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

Selected Causes, New York City, 1901-2001*

AVERAGE																				Preliminary Comparability Ratio
1956-1960	1961-1965	1966-1970	1971-1975	1976-1980	1981-1985	1986-1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001*			
4,290	4,333	3,477	2,312	1,875	1,624	1,691	1,575	1,390	1,366	1,207	1,155	992	881	843	848	839	760			
25.7	26.2	23.6	19.9	17.4	14.4	12.8	11.4	10.2	10.2	9.0	8.8	7.8	7.1	6.8	6.9	6.7	6.1			
3,220	3,226	2,602	1,714	1,333	1,097	1,159	1,089	941	917	804	811	656	605	593	606	583	524			
19.3	19.5	17.7	14.8	12.3	9.7	8.8	7.9	6.9	6.9	6.0	6.2	5.2	4.9	4.8	4.9	4.6	4.2			
2,909	2,922	2,351	1,480	1,131	927	972	896	783	769	660	657	528	459	475	474	455	409			
17.4	17.7	16.0	12.8	10.5	8.2	7.4	6.5	5.8	5.8	4.9	5.0	4.2	3.7	3.8	3.8	3.6	3.3			
2,362	2,276	1,885	1,288	835	719	698	648	970	692	589	533	580	507	505	490	507	444			
14.1	13.8	12.8	11.1	7.7	6.4	5.3	4.7	7.1	5.2	4.4	4.1	4.6	4.1	4.1	4.0	4.0	3.6			
31.1	31.0	28.4	23.6	18.1	14.5	12.6	11.1	12.8	10.9	9.3	9.0	8.7	7.8	7.9	7.8	7.6	6.9			
**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	26	34	43		
																21.0	27.1	34.7		
107	109	73	36	28	33	29	24	30	20	29	26	22	17	16	24	30	41			
64.1	66.0	49.6	31.1	25.9	29.2	22.0	17.4	22.1	15.0	21.7	19.8	17.3	13.8	12.9	19.4	23.9	33.1			
824	624	432	235	141	125	174	197	155	135	113	75	46	44	33	37	37	30		0.91	
10.6	8.0	5.5	3.1	2.0	1.7	2.4	2.7	2.1	1.8	1.5	1.0	0.6	0.6	0.5	0.5	0.5	0.4			
52	43	39	32	22	35	55	57	45	31	20	19	21	11	19	12	7	3		0.70	
0.7	0.6	0.5	0.4	0.3	0.5	0.8	0.8	0.6	0.4	0.3	0.3	0.3	0.2	0.3	0.2	0.1	0.0			
**	**	**	**	**		768 (5)	3,703	5,228	5,789	6,120	7,102	7,046	4,998	2,625	1,978	2,020	1,961	1,774		1.06
						10.7	50.9	71.4	79.1	83.6	97.0	96.2	68.3	35.8	27.0	27.6	24.5	22.2		
16,869	17,398	17,814	17,315	16,549	15,889	15,612	15,255	15,228	15,040	15,298	15,136	14,591	14,194	14,454	14,334	14,100	14,041		1.01	
216.1	222.1	226.3	226.3	228.7	222.3	214.7	208.3	208.0	205.4	208.9	206.7	199.3	193.8	197.4	195.8	176.1	175.3			
1,157	1,294	1,890	2,434	2,387	2,217	2,201	2,138	2,097	2,094	2,120	1,966	1,967	1,859	1,849	1,782	1,790	1,746		0.98	
30.9	34.8	51.0	68.1	71.0	66.7	64.4	62.2	61.0	60.9	61.7	57.2	57.2	54.1	53.8	51.8	47.2	46.0			
261	303	474	777	970	1,169	1,315	1,403	1,420	1,460	1,383	1,462	1,420	1,333	1,472	1,467	1,390	1,426		0.98	
6.4	7.4	11.4	19.1	25.0	30.6	33.9	36.1	36.6	37.6	35.6	37.6	36.6	34.3	37.9	37.8	33.0	33.8			
1,573	1,694	1,787	1,723	1,622	1,533	1,537	1,496	1,518	1,490	1,483	1,561	1,504	1,378	1,344	1,292	1,253	1,348		1.01	
38.7	41.3	42.9	42.3	41.9	40.1	39.6	38.5	39.1	38.4	38.2	40.2	38.7	35.5	34.6	33.3	29.7	32.0			
1,581	1,789	1,867	2,064	1,547	1,436	1,198	998	1,055	1,216	1,760	1,713	1,538	1,590	1,548	1,791	1,827	1,710		1.01	
20.3	22.9	23.7	27.0	21.4	20.1	16.5	13.6	14.4	16.6	24.0	23.4	21.0	21.7	21.1	24.5	22.8	21.4			
38,988	39,943	41,981	40,639	37,978	37,818	33,527	31,971	32,096	33,601	31,048	31,656	30,995	29,642	28,755	29,157	28,101	27,407		1.00	
499.5	510.2	532.4	531.1	524.8	529.1	461.0	436.6	438.3	458.9	424.0	432.3	423.3	404.8	392.7	398.2	350.9	342.2			
6,013	6,174	6,277	5,433	4,174	3,194	2,927	2,556	2,189	2,278	2,155	2,100	2,114	2,119	1,998	2,101	1,960	1,887		1.06	
77.0	78.9	79.7	71.0	57.7	44.7	40.2	34.9	29.9	31.1	29.4	28.7	28.9	28.9	27.3	28.7	24.5	23.6			
3,459	3,394	3,562	3,164	3,000	2,740	3,354	3,172	2,719	3,029	2,541	2,591	2,702	2,618	2,680	2,474	2,267	2,505		0.70	
44.3	43.4	45.2	41.4	41.5	38.3	46.1	43.3	37.1	41.4	34.7	35.4	36.9	35.8	36.6	33.8	28.3	31.3			
651	960	1,425	1,627	1,583	1,941	2,507	2,087	1,881	1,959	1,889	1,900	1,951	1,933	1,993	2,195	2,054	2,118			
8.3	12.3	18.1	21.3	21.9	27.2	34.5	28.5	25.7	26.8	25.8	25.9	26.6	26.4	27.2	30.0	25.6	26.4			
1,858	2,386	2,936	2,440	2,185	1,789	1,289	958	990	959	903	921	825	720	684	689	568	578		1.04	
23.8	30.5	37.3	31.9	30.2	25.0	17.7	13.1	13.5	13.1	12.3	12.6	11.3	9.8	9.3	9.4	7.1	7.2			
573	509	447	372	381	383	816	450	327	327	238	213	296	378	413	882	853	800		1.23	
7.3	6.5	5.7	4.9	5.3	5.4	11.2	6.1	4.5	4.5	3.3	2.9	4.0	5.2	5.6	12.0	10.7	10.0			
96	263	551	677	414	573	787	781	803	1,083	1,033	1,033	909	885	825	855	902	887			
1.2	3.4	7.0	8.8	5.7	8.0	10.8	10.7	11.0	14.8	14.1	14.1	12.4	12.1	11.3	11.7	11.3	11.1			
**	**	**	**	**		143	59	55	62	35	32	36	19	18	26	30	22			
					(6)	2.0	0.8	0.8	0.8	0.5	0.4	0.5	0.3	0.2	0.4	0.4	0.3			
655	714	887	834	606	477	624	631	586	551	500	501	438	499	387	404	368	402		0.85	
8.4	9.1	11.3	10.9	8.4	6.7	8.6	8.6	8.0	7.5	6.8	6.8	6.0	6.8	5.3	5.5	4.6	5.0			
1,095	951	871	755	525	486	589	517	472	525	513	512	479	432	390	**	**	**			
14.0	12.1	11.1	9.9	7.3	6.8	8.1	7.1	6.4	7.2	7.0	7.0	6.5	5.9	5.3						
2,091	1,947	1,730	1,239	926	812	880	364	428	355	398	423	341	369	350	729	676	956			
26.8	24.9	22.0	16.2	12.8	11.4	12.1	5.0	5.8	4.8	5.4	5.8	4.7	5.0	4.8	10.0	8.4	11.9			
711	908	680	641	711	603	600	649	605	558	605	577	557	545	524	494	448	462		1.00	
9.1	11.6	8.6	8.4	9.8	8.4	8.3	8.9	8.3	7.6	8.3	7.9	7.6	7.4	7.2	6.7	5.6	5.8			
366	592	992	1,663	1,700	1,763	1,902	2,209	2,041	2,007	1,607	1,209	1,018	793	675	690	714	670		1.00	
4.7	7.6	12.6	21.7	23.5	24.7	26.2	30.2	27.9	27.4	21.9	16.5	13.9	10.8	9.2	9.4	8.9	8.4			
**	**	946	1,062	699	696	504	144	141	200	176	146	153	159	135	153	155	206			
		10.9	13.9	9.7	9.7	6.9	2.0	1.9	2.7	2.4	2.0	2.1	2.2	1.8	2.1	1.9	2.6			
**	**	**	**	**	**	**		76	73	78	94	101	77	74	82	132	211	172		1.55
								1.0	1.0	1.1	1.3	1.4	1.1	1.0	1.1	1.8	2.6	2.1		
**	**	**	**	**	**	**	247	273	253	291	282	273	235	250	244	213	215		0.89	
							3.4	3.7	3.5	4.0	3.9	3.7	3.2	3.4	3.3	2.7	2.7			

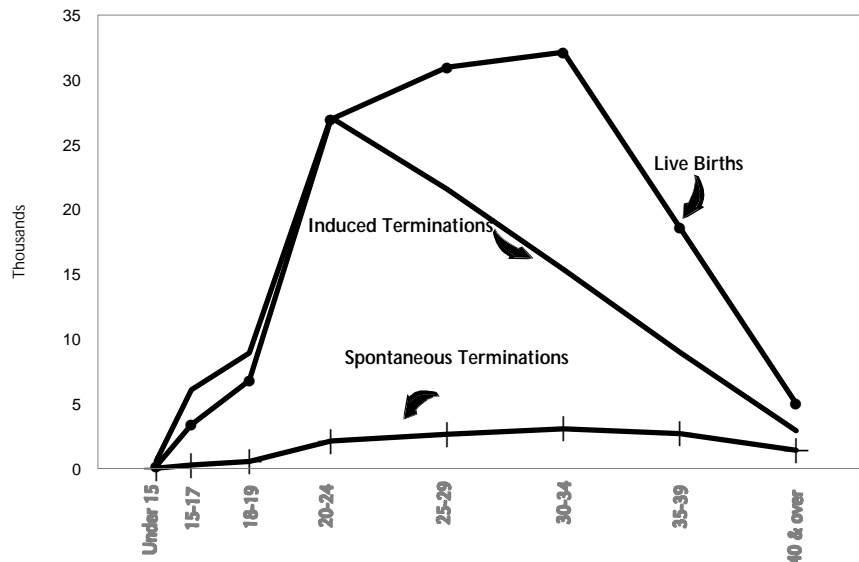


Figure 7. Live Births, Induced Terminations and Spontaneous Terminations of Pregnancy by Age of Woman, New York City, 2001

About 230,000 pregnancy outcomes were reported in New York City in 2001. About 54% were live births, 40% were induced terminations, and the remainder were spontaneous terminations (fetal deaths). The proportion of pregnancies ending in an induced termination is highest among younger women, and stabilizes at around 30% at age 30. For women under the age of 25, the pregnancy outcome is more likely to be an induced termination than a live birth or spontaneous termination. The number of induced and spontaneous terminations reported to the Department of Health and Mental Hygiene depends to some extent on active surveillance, notwithstanding that all spontaneous terminations, not just those of a certain gestational age or weight, are required to be reported.

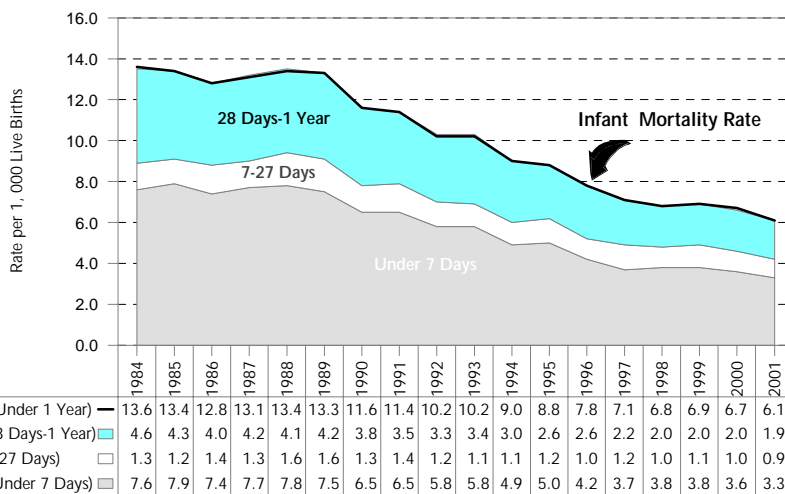


Figure 8. Infant, Neonatal and Post-neonatal Mortality Rates, New York City, 1984-2001

The New York City Infant Mortality Rate continued to decline in 2001, reaching the historic low level of 6.1 deaths per 1,000 live births. Deaths in all periods after birth, the early neonatal (under seven days), late neonatal (seven to twenty-seven days), and post-neonatal deaths (28 days to under one year) declined. From 1990 to 2001, the rates of both early neonatal deaths and post-neonatal deaths declined by almost half, while the rate for late neonatal deaths declined by about 30 percent.

Table 26.

**Live Births, Spontaneous and Induced Terminations of Pregnancy
by Borough of Residence and Age of Woman
New York City, 2001**

Borough of Residence / Pregnancy Outcome	Total	Age of Woman								
		Under 15	15-17	18-19	20-24	25-29	30-34	35-39	40 & Over	Unknown & Not Stated
NEW YORK CITY	228,714	774	9,737	16,282	56,174	55,179	50,584	30,246	9,334	404
Live Births	124,023	187	3,396	6,803	26,950	30,974	32,140	18,569	5,003	1
Spontaneous Terminations	12,899	23	266	555	2,124	2,656	3,068	2,696	1,409	102
Induced Terminations	91,792	564	6,075	8,924	27,100	21,549	15,376	8,981	2,922	301
MANHATTAN	33,945	117	1,346	2,215	7,155	7,258	8,567	5,426	1,823	38
Live Births	19,759	29	505	992	3,224	3,971	6,011	3,876	1,151	-
Spontaneous Terminations	1,788	3	39	51	219	311	454	451	249	11
Induced Terminations	12,398	85	802	1,172	3,712	2,976	2,102	1,099	423	27
BRONX	44,351	202	2,588	4,024	12,948	10,843	8,085	4,335	1,256	70
Live Births	21,706	57	1,050	1,884	6,013	5,452	4,396	2,260	594	-
Spontaneous Terminations	2,289	4	69	130	503	528	465	376	197	17
Induced Terminations	20,356	141	1,469	2,010	6,432	4,863	3,224	1,699	465	53
BROOKLYN	74,858	287	3,234	5,543	20,147	18,848	15,102	8,717	2,812	168
Live Births	39,697	69	1,126	2,318	10,296	10,561	8,996	4,917	1,414	-
Spontaneous Terminations	4,273	10	99	237	821	931	965	751	417	42
Induced Terminations	30,888	208	2,009	2,988	9,030	7,356	5,141	3,049	981	126
QUEENS	49,565	102	1,798	3,168	11,677	12,752	11,266	6,717	1,989	96
Live Births	27,336	24	566	1,239	5,790	7,666	7,127	3,963	961	-
Spontaneous Terminations	2,767	4	47	109	430	597	654	609	297	20
Induced Terminations	19,462	74	1,185	1,820	5,457	4,489	3,485	2,145	731	76
RICHMOND	8,929	21	337	562	1,642	2,130	2,490	1,393	348	6
Live Births	5,596	5	124	237	818	1,453	1,845	928	186	-
Spontaneous Terminations	740	2	9	17	89	139	218	187	75	4
Induced Terminations	2,593	14	204	308	735	538	427	278	87	2
NON-RESIDENTS	16,783	42	415	745	2,517	3,286	5,031	3,626	1,101	20
Live Births	9,928	3	25	133	809	1,871	3,765	2,625	697	-
Spontaneous Terminations	1,034	-	3	11	62	149	309	321	174	5
Induced Terminations	5,821	39	387	601	1,646	1,266	957	680	230	15
RESIDENCE UNKNOWN	283	3	19	25	88	62	43	32	5	6
Live Births	1	-	-	-	-	-	-	-	-	1
Spontaneous Terminations	8	-	-	-	-	1	3	1	-	3
Induced Terminations	274	3	19	25	88	61	40	31	5	2

Table 27.

**Spontaneous Terminations of Pregnancy by Gestation and Age of Woman
New York City, 2001**

Gestation in Weeks	Total	Age of Woman								
		Under 15	15-17	18-19	20-24	25-29	30-34	35-39	40 & Over	Not Stated
Total	12,899	23	266	555	2,124	2,656	3,068	2,696	1,409	102
Under 13	8,484	14	154	339	1,328	1,689	2,072	1,813	1,029	46
13-15	1,376	3	34	68	273	297	312	258	128	3
16-19	1,006	2	20	46	179	212	237	217	87	6
20-27	812	2	21	43	154	173	195	165	53	6
28 & Over	444	-	16	25	85	110	93	84	28	3
Not Stated	777	2	21	34	105	175	159	159	84	38

Table 28. Live Births, Spontaneous Terminations of 28 Weeks Gestation and Over and Induced Terminations of Pregnancy by Boroughs of Residence and Occurrence New York City, 2001

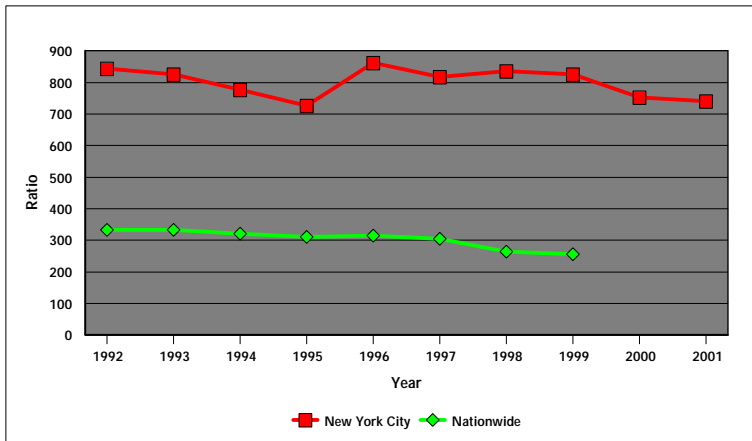
Borough of Residence / Pregnancy Outcome	Total	Borough of Occurrence				
		Manhattan	Bronx	Brooklyn	Queens	Richmond
NEW YORK CITY	216,259	81,483	28,279	53,234	46,419	6,844
Live Births	124,023	41,745	17,877	32,593	25,215	6,593
Spontaneous Terminations	444	115	77	150	87	15
Induced Terminations	91,792	39,623	10,325	20,491	21,117	236
MANHATTAN	32,217	30,085	954	576	573	29
Live Births	19,759	19,066	427	124	113	29
Spontaneous Terminations	60	56	3	-	1	-
Induced Terminations	12,398	10,963	524	452	459	-
BRONX	42,146	15,116	25,650	559	809	12
Live Births	21,706	4,833	16,514	141	206	12
Spontaneous Terminations	84	11	71	1	1	-
Induced Terminations	20,356	10,272	9,065	417	602	-
BROOKLYN	70,746	17,021	343	47,098	5,163	1,121
Live Births	39,697	7,101	111	29,950	1,431	1,104
Spontaneous Terminations	161	15	1	140	2	3
Induced Terminations	30,888	9,905	231	17,008	3,730	14
QUEENS	46,897	8,700	257	2,652	35,218	70
Live Births	27,336	4,968	143	1,513	20,643	69
Spontaneous Terminations	99	18	-	7	74	-
Induced Terminations	19,462	3,714	114	1,132	14,501	1
RICHMOND	8,203	1,509	31	1,349	122	5,192
Live Births	5,596	211	6	392	26	4,961
Spontaneous Terminations	14	1	-	1	-	12
Induced Terminations	2,593	1,297	25	956	96	219
NON-RESIDENTS	15,775	8,968	1,010	913	4,464	420
Live Births	9,928	5,565	676	473	2,796	418
Spontaneous Terminations	26	14	2	1	9	-
Induced Terminations	5,821	3,389	332	439	1,659	2
RESIDENCE UNKNOWN	275	84	34	87	70	-
Live Births	1	1	-	-	-	-
Spontaneous Terminations	0	-	-	-	-	-
Induced Terminations	274	83	34	87	70	-

Table 29. Induced Terminations of Pregnancy by Selected Characteristics and Age of Woman New York City, 2001

	Total	Age of Woman								
		Under 15	15-17	18-19	20-24	25-29	30-34	35-39	40 & Over	Not Stated
Induced Termination of Pregnancy, All	91,792	564	6,075	8,924	27,100	21,549	15,376	8,981	2,922	301
Ethnic Group										
Hispanic	29,684	187	2,188	3,183	9,805	6,894	4,394	2,290	654	89
Asian and Pacific Islander	4,977	11	165	352	1,255	1,263	1,033	606	274	18
White Non-Hispanic	10,220	26	449	756	2,622	2,433	2,014	1,330	558	32
Black Non-Hispanic	44,213	326	3,134	4,402	12,662	10,290	7,475	4,437	1,337	150
Other	603	3	30	59	157	148	107	71	25	3
Not Stated	2,095	11	109	172	599	521	353	247	74	9
Marital Status										
Married	14,516	11	62	257	2,230	3,726	4,119	2,904	1,137	70
Not Married	74,935	546	5,903	8,462	24,231	17,278	10,824	5,827	1,688	176
Not Stated	2,341	7	110	205	639	545	433	250	97	55
Gestation Age										
6 Weeks or Less	26,583	83	1,149	2,029	7,582	6,935	4,946	2,788	976	95
7 - 8 Weeks	29,125	106	1,489	2,456	8,238	7,241	5,423	3,110	960	102
9 - 10 Weeks	15,391	92	1,125	1,678	4,660	3,512	2,375	1,473	434	42
10 - 12 Weeks	7,916	85	743	962	2,544	1,624	1,111	636	188	23
13 - 15 Weeks	4,732	60	550	659	1,543	915	548	337	103	17
16 - 20 Weeks	4,819	68	625	723	1,541	759	549	380	164	10
21 or More Weeks	2,155	63	326	330	651	321	253	146	60	5
Not Stated	1,071	7	68	87	341	242	171	111	37	7
Type of Termination Procedures										
Suction Curettage	70,365	358	4,204	6,481	20,457	17,002	12,226	7,143	2,269	225
Sharp Curettage / D+C	5,986	23	327	487	1,813	1,476	1,062	572	199	27
Dilatation and Evacuation	10,704	166	1,330	1,514	3,363	1,846	1,307	827	320	31
Intrauterine Instillation	404	7	50	59	138	64	50	26	9	1
Hysterotomy / Hysterectomy	4	-	-	-	2	-	1	-	1	-
Medical (Non-Surgical)	3,296	2	92	268	1,005	926	582	327	82	12
Other	123	1	2	9	32	31	24	14	9	1
Not Stated	910	7	70	106	290	204	124	72	33	4

**Table 29a. Induced Terminations of Pregnancy by Women's Marital Status, Age, and Ethnic Group
New York City, 1992 - 2001**

	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Marital Status (percent)										
Married	20.6	22.1	22.0	20.0	19.9	19.1	19.3	17.9	16.4	15.8
Not Married	77.4	75.1	76.6	77.6	74.4	78.2	78.3	79.3	81.0	81.6
Unknown	2.0	2.9	1.5	2.4	5.7	2.7	2.4	2.9	2.6	2.6
Age of Women										
< 15	940	866	821	669	786	696	704	672	601	564
15-19	18,405	18,597	17,804	16,481	18,571	17,056	16,922	16,525	15,497	14,999
20-24	34,899	33,883	31,090	27,678	31,155	28,804	29,736	29,857	27,799	27,100
25-29	29,099	27,627	25,850	23,571	27,452	24,868	25,504	24,758	22,502	21,549
30-34	18,607	17,763	16,938	15,699	18,375	17,078	17,662	17,337	15,735	15,376
35-39	9,077	8,850	8,624	8,351	9,829	9,312	9,938	9,875	9,193	8,981
40+	2,669	2,477	2,485	2,434	2,871	2,796	3,156	3,138	2,953	2,922
Unknown	1,004	372	288	322	334	316	360	172	186	301
Ethnic Group										
Hispanic	30,683	30,617	29,462	26,698	29,253	28,965	31,895	32,826	31,118	29,684
Asian and Pacific Islander	3,756	3,217	3,183	3,279	4,112	4,317	5,198	4,969	4,873	4,977
Non-Hispanic, White	19,959	15,871	14,646	12,712	14,598	12,037	12,365	11,833	10,438	10,220
Non-Hispanic, Black	56,406	58,612	54,245	48,117	52,026	47,072	48,799	48,245	45,150	44,213
Others	974	252	657	790	523	469	713	749	532	603
Unknown	2,922	1,866	1,707	3,609	8,861	8,066	5,012	3,712	2,355	2,095
Total	114,700	110,435	103,900	95,205	109,373	100,926	103,982	102,334	94,466	91,792



**Figure 9. Ratio of Induced Terminations of Pregnancy
New York City and Nationwide, 1992 - 2001**

Ratio is defined as number of induced terminations of pregnancy per 1,000 live births.

While the ratio for New York City has declined since it reached its peak in 1996, it is still about three times as high as the nationwide ratio.

The number of induced terminations of pregnancy reported to the Department of Health and Mental Hygiene depends to some extent on active surveillance. Conclusions should be made with caution.

Note: Nationwide data for 2000 and 2001 were not available at time of publication.

**Table A. Marriages, Births and Deaths by Month and Average per Day
New York City, 2001**

MONTHS	NUMBER			AVERAGE PER DAY		
	MARRIAGES	BIRTHS	DEATHS*	MARRIAGES	BIRTHS	DEATHS*
January	6,494	10,536	5,778	209	340	186
February	6,983	9,229	4,790	249	330	171
March	8,782	10,438	5,104	283	337	165
April	9,421	9,938	4,938	314	331	165
May	5,980	10,665	4,927	193	344	159
June	5,644	10,008	4,840	188	334	161
July	5,872	10,836	4,805	189	350	155
August	6,753	11,058	4,921	218	357	159
September	2,616	10,393	4,644	87	346	155
October	4,996	10,557	5,093	161	341	164
November	4,612	10,250	5,133	154	342	171
December	4,434	10,115	5,245	143	326	169
Total	72,587	124,023	60,218	199	340	165

See Technical Notes.

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

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

Rank	GIRLS											
	1898	1928	1948	1980	1985	1990	1995	1997	1998	1999	2000	2001
1	Mary	Mary	Linda	Jennifer	Jennifer	Stephanie	Ashley	Ashley	Ashley	Ashley	Ashley	Ashley
2	Catherine	Marie	Mary	Jessica	Jessica	Jessica	Jessica	Samantha	Samantha	Samantha	Samantha	Kayla
3	Margaret	Annie	Barbara	Melissa	Christina	Ashley	Amanda	Jessica	Jessica	Emily	Kayla	Samantha
4	Annie	Margaret	Patricia	Nicole	Stephanie	Jennifer	Samantha	Nicole	Amanda	Sarah	Emily	Samantha
5	Rose	Catherine	Susan	Michelle	Melissa	Amanda	Stephanie	Amanda	Nicole	Nicole	Brianna	Jessica
6	Marie	Gloria	Kathleen	Elizabeth	Nicole	Samantha	Jennifer	Sarah	Emily	Kayla	Sarah	Brianna
7	Esther	Helen	Carol	Lisa	Elizabeth	Nicole	Nicole	Stephanie	Jennifer	Jessica	Jessica	Nicole
8	Sarah	Teresa	Nancy	Christina	Amanda	Christina	Sarah	Jennifer	Sarah	Brianna	Nicole	Sarah
9	Frances	Joan	Margaret	Tiffany	Danielle	Melissa	Michelle	Emily	Brianna	Amanda	Michelle	Destiny
10	Ida	Barbara	Diane	Maria	Lauren	Michelle	Emily	Brianna	Stephanie	Jennifer	Amanda	Michelle

Rank	BOYS											
	1898	1928	1948	1980	1985	1990	1995	1997	1998	1999	2000	2001
1	John	John	Robert	Michael	Michael	Michael	Michael	Michael	Michael	Michael	Michael	Michael
2	William	William	John	David	Christopher	Christopher	Christopher	Christopher	Christopher	Justin	Justin	Justin
3	Charles	Joseph	James	Jason	Daniel	Jonathan	Kevin	Joseph	Justin	Matthew	Christopher	Christopher
4	George	James	Michael	Joseph	David	Anthony	Daniel	Matthew	Joseph	Christopher	Matthew	Daniel
5	Joseph	Richard	William	Christopher	Anthony	David	Jonathan	Justin	Matthew	Joseph	Daniel	Matthew
6	Edward	Edward	Richard	Anthony	Joseph	Daniel	Joseph	Daniel	Anthony	Daniel	Anthony	Joseph
7	James	Robert	Joseph	John	Jonathan	Joseph	Anthony	Anthony*	Daniel	Anthony	Joshua	Anthony
8	Louis	Thomas	Thomas	Daniel	Jason	Matthew	Matthew	Brandon*	Brandon	David	David	David
9	Francis	George	Stephen	Robert	John	John	David	David	Nicholas	Kevin	Joseph	Joshua
10	Samuel	Louis	David	James	Robert	Andrew	Justin	Jonathan	David	Joshua	Kevin	Kevin

* Tied ranks

**Table C. Most Popular Baby Names by Sex and Mother's Ethnic Group
New York City, 2001**

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

*, ** Tied ranks.

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

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

Table 30.

**Live Births by Ancestry of Mother and Borough of Residence
New York City, 2001**

Ancestry of Mother	Total	Borough of Residence							Non-Residents	Residence Unknown
		Manhattan	Bronx	Brooklyn	Queens	Richmond				
Total	124,023	19,759	21,706	39,697	27,336	5,596		9,928	1	
Puerto Rican	10,846	1,420	5,081	2,324	1,165	467		389	-	
Dominican	10,017	3,138	3,780	1,456	1,387	45		211	-	
Colombian	1,459	86	69	140	1,068	21		75	-	
Ecuadorian	3,058	314	396	587	1,667	31		63	-	
Mexican	6,937	971	1,399	2,179	1,973	351		64	-	
Cuban	332	71	72	33	86	17		53	-	
Other Hispanic	7,507	664	1,310	2,600	2,479	141		313	-	
African-American	18,919	2,369	4,810	7,492	2,991	637		620	-	
American	5,618	1,599	231	1,832	540	301		1,115	-	
Guyanese	2,341	15	237	842	1,188	8		51	-	
Haitian	1,917	67	40	1,252	425	12		121	-	
Jamaican	2,922	72	717	1,312	687	17		117	-	
Trinidadian	1,525	39	91	826	515	10		44	-	
Other North, Central and South American	2,953	199	302	1,894	391	40		127	-	
English	893	441	23	148	57	22		202	-	
German	1,879	632	73	254	289	173		458	-	
Irish	3,377	752	175	468	584	465		933	-	
Italian	5,443	616	302	1,010	760	1,622		1,133	-	
Polish	1,335	179	23	503	341	85		204	-	
Russian	2,191	488	31	796	465	72		339	-	
Other European	4,987	1,230	411	1,324	911	332		779	-	
Asian Indian	1,847	156	104	183	1,124	79		201	-	
Bangladeshi	1,398	67	181	292	842	2		14	-	
Chinese	5,781	1,516	119	2,019	1,720	78		329	-	
Filipino	835	102	66	88	400	66		113	-	
Korean	889	140	20	71	530	25		103	-	
Pakistani	1,428	37	70	675	537	40		69	-	
Other Asian	3,817	693	213	1,340	1,055	164		352	-	
Jewish or Hebrew	6,757	588	85	4,526	404	152		1,002	-	
Other and Not Stated	4,815	1,098	1,275	1,231	755	121		334	1	

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

Table 31.

**Live Births by Mother's Ethnic Group and Age
New York City, 2001**

Ethnic Group	Total	Age of Mother								
		Under 15	15-17	18-19	20-24	25-29	30-34	35-39	40 & Over	Not Stated
Total	124,023	187	3,396	6,803	26,950	30,974	32,140	18,569	5,003	1
Puerto Rican	10,846	27	683	1,171	3,213	2,495	1,962	1,029	266	-
Other Hispanic	29,310	53	1,220	2,365	8,181	7,747	6,028	3,008	708	-
Asian and Pacific Islander	14,662	1	52	234	2,312	4,586	4,664	2,290	523	-
Non-Hispanic White	36,581	5	149	591	5,370	8,357	12,283	7,544	2,282	-
Non-Hispanic Black	32,123	101	1,286	2,417	7,754	7,651	7,090	4,618	1,206	-
Other	342	-	4	15	86	103	76	49	9	-
Not Stated	159	-	2	10	34	35	37	31	9	1

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

Table 32.

**Selected Characteristics of Live Births and Spontaneous Terminations of Pregnancy
28 Weeks Gestation and Over by Age of Mother, New York City, 2001**

	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	124,023	187	3,396	6,803	26,950	30,974	32,140	18,569	5,003	1
Sex										
Male	63,759	82	1,732	3,486	13,849	15,854	16,555	9,599	2,602	-
Female	60,264	105	1,664	3,317	13,101	15,120	15,585	8,970	2,401	1
Birth Order This Child (Live Births Only)										
First	54,380	180	3,078	5,503	15,008	12,568	11,340	5,340	1,362	1
Second	37,874	6	297	1,112	8,215	10,025	10,770	5,983	1,466	-
Third	18,091	1	21	161	2,806	4,921	5,609	3,653	919	-
Fourth	7,349	-	-	23	706	2,128	2,274	1,750	468	-
Fifth	3,037	-	-	2	155	854	1,014	762	250	-
Sixth or higher	3,292	-	-	2	60	478	1,133	1,081	538	-
Weight at Delivery in Grams										
Under 500	155	-	2	7	32	29	35	41	9	-
500-999	829	3	24	45	141	211	225	146	34	-
1000-1499	1,067	3	41	53	220	213	262	198	77	-
1500-1999	2,151	8	73	130	409	482	539	392	118	-
2000-2499	6,310	13	238	408	1,320	1,400	1,584	1,003	344	-
2500-2999	23,035	49	828	1,575	5,323	5,498	5,529	3,325	908	-
3000-3499	47,957	66	1,421	2,761	11,048	12,175	12,122	6,636	1,728	-
3500-3999	32,624	41	649	1,523	6,718	8,470	8,894	4,998	1,331	-
4000-4499	8,512	3	109	260	1,537	2,141	2,547	1,535	380	-
4500-4999	1,245	1	9	36	183	319	370	262	65	-
5000 & over	137	-	2	5	19	36	33	33	9	-
Not stated	1	-	-	-	-	-	-	-	-	1
Plurality										
Single	119,606	181	3,330	6,663	26,313	30,103	30,736	17,585	4,694	1
Twin	4,154	6	66	137	613	835	1,301	892	304	-
Triplet	251	-	-	3	24	32	95	92	5	-
Quadruplet	12	-	-	-	-	4	8	-	-	-
Quintuplet	0	-	-	-	-	-	-	-	-	-
Apgar Score at 5 Minutes										
6 or less	5,379	13	172	330	1,138	1,166	1,405	885	270	-
7	4,979	10	172	310	1,074	1,116	1,241	792	264	-
8	17,645	28	546	1,032	3,728	4,246	4,452	2,807	806	-
9	95,572	134	2,490	5,108	20,900	24,321	24,942	14,031	3,646	-
10	263	-	6	13	62	77	69	28	8	-
Not stated	185	2	10	10	48	48	31	26	9	1
Place of Birth										
Home	468	2	19	21	104	98	118	82	24	-
Voluntary Hospital, Private Service	60,902	30	603	1,339	8,346	14,764	20,099	12,234	3,487	-
Voluntary Hospital, General Service	38,883	104	1,786	3,467	11,714	9,987	7,276	3,694	855	-
Municipal Hospital	23,175	49	964	1,948	6,639	5,970	4,501	2,478	626	-
Birthing Center	465	-	21	23	119	121	116	55	10	-
Other	130	2	3	5	28	34	30	26	1	1
Attendant										
Physician	110,338	145	2,752	5,596	22,869	27,538	29,526	17,217	4,695	-
Certified Nurse Midwife	13,125	40	606	1,166	3,903	3,299	2,524	1,289	298	-
Other	560	2	38	41	178	137	90	63	10	1
Financial Coverage										
Medicaid	64,160	150	2,778	5,561	19,564	16,476	11,935	6,188	1,508	-
HMO	17,441	10	193	366	2,289	4,220	5,839	3,507	1,017	-
Third Party	38,358	13	267	569	4,146	9,298	13,429	8,320	2,316	-
Self	3,783	13	147	288	884	905	875	514	157	-
Not stated	281	1	11	19	67	75	62	40	5	1
First Visit for Prenatal Care										
First Trimester (1-3 months)	79,227	65	1,520	3,527	15,244	19,598	22,660	13,158	3,455	-
Second Trimester (4-6 months)	27,587	62	1,163	2,042	7,237	6,873	5,827	3,390	993	-
Late (7-9 months)	7,649	37	395	681	2,053	1,952	1,516	814	201	-
No Care	782	9	62	73	207	146	145	106	34	-
Not stated	8,778	14	256	480	2,209	2,405	1,992	1,101	320	1
Marital Status of Mother										
Not Married	54,724	184	3,201	5,770	16,924	12,981	9,131	5,140	1,392	1
Married	69,299	3	195	1,033	10,026	17,993	23,009	13,429	3,611	-
Years of Education										
None	353	-	7	17	79	107	84	48	11	-
1-11	29,220	186	2,921	3,416	8,347	6,462	4,759	2,477	652	-
12	38,592	-	429	2,688	10,761	10,050	8,620	4,769	1,275	-
13 & over	55,222	-	8	647	7,607	14,200	18,542	11,189	3,029	-
Not stated	636	1	31	35	156	155	135	86	36	1
Birthplace of Mother										
United States other than Puerto Rico	57,512	131	2,187	3,866	12,912	12,454	14,811	8,726	2,425	-
Puerto Rico	2,437	3	113	203	698	591	437	301	91	-
Foreign	63,299	51	1,068	2,674	13,161	17,755	16,710	9,434	2,446	-
Not stated	775	2	28	60	179	174	182	108	41	1
Spontaneous Terminations of Pregnancy, 28 weeks & Over										
Total	444	-	16	25	85	110	93	84	28	3
Sex										
Male	204	-	4	12	44	45	45	38	14	2
Female	175	-	10	12	34	39	36	31	13	-
Undetermined	65	-	2	1	7	26	12	15	1	1
Weight at Delivery in Grams										
Under 500	17	-	2	-	4	5	2	2	2	-
500-999	48	-	2	3	8	8	11	10	5	1
1000-1499	47	-	1	3	8	16	10	7	2	-
1500-1999	59	-	4	4	13	13	11	11	3	-
2000-2499	44	-	2	4	11	10	8	9	-	-
2500 & over	127	-	4	8	27	31	23	20	13	1
Not stated	102	-	1	3	14	27	28	25	3	1

Table 33.

**Selected Characteristics of Live Births and Spontaneous Terminations of Pregnancy
28 Weeks Gestation and Over by Mother's Ethnic Group, New York City, 2001**

	Total	Ethnic Group of Mother							Not Stated
		Puerto Rican	Other Hispanic	Asian	Other White	Other Black	Other		
Total Live Births	124,023	10,846	29,310	14,662	36,581	32,123	342	159	
Sex									
Male	63,759	5,591	14,957	7,655	18,909	16,378	185	84	
Female	60,264	5,255	14,353	7,007	17,672	15,745	157	75	
Birth Order This Child (Live Births Only)									
First	54,380	4,430	12,368	7,251	16,808	13,291	145	87	
Second	37,874	3,199	9,249	5,123	10,946	9,190	133	34	
Third	18,091	1,745	4,988	1,655	4,549	5,093	45	16	
Fourth	7,349	795	1,784	417	1,900	2,430	11	12	
Fifth	3,037	357	577	129	872	1,092	5	5	
Sixth or Higher	3,292	320	344	87	1,506	1,027	3	5	
Weight at Delivery in Grams									
Under 500	155	10	35	13	21	71	-	5	
500-999	829	90	141	47	128	412	4	7	
1000-1499	1,067	129	236	69	220	410	1	2	
1500-1999	2,151	201	400	184	557	787	18	4	
2000-2499	6,310	610	1,241	747	1,564	2,117	21	10	
2500-2999	23,035	2,231	4,837	3,290	5,754	6,807	91	25	
3000-3499	47,957	4,042	11,619	6,198	13,827	12,075	128	68	
3500-3999	32,624	2,709	8,289	3,314	10,959	7,266	61	26	
4000-4499	8,512	720	2,151	708	3,076	1,833	15	9	
4500-4999	1,245	97	330	80	445	289	3	1	
5000 & over	137	7	31	12	30	56	-	1	
Not stated	1	-	-	-	-	-	-	1	
Plurality									
Single	119,606	10,506	28,604	14,328	34,663	31,017	333	155	
Twin	4,154	323	681	326	1,753	1,058	9	4	
Triplet	251	17	21	8	165	40	-	-	
Quadruplet	12	-	4	-	-	8	-	-	
Quintuplet	0	-	-	-	-	-	-	-	
Apgar Score at 5 Minutes									
6 or less	5,379	506	1,291	440	1,093	2,018	12	19	
7	4,979	488	1,281	426	1,205	1,560	13	6	
8	17,645	1,656	4,479	1,659	4,922	4,855	45	29	
9	95,572	8,145	22,158	12,092	29,279	23,532	268	98	
10	263	39	62	30	59	71	2	-	
Not stated	185	12	39	15	23	87	2	7	
Place of Birth									
Home	468	32	78	22	124	197	4	11	
Voluntary Hospital, Private Service	60,902	4,449	6,239	6,574	31,382	12,073	104	81	
Voluntary Hospital, General Service	38,883	3,947	13,641	5,077	3,765	12,360	31	62	
Municipal Hospital	23,175	2,338	9,255	2,951	1,114	7,312	202	3	
Birthing Center	465	75	69	24	180	116	1	-	
Other	130	5	28	14	16	65	-	2	
Attendant									
Physician	110,338	9,378	24,701	13,496	33,724	28,578	322	139	
Certified Nurse Midwife	13,125	1,408	4,442	1,110	2,761	3,371	19	14	
Other	560	60	167	56	96	174	1	6	
Financial Coverage									
Medicaid	64,160	6,563	22,355	7,954	7,437	19,571	221	59	
HMO	17,441	1,193	2,185	2,059	7,716	4,213	45	30	
Third Party	38,358	2,119	3,994	4,094	20,232	7,144	64	51	
Self	3,783	294	729	527	1,159	1,054	12	8	
Not stated	281	17	47	28	37	141	-	11	
First Visit for Prenatal Care									
First Trimester (1-3 months)	79,227	6,940	17,662	8,808	27,101	18,414	229	73	
Second Trimester (4-6 months)	27,587	2,508	7,509	3,834	5,271	8,360	77	28	
Late (7-9 months)	7,649	557	2,192	1,024	1,093	2,760	14	9	
No Care	782	100	155	37	57	430	2	1	
Not stated	8,778	741	1,792	959	3,059	2,159	20	48	
Marital Status of Mother									
Not Married	54,724	7,514	18,481	2,679	3,965	21,831	148	106	
Married	69,299	3,332	10,829	11,983	32,616	10,292	194	53	
Years of Education									
None	353	1	125	58	30	138	1	-	
1-11	29,220	4,062	11,689	3,343	2,382	7,637	95	12	
12	38,592	3,307	9,330	4,335	9,895	11,506	164	55	
13 & over	55,222	3,461	8,007	6,745	24,207	12,689	81	32	
Not stated	636	15	159	181	67	153	1	60	
Birthplace of Mother									
United States other than Puerto Rico	57,512	8,423	5,204	695	25,884	17,163	61	82	
Puerto Rico	2,437	2,284	130	-	15	8	-	-	
Foreign	63,299	76	23,888	13,868	10,480	14,683	281	23	
Not stated	775	63	88	99	202	269	-	54	
Spontaneous Terminations of Pregnancy, 28 weeks & Over									
Total	444	35	100	40	83	179	1	6	
Sex									
Male	204	14	51	17	33	86	1	2	
Female	175	15	34	16	34	73	-	3	
Undetermined	65	6	15	7	16	20	-	1	
Weight at Delivery in Grams									
Under 500	17	1	3	1	3	9	-	-	
500-999	48	4	10	5	4	24	-	1	
1000-1499	47	5	11	5	8	17	-	1	
1500-1999	59	5	10	6	13	23	-	2	
2000-2499	44	3	10	3	9	19	-	-	
2500 & over	127	11	34	9	23	48	-	2	
Not stated	102	6	22	11	23	39	1	-	

Table 34.

**Live Births by Selected Characteristics and Infant Deaths
by Health Center District of Residence, New York City, 2001**

Health Center District	Live Births	Rate*	Percent of Total Live Births with Specified Characteristics									Infant Mortality (Under 1 Year)		Neonatal Mortality (Under 28 Days)	
			Mother's Ancestry			Foreign Born Mother	First Live Birth	Under 2,500 Grams	Late or No Prenatal Care	Mother Not Married	On Medicaid	Number	Rate**	Number	Rate**
			Puerto Rican	Hispanic	Other Hispanic										
NEW YORK CITY	124,023	15.5	8.7	23.6	51.0	43.8	8.5	6.8	44.1	51.7	760	6.1	524	4.2	
MANHATTAN	19,759	12.9	7.2	26.5	45.8	52.4	8.3	6.2	39.9	46.1	106	5.4	78	3.9	
Central Harlem	2,058	16.6	7.6	14.1	36.2	39.2	11.7	11.9	75.8	76.6	27	13.1	20	9.7	
East Harlem	2,048	15.0	20.4	32.6	40.1	45.1	9.6	9.9	61.9	66.1	16	7.8	10	4.9	
Kips Bay-Yorkville	2,928	12.1	1.4	4.1	30.8	63.6	8.3	2.0	6.1	4.2	4	1.4	4	1.4	
Lower East Side	2,776	11.4	11.5	9.9	56.7	55.2	7.0	4.7	31.2	53.9	10	3.6	6	2.2	
Lower West Side	3,110	10.0	3.8	8.0	37.5	64.0	6.7	4.1	17.2	17.0	16	5.1	12	3.9	
Riverside	2,444	12.0	5.5	16.2	32.2	54.2	8.5	4.5	27.6	26.9	9	3.7	7	2.9	
Washington Heights	4,393	15.7	5.3	73.9	69.6	43.3	7.9	7.9	63.6	76.8	24	5.5	19	4.3	
BRONX	21,706	16.3	23.4	32.4	47.5	41.3	9.5	7.4	67.3	69.5	127	5.9	86	4.0	
Fordham-Riverdale	4,255	16.1	20.7	39.8	52.6	42.7	9.0	6.6	60.8	65.5	22	5.2	13	3.1	
Morrisania	3,389	20.2	22.3	34.6	48.1	37.9	10.1	8.2	74.8	77.1	18	5.3	14	4.1	
Mott Haven	2,357	17.0	32.5	37.9	38.4	38.7	9.8	9.8	77.4	81.0	12	5.1	7	3.0	
Pelham Bay	2,962	12.1	16.4	12.9	52.5	47.8	9.8	6.2	61.7	58.5	13	4.4	10	3.4	
Tremont	4,600	21.3	21.9	41.9	50.5	37.7	9.3	7.4	74.5	77.3	32	7.0	22	4.8	
Westchester	4,142	13.7	28.6	23.1	39.9	43.5	9.3	7.1	58.0	60.2	30	7.2	20	4.8	
BROOKLYN	39,697	16.1	5.9	17.6	51.5	41.3	8.6	6.8	45.1	57.3	238	6.0	163	4.1	
Bay Ridge	3,867	14.3	4.2	14.0	61.5	42.8	6.8	4.4	21.6	44.6	13	3.4	8	2.1	
Bedford	3,814	16.6	2.6	6.0	46.5	40.4	11.0	10.5	66.7	66.4	38	10.0	24	6.3	
Brownsville	4,971	16.5	7.6	11.6	48.5	39.0	12.1	10.0	67.9	63.7	40	8.0	28	5.6	
Bushwick	3,666	18.9	13.3	51.0	52.0	40.0	8.4	8.7	70.8	77.4	27	7.4	17	4.6	
Flatbush	8,686	16.1	1.8	10.2	60.1	39.9	8.8	7.1	41.8	50.4	64	7.4	49	5.6	
Fort Greene	2,143	14.0	6.8	17.8	33.0	46.8	9.5	7.8	62.0	58.8	14	6.5	7	3.3	
Gravesend	3,733	12.1	4.8	13.1	63.0	49.5	7.9	5.1	25.6	46.8	17	4.6	12	3.2	
Red Hook-Gowanus	1,443	12.9	12.2	13.5	29.2	54.8	8.5	3.5	33.2	30.8	3	2.1	2	1.4	
Sunset Park	4,242	21.6	6.8	27.0	54.4	38.6	6.1	3.2	30.1	63.4	15	3.5	9	2.1	
Williamsburg-Greenpoint	3,131	19.5	8.1	21.7	31.2	33.9	5.5	5.1	28.2	62.3	7	2.2	7	2.2	
QUEENS	27,336	12.3	4.3	31.7	69.6	44.9	7.7	9.0	42.9	54.8	135	4.9	97	3.5	
Astoria-Long Island City	3,378	12.5	3.6	37.1	74.1	49.5	5.9	9.7	40.6	60.3	10	3.0	6	1.8	
Corona	6,109	16.7	2.1	62.2	87.0	45.9	6.3	12.0	54.0	75.4	28	4.6	20	3.3	
Flushing	4,453	8.9	2.8	18.4	69.2	44.1	6.3	6.5	21.6	41.1	15	3.4	10	2.2	
Jamaica East	4,470	11.8	2.6	11.1	58.3	42.8	10.9	8.4	56.3	51.9	31	6.9	24	5.4	
Jamaica West	5,539	13.1	7.7	25.3	62.4	41.7	10.1	9.3	46.2	52.6	39	7.0	29	5.2	
Maspeth-Forest Hills	3,385	11.5	7.4	26.4	61.2	47.4	5.8	6.3	30.0	37.3	12	3.5	8	2.4	
RICHMOND	5,596	12.6	8.3	10.8	28.0	38.8	7.3	3.9	28.0	26.0	31	5.5	22	3.9	
NON-RESIDENTS	9,928	-	3.9	7.8	29.0	42.4	9.1	2.4	10.6	7.9	118	11.9	73	7.4	
RESIDENCE UNKNOWN	1	-	-	-	-	-	-	-	-	-	5	-	5	-	

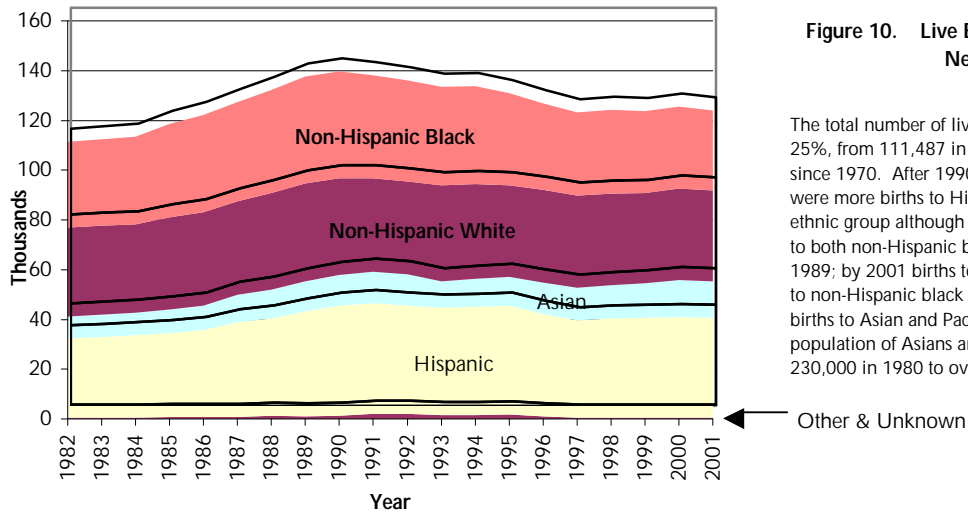
*Rate per 1,000 population. **Rate per 1,000 live births.

Table 35.

**Live Births by Selected Characteristics and Mother's Ancestry
New York City, 2001**

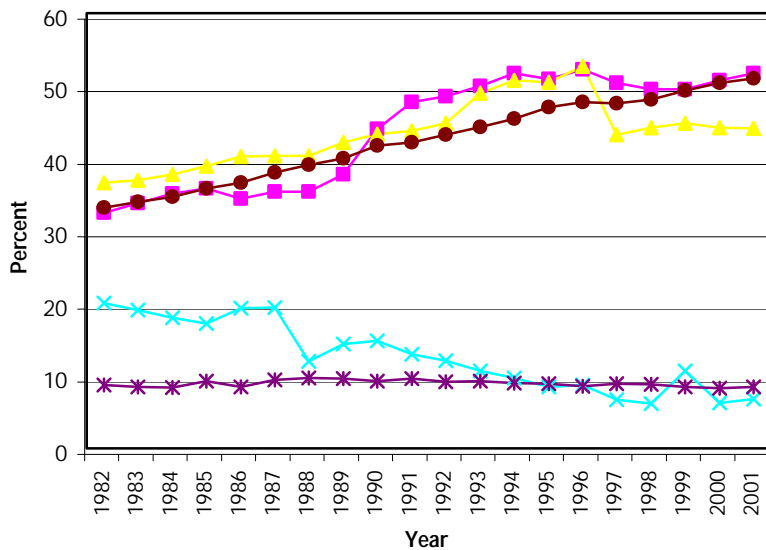
Ancestry of Mother	Live Births	Percent of Live Births with Specified Characteristics							Teenage Mother
		Foreign Born Mother	First Live Birth	Under 2,500 Grams	Late or No Prenatal Care	Mother Not Married	On Medicaid		
Total	124,023	51.0	43.8	8.5	6.8	44.1	51.7	8.4	
Puerto Rican	10,846	0.7	40.8	9.6	6.1	69.3	60.5	17.3	
Dominican	10,017	82.4	41.3	8.0	7.6	64.3	75.6	11.7	
Colombian	1,459	86.9	49.7	6.8	10.0	56.5	60.5	7.3	
Ecuadorian	3,058	89.9	40.8	5.3	9.9	51.2	78.0	8.9	
Mexican	6,937	96.9	42.3	5.5	8.1	72.8	91.9	16.0	
Cuban	332	33.1	51.5	6.3	4.2	41.6	31.6	6.6	
Other Hispanic	7,507	63.7	42.0	7.8	7.5	59.4	67.0	12.7	
African-American	18,919	11.9	41.9	12.9	8.6	76.9	59.5	16.0	
American	5,618	4.0	46.7	8.7	2.8	16.8	18.1	3.0	
Guyanese	2,341	97.4	40.4	13.1	7.0	44.0	50.3	4.9	
Haitian	1,917	91.1	42.4	9.3	10.4	40.5	55.8	3.4	
Jamaican	2,922	95.3	41.0	9.5	9.9	67.0	61.4	8.0	
Trinidadian	1,525	96.8	43.9	13.7	14.0	54.5	63.9	7.0	
Other North, Central and South American	2,953	93.3	43.4	9.6	9.6	54.2	55.2	5.5	
English	893	23.7	55.9	5.7	1.5	7.5	3.4	0.1	
German	1,879	12.8	53.4	8.1	2.3	12.6	7.1	1.1	
Irish	3,377	10.6	50.1	6.5	2.0	11.4	6.6	1.0	
Italian	5,443	7.6	46.4	6.4	1.6	12.2	8.1	1.8	
Polish	1,335	55.4	54.5	5.7	5.8	15.1	29.2	2.0	
Russian	2,191	61.7	51.2	7.1	3.7	14.2	20.0	1.6	
Other European	4,987	54.6	53.2	6.0	4.3	12.2	22.5	1.8	
Asian Indian	1,847	95.9	50.0	9.5	7.1	14.2	42.4	1.8	
Bangladeshi	1,398	99.4	42.8	11.4	11.4	19.6	80.3	3.7	
Chinese	5,781	93.5	51.6	5.1	4.7	19.6	59.5	1.5	
Filipino	835	91.1	50.1	9.2	5.4	21.8	25.6	1.4	
Korean	889	93.9	52.3	4.4	7.4	9.2	37.1	0.6	
Pakistani	1,428	98.5	42.6	9.2	13.9	11.6	75.1	2.5	
Other Asian	3,817	89.9	46.8	6.3	7.0	13.8	45.2	4.2	
Jewish or Hebrew	6,757	101.6	57.5	14.4	4.9	9.5	78.9	5.1	
Other & Not Stated	4,815	75.9	40.4	8.1	12.6	35.9	59.0	3.6	

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



**Figure 10. Live Births by Mother's Ethnic Group
New York City, 1982-2001**

The total number of live births registered in New York City rose about 25%, from 111,487 in 1982 to 139,630 in 1990, the highest number since 1970. After 1990, live births declined 11%. Since 1990, there were more births to Hispanic women than to women of any other ethnic group although births to Puerto Rican women declined. Births to both non-Hispanic black and non-Hispanic white women peaked in 1989; by 2001 births to non-Hispanic white mothers declined 7%, and to non-Hispanic black mothers declined 25%. From 1982 to 2001, births to Asian and Pacific Islander women increased 68%, while the population of Asians and Pacific Islanders increased from about 230,000 in 1980 to over 489,000 in 1990 and 783,000 in 2000.



**Figure 11. Percent of Live Births with Specified
Characteristics, New York City, 1982-2001**

The percent of live births to foreign born mothers increased steadily in the last two decades, from 33.2 in 1982 to 51.0 in 2001, reflecting the inflow of new immigrants. The percent of mothers on Medicaid when they delivered their babies surged during the late 80s and early 90s. The percent of low birth weight is virtually flat for the past 20 years. The percent of late or no prenatal care had a downward trend, from 20.0 in 1982 to 6.8 in 2001. Percent of mothers not married when they had a birth increased from 1982 to 1996. Please note that the method used to compute mother's marital status was changed in 1997. As a result, unmarried mothers declined 19.2% in a sample tested by using both old and new methods. See the Special Note On Mother's Marital Status, Summary of Vital Statistics, 1997. pp.32-



Table 36.

**Live Births by Selected Characteristics and Infant Deaths
by Community District of Residence, New York City, 2001**

Community District	Percent of Total Live Births with Specified Characteristics											Infant Mortality (Under 1 Year)		Neonatal Mortality (Under 28 Days)	
	Live Births	Rate*	Mother's Ancestry		Foreign Born Mother	First Live Birth	Under 2,500 Grams	Late or No Prenatal Care	Mother Not Married	On Medicaid	Number	Rate**	Number	Rate**	
			Puerto Rican	Hispanic Other											
Manhattan	19,645	12.8	7.2	26.4	45.8	52.4	8.2	6.1	39.7	46.0	106	5.4	78	4.0	
01	503	14.6	1.6	4.2	34.4	59.8	7.0	2.4	9.3	4.0	2	4.0	2	4.0	
02	754	8.1	1.1	4.6	41.9	66.4	5.7	3.1	14.1	14.5	1	1.3	1	1.3	
03	2,153	13.1	14.2	10.9	66.1	51.9	7.1	5.3	37.5	69.3	9	4.2	6	2.8	
04	748	8.6	10.0	17.5	38.8	60.8	7.0	7.1	32.8	33.6	4	5.3	2	2.7	
05	405	9.2	3.2	7.2	40.0	71.1	6.2	4.9	17.8	16.5	2	4.9	2	4.9	
06	1,244	9.1	1.5	5.5	34.4	66.2	8.0	3.1	7.8	4.8	3	2.4	2	1.6	
07	2,608	12.6	4.6	11.7	28.8	59.0	8.1	3.1	18.4	16.2	11	4.2	8	3.1	
08	2,688	12.4	2.3	4.2	28.5	61.4	8.4	1.7	7.1	5.5	4	1.5	4	1.5	
09	1,544	13.8	4.9	49.1	57.8	42.7	7.5	8.0	61.7	71.8	8	5.2	6	3.9	
10	1,821	17.0	6.9	14.3	37.8	38.8	11.6	11.6	75.5	77.1	24	13.2	17	9.3	
11	1,895	16.1	22.2	35.4	40.1	42.5	10.0	11.9	73.8	78.0	19	10.0	13	6.9	
12	3,280	15.7	5.2	78.0	71.4	44.2	7.9	7.8	61.9	75.5	19	5.8	15	4.6	
Bronx	21,820	16.4	23.4	32.5	47.5	41.3	9.5	7.4	67.3	69.5	127	5.8	86	3.9	
01	1,561	19.0	33.4	35.6	36.8	38.8	8.7	10.8	78.6	83.2	8	5.1	4	2.6	
02	970	20.7	34.4	41.8	41.0	38.1	9.8	7.6	74.4	76.4	6	6.2	5	5.2	
03	1,351	19.7	26.4	25.9	36.3	36.0	11.8	7.3	78.1	75.8	3	2.2	2	1.5	
04	2,900	20.8	17.5	42.1	57.1	38.0	9.5	8.2	72.9	77.8	20	6.9	17	5.9	
05	2,779	21.7	18.6	43.8	53.6	37.8	9.4	7.4	74.2	78.0	19	6.8	10	3.6	
06	1,449	19.1	32.3	32.1	38.4	36.8	8.8	7.4	76.8	73.7	10	6.9	6	4.1	
07	2,557	18.1	22.3	42.5	56.3	42.7	9.6	7.4	65.3	73.0	12	4.7	7	2.7	
08	1,190	11.7	13.5	39.1	49.1	47.3	8.4	5.0	42.9	46.3	6	5.0	5	4.2	
09	2,707	16.1	30.2	24.6	39.8	42.3	10.0	8.1	67.1	67.2	24	8.9	16	5.9	
10	1,014	8.7	27.9	13.5	28.3	48.1	9.4	4.5	41.0	37.0	3	3.0	1	1.0	
11	1,377	12.4	23.0	23.6	50.7	44.8	8.0	6.0	48.9	56.2	7	5.1	6	4.4	
12	1,964	13.2	12.4	9.8	57.1	48.6	10.1	6.5	65.9	62.3	9	4.6	7	3.6	
Brooklyn	39,697	16.1	5.9	17.6	51.5	41.3	8.6	6.8	45.1	57.3	238	6.0	163	4.1	
01	3,131	19.5	8.1	21.7	31.2	33.9	5.5	5.1	28.2	62.3	7	2.2	7	2.2	
02	1,092	11.1	6.4	15.1	30.4	54.1	8.6	4.7	47.0	41.7	6	5.5	3	2.7	
03	2,328	16.2	5.8	14.7	32.0	40.4	10.5	11.1	76.6	74.6	21	9.0	14	6.0	
04	2,074	19.9	13.1	62.0	53.1	39.5	7.8	7.5	71.2	80.9	14	6.8	7	3.4	
05	3,016	17.4	13.5	28.2	46.9	38.9	10.6	10.0	69.9	69.0	17	5.6	14	4.6	
06	1,412	13.6	11.6	12.5	27.3	53.5	8.5	3.2	30.9	28.5	6	4.2	5	3.5	
07	2,281	19.0	12.1	45.9	71.1	42.7	7.1	3.6	48.4	73.2	8	3.5	4	1.8	
08	1,536	16.0	3.8	6.3	44.8	43.4	11.7	10.4	69.7	64.2	18	11.7	10	6.5	
09	1,802	17.3	1.3	6.2	62.7	42.5	9.9	9.7	53.9	59.0	12	6.7	9	5.0	
10	1,666	13.6	5.0	11.5	60.9	45.2	6.6	4.4	19.3	39.9	5	3.0	2	1.2	
11	2,125	12.3	2.7	13.4	67.4	45.3	7.1	4.5	21.4	43.2	8	3.8	5	2.4	
12	4,240	22.9	1.7	10.7	43.7	33.8	5.8	3.4	14.1	51.6	10	2.4	6	1.4	
13	1,195	11.3	8.9	18.2	60.6	56.3	9.0	7.7	39.8	62.7	8	6.7	4	3.3	
14	3,035	18.0	1.9	15.4	64.4	39.7	8.4	7.1	42.5	54.8	24	7.9	21	6.9	
15	1,977	12.3	2.7	8.7	62.4	45.4	7.7	3.8	17.3	36.3	7	3.5	7	3.5	
16	1,498	17.6	6.8	11.1	32.2	36.4	14.5	11.5	79.2	74.0	19	12.7	12	8.0	
17	2,658	16.0	1.3	5.1	70.9	41.5	10.8	9.6	65.7	62.1	30	11.3	21	7.9	
18	2,625	13.5	3.7	5.7	56.0	41.5	9.6	7.4	43.4	40.2	18	6.9	12	4.6	
Queens	27,336	12.3	4.3	31.7	69.6	44.9	7.7	9.0	42.9	54.8	135	4.9	97	3.5	
01	2,393	11.3	4.1	32.9	69.2	50.1	6.0	10.0	39.6	58.3	9	3.8	5	2.1	
02	1,555	14.1	2.4	43.7	86.2	49.3	6.5	10.2	41.0	66.1	4	2.6	3	1.9	
03	2,713	16.0	2.4	72.0	85.1	45.3	5.9	12.0	57.8	75.7	11	4.1	8	2.9	
04	2,936	17.6	1.7	56.7	88.8	45.7	6.3	11.9	52.8	76.0	14	4.8	10	3.4	
05	2,025	12.2	10.5	34.2	55.2	43.7	5.5	6.4	37.2	45.8	9	4.4	5	2.5	
06	1,204	10.4	2.8	13.3	69.0	53.2	6.5	5.6	18.8	21.7	3	2.5	3	2.5	
07	2,386	9.8	2.1	23.5	76.1	46.5	5.4	7.0	25.9	50.8	4	1.7	3	1.3	
08	1,774	12.1	3.7	14.5	67.7	44.1	7.3	6.8	25.1	39.1	9	5.1	5	2.8	
09	2,018	14.3	8.9	31.8	71.2	44.3	9.5	6.8	41.8	51.7	16	7.9	14	6.9	
10	1,532	12.0	8.1	17.0	64.6	43.1	11.2	8.1	41.4	46.6	6	3.9	4	2.6	
11	719	6.2	1.9	14.5	59.4	42.8	6.1	5.7	12.9	22.8	3	4.2	2	2.8	
12	2,995	13.4	2.2	16.4	57.4	41.0	11.1	8.2	61.8	57.6	22	7.3	15	5.0	
13	1,807	9.2	3.8	9.6	60.9	43.1	10.0	8.6	45.9	43.4	10	5.5	9	5.0	
14	1,269	11.9	7.6	18.4	38.1	35.3	11.6	14.7	57.6	57.9	15	11.8	11	8.7	
Staten Island	5,596	12.6	8.3	10.8	28.0	38.8	7.3	3.9	28.0	26.0	31	5.5	22	3.9	
01	2,439	15.0	12.1	17.8	35.4	38.5	8.7	5.9	46.0	41.7	18	7.4	12	4.9	
02	1,390	10.9	5.9	7.6	34.1	40.5	6.0	3.1	19.6	22.1	7	5.0	5	3.6	
03	1,745	11.4	5.0	3.8	13.3	38.0	6.4	1.7	9.7	7.5	6	3.4	5	2.9	

*Rate per 1,000 population.

**Rate per 1,000 live births.

Table 37.

**Live Births by Mother's Birthplace and Borough of Residence
New York City, 2001**

Birthplace	Total	Borough of Residence					Non-Residents	Residence Unknown
		Manhattan	Bronx	Brooklyn	Queens	Richmond		
Bangladesh	1,412	69	183	298	845	4	13	-
China	4,719	1,277	98	1,782	1,360	37	165	-
Colombia	1,389	69	53	133	1,049	23	62	-
Cuba	105	24	24	15	22	2	18	-
Dominican Republic	8,666	2,592	3,321	1,428	1,172	33	120	-
Ecuador	2,906	285	350	577	1,629	20	45	-
El Salvador	801	47	104	170	426	6	48	-
Germany	255	117	14	54	30	5	35	-
Guyana	2,611	26	272	956	1,277	16	64	-
Haiti	1,953	64	38	1,307	409	11	124	-
Honduras	895	77	399	220	163	21	15	-
India	1,558	116	59	144	1,001	65	173	-
Ireland	307	49	30	25	138	4	61	-
Israel	1,093	140	21	634	132	51	115	-
Italy	337	77	19	102	54	46	39	-
Jamaica	3,755	91	957	1,680	837	27	163	-
Korea	831	109	20	66	521	22	93	-
Mexico	6,910	937	1,356	2,238	1,981	351	47	-
Pakistan	1,399	32	67	665	534	39	62	-
Philippines	781	93	63	79	386	56	104	-
Poland	710	30	8	360	252	30	30	-
Puerto Rico	2,437	280	1,231	588	212	49	77	-
Russia	887	69	12	474	230	33	69	-
Trinidad and Tobago	2,033	57	115	1,177	597	33	54	-
Ukraine	621	33	6	436	56	41	49	-
United States	57,512	10,269	9,937	18,501	7,959	3,965	6,881	-
Other & Not Stated	17,140	2,730	2,949	5,588	4,064	606	1,202	1
Total	124,023	19,759	21,706	39,697	27,336	5,596	9,928	1

Table 38.

**Live Births by Mother's Birthplace and Age of Mother
New York City, 2001**

Birthplace	Total	Age						Unknown
		< 20	20-24	25-29	30-34	35-39	40+	
Bangladesh	1,412	52	358	501	321	151	29	-
China	4,719	72	935	1,549	1,401	624	138	-
Colombia	1,389	74	277	299	388	278	73	-
Cuba	105	2	11	18	23	35	16	-
Dominican Republic	8,666	762	2,169	2,315	2,078	1,099	243	-
Ecuador	2,906	234	728	790	645	412	97	-
El Salvador	801	70	232	243	153	84	19	-
Germany	255	11	24	42	96	61	21	-
Guyana	2,611	113	585	774	647	394	98	-
Haiti	1,953	55	276	466	580	421	155	-
Honduras	895	89	196	262	204	121	23	-
India	1,558	24	210	603	506	181	34	-
Ireland	307	2	10	49	130	97	19	-
Israel	1,093	28	207	358	314	134	52	-
Italy	337	1	20	60	134	94	28	-
Jamaica	3,755	272	784	879	893	713	214	-
Korea	831	3	27	269	353	153	26	-
Mexico	6,910	1,073	2,385	1,951	1,089	344	68	-
Pakistan	1,399	34	269	476	400	175	45	-
Philippines	781	9	68	153	287	190	74	-
Poland	710	18	139	265	172	96	20	-
Puerto Rico	2,437	319	698	591	437	301	91	-
Russia	887	19	167	314	247	110	30	-
Trinidad and Tobago	2,033	143	444	494	463	388	101	-
Ukraine	621	8	87	242	182	88	14	-
United States	57,512	6,184	12,912	12,454	14,811	8,726	2,425	-
Other & Not Stated	17,140	715	2,732	4,557	5,186	3,099	850	1
Total	124,023	10,386	26,950	30,974	32,140	18,569	5,003	1

Table 39.

Live Births to Teenagers by Selected Characteristics and Infant Deaths by Health Center District of Residence, New York City, 2001

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	10,386	8.4	18.1	35.0	36.5	84.4	10.1	12.1	88.1	81.7	77	7.4	47	4.5
MANHATTAN	1,526	7.7	17.5	45.0	37.0	84.9	9.6	13.1	89.8	91.5	10	6.6	4	2.6
Central Harlem	298	14.5	9.1	14.4	23.2	84.9	11.4	15.1	95.0	91.6	2	6.7	2	6.7
East Harlem	306	14.9	28.1	43.5	35.6	85.9	9.8	11.8	93.5	92.8	3	9.8	-	-
Kips Bay-Yorkville	44	1.5	18.2	6.8	22.7	90.9	15.9	6.8	90.9	81.8	1	22.7	1	22.7
Lower East Side	157	5.7	41.4	20.4	32.5	84.1	9.6	10.8	75.8	89.2	-	-	-	-
Lower West Side	94	3.0	22.3	19.1	23.4	80.9	8.5	19.1	90.4	80.9	3	31.9	1	10.6
Riverside	109	4.5	18.3	43.1	28.4	87.2	8.3	14.7	92.7	86.2	-	-	-	-
Washington Heights	518	11.8	7.7	79.2	52.5	84.4	8.3	12.5	88.2	95.2	1	1.9	-	-
BRONX	2,991	13.8	33.2	31.9	30.4	83.0	10.0	10.5	92.1	83.6	26	8.7	15	5.0
Fordham-Riverdale	512	12.0	29.1	45.5	38.5	83.8	11.1	7.8	90.6	81.6	4	7.8	2	3.9
Morrisania	528	15.6	31.6	27.8	27.7	84.3	8.9	11.6	93.4	80.9	6	11.4	4	7.6
Mott Haven	406	17.2	40.1	35.2	26.4	81.8	10.1	11.6	93.8	88.4	3	7.4	-	-
Pelham Bay	360	12.2	22.8	12.8	32.2	86.1	11.9	11.7	93.9	81.9	1	2.8	1	2.8
Tremont	727	15.8	33.6	37.4	30.7	80.2	9.8	9.6	91.1	83.5	8	11.0	5	6.9
Westchester	458	11.1	40.8	24.7	26.0	84.1	8.5	11.8	91.0	86.2	4	8.7	3	6.6
BROOKLYN	3,513	8.8	10.9	29.1	35.2	84.9	10.9	11.9	86.4	81.7	22	6.3	14	4.0
Bay Ridge	159	4.1	8.2	38.4	52.8	76.1	8.2	11.3	62.3	79.9	1	6.3	1	6.3
Bedford	436	11.4	5.7	7.8	26.8	85.1	9.9	15.8	96.1	83.7	2	4.6	1	2.3
Brownsville	634	12.8	9.9	14.0	22.6	83.4	14.5	15.8	95.9	81.5	7	11.0	4	6.3
Bushwick	571	15.6	13.8	52.4	33.3	82.7	10.0	11.9	93.7	87.0	3	5.3	2	3.5
Flatbush	568	6.5	3.5	21.0	47.9	87.7	12.0	13.6	80.8	73.1	4	7.0	3	5.3
Fort Greene	268	12.5	9.3	24.3	21.3	81.7	11.2	11.2	95.5	88.1	2	7.5	1	3.7
Gravesend	282	7.6	14.2	25.5	42.2	89.7	9.9	5.0	67.7	78.7	1	3.5	1	3.5
Red Hook-Gowanus	95	6.6	24.2	26.3	22.1	87.4	17.9	6.3	82.1	77.9	-	-	-	-
Sunset Park	298	7.0	17.4	55.0	57.0	86.6	8.1	5.4	78.2	83.9	2	6.7	1	3.4
Williamsburg-Greenpoint	202	6.5	21.3	47.0	32.2	88.1	5.9	9.9	77.7	82.7	-	-	-	-
QUEENS	1,829	6.7	8.3	46.6	50.5	85.2	8.5	15.2	86.2	76.8	9	4.9	7	3.8
Astoria-Long Island City	195	5.8	10.3	55.9	59.0	86.2	6.7	15.4	82.1	80.0	-	-	-	-
Corona	502	8.2	4.4	80.7	72.9	88.6	5.6	18.5	84.7	88.2	4	8.0	4	8.0
Flushing	125	2.8	8.0	47.2	54.4	77.6	13.6	19.2	76.0	69.6	1	8.0	1	8.0
Jamaica East	426	9.5	5.2	12.9	30.0	84.3	11.3	13.1	93.2	70.2	1	2.3	-	-
Jamaica West	429	7.7	12.6	35.0	41.0	84.1	9.1	14.0	88.3	71.8	3	7.0	2	4.7
Maspeth-Forest Hills	152	4.5	15.8	49.3	46.7	84.2	7.2	9.9	79.6	73.0	-	-	-	-
RICHMOND	366	6.5	18.3	26.0	33.6	83.1	9.8	8.5	85.8	66.4	3	8.2	1	2.7
NON-RESIDENTS	161	1.6	12.4	16.8	22.4	85.1	17.4	9.9	64.0	46.6	7	-	6	-
RESIDENCE UNKNOWN	-	-	-	-	-	-	-	-	-	-	-	-	-	-

*Rate per 1,000 live births to teenagers.

Table 40.

Live Births to Teenagers by Selected Characteristics, New York City, 1988-2001

	Year													
	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Total Live Births	132,226	137,673	139,630	138,148	136,002	133,583	133,662	131,009	126,901	123,313	124,252	123,739	125,563	124,023
Percent to Teenagers	10.4	10.3	10.1	10.1	10.1	10.4	10.6	10.5	10.3	9.6	9.5	9.0	8.6	8.4
Births to Teenagers	13,714	14,121	14,131	13,999	13,795	13,848	14,156	13,713	13,020	11,793	11,789	11,145	10,800	10,386
Percent of Births with Specified Characteristics:														
Puerto Rican	28.6	27.4	27.5	27.0	25.9	25.6	23.4	22.2	22.3	22.2	22.5	21.3	19.6	18.1
Other Hispanic	12.6	15.3	17.2	19.1	20.8	21.6	23.8	28.2	27.2	27.2	28.7	30.7	32.8	35.0
Foreign Born Mother	19.6	21.2	24.6	26.0	26.9	27.9	28.6	30.8	31.3	32.5	32.1	33.5	35.1	36.5
First Live Birth	79.5	79.8	78.7	77.4	78.2	77.9	77.5	78.2	80.2	81.5	81.8	82.2	82.9	84.4
Under 2,500 Grams	11.7	11.4	10.9	11.5	10.4	11.1	10.7	10.6	9.7	10.8	10.3	10.3	9.7	10.1
Prenatal Care* in First 6 Months of Pregnancy	65.8	61.8	60.2	64.0	65.6	66.1	69.5	71.3	71.7	67.3	68.8	69.8	77.7	80.7
Not Married	80.2	82.0	82.4	83.1	84.2	88.1	89.8	89.3	90.8	87.3	88.6	89.0	89.1	88.1
On Medicaid	62.8	66.8	74.2	78.0	79.2	79.4	80.6	78.6	81.5	80.2	78.5	77.7	79.3	81.7
Infant Mortality Rate*	15.0	13.5	13.1	13.6	11.0	11.9	9.9	12.3	9.4	9.5	7.5	8.5	8.3	7.4

*Rate per 1,000 live births to teenagers.

Table 41.

Live Births to Teenagers by Selected Characteristics and Infant Deaths by Community District of Residence, New York City, 2001

Community District	Percent of Live Births		Percent of Live Births with Specified Characteristics									Infant Mortality (Under 1 Year)		Neonatal Mortality (Under 28 Days)	
			Mother's Ancestry		Foreign Born 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	1,514	7.7	17.5	44.8	36.9	84.9	9.6	13.1	89.8	91.4	10	6.6	4	2.6	
01.....	2	0.4	50.0	50.0	-	50.0	-	-	100.0	-	-	-	-	-	
02.....	13	1.7	7.7	15.4	30.8	92.3	-	15.4	84.6	61.5	-	-	-	-	
03.....	154	7.2	41.6	20.1	32.5	84.4	9.7	10.4	76.0	89.6	-	-	-	-	
04.....	43	5.7	25.6	25.6	23.3	72.1	9.3	18.6	88.4	79.1	3	69.8	1	23.3	
05.....	27	6.7	22.2	7.4	18.5	92.6	11.1	18.5	96.3	88.9	-	-	-	-	
06.....	5	0.4	20.0	20.0	60.0	80.0	-	20.0	40.0	60.0	-	-	-	-	
07.....	68	2.6	20.6	42.6	23.5	88.2	11.8	19.1	95.6	88.2	-	-	-	-	
08.....	53	2.0	18.9	13.2	26.4	88.7	13.2	5.7	94.3	83.0	1	18.9	1	18.9	
09.....	173	11.2	8.7	57.8	43.9	81.5	6.9	12.1	91.3	93.1	-	-	-	-	
10.....	260	14.3	7.7	15.0	25.4	83.5	10.4	14.6	94.6	91.9	2	7.7	2	7.7	
11.....	333	17.6	27.3	39.9	32.1	87.1	11.1	12.9	93.7	93.1	3	9.0	-	-	
12.....	383	11.7	8.1	84.3	54.0	85.4	8.4	12.8	86.9	94.8	1	2.6	-	-	
Bronx	3,003	13.8	33.1	32.0	30.4	83.1	10.0	10.5	92.1	83.7	26	8.7	15	5.0	
01.....	285	18.3	38.9	36.5	26.0	82.8	8.1	12.6	95.1	89.5	2	7.0	-	-	
02.....	155	16.0	52.9	29.7	25.2	80.6	10.3	9.0	90.3	86.5	2	12.9	1	6.5	
03.....	239	17.7	33.9	20.5	20.1	81.2	10.9	12.6	93.3	81.2	-	-	-	-	
04.....	407	14.0	23.1	38.1	35.6	82.8	9.3	11.1	91.9	79.6	6	14.7	4	9.8	
05.....	447	16.1	27.1	40.0	34.9	81.7	8.9	10.1	90.2	82.8	5	11.2	1	2.2	
06.....	233	16.1	47.6	28.8	22.3	79.4	12.0	6.9	95.7	82.0	2	8.6	2	8.6	
07.....	350	13.7	31.4	46.3	38.9	85.1	10.6	7.1	90.6	84.3	4	11.4	3	8.6	
08.....	73	6.1	20.5	56.2	42.5	86.3	12.3	11.0	87.7	86.3	-	-	-	-	
09.....	349	12.9	39.0	24.9	25.5	84.0	9.7	11.2	91.7	86.8	3	8.6	2	5.7	
10.....	70	6.9	45.7	15.7	14.3	91.4	7.1	11.4	88.6	75.7	-	-	-	-	
11.....	135	9.8	37.8	25.2	37.8	80.0	7.4	13.3	87.4	84.4	1	7.4	1	7.4	
12.....	260	13.2	19.2	10.0	31.9	87.3	12.7	11.9	96.5	83.5	1	3.8	1	3.8	
Brooklyn	3,513	8.8	10.9	29.1	35.2	84.9	10.9	11.9	86.4	81.7	22	6.3	14	4.0	
01.....	202	6.5	21.3	47.0	32.2	88.1	5.9	9.9	77.7	82.7	-	-	-	-	
02.....	94	8.6	12.8	26.6	18.1	81.9	12.8	10.6	91.5	83.0	-	-	-	-	
03.....	363	15.6	7.2	14.3	17.9	82.9	8.0	13.5	97.0	89.0	2	5.5	2	5.5	
04.....	337	16.2	11.6	63.8	35.9	80.7	9.2	8.9	92.6	89.6	2	5.9	1	3.0	
05.....	439	14.6	17.3	28.2	23.5	82.9	13.9	16.2	95.0	81.5	3	6.8	3	6.8	
06.....	81	5.7	23.5	32.1	19.8	86.4	18.5	6.2	86.4	81.5	-	-	-	-	
07.....	224	9.8	22.3	63.4	60.3	83.5	8.9	5.4	87.1	88.8	1	4.5	1	4.5	
08.....	183	11.9	7.1	8.7	24.0	89.6	10.9	13.1	97.3	82.5	1	5.5	-	-	
09.....	136	7.5	2.9	8.1	52.9	90.4	11.0	19.9	91.2	83.8	1	7.4	-	-	
10.....	68	4.1	5.9	30.9	54.4	69.1	4.4	11.8	57.4	80.9	-	-	-	-	
11.....	75	3.5	6.7	49.3	60.0	85.3	10.7	10.7	73.3	82.7	-	-	-	-	
12.....	196	4.6	5.1	35.7	50.5	90.3	7.1	5.1	52.6	71.9	2	10.2	1	5.1	
13.....	144	12.1	18.8	25.0	33.3	91.0	11.1	4.2	75.0	85.4	-	-	-	-	
14.....	207	6.8	5.3	35.3	52.7	82.6	13.5	12.6	82.6	73.9	1	4.8	1	4.8	
15.....	109	5.5	10.1	17.4	48.6	89.9	9.2	4.6	50.5	67.0	1	9.2	1	9.2	
16.....	252	16.8	6.7	14.3	17.9	82.9	17.1	17.1	98.0	81.7	3	11.9	2	7.9	
17.....	236	8.9	2.5	5.5	47.0	87.7	13.1	12.3	91.9	76.3	2	8.5	2	8.5	
18.....	165	6.3	6.1	7.3	31.5	84.8	9.7	21.2	89.1	71.5	3	18.2	-	-	
Queens	1,829	6.7	8.3	46.6	50.5	85.2	8.5	15.2	86.2	76.8	9	4.9	7	3.8	
01.....	144	6.0	11.8	52.1	51.4	84.0	8.3	14.6	80.6	80.6	-	-	-	-	
02.....	81	5.2	6.2	65.4	75.3	90.1	3.7	18.5	85.2	77.8	1	12.3	1	12.3	
03.....	262	9.7	4.2	86.3	72.1	89.3	6.1	19.1	85.1	89.3	3	11.5	3	11.5	
04.....	215	7.3	4.2	75.8	74.9	87.9	4.7	17.7	83.7	88.8	-	-	-	-	
05.....	117	5.8	18.8	55.6	42.7	83.8	5.1	10.3	82.1	77.8	-	-	-	-	
06.....	30	2.5	6.7	23.3	56.7	86.7	16.7	6.7	73.3	50.0	-	-	-	-	
07.....	84	3.5	4.8	54.8	59.5	82.1	14.3	25.0	73.8	67.9	1	11.9	1	11.9	
08.....	55	3.1	10.9	30.9	50.9	87.3	9.1	9.1	81.8	70.9	-	-	-	-	
09.....	133	6.6	15.8	49.6	51.9	85.0	9.8	11.3	82.0	71.4	1	7.5	1	7.5	
10.....	87	5.7	13.8	23.0	44.8	92.0	11.5	5.7	88.5	66.7	1	11.5	-	-	
11.....	11	1.5	-	63.6	63.6	63.6	9.1	9.1	72.7	72.7	-	-	-	-	
12.....	330	11.0	4.2	16.4	29.4	81.5	11.2	13.6	95.2	71.2	1	3.0	-	-	
13.....	134	7.4	6.7	14.9	36.6	83.6	9.0	14.2	88.8	70.1	-	-	-	-	
14.....	146	11.5	13.7	23.3	22.6	81.5	9.6	19.9	93.8	74.0	1	6.8	1	6.8	
Staten Island	366	6.5	18.3	26.0	33.6	83.1	9.8	8.5	85.8	66.4	3	8.2	1	2.7	
01.....	280	11.5	17.9	27.9	36.1	79.3	10.7	7.9	87.5	72.9	2	7.1	1	3.6	
02.....	51	3.7	25.5	21.6	27.5	96.1	3.9	5.9	84.3	51.0	1	19.6	-	-	
03.....	33	1.9	9.1	18.2	24.2	97.0	12.1	15.2	78.8	39.4	-	-	-	-	

*Rate per 1,000 live births.

Table 42.

Live Births and Infant Deaths by Birth Weight, Ethnic Group**, and Age, New York City, 2001

Birth Weight in Grams	Live Births								Infant Deaths															
	Total								Age Under 28 Days								Age Under 7 Days							
	Total	Hispanic	Non-H White	Non-H Black	Asian & P.I.	Other/ Unk.	Total	Hispanic	Non-H White	Non-H Black	Asian & P.I.	Other/ Unk.	Total	Hispanic	Non-H White	Non-H Black	Asian & P.I.	Other/ Unk.						
Less than 500.....	155	45	21	71	13	5	125	37	12	59	12	5	121	37	12	57	10	5	118	34	12	57	10	5
500-999.....	829	231	128	412	47	11	258	74	37	129	13	5	213	67	32	101	9	4	177	58	28	79	8	4
1000-1499.....	1,067	365	220	410	69	3	45	12	14	19	-	-	33	9	11	13	-	-	22	5	8	9	-	-
1500-1999.....	2,151	601	557	787	184	22	44	16	13	12	3	-	33	11	10	9	3	-	21	7	5	7	2	-
2000-2499.....	6,310	1,851	1,564	2,117	747	31	53	18	13	19	3	-	24	11	5	6	2	-	15	6	3	4	2	-
Less than 2500.....	10,512	3,093	2,490	3,797	1,060	72	525	157	89	238	31	10	424	135	70	186	24	9	353	110	56	156	22	9
2500-2999.....	23,035	7,068	5,754	6,807	3,290	116	68	17	14	33	4	-	32	7	11	11	3	-	21	6	7	7	1	-
3000-3499.....	47,957	15,661	13,827	12,075	6,198	196	54	23	9	19	3	-	23	14	3	6	-	-	7	3	1	3	-	-
3500-3999.....	32,624	10,998	10,959	7,266	3,314	87	30	13	4	10	3	-	9	4	1	4	-	-	6	2	1	3	-	-
4000-4499.....	8,512	2,871	3,076	1,833	708	24	16	6	2	6	2	-	5	2	1	1	1	-	4	2	-	1	1	-
4500-4999.....	1,245	427	445	289	80	4	2	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5000 & over.....	137	38	30	56	12	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2500 & over.....	113,510	37,063	34,091	28,326	13,602	428	170	59	31	68	12	-	69	27	16	22	4	-	38	13	9	14	2	-
Not stated.....	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unmatched*.....	-	-	-	-	-	-	65	9	34	16	3	3	31	4	16	7	1	3	18	3	7	6	-	2
Total.....	124,023	40,156	36,581	32,123	14,662	501	760	225	154	322	46	13	524	166	102	215	29	12	409	126	72	176	24	11

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

** Ethnic group is defined by mother's information on the infant's birth certificate. However, in the absence of a matching birth certificate for an infant death, the information on the death certificate is used to assign a maternal ethnic group.

Table 43.

Infant Mortality Rates by Birth Weight, Ethnic Group, and Age, New York City, 2001

Birth Weight in Grams	Total						Age Under 28 Days					Age Under 7 Days				
	Total	Hispanic	Non-H White	Non-H Black	Asian & P.I.	Total	Hispanic	Non-H White	Non-H Black	Asian & P.I.	Total	Hispanic	Non-H White	Non-H Black	Asian & P.I.	
Less than 500.....	806.5 *	**	**	**	**	780.6	**	**	**	**	761.3	**	**	**	**	
500-999.....	311.2	320.3	289.1	313.1	**	256.9	290.0	250.0	245.1	**	213.5	251.1	218.8	191.7	**	
1000-1499.....	42.2	32.9	63.6	46.3	**	30.9	24.7	50.0	31.7	**	20.6	13.7	36.4	22.0	**	
1500-1999.....	20.5	26.6	23.3	15.2	16.3	15.3	18.3	18.0	11.4	16.3	9.8	11.6	9.0	8.9	10.9	
2000-2499.....	8.4	9.7	8.3	9.0	4.0	3.8	5.9	3.2	2.8	2.7	2.4	3.2	1.9	1.9	2.7	
Less than 2500.....	49.9	50.8	35.7	62.7	29.2	40.3	43.6	28.1	49.0	22.6	33.6	35.6	22.5	41.1	20.8	
2500-2999.....	3.0	2.4	2.4	4.8	1.2	1.4	1.0	1.9	1.6	0.9	0.9	0.8	1.2	1.0	0.3	
3000-3499.....	1.1	1.5	0.7	1.6	0.5	0.5	0.9	0.2	0.5	-	0.1	0.2	0.1	0.2	-	
3500-3999.....	0.9	1.2	0.4	1.4	0.9	0.3	0.4	0.1	0.6	-	0.2	0.2	0.1	0.4	-	
4000-4499.....	1.9	2.1	0.7	3.3	2.8	0.6	0.7	0.3	0.5	1.4	0.5	0.7	-	0.5	1.4	
4500-4999.....	1.6	-	4.5	-	**	-	-	-	-	**	-	-	-	-	**	
5000 & over.....	-	**	**	**	**	-	**	**	**	**	-	-	**	**	**	
2500 & over.....	1.5	1.6	0.9	2.4	0.9	0.6	0.7	0.5	0.8	0.3	0.3	0.4	0.3	0.5	0.1	
Total.....	6.1	5.6	4.2	10.0	3.1	4.2	4.1	2.8	6.7	2.0	3.3	3.1	2.0	5.5	1.6	

* Rate per 1,000 live births. Births and deaths included here were registered in 2001 and do not represent a true birth cohort. ** Rate not computed where base is less than 100.

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

Table 44.

Infant Deaths by Ethnic Group and Cause by Sex and Age, New York City, 2001

	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		760	228	64	141	181	51	95
Ethnic Group*								
Hispanic		225	62	23	36	64	17	23
Non-Hispanic, White		154	46	15	24	26	15	28
Non-Hispanic, Black		322	100	22	69	76	17	38
Asian and Pacific Islanders		46	12	4	11	12	1	6
Other and not stated		13	8	-	1	3	1	-
Cause of Death (ICD-10 Codes)								
# Human Immunodeficiency Virus disease (B20-B24)	1.05	1	1	-	-	-	-	-
# Diseases of the Circulatory System (I00-I99)	0.71	16	1	-	9	1	-	5
# Influenza and Pneumonia (J10-J18)	0.76	10	-	-	8	-	-	2
# Newborn Affected by Maternal Complications of Pregnancy (P01)	1.03	16	12	-	-	4	-	-
# Newborn Affected by Complications of Placenta, Cord and Membranes (P02)	1.05	13	9	-	1	3	-	-
# Short Gestation and Low Birth Weight (P07)	1.11	98	45	2	4	43	4	-
# Intrauterine Hypoxia and Birth Asphyxia (P20-P21)	1.45	6	2	-	2	2	-	-
# Respiratory Distress of Newborn (P22)	1.03	38	20	5	-	10	3	-
# Pulmonary Hemorrhage Originating in the Perinatal Period (P26)	1.46	20	9	1	1	9	-	-
# Atelectasis (P28.0-P28.1)	2.06	12	3	1	1	5	2	-
##Other Respiratory Conditions Originating in the Perinatal Period (P23-P28)	0.85	29	5	2	8	9	1	4
##Cardiovascular Disorders Originating in the Perinatal Period (P29)		111	60	9	1	36	4	1
##Infections Specific to the Perinatal Period (P35-P39)	1.02	28	5	10	3	4	5	1
# Neonatal Hemorrhage (P50-P52, P54)	1.44	15	3	2	1	8	1	-
# Necrotizing Enterocolitis of Newborn (P77)	1.23	17	4	6	3	1	2	1
Remainder of Conditions Originating in the Perinatal Period (Rest of P00-P99)		19	7	1	-	7	-	4
# Congenital Malformations, Deformations (Q00-Q99)	0.91	178	36	19	35	33	27	28
Congenital Malformations of Heart (Q20-Q24)	1.00	68	7	12	15	7	14	13
# Sudden Infant Death Syndrome (R95)	1.04	20	-	-	11	-	-	9
All Other Diseases (Rest of A00-R99)		67	3	3	32	2	2	25
##External Causes (V01-Y89)	0.99	46	3	3	21	4	-	15

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

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

* Ethnic group is defined by mother's information on the infant's birth certificate. However, in the absence of a matching birth certificate for an infant death, the information on the death certificate is used to assign a maternal ethnic group.

Table 45. Live Births, Infant Deaths and Infant Mortality Rate (IMR) by Mother's Birthplace, New York City, 2001

Birthplace	Live Births	Infant Deaths	IMR
Dominican Republic	8,666	44	5.1
Mexico	6,910	23	3.3
China	4,719	7	1.5
Jamaica	3,755	27	7.2
Ecuador	2,906	14	4.8
Guyana	2,611	21	8.0
Trinidad and Tobago	2,033	21	10.3
Haiti	1,953	13	6.7
India	1,558	9	5.8
Bangladesh	1,412	4	2.8
Pakistan	1,399	5	3.6
Colombia	1,389	4	2.9
Israel	1,093	5	4.6
Honduras	895	4	4.5
Russia	887	1	1.1
Korea	831	1	1.2
El Salvador	801	3	3.7
Philippines	781	3	3.8
Poland	710	2	2.8
United Kingdom	627	9	14.4
Ukraine	621	2	3.2
Peru	607	5	8.2
Nigeria	606	13	21.5
Ghana	566	2	3.5
Egypt	536	2	3.7
Puerto Rico	2,437	18	7.4
United States	57,512	351	6.1
All Others and Unknown	15,202	147	-
New York City Total	124,023	760	6.1

Table 46.

**Live Births, Infant and Maternal Mortality by Mother's Ethnic Group
New York City, 1985-2001**

Mother's Ethnic Group (1)	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Live Births, Total	118,542	122,108	127,386	132,226	137,673	139,630	138,148	136,002	133,583	133,662	131,009	126,901	123,313	124,252	123,739	125,563	124,023
Puerto Rican	17,961	18,138	18,625	18,822	19,248	19,327	18,851	17,856	16,568	15,182	13,895	12,925	12,947	13,056	12,184	11,615	10,846
Other Hispanic	15,758	16,689	19,372	20,145	23,013	24,912	25,564	25,556	26,571	28,298	29,717	28,114	26,108	26,793	27,887	28,695	29,310
Asian and Pacific Islander	9,553	9,894	10,926	11,597	12,051	12,394	12,602	12,688	10,742	11,268	11,647	12,782	13,226	13,132	13,768	15,106	14,662
Other White	36,825	37,465	37,558	38,992	39,362	38,906	37,464	37,102	38,403	38,203	36,711	37,215	37,006	36,957	36,369	36,752	36,581
Other Black	37,616	39,064	40,020	41,356	43,069	42,844	41,486	40,662	39,768	39,195	37,217	34,798	33,500	33,675	32,960	32,879	32,123
Other & Unknown	829	858	885	1,314	930	1,247	2,181	2,138	1,531	1,516	1,822	1,067	526	639	571	516	501
Infant Deaths (Under 1 Year) (2) Total	1,591	1,566	1,673	1,770	1,827	1,620	1,575	1,390	1,366	1,207	1,155	992	881	843	848	839	760
Puerto Rican	226	240	240	241	257	238	211	194	178	120	146	112	96	85	95	98	74
Other Hispanic	139	156	182	186	219	195	187	170	196	174	197	164	141	129	156	140	151
Asian and Pacific Islander	76	63	65	79	93	67	76	73	61	57	57	56	51	49	55	59	46
Other White	368	323	350	353	321	300	278	227	244	223	204	197	189	201	167	165	154
Other Black	758	751	802	891	911	797	777	676	646	598	522	448	385	363	350	366	322
Other & Unknown	24	33	34	20	26	23	46	50	41	35	29	15	19	16	25	11	13
Infant Mortality Rate (3) Total	13.4	12.8	13.1	13.4	13.3	11.6	11.4	10.2	10.2	9.0	8.8	7.8	7.1	6.8	6.9	6.7	6.1
Puerto Rican	12.6	13.2	12.9	12.8	13.4	12.3	11.2	10.9	10.7	7.9	10.5	8.7	7.4	6.5	7.8	8.4	6.8
Other Hispanic	8.8	9.3	9.4	9.2	9.5	7.8	7.3	6.7	7.4	6.1	6.6	5.8	5.4	4.8	5.6	4.9	5.2
Asian and Pacific Islander	8.0	6.4	5.9	6.8	7.7	5.4	6.0	5.8	5.7	5.1	4.9	4.4	3.9	3.7	4.0	3.9	3.1
Other White	10.0	8.6	9.3	9.1	8.2	7.7	7.4	6.1	6.4	5.8	5.6	5.3	5.1	5.4	4.6	4.5	4.2
Other Black	20.2	19.2	20.0	21.5	21.2	18.6	18.7	16.6	16.2	15.3	14.0	12.9	11.5	10.8	10.6	11.1	10.0
Neonatal Deaths (Under 28 Days) Total	1,082	1,078	1,139	1,232	1,253	1,091	1,089	941	917	804	811	656	605	593	606	583	524
Puerto Rican	141	157	157	159	172	155	138	138	108	67	113	72	60	60	74	59	54
Other Hispanic	100	117	134	133	153	136	136	120	136	122	143	113	107	92	113	94	112
Asian and Pacific Islander	45	47	42	59	60	44	45	50	38	42	44	35	37	34	39	45	29
Other White	268	254	251	264	238	222	201	157	177	158	146	139	130	139	120	119	102
Other Black	513	481	535	602	610	518	533	436	425	389	342	283	257	252	236	257	215
Neonatal Mortality Rate (3) Total	9.1	8.8	8.9	9.3	9.1	7.8	7.9	6.9	6.9	6.0	6.2	5.2	4.9	4.8	4.9	4.6	4.2
Puerto Rican	7.9	8.7	8.4	8.4	8.9	8.0	7.3	7.7	6.5	4.4	8.1	5.6	4.6	4.6	6.1	5.1	5.0
Other Hispanic	6.3	7.0	6.9	6.6	6.6	5.5	5.3	4.7	5.1	4.3	4.8	4.0	4.1	3.4	4.1	3.3	3.8
Asian and Pacific Islander	4.7	4.8	3.8	5.1	5.0	3.6	3.6	3.9	3.5	3.7	3.8	2.7	2.8	2.6	2.8	3.0	2.0
Other White	7.3	6.8	6.7	6.8	6.0	5.7	5.4	4.2	4.6	4.1	4.0	3.7	3.5	3.8	3.3	3.2	2.8
Other Black	13.6	12.3	13.4	14.6	14.2	12.1	12.8	10.7	10.7	9.9	9.2	8.1	7.7	7.5	7.2	7.8	6.7
Maternal Causes, Total *	30	29	28	26	29	35	24	30	20	29	26	22	17	16	24	30	41
Puerto Rican	1	4	2	2	4	1	4	2	2	4	3	1	1	1	1	-	2
Other Hispanic	6	-	4	6	2	4	2	3	2	5	7	4	2	2	3	7	7
Asian and Pacific Islander	1	2	6	1	1	1	-	1	-	2	1	1	1	1	1	1	-
Other White	3	6	3	2	2	2	2	6	-	6	-	4	2	2	6	2	4
Other Black	15	14	8	15	20	25	15	16	14	12	14	11	11	10	12	20	27
Maternal Mortality Rate (4) Total	25.3	23.7	22.0	19.7	21.1	25.1	17.4	22.1	15.0	21.7	19.8	17.3	13.8	12.9	19.4	23.9	33.1
Puerto Rican	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	-	18.4
Other Hispanic	38.1	-	20.6	29.8	8.7	16.1	7.8	11.7	7.5	17.7	23.6	14.2	7.7	7.5	10.8	24.4	23.9
Asian and Pacific Islander	10.5	20.2	54.9	8.6	8.3	8.1	-	7.9	-	17.7	8.6	7.8	7.6	7.6	7.3	6.6	-
Other White	8.1	16.0	8.0	5.1	5.1	5.1	5.3	16.2	-	15.7	-	10.7	5.4	5.4	16.5	5.4	10.9
Other Black	39.9	35.8	20.0	36.3	46.4	58.4	36.2	39.3	35.2	30.6	37.6	31.6	32.8	29.7	36.4	60.8	84.1

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

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

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

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

(3) Rate per 1,000 live births.

(4) Rate per 100,000 live births.

Table 47.

Cases of Reportable Diseases, New York City, 1940-2001

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
1956-1960	5,472	18,170	3,893	114	966	73	2,125	197			15,124	1,242	13,270
1961	4,360	4,796	1,543	2	249	69	2,820	216			20,017	3,374	18,285
1962	4,437	29,631	1,560	7	307	59	1,259	175			20,058	3,329	18,901
1963	4,891	7,406	3,294	1	212	50	1,287	147			19,312	3,481	22,912
1964	4,207	15,435	21,292	2	304	42	1,052	158			18,875	3,215	25,896
1965	4,242	4,127	1,031	0	194	68	792	162			16,999	2,897	29,032
1966	3,663	8,381	1,036	0	206	56	799	146			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	670	4,749	1,881	39,302
1978	1,307	405	152	0	54	88	271	30	499	493	5,567	2,060	40,208
1979	1,530	859	290	1	44	91	312	17	386	488	6,680	2,552	40,034
1980	1,514	1,210	105	0	30	110	319	15	364	562	5,906	2,387	43,699
1981	1,582	108	55	0	25	91	464	20	606	879	6,878	2,568	45,859
1982	1,594	49	36	2	53	104	583	21	689	1,117	7,296	2,602	46,960
1983	1,651	72	87	1	61	89	454	14	507	1,327	6,822	2,473	46,117
1984	1,629	113	111	0	20	75	427	9	560	1,528	6,796	2,285	48,032
1985	1,843	181	184	1	26	70	409	18	N.A.	N.A.	6,947	2,157	58,532
1986	2,223	944	2	0	10	81	N.A.	21	N.A.	N.A.	6,465	2,111	69,998
1987	2,197	449	3	0	15	57	206	8	172	1,213	10,472	4,452	84,022
1988	2,317	57	7	0	11	66	81	6	368	1,307	11,966	5,042	52,404
1989	2,545	135	16	0	19	50	108	9	502	1,418	13,748	4,362	40,533
1990	3,520	1,108	4	0	21	79	175	12	791	674	16,195	4,265	35,236
1991	3,673	1,909	2	0	22	30	325	5	1,283	440	14,895	3,133	28,945
1992	3,811	68	0	0	24	28	258	9	883	439	13,439	2,246	21,709
1993	3,235	19	22	0	116	40	267	5	1,028	472	10,476	1,129	18,477
1994	2,995	15	1	0	223	40	335	11	942	544	7,640	626	19,246
1995	2,445	5	6	0	36	54	211	8	1,008	494	7,577	362	16,361
1996	2,053	12	5	0	62	56	164	4	619	495	5,670	138	12,998
1997	1,730	13	25	0	42	57	218	14	920	460	4,889	97	14,556
1998	1,988	0	17	0	12	35	527	14	575	415	4,503	82	12,100
1999	1,460	3	6	0	7	59	310	143	412	305	3,682	130	12,207
2000	1,332	13	8	0	11	46	350	178	550	571	2,661	117	11,669
2001	1,261	7	6	0	6	42	481	172	454	666	3,267	282	12,614

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

5 anthrax cases (4 cutaneous, 1 inhalational) were confirmed and 2 probable cases were identified in fall 2001. See City Health Information, Vol. 21 No. 4, October 2002, pp. 14-18.

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

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

Table 48. Incidence of AIDS By Sex, Major Risk Group, and Year of Diagnosis, New York City, 1980-2001

Sex/Risk Group	1980-1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Male														
Intravenous Drug Use (IDU)	6,271	2,240	2,722	3,163	3,922	4,599	4,170	3,363	2,501	1,776	1,211	1,064	853	442
Sex with Men	10,785	2,645	2,651	2,869	3,219	3,580	3,585	2,725	1,939	1,409	1,077	1,018	996	809
IDU and Sex with Men	1,021	258	233	317	312	285	206	155	120	95	61	72	48	41
Transfusion	156	28	33	29	30	35	53	50	42	32	31	11	13	9
Heterosexual Transmission	47	32	35	68	121	238	347	415	397	349	304	254	268	200
Other	983	357	380	518	644	768	1,125	1,540	1,614	1,385	1,032	1,082	1,592	1,378
Total	19,263	5,560	6,054	6,964	8,248	9,505	9,486	8,248	6,613	5,046	3,716	3,501	3,770	2,879
Female														
Intravenous Drug Use	1,854	759	978	1,253	1,495	1,735	1,603	1,347	1,019	778	537	438	369	223
Heterosexual Transmission	711	322	431	529	707	1,039	1,073	1,017	854	721	534	459	356	235
Transfusion	96	16	19	12	24	22	27	33	39	30	26	17	17	9
Other	490	187	219	252	333	361	469	637	706	738	642	635	1,011	947
Total	3,151	1,284	1,647	2,046	2,559	3,157	3,172	3,034	2,618	2,267	1,739	1,549	1,753	1,414

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

Figures include reports through June 2002; data for recent years are incomplete due to reporting lag.

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

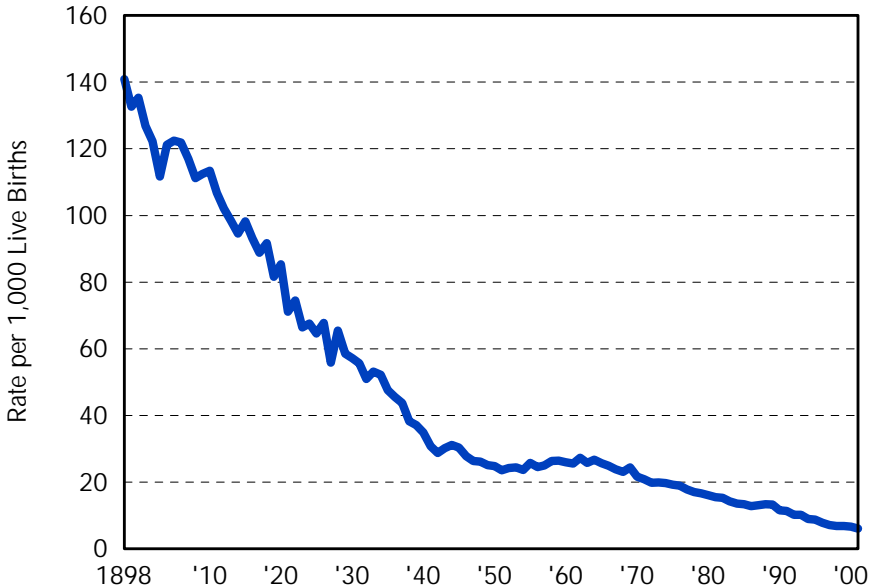


Figure 12. Infant Mortality Rate
New York City, 1898 - 2001

New York City took its present form in 1898 when its boundaries were extended to include all five boroughs: Manhattan, Bronx, Brooklyn, Queens and Staten Island. The infant mortality rate at that time is estimated at 136.7 deaths under one year of age per 1,000 live births, (Because of incomplete reporting of early neonatal deaths, this is almost certainly an underestimate.) Improvements in food and water safety in the earlier part of the twentieth century, and in access to medical care advances in recent years, have contributed to the decline to 6.1 deaths per 1,000 live births in 2001, an historic low.

Rates and Ratios Defined

The numerators of the rates in these tables are events occurring in New York City and reported during the year, unless otherwise specified. The denominator is the resident population figure from the 2000 census, including all ages and both sexes, unless otherwise specified.

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

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

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

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

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.

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

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

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

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.

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

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

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

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.

Special Section A: World Trade Center Disaster Deaths

World Trade Center Disaster Deaths

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

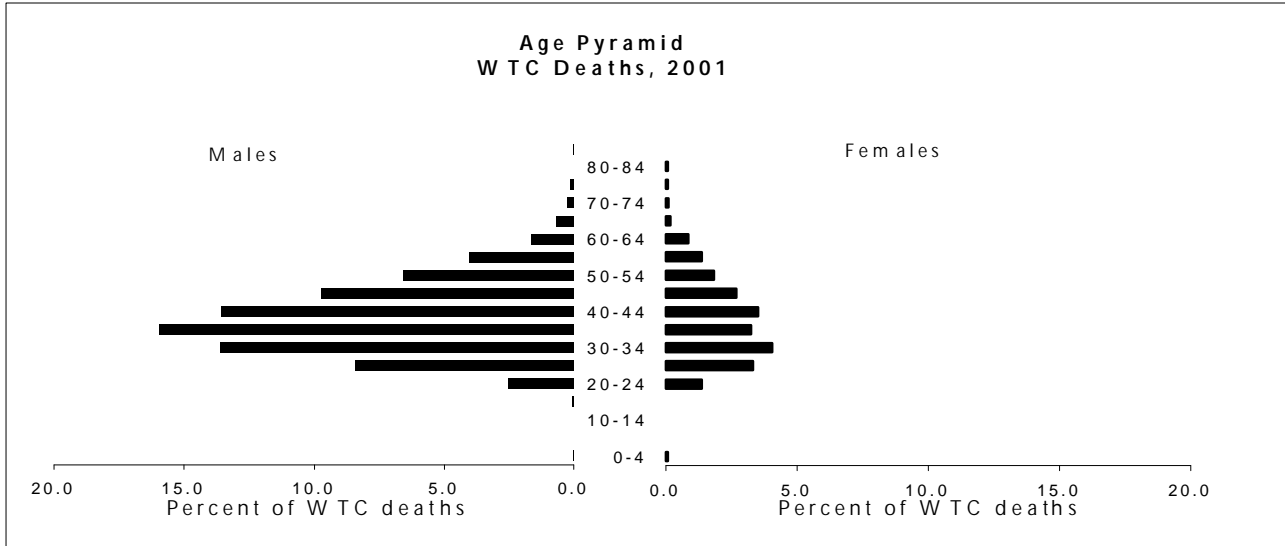
The data presented are not final, as some families have not yet requested death certificates. This report is based on 2,740 death certificates filed with the Office of Vital Records through February 21, 2003, about one and a half years after the event. These represent more than 98% of the total number of WTC deaths, based on current estimates. Data have been updated according to corrections and amendments submitted by the Medical Examiner's Office and family members. Most of the death certificates were issued in the absence of a body as a result of a court order. When remains are found, the death certificate is amended to reflect the new information. At current estimates, a complete presentation of the data will be contained in the 2002 Annual Summary.

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

The figure and tables below present data on selected demographic and other characteristics of the decedents. Figure A1 and Table A1 show that the majority of decedents were young men, with modal age 35-39 years. The median ages are 39 for men and 38 for women, respectively. Table A2 shows that virtually all of the deaths occurred at the time of the attack; only thirteen occurred later than September 11, 2001. Table A3 shows that about 29% of decedents were never married and 62% were married or separated. Table A4, residence of decedents, is expanded from last year's to show the number of

decedents by New York State counties and foreign countries. It shows that about 43% of decedents lived in New York City, another 22% lived elsewhere in New York State, and about 34% lived in other places of the United States. Twenty-five percent were residents of New Jersey. A total of 91 decedents were residents of Massachusetts, the origin of the two airplanes that struck the WTC, and 30 were residents of California, the destination of the flights. Table A5 presents that, of these 2,743 decedents, 61% were non-Hispanic white males, 15% were non-Hispanic white females, 7% were Hispanic males, 3% were Hispanic females, 5% were non-Hispanic black males, 3% were non-Hispanic black females, 4% were Asian/Pacific Islander males, and 2% were Asian/Pacific Islander females. A total of 1,846, 67% of all decedents, had graduated from college or had some postgraduate education. Table A6 presents the birthplace of the decedents (limited to five or more occurrences); while only 1% were residents of foreign countries, 21% were born abroad. About 98% of those killed were at work at the time, seen in Table A7. Table A8 and A9 are compiled from Census of Fatal Occupational Injuries (U.S Department of Labor, Bureau of Labor Statistics, in cooperation with the New York City Department of Health and Mental Hygiene and State and Federal agencies). Forty-three percent were in managerial and professional specialty occupations, 34% were in technical, sales, and administrative support occupations, and 20% in service occupations. Eighty-one percent worked for private industry and 19% worked for government at the time of incident. Among those who worked for private industry, 78% were in the finance, insurance, and real estate industries. Table A10 shows the impact of WTC death on 2000 life expectancy estimation. When WTC deaths were included in 1999-2001 New York City death data, life expectancy at birth decreased by 0.2 year for males. There was no change of life expectancy at birth for females. The biggest change, -0.4 year, happened at age 15 for non-Hispanic white males. Finally, Table A11 presents selected disasters in the history of New York City.

Figure A1. Age and Sex of Decedents*
(Preliminary data, reported by February 21, 2003)



* Includes three deaths outside New York City.

Table A1. Age and Sex of Decedents*
(Preliminary data, reported by February 21, 2003)

Age	Number		
	Male	Female	All
0-4	1	2	3
5-9	0	0	0
10-14	0	0	0
15-19	2	0	2
20-24	70	37	107
25-29	231	91	322
30-34	373	111	484
35-39	437	89	526
40-44	372	97	469
45-49	266	74	340
50-54	181	50	231
55-59	111	37	148
60-64	45	24	69
65-69	18	5	23
70-74	7	3	10
75-79	4	2	6
80-84	0	2	2
85+	1	0	1
Total	2,119	624	2,743
Median age	39	38	39

* Includes three deaths outside New York City.

Table A2. Deaths by Date of Death
(Preliminary data, reported by February 21, 2003)

Date of Death	Number
September 11, 2001	2,730
September 15, 2001	2
September 16, 2001	1
September 22, 2001 - Missouri*	1
September 30, 2001	1
October 09, 2001	1
October 14, 2001	1
October 22, 2001	1
October 26, 2001	1
October 30, 2001	1
November 28, 2001	1
December 11, 2001 - Massachusetts*	1
January 01, 2002 - New Jersey*	1
Total	2,743

* Deaths occurred outside New York City.

Table A3. Marital Status of Decedents*
(Preliminary data, reported by February 21, 2003)

Marital Status	Number
Married or separated	1,717
Never married	803
Divorced	182
Widowed	39
Unknown	2
Total	2,743

* Includes three deaths outside New York City.

Table A4. Residence of Decedents*
(Preliminary data, reported by February 21, 2003)

Residence	Number
New York City	1,176
Manhattan	340
Bronx	93
Brooklyn	292
Queens	257
Staten Island	194
New York State Counties Outside of New York City	597
Cattaraugus	1
Columbia	1
Delaware	1
Dutchess	6
Monroe	1
Nassau	243
Onondaga	1
Orange	34
Putnam	6
Rockland	46
Saratoga	2
Suffolk	143
Tompkins	1
Ulster	2
Westchester	109
United States Outside of New York State	943
Arizona	1
California	30
Colorado	2
Connecticut	64
Delaware	1
Florida	2
Georgia	4
Illinois	9
Indiana	1
Louisiana	1
Maine	3
Maryland	3
Massachusetts	91
Michigan	2
Missouri	2
New Hampshire	9
New Jersey	677
New Mexico	1
Ohio	1
Pennsylvania	27
Rhode Island	5
Tennessee	1
Texas	2
Utah	1
Virginia	3
Rest of the World	27
Australia	2
Bermuda	1
Canada	5
El Salvador	1
Germany	4
Israel	1
Japan	2
United Kingdom	11
Total	2,743

* Includes three deaths outside New York City.

Table A5. Deaths by Ethnic Group, Education, and Sex*
(Preliminary data, reported by February 21, 2003)

Ethnic/Education	Number		
	Male	Female	All
Hispanic			
Less than high school	11	2	13
High school	68	20	88
Some college	32	24	56
College or more	70	35	105
Unknown	1	-	1
Total	182	81	263
Non-Hispanic White			
Less than high school	5	1	6
High school	251	97	348
Some college	201	36	237
College or more	1,203	267	1,470
Unknown	12	3	15
Total	1,672	404	2,076
Non-Hispanic Black			
Less than high school	4	-	4
High school	43	26	69
Some college	22	8	30
College or more	64	43	107
Unknown	2	3	5
Total	135	80	215
Asian/Pacific Islander			
Less than high school	-	-	-
High school	8	1	9
Some college	5	4	9
College or more	107	48	155
Unknown	1	2	3
Total	121	55	176
Other and Unknown			
Less than high school	-	-	-
High school	1	1	2
Some college	1	1	2
College or more	7	2	9
Unknown	-	-	-
Total	9	4	13
All Ethnic Groups			
Less than high school	20	3	23
High school	371	145	516
Some college	261	73	334
College or more	1,451	395	1,846
Unknown	16	8	24
Total	2,119	624	2,743

* Includes three deaths outside New York City.

Table A6. Deaths by Birthplace*
(Preliminary data, reported by February 21, 2003)

Birthplace	Number
United States	2,171
United Kingdom	53
India	35
Puerto Rico	35
Dominican Republic	27
Japan	25
Jamaica	21
Canada	18
China	18
Colombia	18
Germany	16
Philippines	16
Trinidad and Tobago	15
Ecuador	14
Guyana	14
Italy	13
Ukraine	11
Korea	10
Ireland	8
Pakistan	8
Poland	8
Cuba	7
Haiti	7
Russia	7
Taiwan	7
Yugoslavia	6
Argentina	5
Austria	5
Bangladesh	5
Mexico	5
All Other Places	135
Total	2,743

* Includes three deaths outside New York City.

Table A7. Death at Work*
(Preliminary data, reported by February 21, 2003)

Death at Work	Number
Yes	2,678
No	65
Total	2,743

* Includes three deaths outside New York City.

See Technical Notes on World Trade Center Death Data.

Table A8. Occupation of Decedents*

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

Source: U.S. Department of Labor, Bureau of Labor Statistics, in cooperation with the New York City Department of Health and Mental Hygiene and State and Federal agencies, Census of Fatal Occupational Injuries.

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

Table A9. Deaths by Selected Industries*

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

Source: U.S. Department of Labor, Bureau of Labor Statistics, in cooperation with the New York City Department of Health and Mental Hygiene and State and Federal agencies, Census of Fatal Occupational Injuries.

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

Table A10. The Impact of WTC Deaths on 2000 Life Expectancy in New York City

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

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

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

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

Table A11. Selected Disasters in the History of New York City

November 12, 2001	American Airlines Flight 587 crashed in Rockaway, Queens: 265 deaths (260 on board, 5 on ground)
September 11, 2001	World Trade Center disaster: 2,740 deaths reported through February 21, 2003
February 26, 1993	World Trade Center bombing: 6 deaths
March 25, 1990	Happy Land Social Club fire, the Bronx: 87 deaths
June 24, 1975	Eastern Airlines 727 jet crashed in storm, JFK Airport: 113 deaths ¹
January 24, 1975	Bomb planted by FALN (Fuerzas Armadas de Liberación Nacional) in Fraunces Tavern: 4 deaths ²
February 10, 1973	Explosion, liquid natural gas facility on Staten Island: 40 deaths ²
October 17, 1966	Fire on East 23 rd Street, Manhattan: 12 firefighter deaths ²
March 1, 1962	American Airlines 707 crashed in Jamaica Bay: 95 deaths ²
December 19, 1960	USS Constellation, aircraft carrier, caught fire in Brooklyn Navy Yard: 50 deaths ⁴
December 16, 1960	Collision of United DC-8 jet and TWA Constellation over Staten Island: 134 deaths ³
November 22, 1950	Two commuter trains collided in Richmond Hill, Queens: 79 deaths ³
July 28, 1945	U.S. Army B-25 bomber crashed into Empire State Building: 14 deaths ²
September 16, 1920	Bomb exploded outside headquarters of J.P. Morgan Company, Wall Street: 30 deaths ²
November 1, 1918	BRT train derailed at Malbone Street, Brooklyn: 93 deaths ³
March 25, 1911	Triangle Shirtwaist fire, Manhattan: 146 deaths ⁴
June 15, 1904	General Slocum, excursion steamer, burned in East River: 1,021 deaths ⁴
December 5, 1876	Brooklyn Theater fire: 295 deaths ⁴

¹ The World Almanac and Book of Facts 2003. New York: World Almanac Education Group, 2003.

² Kroessler, Jeffrey A. New York Year by Year: A Chronology of the Great Metropolis. NY: NY University Press, 2002.

³ Cudahy, Brian J. The Malbone Street Wreck. New York: Fordham University Press, 1999.

⁴ Jackson, Kenneth T (ed.). The Encyclopedia of New York City. New Haven: Yale University Press, 1995.

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

New York City is an independent vital registration jurisdiction; its vital statistics and vital records functions are the same as those of a state. These activities are concentrated in the Department of Health's headquarters building in lower Manhattan, ten blocks (0.4 mile) from the World Trade Center (WTC) site.

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

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

NORMAL OPERATIONS

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

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

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

EMERGENCY RESPONSE

Burial Desk Operations - Within six hours of the attack Vital Records relocated its death registration operation 7.9 miles north to the Department's Central Harlem Health Center. By 4:00 p.m. on September 11, the Burial Desk resumed 24-hour-a-day operations and was able to issue burial permits and certified death certificates for all New York City deaths, including deaths directly related to the disaster. The Burial Desk remained at its emergency location for two and one-half months, until most traffic restrictions were removed and its telephone and fax service were restored.

Birth Registration - Hospitals and birthing institutions register births by delivering original paper birth certificates and diskettes

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

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

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

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

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

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

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

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

Special Section B: Flight 587 Air Crash Deaths

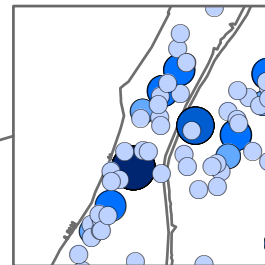
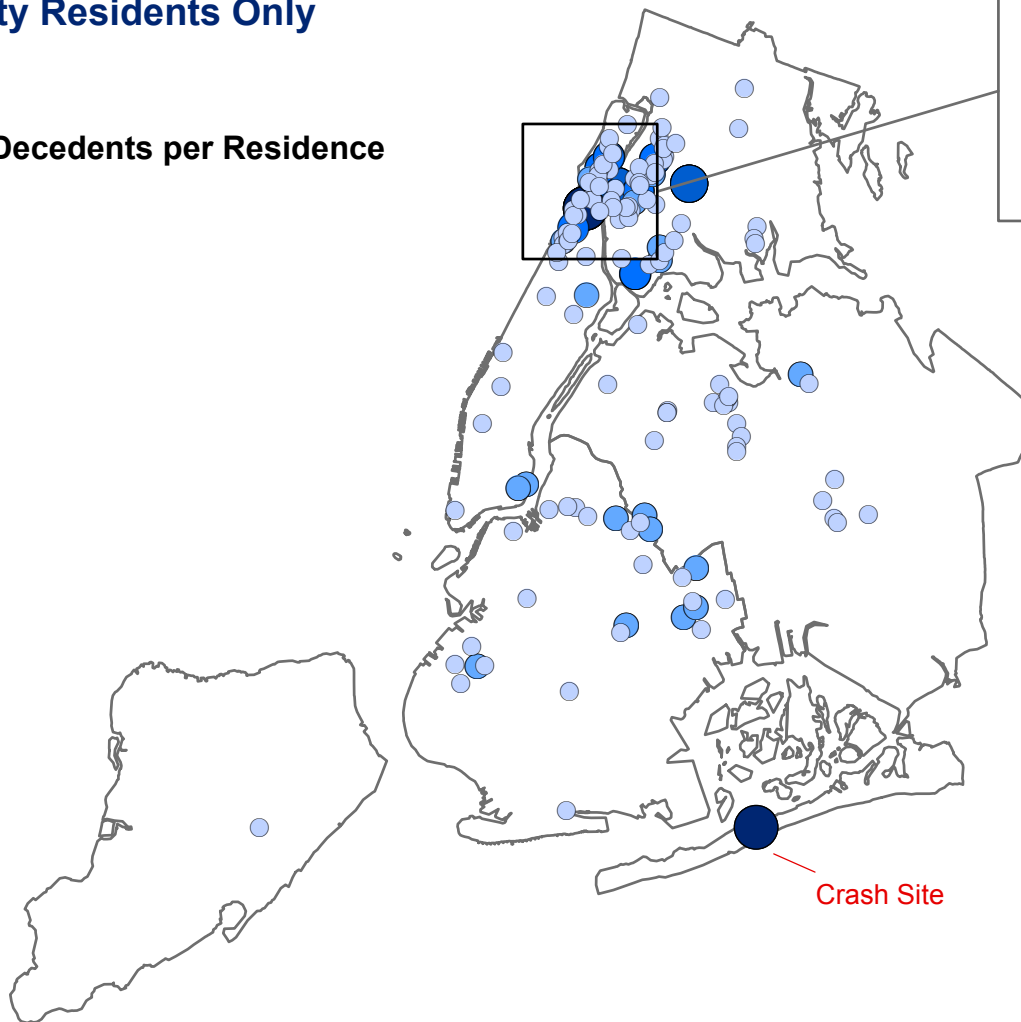
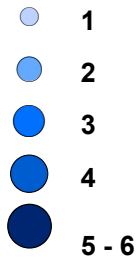
On November 12, 2001, American Airlines Flight 587 crashed shortly after takeoff in the residential neighborhood of Belle Harbor, Queens. It had taken off from John F. Kennedy International Airport and was bound for Santo Domingo, Dominican Republic. All 260 passengers and crewmembers were killed, as were five people on the ground. The Office of Chief Medical Examiner classified all the deaths as accidental. The death of 265 people makes this the second highest death toll in U.S. aviation history, after the 1979 crash of an American Airlines DC-10 in Chicago, in which 275 were killed.

The decedents were demographically homogeneous. They ranged in age from very young (17 were between

0-4) to old (2 were 85 and over), and were evenly distributed by sex, 127 (48%) male and 138 (52%) female (Table B1). Of the 265 decedents, 218 (82%) were Hispanic and 42 (16%) were white, non-Hispanic (Table B3). The majority of the decedents, 187 (71%), were born in the Dominican Republic, five were born in Puerto Rico, and 58 elsewhere in the U.S. (Table B4). Most decedents lived in New York City, 191 (72%), with the largest concentration in Manhattan, 60 (23%) and the Bronx, 65 (25%) (Table B2). The map (Figure B1), shows the geographic distribution of decedents by residence within the city. The area of detail shows the high concentration of decedents who lived in upper Manhattan and the Bronx.

**Figure B1. Residence of Flight 587 Air Crash Decedents
New York City Residents Only**

Number of Decedents per Residence



Crash Site

Table B1. Age and Sex of Decedents

Age Group	Male	Female	All
0-4	11	6	17
5-9	3	2	5
10-14	1	3	4
15-19	2	2	4
20-24	3	7	10
25-29	4	9	13
30-34	10	11	21
35-39	22	9	31
40-44	14	17	31
45-49	11	19	30
50-54	14	16	30
55-59	7	15	22
60-64	7	6	13
65-69	8	6	14
70-74	2	5	7
75-79	4	4	8
80-84	3	0	3
85 & Over	1	1	2
Total	127	138	265

Table B2. Residence of Decedents

Residence	Number
New York City	191
Manhattan	60
Bronx	65
Brooklyn	32
Queens	33
Staten Island	1
New York State Outside of New York City	25
Nassau	12
Putnam	1
Rockland	2
Suffolk	8
Tompkins	1
Westchester	1
United States Outside of New York State	30
California	1
Connecticut	3
Florida	1
Massachusetts	2
New Jersey	9
Pennsylvania	5
Rhode Island	9
Rest of the World	19
Dominican Republic	15
Puerto Rico	1
Taiwan	2
United Kingdom	1
Total	265

Table B3. Ethnicity and Sex of Decedents

Ethnic Group	Male	Female	All
Hispanic	100	118	218
White, Non Hispanic	24	18	42
Black, Non Hispanic	1	2	3
Asian & Pacific Islander	2	-	2
Total	127	138	265

Table B4. Birthplace of Decedents

Birthplace	Number
Dominican Republic	187
USA	58
Puerto Rico	5
All Other Places	15
Total	265

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

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

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

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

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

Preliminary comparability ratios, based on double coding 1.8 million records, are available and are shown in Table 4, Deaths by Cause by Decedent's Borough of Residence and Sex, and Comparability Ratio. See the discussion of tabulation lists below. A comparability ratio of 1.00 indicates that the same number of deaths was coded to a particular cause by both ICD-9 and ICD-10. However, these were not necessarily the same deaths, as several changes in procedure may have compensated for each other. Ratios that depart from 1.00 can be due to changes in the organization and level of detail between ICD-9 and ICD-10, reorganization of categories, or changes in coding rules. The preliminary comparability ratios shown in Table 3 should be interpreted cautiously for several reasons: the NCHS study is not complete; these are national data and New York City findings may differ to some extent; and the New York City Vital Statistics Summary may not have presented exactly the same cause of death groups under ICD-9 as NCHS did. NCHS hopes to have all data coded and final comparability ratios available in 2003. Then, construction and analysis of New York City comparability ratios will be possible.

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

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

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

! The comparability ratio for influenza and pneumonia of 0.70 is by far the lowest. The ratio indicates that the number of deaths coded to influenza and pneumonia under ICD-10 is only 70% as great as the number under ICD-9. In 1998, there were 2,680 deaths in New York City attributed to pneumonia and influenza (note the name change): application of the comparability ratio leads to a prediction of about 1,900 deaths in 1999, rather than the 2,474 actually reported. (There were between 2,500 and 2,700 deaths from pneumonia and influenza annually from 1994 through 1998, and 3,079 in 1993). In 2000, 2,267 deaths due to influenza and pneumonia were reported, still higher than that predicted. This change has implications for public health in that the classification of a sentinel public health event has changed so dramatically. When the final comparability data are received, detailed analysis of the change will be possible.

! The comparability ratio for asthma, a disease which has been the focus of a citywide initiative, is 0.89. There has been a gradual increase in asthma deaths from 1980. Two hundred and fifty deaths were reported in 1998 and 244 in 1999. The comparability ratio would predict 223 deaths, slightly lower than the number found. In 2000, the number declined to 213.

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

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

nephrosis, 1.23, and its component, renal failure, 1.29.

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

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

Detailed discussions of tables containing mortality data follow.

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

Two cause groups in Table 4 are not among the NCHS 113 selected causes and not eligible for selection as leading causes nationally: use of alcohol and use of psychoactive substances. They are of public health importance in New York City, and have been included

in our tables for decades. The cause mental and behavioral disorders due to use of alcohol includes several diseases which were not included in the alcohol dependence syndrome of ICD-9: alcoholic psychoses and non-dependent abuse of alcohol. Similarly, the cause mental and behavioral disorders due to psychoactive substance use excluding alcohol and tobacco, includes drug psychoses and non-dependent abuse of psychoactive drugs, in addition to drug dependence.

The category of deaths due to pregnancy, childbirth and the puerperium (the 42 days following termination of the pregnancy) has been expanded to include deaths due to obstetric causes occurring after the puerperal period.

This will encourage better reporting and improve public health surveillance and planning. These later deaths, however, are not included in the World Health Organization definition of maternal mortality.

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

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

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

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

Table 44, Infant Deaths by Ethnic Group 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.

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

! The number of marriages shown in Table 1 and in Table A is the number of marriage licenses issued by the City Clerk. Tables 22, 23, and 24 also use outside data sources; see Life Expectancy below. Tables A7, A8 and A9 use data compiled from the Census of Fatal Occupational Injuries (CFOI). See note on World Trade Center Death Data below.

! For public health purposes, the demographic and medical information on the certificates is coded in general agreement with standards developed by the National Center for Health Statistics (NCHS). In some instances, such as ancestry of decedent or mother, New York City data are more detailed.

! Because New York City law prohibits recording mother's marital status on the birth certificate, it is calculated using other items. (See Mother's Marital Status below.)

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

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

The 2000 census data is used to prepare life expectancy tables and age-specific and age-adjusted death rates; as noted below, these calculations use three years of pericensal mortality data.

LIFE EXPECTANCY, AGE SPECIFIC AND ADJUSTED DEATH RATES - Life expectancy tables summarize the effect of mortality rates prevailing at a specific time on persons being born or living at that time. Tables may be computed for population subgroups, most often males and females and race groups. The components required are counts and mortality figures for the desired subgroups. Life expectancy tables for New York City are presented for census years, when accurate population data are available. The mortality experience for the census year and for the year before and the year after is used to smooth statistical variation and reduce the large effect an unusual event in a single year can have, such as a flu epidemic or the World Trade Center disaster.

! 1990 Census MARS (modified for age, race, and sex) population and 1989-1991 mortality data were used to calculate 1990 life expectancy, average yearly age-sex-specific death rates for the three years (Table 23), and cause-specific average yearly age-sex-race adjusted death rates (Table 24). At the time of this publication, 2000 MARS population data were not available. 2000 census population data and 1999-2001 mortality data were used to prepare these tables. Adjustment allows comparisons between rates to be made over time or between geographic areas by eliminating the effects of differences in the composition of the populations. For 1999-2001, cause-specific rates are adjusted only for age to avoid losing too much information from crude death rates. A new 2000 US standard population is used to calculate cause-specific age-adjusted death rates while for earlier years the 1940 standard US population was used.

! A change in the data used for the 1980 and 1990 calculations is noted in Tables 23 and 24 by a line separating these rates from those for earlier years. The calculations for 1980 and 1990 used information on all deaths occurring to New York City residents regardless of place of occurrence (obtained from the New York State Department of Health), whereas previous computations used all deaths occurring in New York City regardless of residence of the decedent. The data were also used to compute 1980 life expectancy tables to facilitate comparisons with 1990 figures. For 2000, mortality data also include all New York City residents regardless of place of occurrence. Mortality data were obtained from NCHS, which may include more non-New York City occurrences than previous years when the data were obtained from New York State. Another line is drawn in Table 24 to show these differences, data source and standard population, between the 1999-2001 period and earlier years.

! 2000 life expectancy was estimated by ethnic groups instead of race to ascertain differences among Hispanics, non-Hispanic whites and non-Hispanic blacks. To enable comparison, life expectancy was recalculated by ethnic groups for 1990.

! Historical data on Hispanic ancestry and esti-

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

RACE, ANCESTRY, ETHNIC GROUP, AND BIRTHPLACE - Race in the 2000 Census

- The 2000 census permitted respondents to describe themselves and household members as being of more than one race, selecting from six race categories: white, black, American Indian and Alaska native, Asian, Native Hawaiian and Other Pacific Islander, and some other race. These categories yield 63 possible combinations. Respondents were also asked if they were of Hispanic origin. The resulting responses could be organized into 64 groups, referred to by the DCP as "mutually exclusive race/Hispanic categories." DCP combined categories into a set of seven: Hispanic origin, non-Hispanic White, non-Hispanic Black, non-Hispanic Asian or Pacific Islander, non-Hispanic American Indian and Alaska Native, non-Hispanic of some other race, and non-Hispanic of two or more races. These categories are equivalent to the vital statistics variable ethnicity (see below), except for the group of two or more races. (Vital statistics data currently collect only a single race.) In Table 2, population data are presented using DCP terminology, "mutually exclusive race and Hispanic origin" with the last three categories combined; the death data presented in Table 3 use the term ethnicity.

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

! In 1992, five additional codes for Asian and Pacific Islander races were added, following their introduction by NCHS: Asian Indian, Guamanian, Korean, Samoan and Vietnamese. Codes already in use included Chinese, Filipino, Hawaiian, Japanese and other.

! The ordered selection rules for ethnic group

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first assign Puerto Rican or other Hispanic ethnicities based on ancestry, regardless of race. Then, those of other ancestries are classified by race as Asian, non-Hispanic white, non-Hispanic black, other or unknown.

! In certain instances, the item birthplace is used to remove ambiguity in the race item.

! Persons whose race is black and whose ancestry is American are classified as being of African-American ancestry.

! Ancestry is defined by NCHS as the nationality, lineage, or country where the subject's ancestors were born before their arrival in the United States; if a religious group is reported, NCHS instructions are to ask for the country of origin or nationality. In New York City, enough certificates with ancestry reported as Jewish or Hebrew are received to warrant inclusion in these tables, notwithstanding the religious meaning of the terms. An increase in 1999 of about 2,000 in the number of mothers reporting Hebrew or Jewish ancestry resulted from quality assurance discussions with several hospitals that included clarification of the meaning of ancestry. These hospitals replaced the general term American with individual information provided by the patients.

! As the city's immigrant population has increased in recent years, so has interest in birthplace as a demographic variable. Tables on birthplace of decedents and of mothers were added in 2000.

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

HIV and AIDS Mortality - In ICD-10, deaths due to HIV disease are not divided into AIDS deaths and deaths due to other HIV infections, but are characterized by the resulting disease or condition. HIV deaths (ICD-10 codes B20-B24) are shown in Tables 4, 5, 6, 7, 8, 20, and 21, and Figure 6.

! From 1983 through 1986, AIDS and other HIV deaths were assigned code 279.1. In 1987, NCHS introduced code 042 for AIDS and 043-044 for other HIV deaths, and they were reported this way in Table 3 through 1998. Table 25 contains only AIDS deaths.

! A fuller discussion of the history of HIV coding can be found in the 1997 and 1998 Vital Statistics Summaries.

! The incidence data in Table 48 are provided by the New York City AIDS Surveillance Registry.

Their active surveillance system identifies persons diagnosed with AIDS, a reportable disease in New York State.

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

! Revised procedures at the Office of Chief Medical Examiner in 1989 led to a substantial portion of deaths related to drug use being classified as accidental drug poisonings. In prior years, virtually all such deaths were classified as due to drug dependence. New categories were added to various tables to maintain comparability with previously published vital statistics and are continued today. The poisoning codes are added to the natural cause codes in Tables 4, 5, 6, 7, 8, 21 and 25.

! A category of deaths due to accidents without the drug poisoning deaths is used for ranking leading causes and appears in Table 5 and 6. A fuller discussion of the history of drug death coding appears in the Vital Statistics Summaries of 1989 through 1998.

Maternal Death and Maternal Mortality - In ICD-10, the chapter Pregnancy, childbirth and the puerperium (codes O00-O99) includes codes for deaths occurring more than 42 days after the termination of the pregnancy, which did not exist in ICD-9. However, the definition of "maternal mortality" by the World Health Organization does not include these later deaths: included are deaths of a woman while pregnant or within 42 days of termination of pregnancy ... from any cause related to or aggravated by the pregnancy or its management ... This includes ICD-10 codes O00-O95, O98-O99 and A34, obstetrical tetanus. Note also that the denominator of the maternal mortality rate is live births. Since the 2000, Vital Statistics Summary, new lines have been inserted in Table 4 and Table 25 to clarify the difference. In Table 4, Deaths by Cause, all deaths due to pregnancy, childbirth and the puerperium are shown (and are rankable) followed by the smaller group of "maternal" deaths. In Table 25, Deaths and Crude Death Rates ... 1901-2001, the historical data are correctly relabeled "maternal causes" and a new category, pregnancy, childbirth and

the puerperium, is shown beginning in 1999, with ICD-10. In Table 46, Live Births, ... 1985-2001, the difference between the two categories is noted in a footnote, and an error in the 1999 data is corrected. In Table 5, Leading Causes by age, the larger, rankable, cause group appears for age 25-34 in this 2001 Summary.

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

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

! Legal intervention as a cause of death is defined in ICD-10 as including injuries inflicted by police or other law-enforcing agents ... in the course of arresting or attempting to arrest ... and other legal action.

! Complications of medical and surgical care was included with accidents in ICD-9 and is now shown separately.

! All death certificates for external causes are reported by the Office of Chief Medical Examiner. Deaths for which a cause has not been determined by the time the statistical file is closed are shown separately as pending final determination in Table 4; some of these pending deaths will be determined to be due to natural causes. The number has declined since 1989.

! The number of deaths classified as events of undetermined intent has declined since 1989, but they should be considered in analysis of deaths due to external causes.

! The site of accidents, home and public place, has been dropped because the reporting was not reliable.

Fatal Occupational Injuries - The Census of Fatal Occupational Injuries, which provides the data in Table 11 and the WTC tables A8 and A9, is carried out according to a protocol developed by the Bureau of Labor Statistics (BLS) of the U.S. Department of Labor. Autopsy and other reports for deaths due to external causes (see above) are reviewed if the injury occurred at work. Definitions and terminology are those of BLS, which may differ from those generally used in vital statistics. In 2000, a new race/ethnicity variable was introduced.

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

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the following year. The same definition applies to geographic subdivisions included in some tables. ! In this Summary, all characteristics of infant deaths are drawn from the death certificate except in Table 46, which uses the ethnic group of the mother from the child's birth certificate. In Tables 42 and 43, birth weight is based on the birth certificate.

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

AGE OF DECEDENT - For ages greater than one year, decedent's age is based on age at last birthday. For infants, actual age is used in minutes, hours, days or months. In previous editions of the Summary, if age were unknown it was coded to 65. Beginning with the 2001 Summary, unknown ages are not recoded. There were 16 decedents of unknown age, as shown in Table 3. Eight of them were Medical Examiner cases, with cause of death due to assault and legal intervention or events of undetermined intent.

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

PLACE OF BIRTH - Reporting of home births in Tables 32 and 33 has been corrected since 1996 to include events where the certificate was filed through a hospital.

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

! The new method uses only the presence or absence of a father's name on the birth certificate and the filing of an acknowledgment of paternity

to estimate marital status; a comparison of the surname of the parents was dropped. The new procedure is consistent with that used by New York State.

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

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

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

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

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

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

There is no translation from one system to the other.

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

! The numbers of births and deaths to Manhattan and Bronx residents differ between health center

district tables and community district tables because the northernmost Manhattan neighborhood of Marble Hill is in Manhattan under the health center district organization and in the Bronx under the community district system. The population-based rates may change as well. For example, in 2001, 42 deaths were reassigned from Manhattan to the Bronx, as seen in Table 7 and Table 8: the Manhattan death rate for all causes changed from 7.1 per 1,000 population to 7.0, while the rate for the Bronx did not change with the addition of the 42 deaths. Rates for the selected causes may change as well. For 2001 births, 114 events were reassigned, as shown in Table 34 and Table 36: the Manhattan birth rate declined from 12.9 to 12.8 per 1,000 population, while the Bronx rate increased from 16.3 to 16.4. Four births to teenagers were reassigned from Manhattan to the Bronx, seen in Tables 39 and 41; in both boroughs, percent of live births to teens remained same, 7.7 and 13.8 respectively.

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

events to residents have been assigned to Queens in both systems.

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

MARRIAGE - The number of marriage licenses issued by the City Clerk increased by 14,296 (25%) from 2000. The increase was almost entirely in January-April, 2001 and may be due to a change in federal immigration law that conferred benefits to persons if they act took certain actions by April 2001.

WORLD TRADE CENTER DEATH DATA -- Data are based on death certificates registered with the Office of Vital Records through February 21, 2003. The WTC data files have been updated for this report. This was accomplished by using amendments and corrections filed by the Office of Chief Medical Examiner, funeral directors and family members through April 23, 2002 for the first 2,696 records. The following variables were examined and corrected and amended, as necessary: age, race, ancestry, sex, birthplace, residence, occupation, industry and at-work status. There were 44 death certificates filed between April 24, 2002 and February 2003; these records have not been examined for amendments. The categories of occupations and industries in Special Section A (World Trade Center deaths) are from Census of Fatal Occupational Injuries (CFOI), which is conducted by the U.S. Department of

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Labor Statistics, in cooperation with New York City Department of Health and Mental Hygiene, State, and Federal agencies. The definitions are not the same as the ones on New York City death certificates. New York City death certificates ask for usual occupation, the kind of work done during most of a working lifetime and kind of business or industry. But CFOI uses for occupation at the time of the incident or exposure ac-

ording to the Bureau of Census Occupational Coding System. Industry is the standard industrial classification code(SIC) of the employer the decedent was working for at the time of the incident or exposure.

For WTC deaths, New York City has used the CFOI definition where fatal injury meets the CFOI work relationship criteria. Nine death certificates were changed from not at work to at work and

28 cases from at work to not at work according to CFOI's definition.

The total number in Table A8 and Table A9 includes individuals identified by the Census of Fatal Occupational Injuries even though New York City death certificates have yet been filed, and 3 deaths that occurred outside New York City.

Figure 13. Health Center Districts and Boroughs, New York City



Figure 14. Community Districts and Boroughs, New York City



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Life Expectancy - Life expectancy reached 77.6 years for New Yorkers in 2000, an historical high. It was 74.5 years for males, an increase from 67.7 years in 1990; and 80.2 years for females, an increase from 77.0 years in 1990. Contributing factors include declines in infant mortality, HIV deaths, and homicide deaths. Race/ethnicity disparities persist. Life expectancy at birth is 74.9 years for non-Hispanic white males compared to 69.1 years for non-Hispanic black males. Life expectancy at birth is 80.4 years for non-Hispanic white females compared to 76.5 years for non-Hispanic black females.

World Trade Center Disaster - The preliminary data on the deaths caused by the World Trade Center disaster on the morning of September 11, 2001, is presented in Special Section A of this report. The Section is expanded from last year to include education, marital status, occupation and industry of decedents. The section also contains a table of selected disasters in the history of New York City, and a description of the role of the Vital Statistics office in responding to the disaster. Among 2,743 deaths, 3 deaths occurred outside New York City.

Anthrax - One death was reported and classified as assault or homicide (Table 16). Five cases were confirmed (4 cutaneous, 1 inhaled). Two other probable cutaneous cases were identified. See the note under Table 47.

Flight 587 Air Crash - Two hundred sixty-five people were killed in the American Airlines Flight 587 air crash in Rockaway, Queens, on November 12, 2001. Special Section B presents some characteristics of decedents in this tragedy. A map of New York City residents who died in the crash is also included in this Section.

Births and Infant Deaths - The number of live births registered in 2001 decreased 1.2% to 124,023 from 125,563 in 2000, resuming a downward trend since 1990 after an increase in 2000. The number of births to teenagers continues to decline in both numbers, to 10,386, and as a percentage of all live births, to 8.4%. This decline mirrors national trends.

The infant mortality rate reached 6.1 infant (under one year

of age) deaths per 1,000 live births, the second year of consecutive historical low. However, the infant mortality rate increased in certain Health Center Districts, such as Central Harlem, Westchester, and Jamaica West.

Deaths - The number of deaths in New York City would have reached 60,218 in 2001, another low if the terrorist attack had not happened. As of February 21, 2003, 2,740 deaths from World Trade Center disaster were reported, increasing the total deaths to 62,958 in 2001.

The top three leading causes of death excluding World Trade Center deaths remained the same in 2001, in order: diseases of heart, malignant neoplasms, and influenza and pneumonia. The number of HIV deaths decreased from 1,961 to 1,774 and its ranking in leading causes of death dropped from 4th to 5th.

Induced Terminations of Pregnancy - Reported induced terminations of pregnancy decreased from 94,466 in 2000 to 91,792 in 2001, the third consecutive year of decline since 1999. The ratio of induced terminations of pregnancy per 1,000 live births remains three times as high as the nationwide ratio.

New Tables and Figures - The following new tables and figures are added in the 2001 Summary of Vital Statistics:

- Figure 4. Number of deaths from selected causes, 1982-2001;
- Table 29a. Induced terminations of pregnancy by women's marital status, age, and ethnic group, 1992-2001;
- Figure 9. Ratio of induced terminations of pregnancy, New York city and nationwide, 1992-2001;
- Figure 11. Percent of live births with specified characteristics, 1982-2001;
- Table 20. Expanded to include totals, in addition to male and female; and
- Table 42 - Table 44. Expanded from race (white, black) to ethnic group (Hispanic, Non-Hispanic white, Non-Hispanic black).



DEPARTMENT OF HEALTH AND MENTAL HYGIENE
Bureau of Vital Statistics

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