SUMMARY OF VITAL STATISTICS 2010
THE CITY OF NEW YORK

POPULATION AND MORTALITY

The Conquest of Pestilence in New York City

...As Shown by the Death Rate as Recorded in the Official Records of the Department of Health and Mental Hygiene.

THE IMPACT OF WTC DISASTER DEATHS ON NEW YORK CITY'S DEATH RATE

ALL DEATHS

EXCLUDING 2,747 WTC DEATHS

| POPULATION | 119,734 | 242,278 | 696,115 | 1,478,103 | 2,507,414 | 4,766,883 | 6,930,446 | 7,891,957 | 7,894,862 | 7,322,564 | 8,175,133 |

OLD CITY OF NEW YORK — *FORMER CITIES OF NEW YORK & BROOKLYN* — *GREATER CITY OF NEW YORK*

Michael R. Bloomberg, Mayor   Thomas Farley, MD, MPH, Commissioner

SUMMARY OF VITAL STATISTICS 2010
THE CITY OF NEW YORK

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NYC ™
Health

December 2011

POPULATION AND MORTALITY CONTENTS

Population and Mortality Contents (Continued)

THE NEW YORK CITY POPULATION

The New York City Bureau of Vital Statistics uses population counts in the United States (US) decennial Census and the yearly population estimates from the New York City Department of City Planning. In this section, we report on the composition of the New York City population by sex, age distribution, and race/ethnicity. Trend data use census annual population estimates, but 2010 data presentation uses 2010 census counts.

This section also includes a breakdown of birth, fertility, marriage, death, and infant mortality data from 1898 to the present (Table P1). Table P3 breaks down the number of marriages, births, deaths, and infant deaths by month and average per day. Tables P4 and P5 list the most popular baby names in New York City, listed historically back to 1898 and broken down by gender and ethnicity for current data. Please see Technical Notes sections "Population" and "Demographic Characteristics of Vital Events" for more detail on population and its usage.

Figure P1. Age Composition of the Population, New York City, 1910-2010
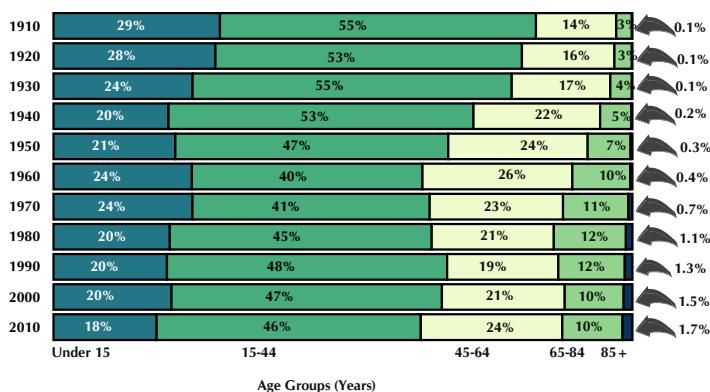
- The age composition of New York City reflects changes in life expectancy, immigration, and historic trends.

- The effect of the economic depression of the 1930s on the number of live births is seen in the lower percentage of residents younger than age 15 in 1940, while the post-World War II baby boom increased this segment rapidly after 1950.

- The proportion of residents aged 85 and older is greatest in the 2010 population. The proportion of residents aged 85 and older increased 1,600% from 1910 to 2010.

- This age-sex pyramid shows each age-sex group as a percentage of the total population.

- There are more females than males overall, 52.5% to 47.5%, and more females in every age group older than 19.

- The greatest difference is among those aged 85 and older, where there are more than twice as many women as men.

- The smaller populations of both males and females in the 5-9 and 10-14 age groups reflect the lower number of births in the late 1990s and early 2000s compared to births in the past 5 years.

Figure P2. Age-Sex Composition of the Population, New York City, 2010 Census
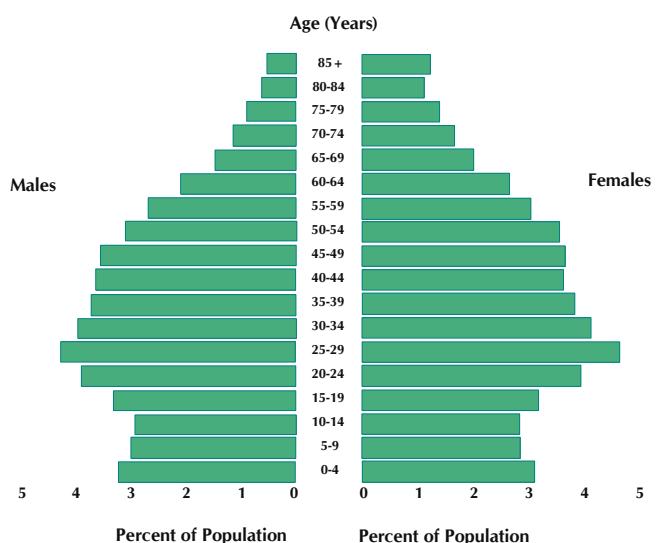
Table P1. Population, Fertility Rates, Marriages, Deaths, and Infant Mortality, New York City, 1898-2010

| | | Live Births | | Fertility Rates | Marriages‡ | | Deaths | | Infant Mortality | |
| | | Total | Rate per 1,000 | Per 1,000 Women | Total | Rate per 1,000 | Total | Rate per 1,000 | Deaths Under | Rate per 1,000 |
Year	Population	Reported*	Population	Aged 15-44	Reported*	Population	Reported*	Population	One Year*	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
1956-1960	7,806,000	166,949	21.4		68,281	8.7	84,290	10.8	4,290	25.7
1961-1965	7,816,200	165,197	21.1		68,318	8.7	87,597	11.2	4,333	26.2
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	63.6	58,637	8.3	76,625	10.8	1,719	16.1
1981	7,097,000	108,547	15.3	63.9	61,775	8.7	73,329	10.3	1,678	15.5
1982	7,122,000	111,487	15.7	65.1	66,619	9.4	73,083	10.3	1,706	15.3
1983	7,147,000	112,353	15.7	65.1	68,164	9.5	73,544	10.3	1,603	14.3
1984	7,172,000	113,332	15.8	65.1	76,336	10.6	74,278	10.4	1,540	13.6
1985	7,197,000	118,542	16.5	67.6	77,897	10.8	74,852	10.4	1,591	13.4
1986	7,222,000	122,108	16.9	69.0	82,199	11.4	75,702	10.5	1,566	12.8
1987	7,247,000	127,386	17.6	71.5	76,194	10.5	76,448	10.5	1,673	13.1
1988	7,272,000	132,226	18.2	73.6	74,137	10.2	77,817	10.7	1,770	13.4
1989	7,297,000	137,673	18.9	76.0	69,758	9.6	75,957	10.4	1,827	13.3
1990	7,322,564	139,630	19.1	76.5	71,301	9.7	73,875	10.1	1,620	11.6
1991	7,388,000	138,148	18.7	75.3	69,314	9.4	72,421	9.8	1,575	11.4
1992	7,455,000	136,002	18.2	73.8	71,947	9.7	71,001	9.5	1,390	10.2
1993	7,522,000	133,583	17.8	72.1	72,490	9.6	73,408	9.8	1,366	10.2
1994	7,590,000	133,662	17.6	71.8	70,438	9.3	71,038	9.4	1,207	9.0
1995	7,658,000	131,009	17.1	70.1	71,507	9.3	70,769	9.2	1,155	8.8
1996	7,727,000	126,901	16.4	67.5	79,361	10.3	66,784	8.6	992	7.8
1997	7,796,000	123,313	15.8	65.3	80,027	10.3	62,506	8.0	881	7.1
1998	7,866,000	124,252	15.8	65.5	53,661	6.8	61,010	7.8	843	6.8
1999	7,937,000	123,739	15.6	64.9	55,075	6.9	62,470	7.9	848	6.9
2000	8,008,278	125,563	15.7	65.5	58,291	7.3	60,839	7.6	839	6.7
2001†	8,060,000	124,023	15.4 †	64.4 †	72,587	9.0 †	62,964	7.8 †	760	6.1
2001†	8,060,000	Excluding World Trade Center disaster deaths					60,218	7.5 †		
2002†	8,072,000	122,937	15.2 †	64.1 †	65,490	8.1 †	59,651	7.4 †	742	6.0
2003†	8,068,000	124,345	15.4 †	65.1 †	61,101	7.6 †	59,213	7.3 †	807	6.5
2004†	8,043,000	124,099	15.4 †	65.3 †	62,057	7.7 †	57,466	7.1 †	760	6.1
2005†	8,013,000	122,725	15.3 †	65.0 †	66,348	8.3 †	57,068	7.1 †	732	6.0
2006†	7,994,000	125,506	15.7 †	66.6 †	65,619	8.2 †	55,391	6.9 †	740	5.9
2007	8,014,000	128,961	16.1	68.4	66,483	8.3	54,073	6.7	697	5.4
2008	8,068,000	127,680	15.8	67.3	66,670	8.3	54,193	6.7	698	5.5
2009	8,132,000	126,774	15.6	66.5	65,542	8.1	52,881	6.5	668	5.3
2010	8,175,133	124,791	15.3	65.3	67,051	8.2	52,575	6.4	609	4.9

* Figures prior to 1966 are averages across the years presented; single-year figures prior to 1966 appear in the annual summaries for 1965 and earlier. Figures for 1898-1913 births are estimated.

† Population data may vary by publication year. See Technical Notes: Population, Citywide.

‡ See Technical Notes: Vital Event Reporting.

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Table P2. Population Estimates by Age, Mutually Exclusive Racial/Ethnic Group, Origin, and Sex, New York City, 2010

Age in Years	All			Hispanic			Non-Hispanic White			Non-Hispanic Black			Asian and Pacific Islander			Other or Multiple Race		
	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female
All Ages	8,175,133	3,882,544	4,292,589	2,336,076	1,130,684	1,205,392	2,722,904	1,318,151	1,404,753	1,861,295	833,369	1,027,926	1,030,914	495,042	535,872	223,944	105,298	118,646
Under 5	517,724	264,436	253,288	180,898	92,376	88,522	145,771	74,773	70,998	114,110	57,621	56,489	55,270	28,621	26,649	21,675	11,045	10,630
5-9	473,159	241,413	231,746	166,960	85,015	81,945	119,064	61,349	57,715	115,709	58,423	57,286	53,900	27,792	26,108	17,526	8,834	8,692
10-14	468,154	238,596	229,558	166,886	85,161	81,725	107,402	55,391	52,011	124,750	62,769	61,981	53,065	27,214	25,851	16,051	8,061	7,990
15-19	535,833	271,815	264,018	192,983	99,260	93,723	119,598	60,127	59,471	146,123	73,293	72,830	60,082	30,596	29,486	17,047	8,539	8,508
20-24	642,585	312,967	329,618	204,084	105,776	98,308	195,060	90,442	104,618	143,582	69,025	74,557	81,278	39,135	42,143	18,581	8,589	9,992
25-29	730,190	348,048	382,142	204,681	103,820	100,861	269,760	128,158	141,602	135,634	61,238	74,396	100,357	45,915	54,442	19,758	8,917	10,841
30-34	662,255	320,497	341,758	189,879	94,634	95,245	232,431	118,030	114,401	126,501	55,594	70,907	95,493	44,148	51,345	17,951	8,091	9,860
35-39	587,407	285,708	301,699	171,425	84,897	86,528	191,573	100,052	91,521	121,604	52,527	69,077	86,915	40,797	46,118	15,890	7,435	8,455
40-44	567,280	274,657	292,623	165,328	80,112	85,216	174,241	91,584	82,657	133,993	58,444	75,549	78,079	37,274	40,805	15,639	7,243	8,396
45-49	565,692	270,857	294,835	155,257	72,900	82,357	172,185	89,722	82,463	144,237	63,349	80,888	78,816	37,822	40,994	15,197	7,064	8,133
50-54	541,684	254,729	286,955	136,239	62,157	74,082	179,581	89,681	89,900	136,158	59,292	76,866	75,974	37,199	38,775	13,732	6,400	7,332
55-59	475,535	218,466	257,069	112,262	49,520	62,742	177,567	85,886	91,681	111,619	47,510	64,109	63,442	30,691	32,751	10,645	4,859	5,786
60-64	414,477	185,515	228,962	91,862	39,548	52,314	170,507	79,894	90,613	92,994	38,291	54,703	50,663	24,016	26,647	8,451	3,766	4,685
65-69	297,167	128,754	168,413	66,343	27,819	38,524	121,292	55,305	65,987	71,407	27,907	43,500	32,330	15,182	17,148	5,795	2,541	3,254
70-74	234,294	98,867	135,427	51,075	20,474	30,601	100,220	44,549	55,671	53,199	20,098	33,101	25,754	12,022	13,732	4,046	1,724	2,322
75-79	178,019	71,872	106,147	36,274	13,502	22,772	83,724	36,074	47,650	37,058	13,006	24,052	18,332	8,262	10,070	2,631	1,028	1,603
80-84	142,272	52,138	90,134	24,193	8,188	16,005	77,656	30,166	47,490	27,014	8,377	18,637	11,656	4,742	6,914	1,753	665	1,088
85 & Over	141,406	43,209	98,197	19,447	5,525	13,922	85,272	26,968	58,304	25,603	6,605	18,998	9,508	3,614	5,894	1,576	497	1,079

Data Source: US Census Bureau, 2010 Census.

Table P3. Marriages, Births, Deaths, and Infant Deaths by Month and Average per Day, New York City, 2010

Months	Number				Average Per Day			
	Marriages*	Births	Deaths	Infant Deaths	Marriages	Births	Deaths	Infant Deaths
January	4,180	10,161	4,738	58	135	328	153	1.9
February	4,353	9,354	4,230	39	155	334	151	1.4
March	5,819	10,155	4,533	51	188	328	146	1.6
April	5,756	10,176	4,210	45	192	339	140	1.5
May	5,784	10,148	4,320	49	187	327	139	1.6
June	6,564	10,479	4,115	64	219	349	137	2.1
July	6,229	10,926	4,379	47	201	352	141	1.5
August	6,803	10,673	4,155	38	219	344	134	1.2
September	6,376	10,737	4,079	51	213	358	136	1.7
October	5,552	10,748	4,479	46	179	347	144	1.5
November	4,960	10,423	4,392	52	165	347	146	1.7
December	4,675	10,811	4,945	69	151	349	160	2.2
Total	67,051	124,791	52,575	609	184	342	144	1.7

* See Technical Notes: Vital Event Reporting.

Table P4. Most Popular Baby Names by Sex, New York City, Selected Years

	Girls										
Rank	1898	1928	1948	1980	1990	2000	2005	2007	2008	2009	2010
1	Mary	Mary	Linda	Jennifer	Stephanie	Ashley	Emily	Isabella*	Sophia	Isabella	Isabella
2	Catherine	Marie	Mary	Jessica	Jessica	Samantha	Ashley	Sophia*	Isabella	Sophia	Sophia
3	Margaret	Annie	Barbara	Melissa	Ashley	Kayla	Kayla	Emily	Emily	Mia	Olivia
4	Annie	Margaret	Patricia	Nicole	Jennifer	Emily	Sarah	Ashley	Olivia	Emily	Emily
5	Rose	Catherine	Susan	Michelle	Amanda	Brianna	Isabella	Sarah	Sarah	Olivia	Madison
6	Marie	Gloria	Kathleen	Elizabeth	Samantha	Sarah	Samantha	Kayla	Madison	Madison	Mia
7	Esther	Helen	Carol	Lisa	Nicole	Jessica	Sophia	Mia	Ashley	Sarah	Emma
8	Sarah	Teresa	Nancy	Christina	Christina	Nicole	Nicole	Olivia	Mia	Ashley	Leah
9	Frances	Joan	Margaret	Tiffany	Melissa	Michelle	Olivia	Samantha	Samantha	Leah	Sarah
10	Ida	Barbara	Diane	Maria	Michelle	Amanda	Rachel	Rachel	Emma	Emma	Chloe

	Boys										
Rank	1898	1928	1948	1980	1990	2000	2005	2007	2008	2009	2010
1	John	John	Robert	Michael	Michael	Michael	Michael	Daniel	Jayden	Jayden	Jayden
2	William	William	John	David	Christopher	Justin	Daniel	Jayden	Daniel	Daniel	Ethan
3	Charles	Joseph	James	Jason	Jonathan	Christopher	Joshua	Michael	Michael	Ethan	Daniel
4	George	James	Michael	Joseph	Anthony	Matthew	David	Matthew	Matthew	Michael	Jacob
5	Joseph	Richard	William	Christopher	David	Daniel	Justin	Justin	David	David	David
6	Edward	Edward	Richard	Anthony	Daniel	Anthony	Matthew	Joshua	Joshua	Justin	Justin
7	James	Robert	Joseph	John	Joseph	Joshua	Anthony	David	Justin	Matthew	Michael
8	Louis	Thomas	Thomas	Daniel	Matthew	David	Christopher	Anthony	Anthony	Joshua	Matthew
9	Francis	George	Stephen	Robert	John	Joseph	Joseph	Christopher	Christopher	Alexander	Joseph
10	Samuel	Louis	David	James	Andrew	Kevin	Nicholas	Joseph	Ethan* Ryan*	Christopher	Joshua

* Tied ranks.

Table P5. Most Popular Baby Names by Sex and Mother's Racial/Ethnic Group, New York City, 2010

	Girls				Boys			
Rank	Hispanic	NH-Black	NH-White	Asian & P.I.	Hispanic	NH-Black	NH-White	Asian & P.I.
1	Isabella	Madison	Esther	Sophia	Jayden	Jayden	Joseph	Ethan
2	Mia	Kayla	Olivia	Chloe	Justin	Joshua	David	Ryan
3	Emily	Nevaeh	Leah	Emily	Angel	Elijah	Jacob	Justin
4	Sophia	London	Sophia	Olivia	Jacob	Jeremiah	Michael	Eric
5	Ashley	Makayla	Emma*	Isabella	Christopher	Ethan	Daniel	Lucas
6	Camila	Jada	Rachel*	Fiona*	Alexander	Aiden	Moshe	Kevin
7	Madison	Taylor	Isabella	Sarah*	Daniel*	Justin*	Benjamin	Jason
8	Brianna	Chloe	Sarah	Angelina	Ethan*	Michael*	Matthew	Daniel
9	Gabriella	Brianna*	Chana	Angela†	Anthony	Christian	Alexander	Jayden
10	Samantha	Gabrielle*	Ava† Chaya†	Jasmine†	Brandon† Joshua†	Tyler	Jack* Samuel*	Matthew

*, † Tied ranks.

NH = non-Hispanic; P.I. = Pacific Islander. Mothers of other, multiple race, or unknown ethnic group not shown.

MORTALITY OVERVIEW

This section gives a broad understanding of mortality by cause in New York City and examines deaths due to specific causes and in subpopulations of New Yorkers. Mortality data are derived from death certificates, which contain demographic information such as the decedents' sex, race, and residence as well as information about the timing and cause of the death. In New York City, these certificates are completed by physicians and funeral directors, then more than 93% are submitted electronically through the Electronic Death Registration System (EDRS). The Office of Chief Medical Examiner investigates all deaths not due to natural causes, such as accidents and suicides.

Select Key Findings:

• The 2010 NYC death rate reached an historic low of 6.4 deaths per 1,000 population, a 14.7% decline from 7.5 in 2001 and a 1.5% decline from 6.5 in 2009.

• Heart disease, cancer, and Influenza/pneumonia continue to rank as the top three leading causes of death and all have declined in the last decade. The sharper decline in heart disease since last year (11.3%) is likely partly attributed to a cause of death quality improvement intervention (see Special Section in the Population and Mortality Report).

• First appearing among the top 10 leading causes of death in 2002, essential hypertension and hypertensive renal disease death rates increased 11.3% since 2009, and 33.3% since 2001, the greatest percent increase among all leading causes in the last 10 years.

• The 2009 New York City life expectancy, the latest year this statistic is available, reached yet another historic high of 80.6 years, a 3.7% (35 months) increase since 2000 and a 0.5% (5 months) increase since 2008.

• Premature deaths (before age 65) accounted for 30% of all deaths in New York City. The premature death rate decreased to 2.2 per 1,000 population, a 15.4% decline since 2001, and remained stable since 2009.

Figure M1. Deaths From Leading Causes, New York City, 2001-2010
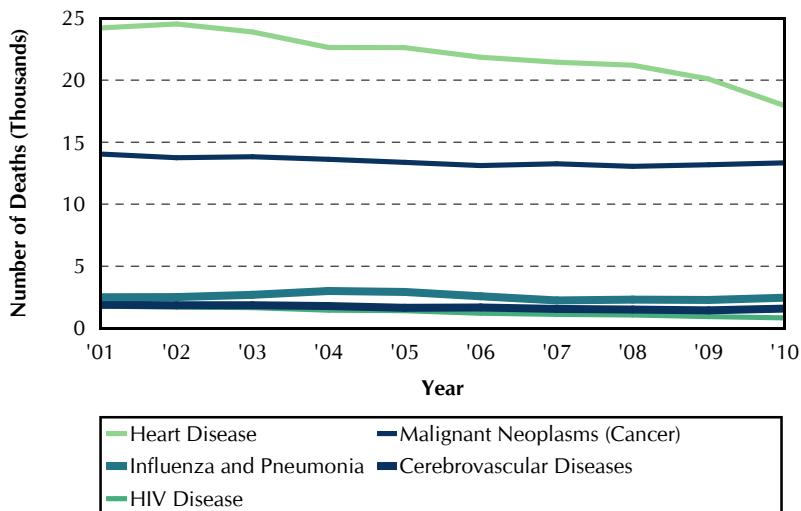
- This figure displays the top five leading causes of death in 2001 and their trends over a ten-year period.

- Deaths due to heart disease decreased 25.9%. A portion of this decrease is likely due to a 2009 intervention to reduce overreporting of heart disease as a cause of death. (See Special Section for full details.)

- In 2010, there were 1,583 cerebrovascular disease deaths, a 16.1% decrease from 1,887 deaths in 2001.

- Deaths caused by cancer decreased 5.0% from 2001 to 2010. For trends in leading types of cancer deaths, see Figure M2.

- In 2010, there were 832 deaths due to HIV, a 53.1% decrease from 1,774 deaths in 2001.

- During the last decade, influenza and pneumonia deaths fluctuated between a low of 2,247 in 2007 and a high of 3,003 in 2004.

- The leading category of cancer death in 2010 was trachea, bronchus, and lung. While this category caused most cancer deaths, it fell 7.1% from 2001 to 2010.

- Colorectal cancer deaths, the second leading cause of cancer deaths, decreased 12.7%, from 1,595 deaths in 2001 to 1,393 deaths in 2010.

- Breast cancer deaths decreased more than other leading causes of cancer death. In 2010, there were 1,068 deaths caused by breast cancer, a 20.8% decrease from 1,348 deaths in 2001.

- Although deaths caused by prostate cancer have declined 6.7% overall in the last decade, they increased 10.2% from 2006 to 2010.

Figure M2. Leading Causes of Death From Malignant Neoplasms (Cancers), New York City, 2001-2010

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Table M1. Deaths by Leading and Selected Underlying Causes, Borough of Residence, Sex, and ICD-10/ICD-9 Comparability Ratio, New York City, 2010

Cause (Codes from International Classification of Diseases (ICD), Tenth Revision, 1999)	Total	Manhattan	Bronx	Brooklyn	Queens	Staten Island	Nonresidents	Residence Unknown	Male	Female**	ICD-10/ICD-9 Comparability Ratio
Total Deaths	52,575	9,451	8,494	15,253	12,155	3,273	3,854	95	25,863	26,712	
Natural Causes	49,811	9,007	8,036	14,460	11,555	3,090	3,610	53	23,878	25,933	
1.* Tuberculosis (A16-A19)	26	4	4	8	7	3	–	–	18	8	0.88
Respiratory tuberculosis (A16)	19	3	2	6	6	2	–	–	16	3	0.94
2.* Septicemia (A40-A41)	357	47	70	140	76	12	12	–	153	204	1.19
3.* Viral Hepatitis (B15-B19)	352	75	83	85	49	25	34	1	239	113	0.71
4.* Human Immunodeficiency Virus (HIV) Disease (B20-B24)	832	171	253	262	79	27	39	1	574	258	1.08
5. All Other Infective and Parasitic Diseases (Rest of A01-B99)	384	59	52	145	81	18	29	–	160	224	
6.* Malignant Neoplasms (C00-C97)	13,333	2,495	1,923	3,686	2,884	836	1,507	2	6,603	6,730	1.01
Lip, oral cavity, and pharynx (C00-C14)	216	49	26	71	40	11	19	–	141	75	0.96
Esophagus (C15)	273	74	35	64	40	17	43	–	194	79	0.99
Stomach (C16)	439	60	76	141	102	13	47	–	226	213	1.01
Colon, rectum, and anus (C18-C21)	1,393	226	215	414	334	90	114	–	735	658	1.00
Liver and intrahepatic bile ducts (C22)	663	133	116	174	130	41	69	–	458	205	0.96
Pancreas (C25)	922	188	108	260	204	62	99	1	433	489	1.00
Larynx (C32)	102	25	18	30	15	9	5	–	80	22	1.01
Trachea, bronchus, and lung (C33-C34)	2,946	576	428	795	622	238	286	1	1,553	1,393	0.98
Melanoma of skin (C43)	139	24	9	36	30	8	32	–	79	60	0.95
Mesothelioma (C45)	26	5	–	7	5	1	8	–	21	5	
Breast (C50)	1,084	199	175	325	215	73	97	1	16	1,068	1.01
Cervix uteri (C53)	129	20	25	35	35	4	10	–	–	129	1.00
Corpus uteri and uterus, part unspecified (C54-C55)	330	46	51	107	74	16	36	–	–	330	1.02
Ovary (C56)	368	81	46	86	90	19	46	–	–	368	0.99
Prostate (C61)	777	159	124	216	174	37	67	–	777	–	1.01
Kidney and renal pelvis (C64-C65)	255	29	34	84	57	16	35	–	166	89	1.00
Bladder (C67)	356	78	40	76	94	23	45	–	237	119	1.00
Meninges, brain, and other parts of central nervous system (C70-C72)	257	52	34	61	62	19	29	–	132	125	0.98
Lymphoid, hematopoietic and related tissues (C81-C96)	1,341	241	159	354	269	78	240	–	712	629	1.00
Hodgkin's disease (C81)	37	5	1	14	7	1	9	–	22	15	1.00
Non-Hodgkin's lymphoma (C82-C85)	465	78	61	129	93	30	74	–	235	230	0.98
Multiple myeloma and immunoproliferative neoplasms (C88, C90)	287	62	43	71	65	14	32	–	147	140	1.04
Leukemia (C91-C95)	549	96	54	139	104	33	123	–	307	242	1.01
7.* In Situ or Benign Neoplasms and Neoplasms of Uncertain or Unknown Behavior (D00-D48)	268	52	21	67	53	14	61	1	136	132	1.63
8.* Anemias (D50-D64)	71	11	21	23	11	1	4	–	43	28	0.94
9.* Diabetes Mellitus (E10-E14)	1,711	280	321	572	360	104	73	1	787	924	1.02
10.† Mental and Behavioral Disorders Due to Use of Alcohol (F10)	203	44	36	51	52	11	4	5	168	35	
11. Mental and Behavioral Disorders Due to Use of Psychoactive Substance Excluding Alcohol and Tobacco (F11-F16, F18-F19) ‡	144	41	68	8	9	3	14	1	107	37	
12. Diseases of Nervous System (G00-G98)	1,162	338	192	276	256	48	52	–	475	687	
* Meningitis (G00,G03)	24	2	5	12	4	1	–	–	11	13	1.01
* Parkinson's disease (G20-G21)	196	61	29	46	37	11	12	–	111	85	1.01
* Alzheimer's disease (G30)	577	175	98	131	141	16	16	–	155	422	1.58
13.* Major Cardiovascular Diseases (I00-I78)	21,043	3,500	3,226	6,241	5,473	1,449	1,124	30	9,827	11,216	1.00
* Diseases of heart (I00-I09, I11, I13, I20-I51)	17,929	2,896	2,696	5,309	4,759	1,335	909	25	8,466	9,463	0.99
Acute rheumatic fever and chronic rheumatic heart diseases (I00-I09)	35	9	8	5	6	2	5	–	11	24	0.88
Hypertensive heart disease (I11)	1,831	393	382	612	311	72	59	2	881	950	0.80
Hypertensive heart and renal disease (I13)	120	20	39	37	18	2	4	–	63	57	1.13
Chronic ischemic heart disease (I20, I25)	12,261	1,835	1,719	3,526	3,657	917	589	18	5,800	6,461	1.01
Acute myocardial infarction (I21-I22)	2,296	335	342	760	455	289	110	5	1,090	1,206	0.99
Cardiomyopathy (I42)	154	31	25	33	29	10	26	–	105	49	

Continued on the next page.

Table M1. Deaths by Leading and Selected Underlying Causes, Borough of Residence, Sex, and ICD-10/ICD-10/ICD-9 Comparability Ratio, New York City, 2010 (Continued)

Cause (Codes from International Classification of Diseases (ICD), Tenth Revision, 1999)	Total	BOROUGH OF RESIDENCE Manhattan	Bronx	Brooklyn	Queens	Staten Island	Nonresidents	Residence Unknown	SEX Male	Female	ICD-10/IC Comparab Ratio
Heart failure (I50)	336	80	51	89	87	13	16	–	129	207	1.0
* Essential hypertension and hypertensive renal disease (I10, I12, I15)	1,046	200	171	352	227	35	59	2	439	607	1.1
* Cerebrovascular diseases (I60-I69)	1,583	305	259	467	379	61	111	1	677	906	1.0
* Atherosclerosis (I70)	205	55	51	37	49	5	8	1	87	118	0.9
* Aortic aneurysm and dissection (I71)	155	23	20	46	29	7	29	1	108	47	1.0
14.* Influenza and Pneumonia (J09-J18)	2,457	412	433	746	618	144	103	1	1,168	1,289	0.7
H1N1 flu (J09)	6	1	1	2	–	1	1	–	1	5	0.9
15.* Chronic Lower Respiratory Diseases (J40-J47)	1,716	330	349	457	359	136	82	3	817	899	1.0
Emphysema (J43)	132	23	24	34	34	13	4	–	69	63	0.9
Asthma (J45-J46)	185	22	62	61	31	2	5	2	98	87	0.8
16. Pneumoconiosis Due to Asbestos and Other Mineral Fibres (J61)	2	–	–	–	1	–	1	–	2	–	–
17.* Pneumonitis Due to Solids and Liquids (J69)	26	5	5	7	7	–	2	–	15	11	1.1
18.* Peptic Ulcer (K25-K28)	97	26	7	29	26	6	3	–	47	50	0.9
19.* Chronic Liver Disease and Cirrhosis (K70, K73-K74)	521	86	95	150	119	23	45	3	352	169	1.0
Alcoholic liver disease (K70)	351	57	61	105	81	14	30	3	259	92	1.0
20.* Cholelithiasis and Other Disorders of Gallbladder (K80-K82)	65	10	11	19	15	4	6	–	25	40	0.9
21.* Nephritis, Nephrotic Syndrome, and Nephrosis (N00-N07, N17-N19, N25-N27)	487	65	71	192	110	24	25	–	246	241	1.2
Renal failure (N17-N19)	409	48	58	170	90	22	21	–	206	203	1.3
22.* Pregnancy, Childbirth, and the Puerperium (O00-O99)	36	1	8	16	6	1	4	–	–	36	1.1
Maternal causes || (A34, O00-O95, O98-O99)	30	1	5	15	4	1	4	–	–	30	
23.* Certain Conditions Originating in the Perinatal Period (P00-P96)	341	46	62	96	72	23	42	–	183	158	1.0
24.* Congenital Malformations, Deformations, and Chromosomal Abnormalities (Q00-Q99)	228	26	46	59	40	14	43	–	114	114	0.9
25. Symptoms, Signs, and Abnormal Findings, Not Elsewhere Classified (R00-R94, R96-R99)	323	116	33	87	59	12	14	2	127	196	0.9
Pending final determination (R99)	0	–	–	–	–	–	–	–	–	–	
26. Sudden Infant Death Syndrome (R95)	4	1	1	2	–	–	–	–	3	1	1.0
27. All Other Natural Causes (Rest of A00-R99)	3,622	766	645	1,036	733	152	287	3	1,489	2,133	
External Causes	2,764	444	458	793	600	183	244	42	1,985	779	
Injury by Firearms (W32-W34, X72-X74, X93-X95, Y22-Y24, Y35.0)	391	33	83	165	73	10	25	2	369	22	1.0
28.† Accidents (V01-X59,Y85-Y86)	1,454	243	236	394	306	116	140	19	985	469	1.0
Accidental poisoning by psychoactive substances, excluding alcohol and tobacco (X40-X42, X44) ‡	521	69	99	151	99	50	51	2	364	157	1.0
† 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) ‡	665	110	167	159	108	53	65	3	471	194	
† Accidents except poisoning by psychoactive substance use ¶	933	174	137	243	207	66	89	17	621	312	
Motor vehicle accidents ¶	279	40	45	69	66	27	28	4	198	81	0.9
Accidental falls (W00-W19)	367	88	46	90	88	17	34	4	216	151	0.7
29.* Intentional Self-harm (Suicide) (U03, X60-X84, Y87.0)	503	101	54	116	148	27	50	7	374	129	1.0
30.* Assault (Homicide) (U01-U02, X85-Y09, Y87.1)	551	50	131	214	99	22	33	2	462	89	1.0
31.* Legal Intervention (Y35, Y89.0)	6	–	3	2	1	–	–	–	6	–	0.9
32. Events of Undetermined Intent (Y10-Y34, Y87.2, Y89.9)	217	45	29	59	37	16	17	14	145	72	0.9
33.* Complications of Medical and Surgical Care (Y40-Y84, Y88)	33	5	5	8	9	2	4	–	13	20	0.6
34.* Operations of War and Their Sequelae (Y36,Y89.1)	0	–	–	–	–	–	–	–	–	–	

* Eligible to be ranked as leading causes nationally and in New York City.

† The following cause groups are not ranked as leading causes nationally, but are eligible to be ranked as leading causes in New York City because of the number of deaths and their public health importance: "Mental and behavioral disorders due to use of alcohol", "Mental and behavioral disorders due to use of psychoactive substances excluding alcohol and tobacco", and "Accidents", which in NYC excludes poisoning by psychoactive substances (excluding alcohol and tobacco).

‡ See Technical Notes: Deaths, Drug-Related Deaths.

Table M2. Deaths and Crude Death Rates per 1,000 Population* by Age, Racial/Ethnic Group, and Sex, New York City, 2010

Age in Years	All Total No.	All Total Rate	All Male No.	All Male Rate	All Female No.	All Female Rate	Hispanic Total No.	Hispanic Total Rate	Hispanic Male No.	Hispanic Male Rate	Hispanic Female No.	Hispanic Female Rate	Non-Hispanic White Total No.	Non-Hispanic White Total Rate	Non-Hispanic White Male No.	Non-Hispanic White Male Rate	Non-Hispanic White Female No.	Non-Hispanic White Female Rate	Non-Hispanic Black Total No.	Non-Hispanic Black Total Rate	Non-Hispanic Black Male No.	Non-Hispanic Black Male Rate	Non-Hispanic Black Female No.	Non-Hispanic Black Female Rate	Asian and Pacific Islander Total No.	Asian and Pacific Islander Total Rate	Asian and Pacific Islander Male No.	Asian and Pacific Islander Male Rate	Asian and Pacific Islander Female No.	Asian and Pacific Islander Female Rate	Other/Multiple Race/Unknown Total No.	Other/Multiple Race/Unknown Male No.	Other/Multiple Race/Unknown Female No.
All Ages	52,575	6.4	25,863	6.7	26,712	6.2	9,340	4.0	4,898	4.3	4,442	3.7	25,790	9.5	12,277	9.3	13,513	9.6	13,637	7.3	6,559	7.9	7,078	6.9	3,157	3.1	1,776	3.6	1,381	2.6	651	353	298
Age-Adjusted		6.3		7.8		5.2		5.6		7.3		4.5		6.4		7.7		5.3		7.7		9.9		6.3		4.0		5.0		3.2			
Under 5	694	1.3	373	1.4	321	1.3	198	1.1	110	1.2	88	1.0	151	1.0	82	1.1	69	1.0	270	2.4	140	2.4	130	2.3	61	1.1	32	1.1	29	1.1	14	9	5
5-9	51	0.1	29	0.1	22	0.1	15	0.1	10	0.1	5	0.1	10	0.1	7	0.1	3	0.1	20	0.2	9	0.2	11	0.2	5	0.1	3	0.1	2	0.1	1	-	1
10-14	78	0.2	45	0.2	33	0.1	23	0.1	10	0.1	13	0.2	28	0.3	18	0.3	10	0.2	19	0.2	13	0.2	6	0.1	6	0.1	3	0.1	3	0.1	2	1	1
15-19	210	0.4	173	0.6	37	0.1	61	0.3	54	0.5	7	0.1	37	0.5	28	0.5	9	0.2	102	0.7	86	1.2	16	0.2	7	0.1	4	0.1	3	0.1	3	3	2
20-24	380	0.6	276	0.9	104	0.3	110	0.5	76	0.7	34	0.3	91	0.5	72	0.8	19	0.2	144	1.0	105	1.5	39	0.5	27	0.3	19	0.5	8	0.2	8	4	4
25-29	442	0.6	313	0.9	129	0.3	130	0.6	95	0.9	35	0.3	111	0.4	72	0.6	39	0.3	160	1.2	122	2.0	38	0.5	37	0.4	22	0.5	15	0.3	4	2	2
30-34	458	0.7	314	1.0	144	0.4	141	0.7	97	1.0	44	0.5	111	0.5	75	0.6	36	0.3	165	1.3	117	2.1	48	0.7	32	0.3	20	0.5	12	0.2	9	5	4
35-39	592	1.0	367	1.3	225	0.7	160	0.9	102	1.2	58	0.7	163	0.9	110	1.1	53	0.6	212	1.7	120	2.3	92	1.3	47	0.5	29	0.7	18	0.4	10	6	4
40-44	1,049	1.8	658	2.4	391	1.3	298	1.8	191	2.4	107	1.3	289	1.7	185	2.0	104	1.3	386	2.9	229	3.9	157	2.1	60	0.8	39	1.0	21	0.5	16	14	2
45-49	1,740	3.1	1,055	3.9	685	2.3	414	2.7	246	3.4	168	2.0	569	3.3	377	4.2	192	2.3	636	4.4	359	5.7	277	3.4	97	1.2	55	1.5	42	1.0	24	18	6
50-54	2,559	4.7	1,581	6.2	978	3.4	573	4.2	364	5.9	209	2.8	829	4.6	527	5.9	302	3.4	932	6.8	540	9.1	392	5.1	182	2.4	118	3.2	64	1.7	43	32	11
55-59	3,246	6.8	2,006	9.2	1,240	4.8	712	6.3	458	9.2	254	4.0	1,184	6.7	764	8.9	420	4.6	1,099	9.8	618	13.0	481	7.5	203	3.2	135	4.4	68	2.1	48	31	17
60-64	4,019	9.7	2,354	12.7	1,665	7.3	782	8.5	464	11.7	318	6.1	1,646	9.7	1,011	12.7	635	7.0	1,253	13.5	668	17.4	585	10.7	279	5.5	177	7.4	102	3.8	59	34	25
65-69	4,126	13.9	2,332	18.1	1,794	10.7	836	12.6	503	18.1	333	8.6	1,710	14.1	973	17.6	737	11.2	1,288	18.0	666	23.9	622	14.3	238	7.4	153	10.1	85	5.0	54	37	17
70-74	4,703	20.1	2,523	25.5	2,180	16.1	958	18.8	539	26.3	419	13.7	2,024	20.2	1,091	24.5	933	16.8	1,351	25.4	670	33.3	681	20.6	311	12.1	191	15.9	120	8.7	59	32	27
75-79	5,502	30.9	2,842	39.5	2,660	25.1	982	27.1	505	37.4	477	20.9	2,738	32.7	1,443	40.0	1,295	27.2	1,357	36.6	653	50.2	704	29.3	363	19.8	200	24.2	163	16.2	62	41	21
80-84	6,746	47.4	3,189	61.2	3,557	39.5	1,048	43.3	456	55.7	592	37.0	3,778	48.7	1,852	61.4	1,926	40.6	1,424	52.7	601	71.7	823	44.2	415	35.6	243	51.2	172	24.9	81	37	44
≥85	15,980	113.0	5,433	125.7	10,547	107.4	1,899	97.7	618	111.9	1,281	92.0	10,321	121.0	3,590	133.1	6,731	115.4	2,819	110.1	843	127.6	1,976	104.0	787	82.8	333	92.1	454	77.0	154	49	105
Mean age at death	72.3		68.4		76.0		67.2		63.3		71.4		77.1		73.3		80.5		67.3		63.2		71.2		70.2		68.2		72.7		68.7	64.8	73.2
Median age at death	76		72		81		71		66		76		81		77		84		70		66		74		74		72		78		73	67	80

* Population data are from US Census April 1, 2010.

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Table M3. Deaths by Ancestry* and Borough of Residence, New York City, 2010

Ancestry	Total	Borough of Residence					Nonresident	Residence Unknown
		Manhattan	Bronx	Brooklyn	Queens	Staten Island		
Total.	52,575	9,451	8,494	15,253	12,155	3,273	3,854	95
Hispanic								
Colombian.	261	35	12	22	168	5	19	–
Cuban.	406	141	82	39	112	8	24	–
Dominican.	1,590	565	466	245	241	13	58	2
Ecuadorian.	364	52	44	53	183	9	23	–
Mexican.	225	40	44	66	45	18	12	–
Other Hispanic.	1,322	181	262	355	350	75	88	11
Puerto Rican.	5,172	1,042	2,037	1,304	462	169	158	–
Non-Hispanic American and Caribbean								
African American.	10,112	1,982	2,480	3,269	1,797	162	418	4
American.	10,497	2,799	1,063	1,961	2,567	647	1,460	–
Guyanese.	636	10	54	267	282	2	21	–
Haitian.	687	45	18	421	162	8	32	1
Jamaican.	801	30	222	357	134	8	50	–
Trinidadian.	153	7	13	91	33	1	8	–
Other Non-Hispanic American and Caribbean	930	82	99	550	133	11	55	–
European								
English.	197	47	21	29	29	48	23	–
German.	814	160	86	78	336	83	71	–
Irish.	1,840	156	240	345	559	327	213	–
Italian.	4,688	230	464	1,458	1,086	1,076	374	–
Polish.	890	113	57	300	304	72	44	–
Russian.	966	69	37	606	188	44	22	–
Other European.	2,642	369	165	971	848	138	151	–
Asian								
Asian Indian.	210	16	11	22	98	23	40	–
Bangladeshi.	96	3	14	14	61	1	3	–
Chinese.	1,769	522	32	540	588	27	59	1
Filipino.	196	24	13	13	105	12	29	–
Korean.	306	16	18	12	220	13	26	1
Pakistani.	120	4	6	44	43	9	14	–
Other Asian.	410	81	31	87	147	25	39	–
Other								
Jewish or Hebrew.	1,655	189	78	993	209	46	140	–
Other or Not Stated.	2,620	441	325	741	665	193	180	75

* See Technical Notes: Race, Ancestry, and Ethnic Group.

Table M4. Deaths by Place of Death*, New York City, 2006-2010

Place of Death	2006		2007		2008		2009		2010	
	Deaths	%	Deaths	%	Deaths	%	Deaths	%	Deaths	%
Total.	55,391	100.0	54,073	100.0	54,193	100.0	52,881	100.0	52,575	100.0
Home.	10,603	19.1	10,213	18.9	10,456	19.3	10,773	20.4	11,152	21.2
Hospital										
Voluntary.	30,575	55.2	29,859	55.2	29,575	54.6	27,976	52.9	26,644	50.7
Proprietary.	644	1.2	597	1.1	574	1.1	289	0.5	273	0.5
Municipal.	4,635	8.4	4,737	8.8	4,621	8.5	4,671	8.8	4,560	8.7
Other Government.	575	1.0	606	1.1	586	1.1	489	0.9	475	0.9
Nursing Home.	6,644	12.0	6,370	11.8	6,479	12.0	6,421	12.1	5,822	11.1
Other Specified Place.	1,715	3.1	1,691	3.1	1,902	3.5	2,262	4.3	3,649	6.9

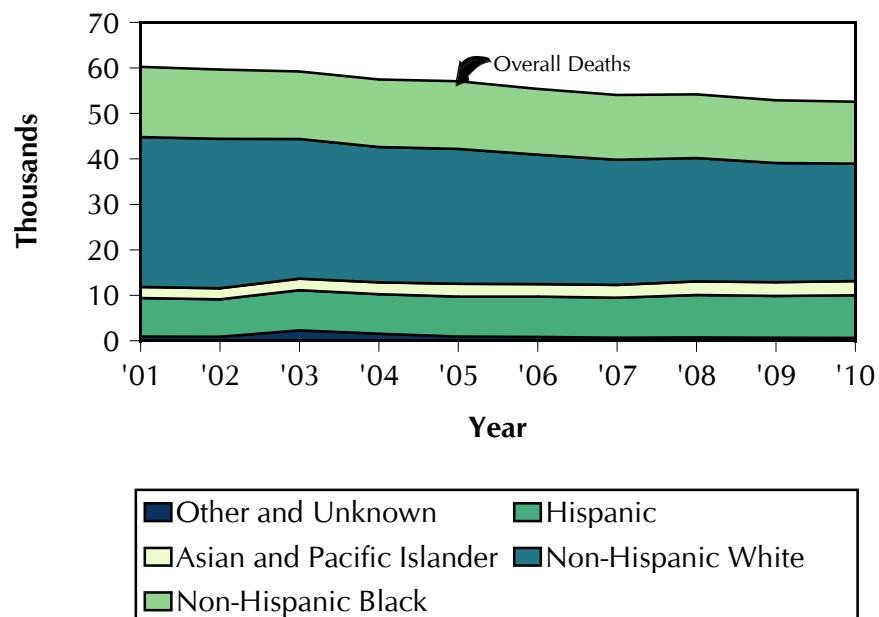* See Technical Notes: Geographical Units, Place of Death.

Table M5. Deaths by Birthplace and Borough of Residence, New York City, 2010

Birthplace	Total	Borough of Residence					Nonresidents	Residence Unknown
		Manhattan	Bronx	Brooklyn	Queens	Staten Island		
Total.	52,575	9,451	8,494	15,253	12,155	3,273	3,854	95
United States & Territories.	30,618	5,855	4,873	7,871	6,629	2,586	2,758	46
Puerto Rico.	3,998	835	1,556	1,058	337	101	111	–
China.	1,574	479	29	484	518	21	43	–
Dominican Republic.	1,464	528	437	226	220	7	46	–
Italy.	1,098	38	142	363	304	165	86	–
Ukraine.	1,084	40	19	845	132	27	21	–
Jamaica	1,041	45	296	417	211	13	59	–
Guyana.	734	16	65	305	323	2	23	–
Poland.	730	110	56	332	187	21	24	–
Haiti.	716	46	19	432	177	8	33	1
Trinidad and Tobago.	513	32	40	300	113	3	25	–
Russia.	493	67	32	268	89	22	15	–
Germany.	419	131	43	58	145	9	33	–
Cuba.	398	137	86	40	110	3	22	–
Ecuador.	343	52	44	51	171	6	19	–
Greece.	305	25	15	48	188	12	17	–
Korea.	304	16	18	14	216	13	26	1
Ireland.	287	27	63	33	109	16	39	–
Colombia.	254	36	12	21	162	5	18	–
Panama.	250	21	21	158	38	4	8	–
Barbados.	241	15	12	170	34	2	8	–
Romania.	234	33	9	80	94	5	13	–
Belarus.	231	5	3	191	20	10	2	–
Hungary.	229	34	16	118	49	1	11	–
India.	224	16	11	24	114	19	40	–
Other or Not Stated.	4,793	812	577	1,346	1,465	192	354	47

Table M6. Deaths by Birthplace and Age, New York City, 2010

Birthplace	Total	Age in Years								
		<15	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
Total.	52,575	823	590	900	1,641	4,299	7,265	8,829	12,248	15,980
United States & Territories.	30,618	792	451	574	1,012	2,735	4,291	4,896	6,664	9,203
Puerto Rico.	3,998	2	3	21	77	239	644	970	1,055	987
China.	1,574	–	9	28	34	81	156	223	497	546
Dominican Republic.	1,464	3	21	34	64	140	259	287	346	310
Italy.	1,098	–	–	–	1	23	73	145	360	496
Ukraine.	1,084	–	1	7	12	25	87	118	362	472
Jamaica	1,041	1	10	28	50	109	137	210	248	248
Guyana.	734	1	5	14	31	80	146	158	162	137
Poland.	730	–	1	3	12	32	83	51	109	439
Haiti.	716	–	2	6	26	57	104	143	200	178
Trinidad and Tobago.	513	1	5	13	29	57	104	113	114	77
Russia.	493	–	4	3	5	22	37	76	114	232
Germany.	419	–	–	1	4	5	31	41	72	265
Cuba.	398	–	–	2	5	17	23	69	128	154
Ecuador.	343	3	6	14	20	31	46	73	80	70
Greece.	305	–	1	–	3	9	43	50	101	98
Korea.	304	–	2	4	16	33	41	72	65	71
Ireland.	287	–	–	–	3	11	15	45	95	118
Colombia.	254	–	3	5	7	20	33	50	65	71
Panama.	250	–	–	2	1	18	41	51	58	79
Barbados.	241	–	1	1	3	22	30	48	65	71
Romania.	234	–	1	–	1	4	23	19	63	123
Belarus.	231	–	1	–	2	6	14	27	82	99
Hungary.	229	–	–	–	–	5	15	17	47	145
India.	224	1	–	3	6	36	42	53	47	36
Other or Not Stated.	4,793	19	63	137	217	482	747	824	1,049	1,255

Figure M3. Deaths by Racial/Ethnic Group[*], New York City, 2001-2010

Overall Deaths

Legend:
- Other and Unknown
- Asian and Pacific Islander
- Non-Hispanic Black
- Hispanic
- Non-Hispanic White

[*]Race categories changed in 2003. See the Technical Notes in the 2003 Annual Summary for a more detailed explanation.

• From 2001 to 2010, the total number of deaths decreased 12.7%, from 60,218 to 52,575.

• Deaths to non-Hispanic whites account for the majority of total deaths and decreased 21.8% in the last decade.

• Non-Hispanic black deaths also decreased from 2001 to 2010, with a 11.7% decline.

• In the same time period, deaths among Asians and Pacific Islanders and Hispanics increased 30.1% and 10.5%, respectively. The trend coincided with a large increase in the Asian and Pacific Islander and Hispanic populations in New York City.

Map M1. Age-adjusted Death Rate by Community District of Residence, New York City, 2010
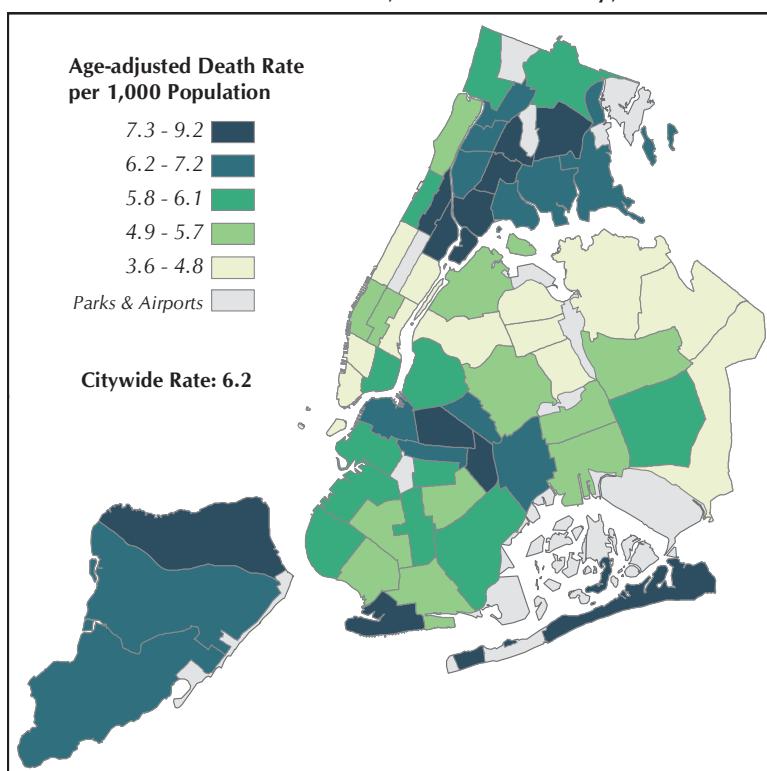
• The community district with the highest age-adjusted death rate was Brownsville (9.2). Other community districts with high age-adjusted death rates were Morissania (8.5), The Rockaways (8.1), Central Harlem (8.0), and Bedford-Stuyvesant (8.0).

• The lowest age-adjusted death rate was found in Bayside (3.6). Four other community districts had age-adjusted death rates below 4.5: Queens Village (4.0), Greenwich Village/SoHo (4.3), Murray Hill (4.4), and Flushing (4.4).

Age-adjusted Death Rate per 1,000 Population
- 7.3 - 9.2
- 6.2 - 7.2
- 5.8 - 6.1
- 4.9 - 5.7
- 3.6 - 4.8
- Parks & Airports

Citywide Rate: 6.2

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Table M7. Leading Causes of Death in Specified Age Groups, Overall and by Sex, New York City, 2010

Rank	ALL AGES	All Deaths	All Percent	Male Deaths	Male Percent	Female Deaths	Female Percent
1	Diseases of Heart	17,929	34.1	8,466	32.7	9,463	35.4
2	Malignant Neoplasms	13,333	25.4	6,603	25.5	6,730	25.2
3	Influenza and Pneumonia	2,457	4.7	1,168	4.5	1,289	4.8
4	Chronic Lower Respiratory Diseases	1,716	3.3	817	3.2	899	3.4
5	Diabetes Mellitus	1,711	3.3	787	3.0	924	3.5
6	Cerebrovascular Diseases	1,583	3.0	677	2.6	906	3.4
7	Essential Hypertension and Hypertensive Renal Disease	1,046	2.0	439	1.7	607	2.3
8	Accidents Except Poisoning by Psychoactive Substance	933	1.8	621	2.4	312	1.2
9	Human Immunodeficiency Virus (HIV) Disease	832	1.6	574	2.2	258	1.0
10	Use of or Poisoning by Psychoactive Substance	665	1.3	471	1.8	194	0.7
	All Other Causes	10,370	19.7	5,240	20.3	5,130	19.2
	Total	52,575	100.0	25,863	100.0	26,712	100.0

Rank	< 1 YEAR	All Deaths	All Percent	Male Deaths	Male Percent	Female Deaths	Female Percent
1	Short Gestation and Low Birthweight	146	24.0	78	23.8	68	24.2
2	Congenital Malformations, Deformations	118	19.4	58	17.7	60	21.4
3	Cardiovascular Disorders Originating in the Perinatal Period	69	11.3	42	12.8	27	9.6
4	External Causes	64	10.5	41	12.5	23	8.2
5	Respiratory Distress of Newborn	22	3.6	10	3.0	12	4.3
6	Newborn Affected by Complications of Placenta	17	2.8	7	2.1	10	3.6
7	Necrotizing Enterocolitis of Newborn	16	2.6	10	3.0	6	2.1
8	Influenza and Pneumonia	12	2.0	7	2.1	5	1.8
9	Other Respiratory Conditions Originating in the Perinatal Period	11	1.8	6	1.8	5	1.8
10	Neonatal Hemorrhage	9	1.5	7	2.1	2	0.7
	All Other Causes	125	20.5	62	18.9	63	22.4
	Total	609	100.0	328	100.0	281	100.0

Rank	1 - 14 YEARS	All Deaths	All Percent	Male Deaths	Male Percent	Female Deaths	Female Percent
1	Malignant Neoplasms	48	22.4	25	21.0	23	24.2
2	Accidents Except Poisoning by Psychoactive Substance	29	13.6	18	15.1	11	11.6
3	Congenital Malformations, Deformations	24	11.2	11	9.2	13	13.7
4	Assault (Homicide)	18	8.4	9	7.6	9	9.5
5	Chronic Lower Respiratory Diseases	13	6.1	11	9.2	2	2.1
6	Diseases of Heart	6	2.8	3	2.5	3	3.2
7	Influenza and Pneumonia	5	2.3	3	2.5	2	2.1
	All Other Causes	71	33.2	39	32.8	32	33.7
	Total	214	100.0	119	100.0	95	100.0

Rank	15 - 24 YEARS	All Deaths	All Percent	Male Deaths	Male Percent	Female Deaths	Female Percent
1	Assault (Homicide)	179	30.3	160	35.6	19	13.5
2	Accidents Except Poisoning by Psychoactive Substance	75	12.7	61	13.6	14	9.9
3	Intentional Self-harm (Suicide)	58	9.8	44	9.8	14	9.9
4	Malignant Neoplasms	56	9.5	38	8.5	18	12.8
5	Use of or Poisoning by Psychoactive Substance	33	5.6	26	5.8	7	5.0
6	Diseases of Heart	26	4.4	17	3.8	9	6.4
7	Congenital Malformations, Deformations	14	2.4	11	2.4	3	2.1
8	Pregnancy, Childbirth, and the Puerperium	9	1.5	–	–	9	6.4
9	Anemias	8	1.4	8	1.8	–	–
9	Human Immunodeficiency Virus (HIV) Disease	8	1.4	4	0.9	4	2.8
	All Other Causes	124	21.0	80	17.8	44	31.2
	Total	590	100.0	449	100.0	141	100.0

Rank	25 - 34 YEARS	All Deaths	All Percent	Male Deaths	Male Percent	Female Deaths	Female Percent
1	Assault (Homicide)	177	19.7	158	25.2	19	7.0
2	Malignant Neoplasms	109	12.1	48	7.7	61	22.3
3	Use of or Poisoning by Psychoactive Substance	96	10.7	67	10.7	29	10.6
4	Accidents Except Poisoning by Psychoactive Substance	86	9.6	73	11.6	13	4.8
5	Intentional Self-harm (Suicide)	80	8.9	53	8.5	27	9.9
6	Diseases of Heart	61	6.8	47	7.5	14	5.1
7	Human Immunodeficiency Virus (HIV) Disease	37	4.1	27	4.3	10	3.7
8	Chronic Lower Respiratory Diseases	16	1.8	10	1.6	6	2.2
9	Congenital Malformations, Deformations	15	1.7	8	1.3	7	2.6
10	Cerebrovascular Disease	12	1.3	9	1.4	3	1.1
10	Influenza and Pneumonia	12	1.3	3	0.5	9	3.3
10	Pregnancy, Childbirth, and the Puerperium	12	1.3	–	–	12	4.4
10	Benign and Uncertain Neoplasms	12	1.3	5	0.8	7	2.6
	All Other Causes	175	19.4	119	19.0	56	20.5
	Total	900	100.0	627	100.0	273	100.0

Continued on next page.

Rank	35 - 44 YEARS	All Deaths	All Percent	Male Deaths	Male Percent	Female Deaths	Female Percent
1	Malignant Neoplasms	342	20.8	146	14.2	196	31.8
2	Diseases of Heart	235	14.3	166	16.2	69	11.2
3	Use of or Poisoning by Psychoactive Substance	145	8.8	108	10.5	37	6.0
4	Human Immunodeficiency Virus (HIV) Disease	142	8.7	94	9.2	48	7.8
5	Intentional Self-harm (Suicide)	96	5.9	75	7.3	21	3.4
6	Accidents Except Poisoning by Psychoactive Substance	80	4.9	63	6.1	17	2.8
7	Assault (Homicide)	78	4.8	68	6.6	10	1.6
8	Cerebrovascular Diseases	49	3.0	26	2.5	23	3.7
9	Chronic Liver Disease and Cirrhosis	41	2.5	31	3.0	10	1.6
10	Diabetes Mellitus	39	2.4	20	2.0	19	3.1
	All Other Causes	394	24.0	228	22.2	166	26.9
	Total	1,641	100.0	1,025	100.0	616	100.0

Rank	45 - 54 YEARS	All Deaths	All Percent	Male Deaths	Male Percent	Female Deaths	Female Percent
1	Malignant Neoplasms	1,236	28.8	587	22.3	649	39.0
2	Diseases of Heart	867	20.2	628	23.8	239	14.4
3	Human Immunodeficiency Virus (HIV) Disease	330	7.7	219	8.3	111	6.7
4	Use of or Poisoning by Psychoactive Substance	236	5.5	159	6.0	77	4.6
5	Diabetes Mellitus	139	3.2	75	2.8	64	3.8
5	Chronic Liver Disease and Cirrhosis	139	3.2	103	3.9	36	2.2
7	Cerebrovascular Diseases	136	3.2	80	3.0	56	3.4
8	Intentional Self-harm (Suicide)	118	2.7	91	3.5	27	1.6
9	Accidents Except Poisoning by Psychoactive Substance	115	2.7	93	3.5	22	1.3
10	Chronic Lower Respiratory Diseases	94	2.2	47	1.8	47	2.8
	All Other Causes	889	20.7	554	21.0	335	20.1
	Total	4,299	100.0	2,636	100.0	1,663	100.0

Rank	55 - 64 YEARS	All Deaths	All Percent	Male Deaths	Male Percent	Female Deaths	Female Percent
1	Malignant Neoplasms	2,670	36.8	1,400	32.1	1,270	43.7
2	Diseases of Heart	1,808	24.9	1,218	27.9	590	20.3
3	Diabetes Mellitus	291	4.0	176	4.0	115	4.0
4	Human Immunodeficiency Virus (HIV) Disease	239	3.3	179	4.1	60	2.1
5	Influenza and Pneumonia	200	2.8	127	2.9	73	2.5
6	Cerebrovascular Diseases	185	2.5	101	2.3	84	2.9
7	Chronic Lower Respiratory Diseases	181	2.5	101	2.3	80	2.8
8	Chronic Liver Disease and Cirrhosis	161	2.2	112	2.6	49	1.7
9	Viral Hepatitis	149	2.1	109	2.5	40	1.4
10	Accidents Except Poisoning by Psychoactive Substance	141	1.9	98	2.2	43	1.5
	All Other Causes	1,240	17.1	739	16.9	501	17.2
	Total	7,265	100.0	4,360	100.0	2,905	100.0

Rank	65 - 74 YEARS	All Deaths	All Percent	Male Deaths	Male Percent	Female Deaths	Female Percent
1	Malignant Neoplasms	3,246	36.8	1,680	34.6	1,566	39.4
2	Diseases of Heart	2,663	30.2	1,585	32.6	1,078	27.1
3	Diabetes Mellitus	382	4.3	201	4.1	181	4.6
4	Chronic Lower Respiratory Diseases	343	3.9	180	3.7	163	4.1
5	Influenza and Pneumonia	331	3.7	190	3.9	141	3.5
6	Cerebrovascular Diseases	255	2.9	139	2.9	116	2.9
7	Essential Hypertension and Hypertensive Renal Disease	149	1.7	81	1.7	68	1.7
8	Chronic Liver Disease and Cirrhosis	103	1.2	66	1.4	37	0.9
9	Accidents Except Poisoning by Psychoactive Substance	92	1.0	56	1.2	36	0.9
10	Nephritis, Nephrotic Syndrome, and Nephrosis	91	1.0	55	1.1	36	0.9
	All Other Causes	1,174	13.3	622	12.8	552	13.9
	Total	8,829	100.0	4,855	100.0	3,974	100.0

Rank	75 - 84 YEARS	All Deaths	All Percent	Male Deaths	Male Percent	Female Deaths	Female Percent
1	Diseases of Heart	4,596	37.5	2,266	37.6	2,330	37.5
2	Malignant Neoplasms	3,376	27.6	1,727	28.6	1,649	26.5
3	Influenza and Pneumonia	651	5.3	346	5.7	305	4.9
4	Chronic Lower Respiratory Diseases	491	4.0	241	4.0	250	4.0
5	Diabetes Mellitus	464	3.8	196	3.2	268	4.3
6	Cerebrovascular Disease	409	3.3	181	3.0	228	3.7
7	Essential Hypertension and Hypertensive Renal Disease	256	2.1	109	1.8	147	2.4
8	Accidents Except Poisoning by Psychoactive Substance	142	1.2	70	1.2	72	1.2
9	Nephritis, Nephrotic Syndrome, and Nephrosis	133	1.1	72	1.2	61	1.0
10	Alzheimer's Disease	126	1.0	47	0.8	79	1.3
	All Other Causes	1,604	13.1	776	12.9	828	13.3
	Total	12,248	100.0	6,031	100.0	6,217	100.0

Rank	≥ 85 YEARS	All Deaths	All Percent	Male Deaths	Male Percent	Female Deaths	Female Percent
1	Diseases of Heart	7,664	48.0	2,533	46.6	5,131	48.6
2	Malignant Neoplasms	2,248	14.1	950	17.5	1,298	12.3
3	Influenza and Pneumonia	1,134	7.1	419	7.7	715	6.8
4	Chronic Lower Respiratory Diseases	551	3.4	210	3.9	341	3.2
5	Cerebrovascular Diseases	526	3.3	136	2.5	390	3.7
6	Essential Hypertension and Hypertensive Renal Disease	428	2.7	132	2.4	296	2.8
7	Alzheimer's Disease	411	2.6	89	1.6	322	3.1
8	Diabetes Mellitus	378	2.4	108	2.0	270	2.6
9	Nephritis, Nephrotic Syndrome, and Nephrosis	171	1.1	73	1.3	98	0.9
10	Accidents Except Poisoning by Psychoactive Substance	157	1.0	78	1.4	79	0.7
	All Other Causes	2,312	14.5	705	13.0	1,607	15.2
	Total	15,980	100.0	5,433	100.0	10,547	100.0

Figure M4. Leading Causes of Death for Males, New York City, 2010
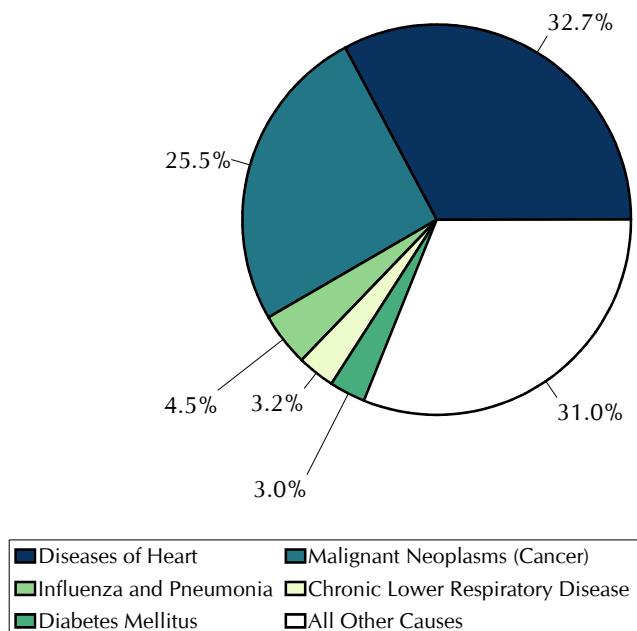
- In 2010, the leading cause of death for males was heart disease, accounting for 32.7%.

- Malignant neoplasms caused more than a quarter of deaths (25.5%) among males in 2010.

- Approximately 4.5% of deaths among men were caused by influenza and pneumonia, 3.2% by chronic lower respiratory disease, and 3.0% by diabetes mellitus.

Legend:
- Diseases of Heart
- Malignant Neoplasms (Cancer)
- Influenza and Pneumonia
- Chronic Lower Respiratory Disease
- Diabetes Mellitus
- All Other Causes

Figure M5. Leading Causes of Death for Females, New York City, 2010

- Similar to males, the leading causes of death for females in 2010 were heart disease (35.4%) and malignant neoplasms (25.2%).

- In 2010, approximately 4.8% of deaths among women were caused by influenza and pneumonia, 3.5% by diabetes mellitus, and 3.4% by cerebrovascular diseases.
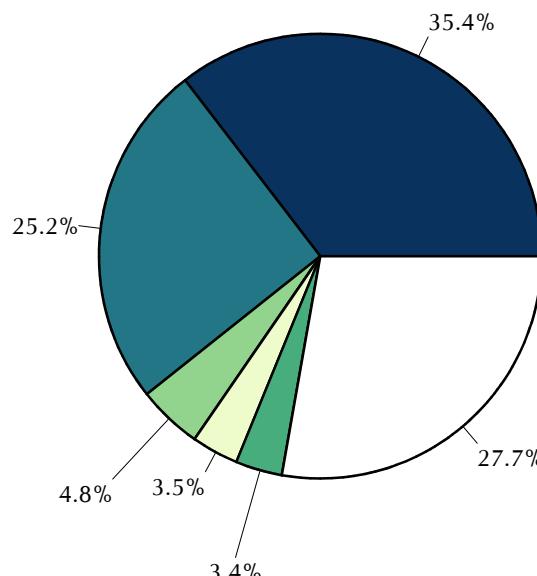
Legend:
- Diseases of Heart
- Malignant Neoplasms (Cancer)
- Influenza and Pneumonia
- Diabetes Mellitus
- Cerebrovascular Diseases
- All Other Causes

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Table M8. Leading Causes of Death in Specified Racial/Ethnic Groups* by Sex, New York City, 2010

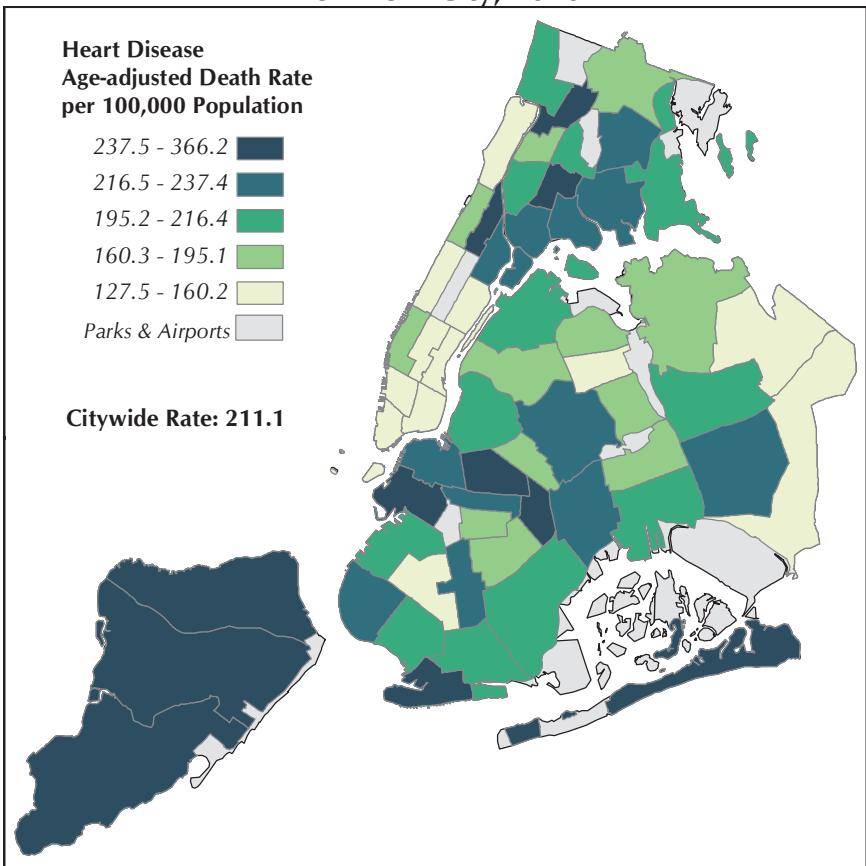| Rank	Puerto Rican	All Deaths	All Percent	Male Deaths	Male Percent	Female Deaths	Female Percent
1	Diseases of Heart	1,529	29.6	765	28.0	764	31.4
2	Malignant Neoplasms	1,047	20.2	557	20.4	490	20.1
3	Influenza and Pneumonia	254	4.9	130	4.8	124	5.1
4	Diabetes Mellitus	243	4.7	99	3.6	144	5.9
5	Chronic Lower Respiratory Diseases	197	3.8	92	3.4	105	4.3
6	Human Immunodeficiency Virus (HIV) Disease	196	3.8	135	4.9	61	2.5
7	Cerebrovascular Diseases	157	3.0	72	2.6	85	3.5
8	Use of or Poisoning by Psychoactive Substance	131	2.5	100	3.7	31	1.3
9	Chronic Liver Disease and Cirrhosis	119	2.3	85	3.1	34	1.4
10	Accidents Except Poisoning by Psychoactive Substance	96	1.9	66	2.4	30	1.2
	All Other Causes	1,203	23.3	634	23.2	569	23.3
	Total	5,172	100.0	2,735	100.0	2,437	100.0

Rank	Other Hispanic	Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Diseases of Heart	1,142	27.4	590	27.3	552	27.5
2	Malignant Neoplasms	1,055	25.3	500	23.1	555	27.7
3	Influenza and Pneumonia	209	5.0	105	4.9	104	5.2
4	Diabetes Mellitus	163	3.9	88	4.1	75	3.7
5	Cerebrovascular Diseases	151	3.6	68	3.1	83	4.1
6	Chronic Lower Respiratory Diseases	108	2.6	57	2.6	51	2.5
7	Accidents Except Poisoning by Psychoactive Substance	95	2.3	66	3.1	29	1.4
8	Essential Hypertension and Hypertensive Renal Disease	91	2.2	42	1.9	49	2.4
9	Chronic Liver Disease and Cirrhosis	80	1.9	65	3.0	15	0.7
10	Human Immunodeficiency Virus (HIV) Disease	72	1.7	54	2.5	18	0.9
	All Other Causes	1,002	24.0	528	24.4	474	23.6
	Total	4,168	100.0	2,163	100.0	2,005	100.0

Rank	Asian and Pacific Islander	Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Malignant Neoplasms	943	29.9	527	29.7	416	30.1
2	Diseases of Heart	873	27.7	479	27.0	394	28.5
3	Influenza and Pneumonia	182	5.8	108	6.1	74	5.4
4	Cerebrovascular Diseases	172	5.4	83	4.7	89	6.4
5	Diabetes Mellitus	115	3.6	64	3.6	51	3.7
6	Chronic Lower Respiratory Diseases	89	2.8	61	3.4	28	2.0
7	Accidents Except Poisoning by Psychoactive Substance	81	2.6	55	3.1	26	1.9
8	Intentional Self-harm (Suicide)	63	2.0	46	2.6	17	1.2
8	Essential Hypertension and Hypertensive Renal Disease	63	2.0	30	1.7	33	2.4
10	Chronic Liver Disease and Cirrhosis	28	0.9	18	1.0	10	0.7
	All Other Causes	548	17.4	305	17.2	243	17.6
	Total	3,157	100.0	1,776	100.0	1,381	100.0

Rank	Non-Hispanic White	Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Diseases of Heart	9,846	38.2	4,495	36.6	5,351	39.6
2	Malignant Neoplasms	6,846	26.5	3,408	27.8	3,438	25.4
3	Influenza and Pneumonia	1,321	5.1	614	5.0	707	5.2
4	Chronic Lower Respiratory Diseases	890	3.5	388	3.2	502	3.7
5	Cerebrovascular Diseases	658	2.6	276	2.2	382	2.8
6	Diabetes Mellitus	503	2.0	245	2.0	258	1.9
7	Accidents Except Poisoning by Psychoactive Substance	436	1.7	272	2.2	164	1.2
8	Essential Hypertension and Hypertensive Renal Disease	372	1.4	153	1.2	219	1.6
9	Alzheimer's Disease	341	1.3	94	0.8	247	1.8
10	Use of or Poisoning by Psychoactive Substance	286	1.1	211	1.7	75	0.6
	All Other Causes	4,291	16.6	2,121	17.3	2,170	16.1
	Total	25,790	100.0	12,277	100.0	13,513	100.0

Rank	Non-Hispanic Black	Deaths	Percent	Deaths	Percent	Deaths	Percent
1	Diseases of Heart	4,297	31.5	2,015	30.7	2,282	32.2
2	Malignant Neoplasms	3,308	24.3	1,540	23.5	1,768	25.0
3	Diabetes Mellitus	663	4.9	279	4.3	384	5.4
4	Influenza and Pneumonia	476	3.5	201	3.1	275	3.9
5	Human Immunodeficiency Virus (HIV) Disease	449	3.3	297	4.5	152	2.1
6	Cerebrovascular Diseases	430	3.2	171	2.6	259	3.7
6	Essential Hypertension and Hypertensive Renal Disease	430	3.2	178	2.7	252	3.6
8	Chronic Lower Respiratory Diseases	408	3.0	202	3.1	206	2.9
9	Assault (Homicide)	348	2.6	301	4.6	47	0.7
10	Accidents Except Poisoning by Psychoactive Substance	205	1.5	147	2.2	58	0.8
	All Other Causes	2,623	19.2	1,228	18.7	1,395	19.7
	Total	13,637	100.0	6,559	100.0	7,078	100.0

Note: For each racial/ethnic group, the 10 leading causes of death are listed in decreasing order of frequency for that racial/ethnic group overall.

* Decedents of other or multiple races or with unknown ethnicities are not shown.

Map M2. Heart Disease Age-adjusted Death Rate by Community District of Residence, New York City, 2010

Heart Disease Age-adjusted Death Rate per 100,000 Population

- 237.5 - 366.2
- 216.5 - 237.4
- 195.2 - 216.4
- 160.3 - 195.1
- 127.5 - 160.2
- *Parks & Airports*

Citywide Rate: 211.1

- The community district with the highest age-adjusted death rate for heart disease was The Rockaways (366.2 per 100,000 residents). Other community districts with high age-adjusted heart disease death rates were Port Richmond (294.4), followed by Willowbrook/South Beach (270.6), Bedford-Stuyvesant (268.2), and Brownsville (267.8).

- Greenwich Village/SoHo had the lowest age-adjusted death rate for heart disease (127.5). Four other community districts had rates below 140: Battery Park/Tribeca (132.3), Upper East Side (138.1), Queens Village (138.1), and Bayside (139.7).

Map M3. Malignant Neoplasms (Cancer) Age-adjusted Death Rate by Community District of Residence, New York City, 2010
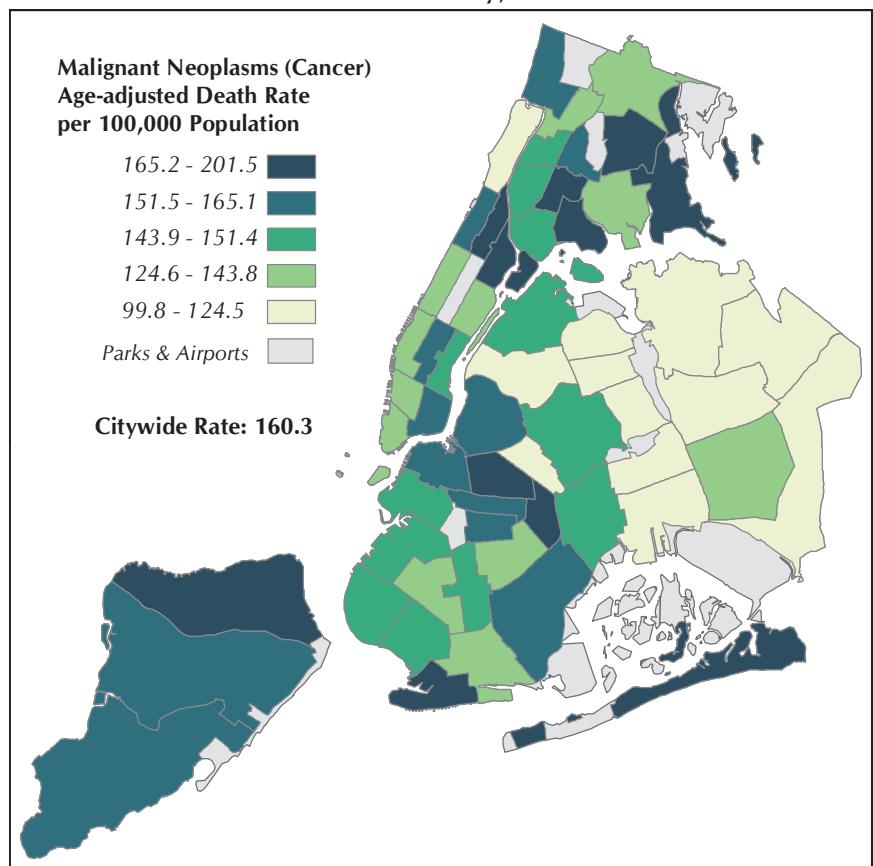
- In 2010, the age-adjusted cancer death rate was 201.5 per 100,000 residents in Browsnville, the highest rate of any community district. Other community districts with high age-adjusted cancer death rates included: Morrisania (198.6), Central Harlem (190.4), Port Richmond (182.3), and Coney Island (179.8).

- The lowest age-adjusted cancer death rate was found in Jackson Heights (99.8). Four other community districts had age-adjusted death rates below 112: Queens Village (99.9), Bayside (104.5), Fresh Meadows/Briarwood (110.5), and Flushing (111.3).

Malignant Neoplasms (Cancer) Age-adjusted Death Rate per 100,000 Population

- 165.2 - 201.5
- 151.5 - 165.1
- 143.9 - 151.4
- 124.6 - 143.8
- 99.8 - 124.5
- *Parks & Airports*

Citywide Rate: 160.3

Table M9. Leading Causes of Premature Death (Age <65), Overall and by Sex, New York City, 2010

Rank	Cause of Death	All Deaths	All Percent	Male Deaths	Male Percent	Female Deaths	Female Percent
1	Malignant Neoplasms	4,463	28.8	2,246	23.5	2,217	37.1
	Trachea, bronchus, and lung	901	5.8	498	5.2	403	6.7
	Breast	462	3.0	6	0.1	456	7.6
	Colon, rectum, and anus	444	2.9	252	2.6	192	3.2
	Liver and intrahepatic bile ducts	296	1.9	232	2.4	64	1.1
	Pancreas	254	1.6	154	1.6	100	1.7
2	Diseases of Heart	3,006	19.4	2,082	21.8	924	15.5
3	Human Immunodeficiency Virus (HIV) Disease	756	4.9	523	5.5	233	3.9
4	Use of or Poisoning by Psychoactive Substance	633	4.1	448	4.7	185	3.1
5	Accidents Except Poisoning by Psychoactive Substance	542	3.5	417	4.4	125	2.1
6	Assault (Homicide)	536	3.5	451	4.7	85	1.4
7	Diabetes Mellitus	487	3.1	282	3.0	205	3.4
8	Intentional Self-harm (Suicide)	444	2.9	334	3.5	110	1.8
9	Cerebrovascular Diseases	393	2.5	221	2.3	172	2.9
10	Chronic Liver Disease and Cirrhosis	349	2.2	252	2.6	97	1.6
	All Other Causes	3,909	25.2	2,288	24.0	1,621	27.1
	Total	15,518	100.0	9,544	100.0	5,974	100.0

Note: Ten leading causes of death are listed in descending order of frequency for all premature deaths.

Figure M6. Selected Causes of Preventable Premature Death (Age <65), New York City, 2001-2010

*See the Technical Notes, Drug Related Deaths.

Legend: Colorectal Cancer, Homicide, Accidents, Breast Cancer, Female, Drug Related*
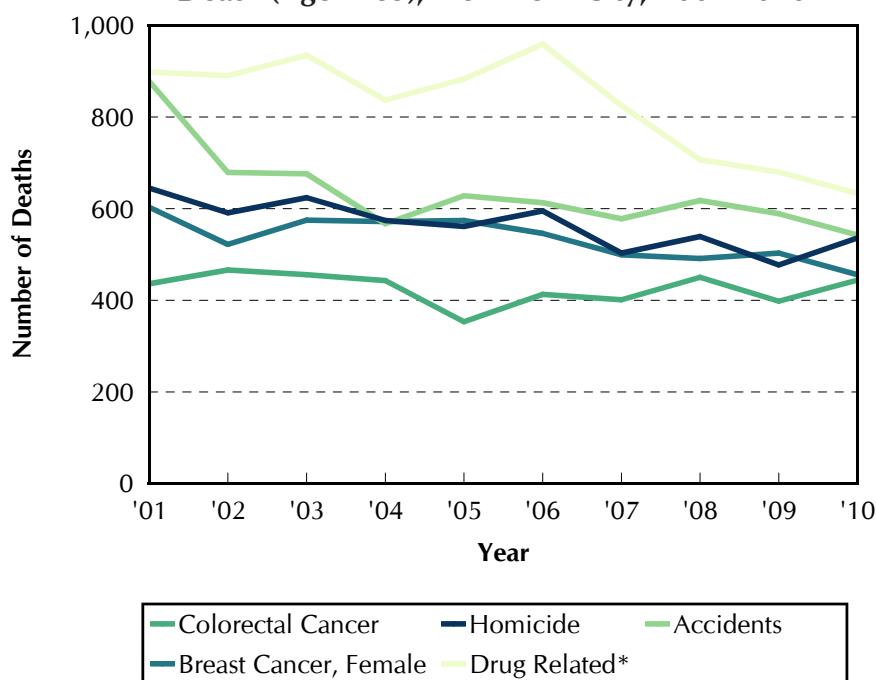
• Several categories of potentially preventable deaths among persons younger than 65 years of age declined in the last decade.

º Deaths due to accidents decreased 38.3%, from 878 in 2001 to 542 in 2010.

º Drug-related deaths declined 29.5%, from 898 deaths in 2001 to 633 in 2010.

º Homicides decreased 16.9% from 2001 to 2010.

• Select cancer deaths may be prevented or postponed by using early detection methods. Trends in death rates for two types of cancer are shown here.

º Breast cancer deaths decreased 24.4% within the last decade.

º There was no noticeable trend in colorectal cancer deaths from 2001 to 2010. The number of deaths ranged from a low of 353 in 2005 to a high of 466 in 2002.

Table M10. Leading Causes of Premature Death (Age < 65) in Specified Racial/Ethnic Groups* by Sex, New York City, 2010

Rank	Puerto Rican	All Deaths	All Percent	Male Deaths	Male Percent	Female Deaths	Female Percent
1	Malignant Neoplasms	401	20.3	241	19.0	160	22.6
2	Diseases of Heart	347	17.5	221	17.4	126	17.8
3	Human Immunodeficiency Virus (HIV) Disease	182	9.2	127	10.0	55	7.8
4	Use of or Poisoning by Psychoactive Substance	127	6.4	96	7.6	31	4.4
5	Chronic Liver Disease and Cirrhosis	73	3.7	58	4.6	15	2.1
6	Assault (Homicide)	70	3.5	61	4.8	9	1.3
7	Diabetes Mellitus	68	3.4	32	2.5	36	5.1
8	Accidents Except Poisoning by Psychoactive Substance	67	3.4	47	3.7	20	2.8
9	Viral Hepatitis	66	3.3	49	3.9	17	2.4
10	Chronic Lower Respiratory Diseases	60	3.0	30	2.4	30	4.2
	All Other Causes	517	26.1	308	24.3	209	29.5
	Total	1,978	100.0	1,270	100.0	708	100.0

Rank	Other Hispanic	All Deaths	All Percent	Male Deaths	Male Percent	Female Deaths	Female Percent
1	Malignant Neoplasms	435	26.5	182	18.1	253	40.0
2	Diseases of Heart	272	16.6	198	19.7	74	11.7
3	Accidents Except Poisoning by Psychoactive Substance	77	4.7	60	6.0	17	2.7
4	Assault (Homicide)	70	4.3	58	5.8	12	1.9
5	Human Immunodeficiency Virus (HIV) Disease	67	4.1	50	5.0	17	2.7
6	Chronic Liver Disease and Cirrhosis	56	3.4	45	4.5	11	1.7
7	Use of or Poisoning by Psychoactive Substance	54	3.3	36	3.6	18	2.8
8	Intentional Self-harm (Suicide)	50	3.1	37	3.7	13	2.1
9	Diabetes Mellitus	49	3.0	33	3.3	16	2.5
10	Congenital Malformations, Deformations	48	2.9	22	2.2	26	4.1
	All Other Causes	461	28.1	286	28.4	175	27.7
	Total	1,639	100.0	1,007	100.0	632	100.0

Rank	Asian and Pacific Islander	All Deaths	All Percent	Male Deaths	Male Percent	Female Deaths	Female Percent
1	Malignant Neoplasms	407	39.0	210	32.0	197	50.9
2	Diseases of Heart	177	17.0	138	21.0	39	10.1
3	Intentional Self-harm (Suicide)	54	5.2	40	6.1	14	3.6
4	Cerebrovascular Diseases	50	4.8	31	4.7	19	4.9
5	Accidents Except Poisoning by Psychoactive Substance	34	3.3	23	3.5	11	2.8
6	Diabetes Mellitus	32	3.1	24	3.7	8	2.1
7	Influenza and Pneumonia	31	3.0	22	3.4	9	2.3
8	Chronic Liver Disease and Cirrhosis	19	1.8	16	2.4	3	0.8
9	Congenital Malformations, Deformations	15	1.4	9	1.4	6	1.6
10	Assault (Homicide)	14	1.3	8	1.2	6	1.6
	All Other Causes	210	20.1	135	20.6	75	19.4
	Total	1,043	100.0	656	100.0	387	100.0

Rank	Non-Hispanic White	All Deaths	All Percent	Male Deaths	Male Percent	Female Deaths	Female Percent
1	Malignant Neoplasms	1,852	35.5	988	29.7	864	45.7
2	Diseases of Heart	1,044	20.0	782	23.5	262	13.9
3	Use of or Poisoning by Psychoactive Substance	279	5.3	208	6.3	71	3.8
4	Intentional Self-harm (Suicide)	211	4.0	161	4.8	50	2.6
5	Accidents Except Poisoning by Psychoactive Substance	207	4.0	159	4.8	48	2.5
6	Chronic Lower Respiratory Diseases	114	2.2	60	1.8	54	2.9
7	Diabetes Mellitus	113	2.2	76	2.3	37	2.0
8	Chronic Liver Disease and Cirrhosis	111	2.1	75	2.3	36	1.9
9	Influenza and Pneumonia	107	2.1	69	2.1	38	2.0
10	Human Immunodeficiency Virus (HIV) Disease	90	1.7	68	2.0	22	1.2
	All Other Causes	1,091	20.9	682	20.5	409	21.6
	Total	5,219	100.0	3,328	100.0	1,891	100.0

Rank	Non-Hispanic Black	All Deaths	All Percent	Male Deaths	Male Percent	Female Deaths	Female Percent
1	Malignant Neoplasms	1,324	24.5	600	19.2	724	31.9
2	Diseases of Heart	1,112	20.6	704	22.5	408	18.0
3	Human Immunodeficiency Virus (HIV) Disease	403	7.5	267	8.5	136	6.0
4	Assault (Homicide)	342	6.3	296	9.5	46	2.0
5	Diabetes Mellitus	215	4.0	111	3.6	104	4.6
6	Cerebrovascular Diseases	159	2.9	79	2.5	80	3.5
7	Use of or Poisoning by Psychoactive Substance	158	2.9	99	3.2	59	2.6
8	Accidents Except Poisoning by Psychoactive Substance	144	2.7	118	3.8	26	1.1
9	Chronic Lower Respiratory Diseases	119	2.2	67	2.1	52	2.3
10	Essential Hypertension and Renal Diseases	116	2.1	60	1.9	56	2.5
	All Other Causes	1,306	24.2	725	23.2	581	25.6
	Total	5,398	100.0	3,126	100.0	2,272	100.0

Note: For each racial/ethnic group, the 10 leading causes of death are listed in decreasing order of frequency for that racial/ethnic group overall.

* Decedents of other or multiple races or with unknown ethnicities are not shown.

Table M11. Deaths and Death Rates per 100,000 Population From Selected Underlying Causes, Overall and by Racial/Ethnic Group* and Sex, New York City, 2010

Cause of Death	Total No.	Total Crude Rate	Total Age-Adj. Rate	Hispanic No.	Hispanic Crude Rate	Hispanic Age-Adj. Rate	Non-Hispanic White No.	NH White Crude Rate	NH White Age-Adj. Rate	Non-Hispanic Black No.	NH Black Crude Rate	NH Black Age-Adj. Rate	Asian and Pacific Islander No.	A&PI Crude Rate	A&PI Age-Adj. Rate	Other or Unknown No.	Male No.	Male Crude Rate	Male Age-Adj. Rate	Female No.	Female Crude Rate	Female Age-Adj. Rate
All Causes†	52,575	6.4	6.3	9,340	4.0	5.5	25,790	9.5	6.6	13,637	7.3	7.5	3,157	7.3	3.9	651	25,863	6.7	7.7	26,712	6.2	5.2
Natural Causes	49,811	609.3	593.9	8,727	373.6	519.2	24,706	907.3	623.2	12,799	687.6	707.3	2,980	289.8	368.1	599	23,878	615.0	718.0	25,933	604.1	504.7
Human Immunodeficiency Virus (HIV) Disease	832	10.2	9.5	268	11.5	12.1	100	3.7	3.2	449	24.1	22.3	6	0.6	0.5	9	574	14.8	14.2	258	6.0	5.5
Malignant Neoplasms	13,333	163.1	161.0	2,102	90.0	120.0	6,846	251.4	188.6	3,308	177.7	179.6	943	91.7	105.9	134	6,603	170.1	195.4	6,730	156.8	138.6
Malignant neoplasm of stomach	439	5.4	5.3	103	4.4	5.8	166	6.1	4.5	111	6.0	6.2	51	5.0	5.6	8	226	5.8	6.7	213	5.0	4.4
Malignant neoplasm of colon, rectum, and anus	1,393	17.0	16.7	226	9.7	12.9	695	25.5	18.5	361	19.4	19.5	95	9.2	11.1	16	735	18.9	21.8	658	15.3	13.2
Malignant neoplasm of pancreas	922	11.3	11.2	125	5.4	7.3	518	19.0	14.0	205	11.0	11.3	65	6.3	7.7	9	433	11.2	12.7	489	11.4	9.9
Malignant neoplasms of trachea, bronchus, and lung (male)	1,553	40.0	45.9	209	18.5	31.8	810	61.4	52.6	382	45.8	54.6	139	28.2	34.7	13	1,553	40.0	45.9	-	-	-
Malignant neoplasms of trachea, bronchus, and lung (female)	1,393	32.5	28.9	145	12.0	14.0	802	57.1	39.0	344	33.5	30.1	88	16.5	18.5	14	-	-	-	1,393	32.5	28.9
Malignant neoplasm of breast (female)	1,068	24.9	22.0	162	13.4	15.0	531	37.8	26.2	324	31.5	28.2	47	8.8	9.3	4	-	-	-	1,068	24.9	22.0
Malignant neoplasm of cervix uteri	129	3.0	2.7	30	2.5	2.9	41	2.9	2.2	48	4.7	4.2	10	1.9‡	1.8‡	-	-	-	-	129	3.0	2.7
Malignant neoplasm of ovary	368	8.6	7.7	51	4.2	4.7	202	14.4	10.5	84	8.2	7.3	26	4.9	5.0	5	-	-	-	368	8.6	7.7
Malignant neoplasm of prostate	777	20.0	24.9	127	11.2	22.7	351	26.6	22.2	257	30.8	44.2	30	6.1	9.3	12	777	20.0	24.9	-	-	-
Leukemia	549	6.7	6.7	87	3.7	4.7	333	12.2	9.5	96	5.2	5.2	30	2.9	3.4	3	307	7.9	9.0	242	5.6	5.1
Diabetes Mellitus	1,711	20.9	20.6	406	17.4	24.4	503	18.5	13.4	663	35.6	36.8	115	11.2	14.1	24	787	20.3	23.2	924	21.5	18.5
Parkinson's Disease	196	2.4	2.4	34	1.5	2.3	134	4.9	3.2	16	0.9	0.9	11	1.1‡	1.5‡	1	111	2.9	3.6	85	2.0	1.6
Alzheimer's Disease	577	7.1	6.7	102	4.4	7.4	341	12.5	7.1	108	5.8	6.4	23	2.2	3.5	3	155	4.0	5.2	422	9.8	7.3
Diseases of Heart	17,929	219.3	212.2	2,671	114.3	169.1	9,846	361.6	232.3	4,297	230.9	242.0	873	84.9	114.3	242	8,466	218.1	262.2	9,463	220.4	176.0
Hypertensive heart disease	1,831	22.4	21.7	358	15.3	21.1	714	26.2	18.0	662	35.6	36.2	78	7.6	9.6	19	881	22.7	25.6	950	22.1	18.4
Chronic ischemic heart diseases	12,261	150.0	145.2	1,717	73.5	111.2	7,067	259.5	165.3	2,708	145.5	153.8	602	58.6	79.5	167	5,800	149.4	182.0	6,461	150.5	119.3
Acute myocardial infarction	2,296	28.1	27.2	357	15.3	22.5	1,265	46.5	29.9	526	28.3	29.9	115	11.2	14.7	33	1,090	28.1	33.7	1,206	28.1	22.4
Essential (Primary) Hypertension and Hypertensive Renal Disease	1,046	12.8	12.4	170	7.3	10.8	372	13.7	8.6	430	23.1	24.2	63	6.1	8.2	11	439	11.3	13.5	607	14.1	11.5
Cerebrovascular Diseases	1,583	19.4	18.8	308	13.2	18.9	658	24.2	16.0	430	23.1	23.7	172	16.7	21.4	15	677	17.4	20.3	906	21.1	17.4
Influenza and Pneumonia	2,457	30.1	29.1	463	19.8	29.7	1,321	48.5	30.6	476	25.6	27.1	182	17.7	24.5	15	1,168	30.1	37.1	1,289	30.0	23.9
Chronic Lower Respiratory Diseases	1,716	21.0	20.6	305	13.1	18.8	890	32.7	22.6	408	21.9	22.9	89	8.7	12.3	24	817	21.0	25.3	899	20.9	17.6
Asthma	185	2.3	2.2	54	2.3	2.8	43	1.6	1.3	74	4.0	3.9	12	1.2	1.3	2	98	2.5	2.6	87	2.0	1.8
Chronic Liver Disease and Cirrhosis	521	6.4	6.1	199	8.5	10.2	177	6.5	5.4	111	6.0	5.5	28	2.7	2.8	6	352	9.1	9.2	169	3.9	3.6
External Causes	2,764	33.8	33.0	613	26.2	27.2	1,084	39.8	35.0	838	45.0	45.1	177	17.2	18.5	52	1,985	51.1	51.3	779	18.1	16.9
Motor Vehicle Accidents	279	3.4	3.4	70	3.0	3.2	114	4.2	4.0	58	3.1	3.1	32	3.1	3.2	5	198	5.1	5.2	81	1.9	1.8
Falls	367	4.5	4.4	52	2.2	2.9	207	7.6	5.2	62	3.3	3.3	38	3.7	5.2	8	216	5.6	6.4	151	3.5	2.9
Intentional Self-Harm (Suicide)	503	6.2	5.9	102	4.4	4.5	243	8.9	8.1	83	4.5	4.5	63	6.1	6.0	12	374	9.6	9.5	129	3.0	2.9
Assault (Homicide)	551	6.7	6.8	142	6.1	5.8	38	1.4	1.3	348	18.7	19.2	16	1.6	1.5	7	462	11.9	11.7	89	2.1	2.1
Events of Undetermined Intent	217	2.7	2.6	38	1.6	1.6	102	3.7	3.3	62	3.3	3.3	10	1.0‡	0.9‡	5	145	3.7	3.7	72	1.7	1.6
Mental and Behavioral Disorders Due to Use of or Accidental Poisoning by Psychoactive Substances, Excluding Alcohol	665	8.1	7.7	188	8.0	8.2	286	10.5	9.9	174	9.3	8.6	5	0.5‡	0.5‡	12	471	12.1	11.6	194	4.5	4.2
Accidents Except Drug Poisoning	933	11.4	11.2	191	8.2	9.2	436	16.0	13.1	205	11.0	11.0	81	7.9	9.5	20	621	16.0	17.0	312	7.3	6.5

* See Technical Notes: Demographic Characteristics of Vital Events: Race, Ancestry, and Ethnic Group.
† For All Causes, rates are per 1,000 population and all other selected causes rates are per 100,000 population. Population data are from 2010 US Census.
‡ Rate are not statistically reliable.

Table M12. Deaths and Death Rates* per 100,000 Population From Selected Underlying Causes by Community District of Residence, New York City, 2010

Community District of Residence	Population 2010 Census	All Causes (Rate per 1,000) No.	Crude Rate	Age-Adjusted Rate#	Heart Diseases No.	Crude Rate	Malignant Neoplasms No.	Crude Rate	HIV Disease No.	Crude Rate	Influenza and Pneumonia No.	Crude Rate	Cerebrovascular Diseases No.	Crude Rate	Chronic Lower Respiratory Diseases No.	Crude Rate	Chronic Liver Disease & Cirrhosis No.	Crude Rate	Diabetes Mellitus No.	Crude Rate	Mental Disorders due to Substance Use & Accidental Poisoning No.	Crude Rate	Accidents Except Drug Poisoning No.	Crude Rate	Intentional Self-harm (Suicide) No.	Crude Rate	Assault † (Homicide) No.	Crude Rate	Events of Undetermined Intent No.	Crude Rate
ALL DEATH EVENTS	8,175,133	52,575	6.4	6.3	17,929	219.3	13,333	163.1	832	10.2	2,457	30.1	1,583	19.4	1,716	21.0	521	6.4	1,711	20.9	665	8.1	933	11.4	503	6.2	551	6.7	217	2.7
MANHATTAN‡	1,585,873	9,398	5.9	5.3	2,882	181.7	2,479	156.3	170	10.7	411	25.9	304	19.2	329	20.7	83	5.2	278	17.5	110	6.9	174	11.0	101	6.4	48	3.0	45	2.8
Battery Park, Tribeca (01)	60,978	179	2.9	4.7	50	82.0	51	83.6	–	–	8	13.1	10	16.4	7	11.5	3	4.9	4	6.6	3	4.9	4	6.6	1	1.6	–	–	–	–
Greenwich Village, SOHO (02)	90,016	409	4.5	4.3	120	133.3	127	141.1	3	3.3	17	18.9	13	14.4	18	20.0	2	2.2	11	12.2	2	2.2	11	12.2	8	8.9	1	1.1	2	2.2
Lower East Side (03)	163,277	1,143	7.0	5.9	320	196.0	290	177.6	28	17.1	55	33.7	44	26.9	39	23.9	15	9.2	46	28.2	12	7.3	25	15.3	9	5.5	6	3.7	4	2.4
Chelsea, Clinton (04)	103,245	565	5.5	5.6	167	161.8	135	130.8	8	7.7	18	17.4	14	13.6	20	19.4	5	4.8	17	16.5	11	10.7	13	12.6	9	8.7	1	1.0	5	4.8
Midtown Business District (05)	51,673	235	4.5	4.9	67	129.7	76	147.1	6	11.6	6	11.6	6	11.6	8	15.5	–	–	3	5.8	5	9.7	4	7.7	8	15.5	–	–	5	5.8
Murray Hill (06)	142,745	791	5.5	4.4	261	182.8	251	175.8	5	3.5	31	21.7	20	14.0	26	18.2	7	4.9	18	12.6	5	3.5	19	13.3	9	6.3	1	0.7	5	3.5
Upper West Side (07)	209,084	1,337	6.4	4.7	458	219.1	354	169.3	24	11.5	58	27.7	53	25.3	41	19.6	10	4.8	26	12.4	7	3.3	18	8.6	13	6.2	2	1.0	4	1.9
Upper East Side (08)	219,920	1,362	6.2	4.5	433	196.9	404	183.7	12	5.5	70	31.8	36	16.4	54	24.6	6	2.7	21	9.5	9	4.1	27	12.3	17	7.7	–	–	6	2.7
Manhattanville (09)	110,193	620	5.6	6.1	194	176.1	151	137.0	11	10.0	26	23.6	27	24.5	16	14.5	8	7.3	24	21.8	11	10.0	5	4.5	6	5.4	6	5.4	2	1.8
Central Harlem (10)	115,723	850	7.3	8.0	262	226.4	199	172.0	26	22.5	35	30.2	19	16.4	26	22.5	6	5.2	38	32.8	17	14.7	19	16.4	5	4.3	11	9.5	5	4.3
East Harlem (11)	120,511	937	7.8	7.7	268	222.4	202	167.6	35	29.0	38	31.5	30	24.9	35	29.0	10	8.3	43	35.7	19	15.8	11	9.1	8	6.6	12	10.0	5	4.1
Washington Heights (12)	190,020	950	5.0	4.9	277	145.8	236	124.2	12	6.3	49	25.8	32	16.8	39	20.5	10	5.3	26	13.7	6	3.2	17	8.9	8	4.2	8	4.2	4	2.1
BRONX‡	1,385,108	8,547	6.2	6.8	2,710	195.7	1,939	140.0	254	18.3	434	31.3	260	18.8	350	25.3	98	7.1	323	23.3	167	12.1	137	9.9	54	3.9	133	9.6	29	2.1
Mott Haven (01)	91,497	516	5.6	7.5	141	154.1	101	110.4	20	21.9	26	28.4	12	13.1	24	26.2	6	6.6	25	27.3	16	17.5	6	6.6	5	5.5	17	18.6	–	–
Hunts Point (02)	52,246	253	4.8	6.7	78	149.3	61	116.8	9	17.2	11	21.1	6	11.5	7	13.4	3	5.7	7	13.4	8	15.3	4	7.7	2	3.8	8	15.3	2	3.8
Morrisania (03)	79,762	468	5.9	8.5	116	145.4	108	135.4	32	40.1	15	18.8	7	8.8	20	25.1	6	7.5	29	36.4	13	16.3	7	8.8	3	3.8	14	17.6	3	3.8
Concourse, Highbridge (04)	146,441	795	5.4	7.2	208	142.0	171	116.8	46	31.4	35	23.9	19	13.0	43	29.4	20	13.7	36	24.6	23	15.7	6	4.1	4	2.7	16	10.9	2	1.4
University/Morris Heights (05)	128,200	567	4.4	6.5	144	112.3	127	99.1	34	26.5	34	26.5	22	17.2	24	18.7	12	9.4	23	17.9	19	14.8	9	7.0	8	6.2	10	7.8	1	0.8
East Tremont (06)	83,268	427	5.1	7.3	107	128.5	92	110.5	20	24.0	17	20.4	9	10.8	17	20.4	3	3.6	25	30.0	16	19.2	12	14.4	4	4.8	8	9.6	2	2.4
Fordham (07)	139,286	738	5.3	6.9	256	183.8	150	107.7	20	14.4	36	25.8	27	19.4	40	28.7	8	5.7	22	15.8	9	6.5	16	11.5	7	5.0	11	7.9	5	3.6
Riverdale (08)	101,731	954	9.4	5.9	393	386.3	213	209.4	4	3.9	43	42.3	23	22.6	32	31.5	5	4.9	29	28.5	7	6.9	14	13.8	3	2.9	3	2.9	3	2.9
Unionport, Soundview (09)	172,298	955	5.5	6.5	316	183.4	211	122.5	21	12.2	43	25.0	29	16.8	24	13.9	13	7.5	35	20.3	16	9.3	17	9.9	4	2.3	15	8.7	5	2.9
Throgs Neck (10)	120,392	1,033	8.6	6.2	361	299.9	275	228.4	6	5.0	61	50.7	36	29.9	47	39.0	6	5.0	23	19.1	17	14.1	13	10.8	7	5.8	6	5.0	2	1.7
Pelham Parkway (11)	113,232	953	8.4	7.2	326	287.9	218	192.5	19	16.8	67	59.2	30	26.5	39	34.4	10	8.8	32	28.3	14	12.4	17	15.0	7	2.6	9	7.9	2	1.8
Williamsbridge (12)	152,344	885	5.8	6.0	262	172.0	212	139.2	23	15.1	46	30.2	40	26.3	33	21.7	6	3.9	37	24.3	9	5.9	16	10.5	4	2.6	16	10.5	2	1.3
BROOKLYN	2,504,700	15,253	6.1	6.2	5,309	212.0	3,686	147.2	262	10.5	746	29.8	467	18.6	457	18.2	150	6.0	572	22.8	159	6.3	243	9.7	116	4.6	214	8.5	59	2.4
Williamsburg, Greenpoint (01)	173,083	792	4.6	6.1	265	153.1	193	111.5	9	5.2	29	16.8	30	17.3	21	12.1	14	8.1	43	24.8	10	5.8	12	6.9	10	5.8	3	1.7	4	2.3
Fort Greene, Brooklyn Heights (02)	99,617	587	5.9	6.4	216	216.8	144	144.6	8	8.0	17	17.1	15	15.1	22	22.1	5	5.0	25	25.1	8	8.0	11	11.0	4	4.0	8	8.0	3	3.0
Bedford Stuyvesant (03)	152,985	972	6.4	8.0	305	199.4	207	135.3	37	24.2	42	27.5	31	20.3	31	20.3	11	7.2	48	31.4	17	11.1	16	10.5	4	2.6	35	22.9	4	2.6
Bushwick (04)	112,634	479	4.3	6.3	130	115.4	93	82.6	18	16.0	27	24.0	12	10.7	34	18.6	12	10.7	25	22.2	7	6.2	8	7.1	7	6.2	11	9.8	4	3.6
East New York (05)	182,896	1,044	5.7	6.8	338	184.8	235	128.5	38	20.8	35	19.1	43	23.5	34	18.6	20	10.9	43	23.5	13	7.1	13	7.1	8	4.4	34	18.6	4	2.2
Park Slope (06)	104,709	523	5.0	6.1	203	193.9	130	124.2	3	2.9	23	22.0	11	10.5	19	18.1	4	3.8	15	14.3	6	5.7	4	3.8	8	7.6	2	1.9	2	1.9
Sunset Park (07)	126,230	546	4.3	5.9	187	148.1	140	110.9	2	1.6	40	31.7	18	14.3	17	13.5	6	4.8	16	12.7	13	10.3	10	7.9	6	4.8	6	4.8	2	1.6
Crown Heights North (08)	96,317	577	6.0	6.9	180	186.9	135	140.2	24	24.9	21	21.8	18	18.7	18	18.7	4	4.2	31	32.2	7	7.3	6	6.2	10	10.4	17	17.7	1	1.0
Crown Heights South (09)	98,429	582	5.9	6.1	153	155.4	161	163.6	14	14.2	21	21.3	19	19.3	13	13.2	3	3.0	40	40.6	5	5.1	9	9.1	7	7.1	10	10.2	1	1.0
Bay Ridge (10)	124,491	928	7.5	6.1	366	294.0	219	175.9	4	5.6	84	67.5	20	16.1	26	20.9	11	8.8	13	10.4	7	5.6	22	17.7	7	5.6	1	0.8	3	2.4
Bensonhurst (11)	181,981	1,246	6.8	5.5	491	269.8	315	173.1	4	2.2	65	35.7	32	17.6	45	24.7	10	5.5	32	17.6	8	4.4	17	9.3	7	3.8	2	1.1	2	1.1
Borough Park (12)	191,382	919	4.8	5.0	307	160.4	236	123.3	2	1.0	62	32.4	24	12.5	23	12.0	5	2.6	26	13.6	5	2.6	20	10.5	4	2.1	4	2.1	4	2.1
Coney Island (13)	104,278	1,264	12.1	7.2	492	471.8	297	284.8	14	13.4	80	76.7	39	37.4	32	30.7	5	4.8	30	28.8	11	10.5	15	14.4	5	4.8	10	9.6	7	6.7
Flatbush, Midwood (14)	160,664	935	5.8	5.9	346	215.4	232	144.4	16	10.0	37	23.0	26	16.2	32	14.9	5	3.1	42	26.1	4	2.5	13	8.1	8	5.0	9	5.6	4	2.5
Sheepshead Bay (15)	159,650	1,244	7.8	5.4	495	310.1	291	182.3	3	1.9	79	49.5	41	25.7	41	25.7	11	6.9	27	16.9	6	3.8	26	16.3	8	5.0	4	2.5	4	2.5
Brownsville (16)	86,468	637	7.4	9.2	179	207.0	142	164.2	31	35.9	17	19.7	24	27.8	26	30.1	7	8.1	29	33.5	13	15.0	9	10.4	4	4.6	25	28.9	3	3.5
East Flatbush (17)	155,252	826	5.3	5.4	255	164.2	214	137.8	20	12.9	27	17.4	28	18.0	15	9.7	10	6.4	50	32.2	5	3.2	12	7.7	3	1.9	19	12.2	3	1.9
Canarsie (18)	193,543	1,145	5.9	5.9	401	207.2	302	156.0	12	6.2	38	19.6	36	18.6	36	18.6	7	3.6	37	19.1	14	7.2	19	9.8	9	4.7	11	5.7	4	2.1

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Continued on next page.

Table M12. Deaths and Death Rates* per 100,000 Population From Selected Underlying Causes by Community District of Residence, New York City, 2010 (Continued)

Community District of Residence	Population 2010 Census	All Causes (Rate per 1,000) No.	Crude Rate	Age-Adjusted Rate	Heart Diseases No.	Crude Rate	Malignant Neoplasms No.	Crude Rate	HIV Disease No.	Crude Rate	Influenza and Pneumonia No.	Crude Rate	Cerebro-vascular Diseases No.	Crude Rate	Chronic Lower Respiratory Diseases No.	Crude Rate	Chronic Liver Disease & Cirrhosis No.	Crude Rate	Diabetes Mellitus No.	Crude Rate	Mental Disorders due to Substance Use & Accidental Poisoning No.	Crude Rate	Accidents Except Drug Poisoning No.	Crude Rate	Intentional Self-harm (Suicide) No.	Crude Rate	Assault † (Homicide) No.	Crude Rate	Events of Undetermined Intent No.	Crude Rate
QUEENS	2,230,722	12,155	5.4	5.0	4,759	213.3	2,884	129.3	79	3.5	618	27.7	379	17.0	359	16.1	119	5.3	360	16.1	108	4.8	207	9.3	148	6.6	99	4.4	37	1.7
Astoria, Long Island City (01)	191,105	996	5.2	5.6	383	200.4	258	135.0	4	2.1	45	23.5	32	16.7	28	14.7	8	4.2	33	17.3	19	9.9	16	8.4	8	4.2	5	2.6	8	4.2
Sunnyside, Woodside (02)	113,200	470	4.2	4.6	185	163.4	122	107.8	2	1.8	25	22.1	16	14.1	8	7.1	10	8.8	11	9.7	4	3.5	7	6.2	9	8.0	–	–	–	–
Jackson Heights (03)	171,576	720	4.2	4.8	250	145.7	151	88.0	8	4.7	56	32.6	14	8.2	28	16.3	10	5.8	24	14.0	5	2.9	14	8.2	13	7.6	4	2.3	3	1.7
Elmhurst, Corona (04)	172,598	614	3.6	4.5	190	110.1	163	94.4	–	–	36	20.9	31	18.0	13	7.5	7	4.1	13	7.5	6	3.5	14	8.1	12	7.0	7	4.1	3	1.7
Ridgewood, Glendale (05)	169,190	1,007	6.0	5.7	381	225.2	255	150.7	4	2.4	48	28.4	24	14.2	38	22.5	14	8.3	32	18.9	7	4.1	20	11.8	12	7.1	6	3.5	4	2.4
Rego Park, Forest Hills (06)	113,257	836	7.4	4.8	339	299.3	202	178.4	3	2.6	88	77.7	18	15.9	15	13.2	2	1.8	13	11.5	6	5.3	15	13.2	12	10.6	–	–	3	2.6
Flushing (07)	247,354	1,526	6.2	4.4	619	250.2	365	147.6	2	0.8	88	35.6	59	23.9	49	19.8	9	3.6	23	9.3	13	5.3	30	12.1	20	8.1	8	3.2	2	0.8
Fresh Meadows, Briarwood (08)	151,107	893	5.9	4.9	379	250.8	192	127.1	5	3.3	53	35.1	32	21.2	28	18.5	5	3.3	20	13.2	5	3.3	10	6.6	11	7.3	4	2.6	2	1.3
Woodhaven (09)	143,317	620	4.3	5.0	235	164.0	145	101.2	5	3.5	27	18.8	24	16.7	16	11.2	9	6.3	30	20.9	6	4.2	9	6.3	5	3.5	5	3.5	3	2.1
Howard Beach (10)	122,396	639	5.2	5.1	252	205.9	152	124.2	5	4.1	23	18.8	16	13.1	15	12.3	11	9.0	24	19.6	10	8.2	20	16.3	9	7.4	3	2.5	2	1.6
Bayside (11)	116,431	614	5.3	3.6	257	220.7	166	142.6	1	0.9	31	26.6	25	21.5	17	14.6	3	2.6	8	6.9	6	5.2	5	4.3	8	6.9	–	–	1	0.9
Jamaica, St. Albans (12)	225,919	1,317	5.8	5.9	510	225.7	283	125.3	22	9.7	43	19.0	43	19.0	31	13.7	13	5.8	69	30.5	6	2.7	19	8.4	7	3.1	35	15.5	–	–
Queens Village (13)	188,593	894	4.7	4.0	318	168.6	222	117.7	7	3.7	29	15.4	29	15.4	23	12.2	6	3.2	34	18.0	5	2.7	14	7.4	13	6.9	14	7.4	1	0.5
The Rockaways (14)	114,978	997	8.7	8.1	458	398.3	208	180.9	10	8.7	26	22.6	16	13.9	49	42.6	11	9.6	25	21.7	8	7.0	14	12.2	8	7.0	8	7.0	5	4.3
STATEN ISLAND	468,730	3,273	7.0	6.6	1,335	284.8	836	178.4	27	5.8	144	30.7	61	13.0	136	29.0	23	4.9	104	22.2	53	11.3	66	14.1	27	5.8	22	4.7	16	3.4
Port Richmond (01)	175,756	1,188	6.8	7.3	464	264.0	297	169.0	19	10.8	40	22.8	17	9.7	37	21.1	7	4.0	50	28.4	25	14.2	32	18.2	12	6.8	15	8.5	4	2.3
Willowbrook, South Beach (02)	132,003	1,066	8.1	6.3	483	365.9	251	190.1	3	2.3	47	35.6	19	14.4	55	41.7	10	7.6	27	20.5	15	11.4	14	10.6	9	6.8	2	1.5	8	6.1
Tottenville (03)	160,209	1,018	6.4	6.2	388	242.2	287	179.1	5	3.1	57	35.6	25	15.6	44	27.5	6	3.7	27	16.9	13	8.1	20	12.5	6	3.7	5	3.1	4	2.5
NONRESIDENTS	–	3,854	–	–	909	–	1,507	–	39	–	103	–	111	–	82	–	45	–	73	–	65	–	89	–	50	–	33	–	17	–
RESIDENCE UNKNOWN	–	95	–	–	25	–	2	–	1	–	1	–	1	–	3	–	3	–	1	–	3	–	17	–	7	–	2	–	14	–

Note: Borough totals may be higher than the sum of the community districts, as they may include some deaths whose community district could not be determined.
* Rates are calculated based on 2010 Census population counts derived by the Department of City Planning. See Technical Notes: Population, Community District.
† See Technical Notes: Deaths, Homicide.
‡ The northernmost Manhattan neighborhood of Marble Hill is in the Bronx under the community district system. As a result, the numbers of deaths in Manhattan and Bronx are slightly different from Table M1.

Cause (ICD-10 Codes) ‡‡	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 and Older	§§	§§	§§	§§	§§	§§	§§	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†	§§	§§	§§	§§	§§	§§	§§	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-O95, 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
HIV Disease (B20-B24) ‡	§§	§§	§§	§§	§§	§§	§§	§§	§§	§§	§§	§§
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
Colon, rectum, and anus (C18-C21)	§§	§§	§§	§§	§§	§§	§§	§§	§§	§§	§§	§§
Rate												
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 and Pneumonia (J09-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 Diseases(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 and Cirrhosis (K70, K73-K74)	814	1,076	900	500	338	413	584	922	1,052	1,500	1,500	1,440
Rate	21.5	24.1	17.8	9.1	5.5	6.2	8.2	12.5	13.8	17.5	19.2	18.3
Nephritis, Nephrosis, etc. (N00-N07, N17-N19, N25-N27)	5,752	5,600	5,499	5,676	4,108	3,411	3,608	3,675	3,081	2,574	570	556
Rate	151.9	125.2	108.9	103.4	50.9	50.8	50.9	40.6	40.6	33.1	7.2	7.1
Use of Psychoactive Substance (F11-F16, F18-F19)	§§	§§	§§	§§	§§	§§	§§	§§	§§	§§	§§	81
Rate												1.0
Accidental Drug Poisoning (X40-X42, X44)	§§	§§	§§	§§	§§	§§	§§	§§	§§	§§	§§	§§
Rate												
Motor Vehicle Accidents¶	§§	§§	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												

*Populations for calculating rates vary by year. See Technical Notes: Population, Citywide.
†Perinatal mortality ratio: see section titled "Rates and Ratios Defined" for definition.
‡AIDS was first reported as a cause of death in 1982. See the Technical Notes and Historical Technical Notes: Deaths, HIV and AIDS Mortality.
§Data for 1982-1985.
\|\|Rate less than 0.05.
¶Motor vehicle accident codes are listed in Table M1.
**World Trade Center (WTC) disaster deaths are not included in 2001. See Special Section on WTC deaths in the 2002 Summary of Vital Statistics for detailed statistics.
††Beginning January 2007, causes of death coding was changed. See Technical Notes: Deaths, Cause of Death Coding.
‡‡ Codes following causes in parenthesis are the International Classification of Diseases, Tenth Revision.
§§Data are not available or not applicable.
\|\|\|\|See Technical Notes: Maternal Death and Maternal Mortality.

for Selected Causes, New York City, 1901-2010

AVERAGE

1956-1960	1961-1965	1966-1970	1971-1975	1976-1980	1981-1985	1986-1990	1991-1995	1996-2000	2001**	2002	2003	2004	2005	2006	2007††	2008	2009	2010
4,290	4,333	3,477	2,312	1,875	1,624	1,691	1,339	881	760	742	807	760	732	740	697	698	668	609
25.7	26.2	23.6	19.9	17.4	14.4	12.8	10.0	7.1	6.1	6.0	6.5	6.1	6.0	5.9	5.4	5.5	5.3	4.9
3,220	3,226	2,602	1,714	1,333	1,097	1,159	912	609	524	497	542	516	481	484	430	466	444	403
19.3	19.5	17.7	14.8	12.3	9.7	8.8	6.8	4.9	4.2	4.0	4.4	4.2	3.9	3.9	3.3	3.6	3.5	3.2
2,909	2,922	2,351	1,480	1,131	927	972	753	478	409	379	432	377	374	362	311	345	343	316
17.4	17.7	16.0	12.8	10.5	8.2	7.4	5.6	3.8	3.3	3.1	3.5	3.0	3.0	2.9	2.4	2.7	2.7	2.5
2,362	2,276	1,885	1,288	835	719	698	686	518	444	460	410	419	422	379	387	395	407	373
14.1	13.8	12.8	11.1	7.7	6.4	5.3	5.1	4.2	3.6	3.7	3.3	3.4	3.4	3.0	3.0	3.1	3.2	3.0
31.1	31.0	28.4	23.6	18.1	14.5	12.6	10.6	8.0	6.9	6.8	6.7	6.4	6.5	5.9	5.4	5.8	5.9	5.5
§§	§§	§§	§§	§§	§§	§§	§§	30	43	32	29	29	26	34	39	42	42	36
								24.1	34.7	26.0	23.3	23.4	21.2	27.1	30.2	32.9	33.1	28.8
107	109	73	36	28	33	29	26	22	41	31	22	28	21	29	32	39	31	30
64.1	66.0	49.6	31.1	25.9	29.2	22.3	19.2	17.5	33.1	25.2	17.7	22.6	17.1	23.1	24.8	30.5	24.5	24.0
824	624	432	235	141	125	174	135	39	30	26	26	26	17	15	14	13	18	19
10.6	8.0	5.5	3.1	2.0	1.7	2.4	1.8	0.5	0.4	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2
52	43	39	32	22	35	55	34	14	3	4	8	5	4	3	2	5	7	7
0.7	0.6	0.5	0.4	0.3	0.5	0.8	0.5	0.2	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.1	0.1	0.1
§§	§§	§§	§§	§§	768§	3,703	6,257	2,716	1,774	1,713	1,656	1,451	1,419	1,209	1,115	1,073	933	832
					10.7	50.9	83.2	36.4	22.0	21.2	20.5	18.0	17.7	15.1	13.9	13.3	11.5	10.2
16,869	17,398	17,814	17,315	16,549	15,889	15,612	15,191	14,335	14,041	13,742	13,826	13,611	13,366	13,116	13,251	13,047	13,180	13,333
216.1	222.1	226.3	226.3	228.7	222.3	214.7	201.9	192.2	174.2	170.2	171.4	169.2	166.8	164.1	165.4	161.7	162.1	162.9
1,157	1,294	1,890	2,434	2,387	2,217	2,201	2,083	1,849	1,746	1,708	1,738	1,727	1,648	1,580	1,597	1,593	1,500	1,553
30.9	34.8	51.0	68.1	71.0	66.7	64.4	60.6	52.7	45.7	44.7	45.4	45.3	43.4	41.7	42.0	41.6	38.9	39.9
261	303	474	777	970	1,169	1,315	1,426	1,416	1,426	1,413	1,436	1,331	1,335	1,308	1,378	1,315	1,304	1,393
6.4	7.4	11.4	19.1	25.0	30.6	33.9	36.7	35.9	33.6	33.3	33.8	31.4	31.7	31.1	32.7	31.0	30.5	32.4
§§	§§	§§	§§	§§	§§	§§	1,805	1,685	1,595	1,577	1,638	1,495	1,427	1,473	1,376	1,419	1,408	1,393
							24.0	22.6	19.8	19.5	20.3	18.6	17.8	18.4	17.2	17.6	17.3	17.0
1,573	1,694	1,787	1,723	1,622	1,533	1,537	1,510	1,354	1,348	1,218	1,249	1,261	1,254	1,184	1,109	1,095	1,099	1,068
38.7	41.3	42.9	42.3	41.9	40.1	39.6	38.9	34.3	31.8	28.7	29.4	29.8	29.8	28.2	26.3	25.8	25.7	24.9
1,581	1,789	1,867	2,064	1,547	1,436	1,198	1,348	1,659	1,710	1,704	1,891	1,734	1,813	1,708	1,560	1,643	1,690	1,711
20.3	22.9	23.7	27.0	21.4	20.1	16.5	17.9	22.2	21.2	21.1	23.4	21.6	22.6	21.4	19.5	20.4	20.8	20.9
38,988	39,943	41,981	40,639	37,978	37,818	33,527	32,074	29,330	27,407	27,638	26,992	25,687	25,592	24,760	24,300	24,016	22,950	21,043
499.5	510.2	532.4	531.1	524.8	529.1	461.0	426.4	393.2	340.0	342.4	334.6	319.4	319.4	309.7	303.2	297.7	282.2	257.1
6,013	6,174	6,277	5,433	4,174	3,194	2,927	2,256	2,058	1,887	1,855	1,794	1,647	1,669	1,563	1,512	1,448	1,583	
77.0	78.9	79.7	71.0	57.7	44.7	40.2	30.0	27.6	23.4	23.0	23.0	22.3	20.6	20.9	19.5	18.7	17.8	19.3
3,459	3,394	3,562	3,164	3,000	2,740	3,354	2,810	2,548	2,505	2,508	2,692	3,003	2,921	2,578	2,247	2,300	2,278	2,457
44.3	43.4	45.2	41.4	41.5	38.3	46.1	37.4	34.2	31.1	31.1	33.4	37.3	36.5	32.2	28.0	28.5	28.0	30.0
651	960	1,425	1,627	1,583	1,941	2,507	1,943	2,025	2,118	2,092	2,013	2,052	1,912	1,722	1,778	1,943	1,945	2,158
8.3	12.3	18.1	21.3	21.9	27.2	34.5	25.8	27.1	26.3	25.9	25.5	25.5	23.9	21.5	22.2	24.1	23.9	26.4
1,858	2,386	2,936	2,440	2,185	1,789	1,289	946	697	578	540	520	500	469	454	453	542	494	521
23.8	30.5	37.3	31.9	30.2	25.0	17.7	12.6	9.3	7.2	6.7	6.4	6.2	5.9	5.7	5.7	6.7	6.1	6.4
573	509	447	372	381	383	816	311	564	800	711	635	592	531	468	435	385	371	487
7.3	6.5	5.7	4.9	5.3	5.4	11.2	4.1	7.6	9.9	8.8	7.9	7.4	6.6	5.9	5.4	4.8	4.6	5.9
96	263	551	677	414	573	787	947	875	887	869	909	822	843	903	149††	129	136	144
1.2	3.4	7.0	8.8	5.7	8.0	10.8	12.6	11.7	11.0	10.8	11.3	10.2	10.5	11.3	1.8	1.6	1.7	1.8
§§	§§	§§	§§	§§	1	143	49	26	22	36	51	33	63	76	700††	607	562	521
					||	2.0	0.7	0.3	0.3	0.4	0.6	0.4	0.8	1.0	8.5	7.5	6.9	6.4
655	714	887	834	606	477	624	554	419	402	414	384	349	380	385	300	320	291	279
8.4	9.1	11.3	10.9	8.4	6.7	8.6	7.4	5.6	5.0	5.1	4.8	4.3	4.7	4.8	3.7	4.0	3.6	3.4
1,095	951	871	755	525	486	589	508	§§	§§	§§	§§	§§	§§	§§	§§	§§	§§	§§
14.0	12.1	11.1	9.9	7.3	6.8	8.1	6.8											
2,091	1,947	1,730	1,239	926	812	880	394	493	956	766	763	696	779	734	735	724	712	654
26.8	24.9	22.0	16.2	12.8	11.4	12.1	5.2	6.6	11.9	9.5	9.5	8.7	9.7	9.2	9.2	9.0	8.8	8.0
711	908	680	641	711	603	600	599	514	462	495	484	493	481	459	477	473	475	503
9.1	11.6	8.6	8.4	9.8	8.4	8.3	8.0	6.9	5.7	6.1	6.0	6.1	6.0	5.7	6.0	5.9	5.8	6.1
366	592	992	1,663	1,700	1,763	1,902	1,815	778	670	616	657	598	579	624	517	558	496	551
4.7	7.6	12.6	21.7	23.5	24.7	26.2	24.1	10.4	8.3	7.6	8.1	7.4	7.2	7.8	6.5	6.9	6.1	6.7
§§	§§	946	1,062	699	696	504	161	151	206	261	189	234	269	263	185	192	201	217
		10.9	13.9	9.7	9.7	6.9	2.0	2.0	2.6	3.2	2.3	2.9	3.4	3.3	2.3	2.4	2.5	2.7
§§	§§	§§	§§	§§	§§	§§	84	115	172	230	249	242	269	246	283	374	520	577
							1.2	1.5	2.1	2.8	3.1	3.0	3.4	3.1	3.5	4.6	6.4	7.0
§§	§§	§§	§§	§§	§§	§§	269	243	215	205	205	180	177	149	135	149	152	185
							3.7	3.3	2.7	2.5	2.5	2.2	2.2	1.9	1.7	1.8	1.9	2.3

Table M14. Alcohol-attributable Deaths, Age ≥ 20 Years, New York City, 2006-2010

	2006*†			2007*			2008			2009			2010		
	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female
Total for All Causes	1,789	1,353	437	1,681	1,267	414	1,703	1,254	449	1,675	1,220	455	1,629	1,170	459
Chronic Causes															
Acute pancreatitis	14	8	6	12	6	6	16	9	7	12	8	4	10	7	3
Alcohol abuse	73	58	15	57	44	13	72	59	13	57	46	11	58	47	11
Alcohol cardiomyopathy	8	8	0	5	5	0	5	5	0	8	8	0	9	6	3
Alcohol dependence syndrome	198	162	36	175	146	29	132	109	23	149	110	39	143	119	24
Alcohol polyneuropathy	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0
Alcohol-induced chronic pancreatitis	3	3	0	1	1	0	3	2	1	4	4	0	1	1	0
Alcoholic gastritis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Alcoholic liver disease	315	249	66	323	258	65	377	280	97	332	262	70	351	259	92
Alcoholic myopathy	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0
Alcoholic psychosis	7	7	0	4	3	1	6	6	0	10	8	2	2	2	0
Breast cancer (females only)	10	0	10	8	0	8	9	0	9	10	0	10	12	0	12
Cholelithiases	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chronic hepatitis	< 1	< 1	< 1	0	0	0	0	0	0	< 1	< 1	0	< 1	0	< 1
Chronic pancreatitis	5	3	2	6	5	1	3	3	1	5	3	2	5	3	2
Degeneration of nervous system due to alcohol	0	0	0	0	0	0	1	1	0	0	0	0	2	2	0
Epilepsy	3	2	2	4	2	2	3	2	1	5	2	3	5	3	2
Esophageal cancer	7	5	2	10	9	1	6	5	1	7	6	2	7	5	2
Esophageal varices	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fetal alcohol syndrome	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Fetus and newborn affected by maternal use of alcohol	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastroesophageal hemorrhage	1	< 1	< 1	< 1	< 1	0	1	1	0	1	< 1	1	< 1	0	< 1
Hypertension	52	27	25	60	39	21	52	24	27	64	29	35	75	32	43
Ischemic heart disease	26	14	11	30	20	10	22	11	11	23	12	12	23	11	12
Laryngeal cancer	5	5	1	7	6	1	4	4	1	5	4	1	5	4	1
Liver cancer	25	18	7	32	26	6	21	15	6	24	17	8	32	22	10
Liver cirrhosis unspecified	78	47	31	61	30	31	79	40	39	76	44	32	94	54	40
Low birthweight, prematurity, IUGR ‡	3	2	1	3	2	1	3	1	2	3	2	1	< 1	0	< 1
Oropharyngeal cancer	5	5	1	9	8	1	5	4	1	7	6	1	6	4	2
Portal hypertension	< 1	< 1	0	< 1	0	< 1	< 1	< 1	0	1	1	0	1	1	0
Prostate cancer (males only)	4	4	0	5	5	0	3	3	0	4	4	0	4	4	0
Psoriasis	< 1	0	< 1	< 1	< 1	< 1	< 1	< 1	0	< 1	< 1	0	0	0	0
Spontaneous abortion (females only)	0	0	0	0	0	0	0	0	0	0	0	0	< 1	0	< 1
Stroke, hemorrhagic	28	23	5	26	22	4	18	15	3	22	16	6	25	20	6
Stroke, ischemic	3	2	1	5	4	1	4	3	1	7	5	2	8	5	3
Superventricular cardiac dysrhythmia	2	1	1	2	1	1	2	1	1	1	< 1	1	2	1	1
Subtotal	875	653	222	846	644	202	849	602	246	841	598	243	882	611	271
Acute Causes															
Air-space transport	< 1	< 1	0	0	0	0	0	0	0	2	2	< 1	0	0	0
Alcohol poisoning	10	9	1	7	6	1	58	50	8	75	64	11	52	41	11
Aspiration	2	1	1	5	3	2	4	2	2	3	1	2	2	1	1
Child maltreatment	5	2	4	4	2	2	4	2	2	2	2	< 1	0	0	0
Drowning	5	3	2	4	2	2	2	1	1	6	5	1	5	3	2
Excessive blood alcohol level	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fall injuries	127	75	52	132	78	53	123	74	49	122	70	52	116	68	48
Fire injuries	22	11	11	29	16	14	27	16	11	23	10	13	16	8	8
Firearm injuries	1	1	0	1	1	0	0	0	0	< 1	< 1	0	0	0	0
Homicide	276	238	38	231	198	33	251	217	33	227	190	37	204	174	30
Hypothermia	3	3	1	11	8	3	5	4	1	5	3	2	4	3	< 1
Motor-vehicle non-traffic crashes	1	< 1	< 1	1	1	0	< 1	< 1	< 1	1	< 1	1	< 1	< 1	0
Motor-vehicle traffic crashes	110	90	21	90	72	17	89	69	20	89	69	19	83	69	14
Occupational and machine injuries	1	1	0	1	1	0	2	2	< 1	1	1	0	1	1	0
Other road vehicle crashes	3	3	1	5	4	1	5	4	1	5	5	< 1	3	3	< 1
Poisoning (not alcohol)	241	183	58	206	153	53	177	131	46	164	116	48	151	106	46
Suicide	104	79	26	110	79	30	108	80	28	108	82	26	109	81	28
Suicide by and exposure to alcohol	2	2	0	0	0	0	0	0	0	1	1	0	1	1	0
Water transport	1	1	0	1	1	0	0	0	0	< 1	< 1	0	0	0	0
Subtotal	915	700	215	835	623	212	854	651	202	834	622	212	747	559	188

Note: Alcohol prevalence data are provided by the Bureau of Epidemiology Services. See Technical Notes: Deaths, Smoking- and Alcohol-attributable Mortality.

* Due to an increase of attributable drug poisoning deaths caused by shifting from manual to automated coding, 2006-2007 data have been recalculated using National Center for Health Statistics (NCHS) data that used automated coding.

† 2006 alcohol consumption data were not collected in New York City Community Health Survey and therefore 2006 alcohol-attributable deaths were calculated based on 2005 alcohol prevalence data.
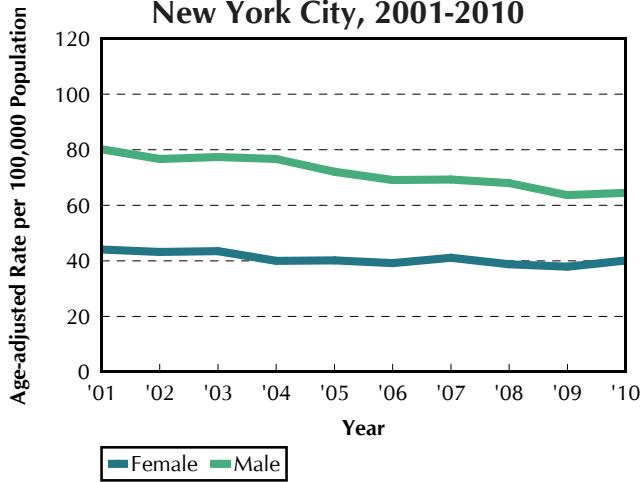
‡ IUGR = Intrauterine growth restriction.

Figure M7. Age-adjusted Death Rates for Trachea, Bronchus, and Lung Malignant Neoplasms, by Racial/Ethnic Group, Age ≥ 20 Years, New York City, 2010

- The age-adjusted death rate for trachea, bronchus, and lung cancer varies by racial/ethnic group.

- Age-adjusted trachea, bronchus, and lung cancer death rates are highest among non-Hispanic whites, at 60.4 per 100,000, followed by non-Hispanic blacks at 53.7, Asian and Pacific Islanders at 37.8, and Hispanics at 28.7 per 100,000 population.
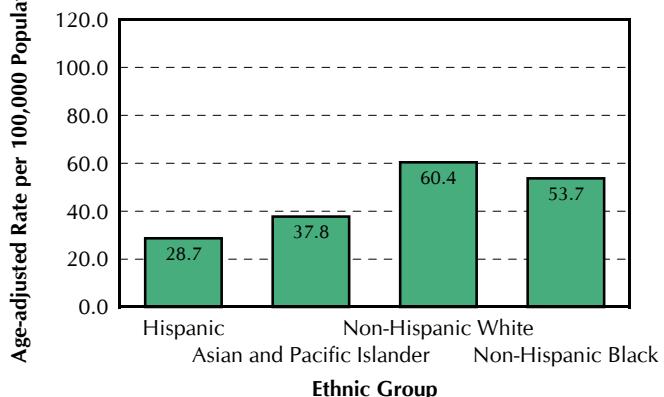
Figure M8. Age-adjusted Death Rates for Trachea, Bronchus, and Lung Malignant Neoplasms, by Sex, Age ≥ 20 Years, New York City, 2001-2010

- From 2001 to 2010, males had a substantially higher trachea, bronchus, and lung cancer age-adjusted death rate at 64.5 deaths per 100,000, compared to females at 40.1 deaths per 100,000.

- The age-adjusted rate for males decreased 19.6% from 80.2 in 2001 to 64.5 in 2010.

- The age-adjusted death rates for females declined to a lesser extent than males, from 44.1 in 2001 to 40.1 in 2010, a 9.1% decline.

- For cancer of the trachea, bronchus, and lung, a decrease in age-adjusted death rates occurred in all presented age groups from 2001 to 2010.

- Among the three age groups presented, the greatest decrease (37.3%) was seen in the 35-44 age group, while smaller decreases occurred among those 45-54 years (32.5%) followed by those 55-64 years (26.6%).

Figure M9. Age-specific Death Rates for Trachea, Bronchus, and Lung Malignant Neoplasms by Selected Age Group, New York City, 2001-2010

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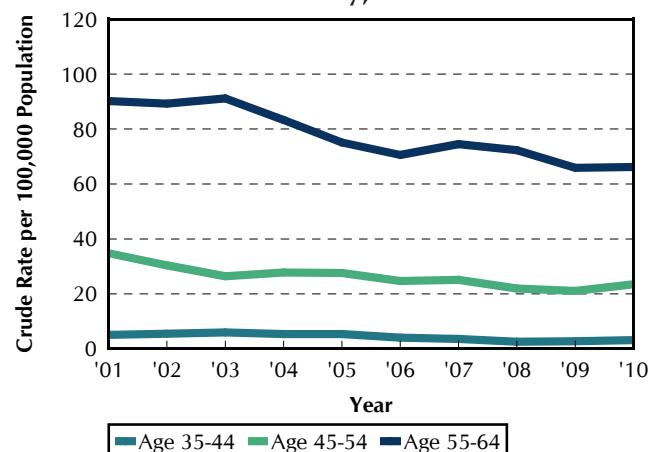
Table M15. Smoking-attributable Deaths, Age-adjusted Death Rates* and Their Changes, Age ≥ 35 Years, New York City, 2006-2010

Disease Category	2006 Deaths Male	2006 Deaths Female	2006 Deaths Total	2006 Rates Male	2006 Rates Female	2006 Rates Total	2007 Deaths Male	2007 Deaths Female	2007 Deaths Total	2007 Rates Male	2007 Rates Female	2007 Rates Total	2008 Deaths Male	2008 Deaths Female	2008 Deaths Total	2008 Rates Male	2008 Rates Female	2008 Rates Total	2009 Deaths Male	2009 Deaths Female	2009 Deaths Total	2009 Rates Male	2009 Rates Female	2009 Rates Total	2010 Deaths Male	2010 Deaths Female	2010 Deaths Total	2010 Rates Male	2010 Rates Female	2010 Rates Total	Change Death Change	Change % Change	Change Rate Change	Change % Change of Rate
Total	4,433	3,311	7,744	262.4	124.9	180.6	4,418	3,020	7,438	254.7	112.4	169.8	4,251	3,318	7,569	239.0	119.6	168.6	4,239	2,962	7,201	245.3	109.8	163.6	4,061	2,928	6,989	240.3	111.9	163.4	-755	-9.7%	-17.2	-9.5%
Malignant Neoplasms																																		
Lip, Oral Cavity, Pharynx	91	20	111	5.0	0.8	2.6	97	23	120	5.2	0.9	2.7	90	24	114	4.8	0.9	2.6	108	26	134	5.7	1.0	3.0	93	31	124	5.2	1.3	2.9	13	11.7%	0.3	11.5%
Esophagus	126	63	189	7.2	2.5	4.5	153	40	193	8.7	1.6	4.5	137	50	187	7.5	2.0	4.2	156	45	201	8.7	1.7	4.6	129	42	171	7.2	1.7	4.0	-18	-9.5%	-0.5	-11.1%
Stomach	67	24	91	4.0	1.0	2.2	58	23	81	3.3	0.9	1.9	66	22	88	3.7	0.8	2.0	66	21	87	3.8	0.8	2.0	51	24	75	3.0	0.9	1.8	-16	-17.6%	-0.4	-18.2%
Pancreas	78	105	183	4.4	4.1	4.3	78	94	172	4.3	3.6	3.9	77	117	194	4.2	4.4	4.4	87	102	189	4.8	3.9	4.3	75	104	179	4.2	4.1	4.2	-4	-2.2%	-0.1	-2.3%
Larynx	78	12	90	4.6	0.5	2.1	75	14	89	4.1	0.5	2.1	72	16	88	4.0	0.6	2.1	71	20	91	3.9	0.8	2.1	63	15	78	3.6	0.6	1.8	-12	-13.3%	-0.3	-14.3%
Trachea, Lung, Bronchus	1,359	912	2,271	80.0	36.8	54.3	1,371	912	2,283	79.5	36.2	53.6	1,353	906	2,259	76.1	35.1	51.8	1,284	875	2,159	73.5	34.2	49.9	1,310	931	2,241	76.5	37.4	53.1	-30	-1.3%	-1.2	-2.2%
Cervix Uteri	0	13	13	0.0	0.5	0.3	0	14	14	0.0	0.6	0.3	0	13	13	0.0	0.5	0.3	0	15	15	0.0	0.6	0.3	0	11	11	0.0	0.5	0.3	-2	-15.4%	0.0	0.0%
Kidney and Renal Pelvis	48	4	52	2.8	0.2	1.2	52	1	53	2.9	0.0	1.2	43	2	45	2.4	0.1	1.0	63	1	64	3.6	0.0	1.5	52	3	55	3.0	0.1	1.3	3	5.8%	0.1	8.3%
Urinary Bladder	93	29	122	5.8	1.1	2.9	93	27	120	5.6	1.0	2.8	85	29	114	5.1	1.1	2.6	85	27	112	5.3	1.0	2.6	97	31	128	6.0	1.2	3.0	6	4.9%	0.1	3.4%
Acute Myeloid Leukemia	17	12	29	1.0	0.5	0.7	25	8	33	1.4	0.3	0.7	23	10	33	1.3	0.4	0.8	24	12	36	1.4	0.5	0.8	25	11	36	1.4	0.4	0.9	7	24.1%	0.2	28.6%
Subtotal	1,957	1,194	3,151	114.8	48.0	75.1	2,002	1,156	3,158	115.0	45.6	73.8	1,946	1,189	3,135	109.1	45.9	71.7	1,944	1,144	3,088	110.7	44.5	71.1	1,895	1,203	3,098	110.1	48.2	73.3	-53	-1.7%	-1.8	-2.4%
Cardiovascular Diseases																																		
Ischemic Heart Disease	1,483	1,228	2,711	86.7	44.0	61.7	1,444	1,031	2,475	82.2	36.1	54.9	1,366	1,177	2,543	75.3	39.9	54.8	1,348	961	2,309	77.1	33.9	51.3	1,133	825	1,958	65.9	29.8	44.6	-753	-27.8%	-17.1	-27.7%
Other Heart Disease	97	64	161	5.9	2.3	3.7	95	58	153	5.5	2.1	3.4	80	58	138	4.5	2.0	3.0	90	53	143	5.3	1.9	3.2	85	57	142	5.2	2.1	3.3	-19	-11.8%	-0.4	-10.8%
Cerebrovascular Disease	114	99	213	6.1	3.9	4.8	104	85	189	5.4	3.3	4.2	90	88	178	4.6	3.3	3.9	82	88	170	4.3	3.4	3.7	91	83	174	4.9	3.3	3.9	-39	-18.3%	-0.9	-18.8%
Atherosclerosis	13	7	20	0.8	0.2	0.5	21	4	25	1.2	0.1	0.6	18	7	25	1.0	0.2	0.5	25	6	31	1.6	0.2	0.7	19	6	25	1.2	0.2	0.6	5	25.0%	0.1	20.0%
Aortic Aneurysm	78	42	120	4.5	1.6	2.8	83	41	124	4.7	1.6	2.9	51	27	78	2.9	1.0	1.8	51	29	80	3.0	1.1	1.9	60	22	82	3.6	0.8	2.0	-38	-31.7%	-0.8	-28.6%
Other Arterial Disease	9	7	16	0.5	0.3	0.4	7	7	14	0.4	0.3	0.3	6	6	12	0.3	0.2	0.3	4	6	10	0.2	0.2	0.2	4	7	11	0.3	0.3	0.3	-5	-31.3%	-0.1	-25.0%
Subtotal	1,794	1,447	3,241	104.5	52.3	73.9	1,754	1,226	2,980	99.4	43.5	66.3	1,611	1,363	2,974	88.6	46.6	64.3	1,600	1,143	2,743	91.5	40.7	61.0	1,392	1,000	2,392	81.1	36.5	54.7	-849	-26.2%	-19.2	-26.0%
Respiratory Diseases																																		
Pneumonia, Influenza	225	184	409	14.3	6.5	9.4	204	126	330	12.5	4.4	7.4	194	155	349	11.5	5.2	7.6	202	128	330	12.7	4.5	7.5	215	131	346	13.7	4.7	8.0	-63	-15.4%	-1.4	-14.9%
Bronchitis, Emphysema	55	50	105	3.3	1.9	2.5	49	68	117	2.8	2.6	2.7	67	68	135	3.9	2.6	3.1	71	59	130	4.0	2.2	3.0	64	56	120	3.9	2.2	2.8	15	14.3%	0.3	12.0%
Chronic Airway Obstruction	402	436	838	25.5	16.2	19.7	409	444	853	25.0	16.3	19.6	433	543	976	25.9	19.3	21.9	422	488	910	26.4	17.9	21.0	495	538	1,033	31.5	20.3	24.6	195	23.3%	4.9	24.9%
Subtotal	682	670	1,352	43.1	24.6	31.6	662	638	1,300	40.3	23.3	29.7	694	766	1,460	41.3	27.1	32.6	695	675	1,370	43.1	24.6	31.5	774	725	1,499	49.1	27.2	35.4	147	10.9%	3.8	12.0%

Notes:

Smoking prevalence rates are from the New York City Community Health Survey and calculated by the Bureau of Epidemiology Services, New York City Department of Health and Mental Hygiene. Number does not include deaths due to burns or secondhand smoke exposure.

See Technical Notes: Deaths, Smoking- and Alcohol-attributable Mortality for methodology.

* See Technical Notes: Population, Citywide.

Figure M10. Deaths Due to HIV Disease by Sex and Selected Racial/Ethnic Group, New York City, 2001-2010

- Although non-Hispanic black males account for more than half of all male HIV disease deaths in 2010, HIV disease deaths among this group decreased 46.2% in the last decade.

- The greatest decrease in the number of HIV disease deaths among males occurred in non-Hispanic whites (65.3%); the smallest decrease occurred in Hispanics (43.6%).

- Among females of all ethnic groups, the number of HIV disease deaths also steadily declined. The greatest decrease occurred among non-Hispanic whites (69.6%), followed by non-Hispanic blacks (57.7%), and Hispanics (49.0%).
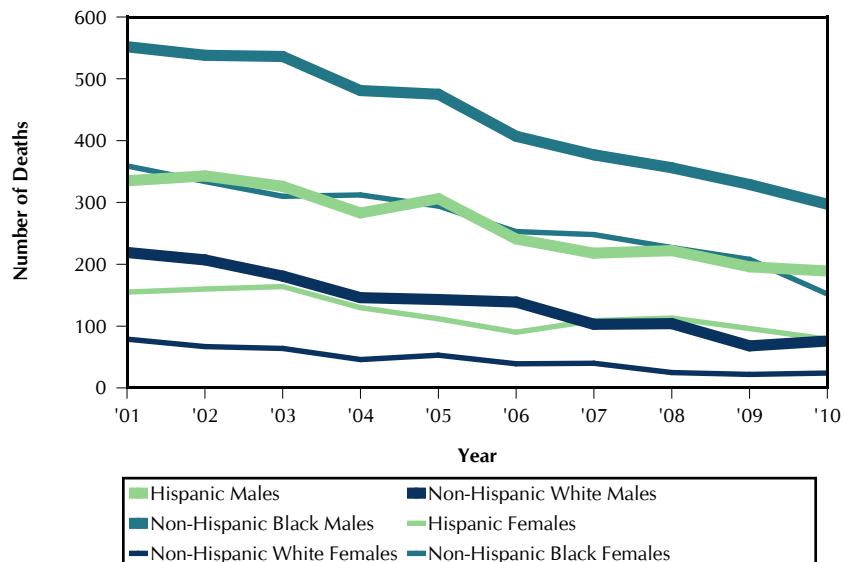
Figure M11. Mean Age at Death, All Deaths, and HIV Disease Deaths by Sex, New York City, 2001-2010
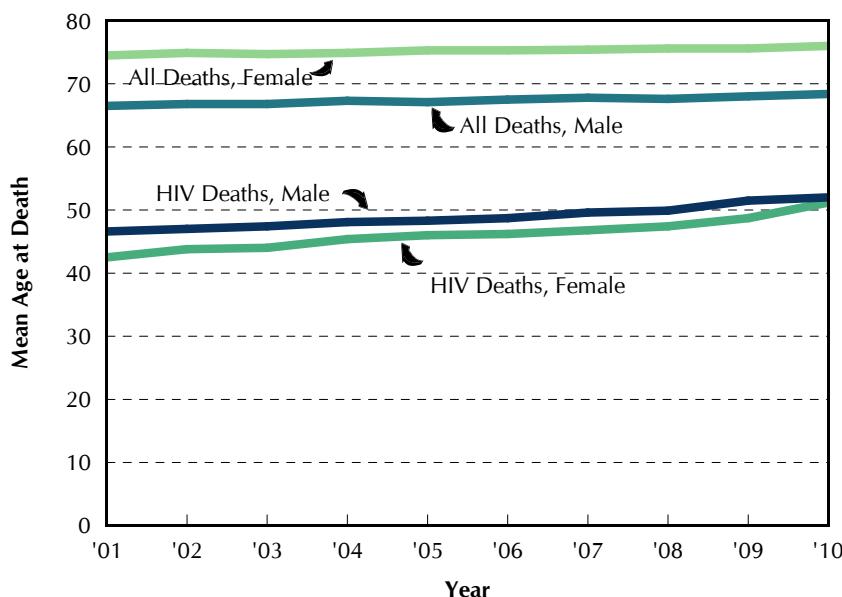
- The mean age at death for males with HIV disease in 2010 was 52 years, 16.4 years less than the mean age at death for all males.

- The mean age at death for females with HIV disease in 2010 was 51.2 years, 24.8 years less than the mean age at death for all females.

- The mean age at death for females with HIV disease increased 8.7 years from 2001 (42.5 years) to 2010 (51.2 years).

- The mean age at death for males with HIV disease increased 5.4 years from 2001 to 2010.

AGE GROUP/ETHNIC GROUP	ALL													
	1983-2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	1983-2000	2001	2002
ALL AGES Total	66,420	1,774	1,713	1,656	1,451	1,419	1,209	1,115	1,073	933	832	51,592	1,166	1,138
Puerto Rican	12,278	369	359	323	300	289	220	224	217	187	196	9,118	240	239
Other Hispanic	5,950	121	144	167	113	129	111	103	118	105	72	4,918	95	104
Asian & Pacific Islander . .	434	8	14	8	6	7	10	5	10	3	6	386	7	11
Non-Hispanic White	17,477	298	274	245	192	196	178	143	129	90	100	15,366	219	207
Non-Hispanic Black	26,742	911	872	846	793	769	660	625	583	537	449	18,951	552	538
Other or Unknown	3,539	67	50	67	47	29	30	15	16	11	9	2,853	53	39
UNDER 1 Total	311	1	1	1	–	–	–	–	–	–	–	157	1	–
Puerto Rican	42	–	–	–	–	–	–	–	–	–	–	24	–	–
Other Hispanic	28	1	1	–	–	–	–	–	–	–	–	15	1	–
Asian & Pacific Islander . .	1	–	–	–	–	–	–	–	–	–	–	1	–	–
Non-Hispanic White	48	–	–	–	–	–	–	–	–	–	–	31	–	–
` Non-Hispanic Black	173	–	–	1	–	–	–	–	–	–	–	78	–	–
Other or Unknown	19	–	–	–	–	–	–	–	–	–	–	8	–	–
1-14 Total	931	6	5	9	6	4	1	2	–	1	–	476	2	3
Puerto Rican	167	–	–	–	1	2	–	–	–	–	–	88	–	–
Other Hispanic	97	–	2	1	1	1	1	1	–	–	–	52	–	2
Asian & Pacific Islander . .	6	–	–	–	–	–	–	–	–	–	–	3	–	–
Non-Hispanic White	152	1	–	1	–	–	–	1	–	–	–	81	1	–
Non-Hispanic Black	463	5	3	7	4	1	–	–	–	1	–	233	1	1
Other or Unknown	46	0	–	–	–	–	–	–	–	–	–	19	–	–
15-24 Total	999	24	20	18	15	22	22	19	17	14	8	606	9	11
Puerto Rican	223	3	6	1	2	4	1	7	3	2	1	130	–	3
Other Hispanic	115	2	3	4	–	2	5	4	–	3	–	82	1	2
Asian & Pacific Islander . .	6	–	–	1	–	–	–	–	–	–	1	4	–	–
Non-Hispanic White	152	1	2	–	1	1	1	–	1	3	–	102	–	2
Non-Hispanic Black	439	18	9	12	11	15	13	8	13	6	6	251	8	4
Other or Unknown	64	–	–	–	1	–	2	–	–	–	–	37	–	–
25-34 Total	16,407	194	140	123	90	92	63	52	77	49	37	11,931	102	72
Puerto Rican	3,432	31	24	20	12	12	4	8	8	7	11	2,416	15	10
Other Hispanic	1,732	20	15	15	8	12	6	4	11	3	8	1,381	17	10
Asian & Pacific Islander . .	89	1	1	–	1	–	–	1	–	1	–	75	1	1
Non-Hispanic White	3,995	17	13	10	12	7	9	3	6	5	1	3,339	8	8
Non-Hispanic Black	6,281	117	83	75	56	59	44	35	52	33	17	4,055	58	41
Other or Unknown	878	8	4	3	1	2	–	1	–	–	–	665	3	2
35-44 Total	28,584	638	624	568	467	407	343	311	246	190	142	22,410	387	383
Puerto Rican	5,145	142	131	114	101	71	65	64	57	45	34	3,903	84	83
Other Hispanic	2,380	40	62	60	33	48	41	27	37	28	19	1,996	27	41
Asian & Pacific Islander . .	175	4	4	3	2	3	4	2	3	1	–	164	4	3
Non-Hispanic White	7,842	118	101	85	71	45	45	46	34	18	16	6,923	80	67
Non-Hispanic Black	11,545	309	312	281	250	224	182	168	113	98	71	8,216	171	179
Other or Unknown	1,497	25	14	25	10	16	6	4	2	–	2	1,208	21	10
45-54 Total	13,772	629	641	640	594	586	502	448	425	352	330	11,435	443	455
Puerto Rican	2,459	133	125	127	127	140	99	84	89	65	85	1,922	98	86
Other Hispanic	1,096	32	41	58	45	49	40	43	46	46	29	958	27	32
Asian & Pacific Islander . .	103	1	6	4	2	3	3	–	5	–	3	96	–	6
Non-Hispanic White	3,770	109	116	103	73	93	76	61	45	35	37	3,488	86	93
Non-Hispanic Black	5,593	329	327	322	322	294	272	256	231	200	173	4,307	211	215
Other or Unknown	751	25	26	26	25	7	12	4	9	6	3	664	21	23
≥ 55 Total	5,416	282	282	296	279	308	278	283	308	327	315	4,577	222	214
Puerto Rican	810	60	73	61	57	60	51	61	60	68	65	635	43	57
Other Hispanic	502	26	20	29	26	17	18	24	24	25	16	434	22	17
Asian & Pacific Islander . .	54	2	3	–	1	1	3	2	2	1	2	43	2	1
Non-Hispanic White	1,518	52	42	46	35	50	47	32	43	29	46	1,402	44	37
Non-Hispanic Black	2,248	133	138	148	150	176	149	158	174	199	182	1,811	103	98
Other or Unknown	284	9	6	12	10	4	10	6	5	5	4	252	8	4

Note: See Technical Notes: Deaths, HIV and AIDS Mortality.

* Beginning in 2003, multiple races are included in "Other or Unknown" category in this table. See Technical Notes: Demographic Characteristics of Vital Events: Race, Ancestry, and Ethnic Group.

New York City, 1983-2010

MALE								FEMALE										
2003	2004	2005	2006	2007	2008	2009	2010	1983-2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
1,100	943	949	818	711	702	603	574	14,828	608	575	556	508	470	391	404	371	330	258
213	204	206	163	142	138	125	135	3,160	129	120	110	96	83	57	82	79	62	61
113	79	100	78	76	84	71	54	1,032	26	40	54	34	29	33	27	34	34	18
8	5	6	8	3	7	2	3	48	1	3	–	1	1	2	2	3	1	3
181	146	143	139	103	104	68	76	2,111	79	67	64	46	53	39	40	25	22	24
536	481	475	407	377	356	329	297	7,791	359	334	310	312	294	253	248	227	208	152
49	28	19	23	10	13	8	9	686	14	11	18	19	10	7	5	3	3	–
–	–	–	–	–	–	–	–	154	–	1	1	–	–	–	–	–	–	–
–	–	–	–	–	–	–	–	18	–	–	–	–	–	–	–	–	–	–
–	–	–	–	–	–	–	–	13	–	1	–	–	–	–	–	–	–	–
–	–	–	–	–	–	–	–	0	–	–	–	–	–	–	–	–	–	–
–	–	–	–	–	–	–	–	17	–	–	–	–	–	–	–	–	–	–
–	–	–	–	–	–	–	–	95	–	–	1	–	–	–	–	–	–	–
–	–	–	–	–	–	–	–	11	–	–	–	–	–	–	–	–	–	–
3	4	2	–	1	–	1	–	455	4	2	6	2	2	1	1	–	–	–
–	–	1	–	–	–	–	–	79	–	–	–	1	1	–	–	–	–	–
–	–	–	–	–	–	–	–	45	–	–	1	1	1	1	1	–	–	–
–	–	–	–	–	–	–	–	3	–	–	–	–	–	–	–	–	–	–
1	–	–	–	1	–	–	–	71	–	–	–	–	–	–	–	–	–	–
2	4	1	–	–	–	1	–	230	4	2	5	–	–	–	–	–	–	–
–	–	–	–	–	–	–	–	27	–	–	–	–	–	–	–	–	–	–
7	8	14	12	9	7	5	4	393	15	9	11	7	8	10	10	10	9	4
1	1	4	1	3	–	–	–	93	3	3	–	1	–	–	4	3	2	1
2	–	2	3	4	–	–	–	33	1	1	2	–	–	2	–	–	3	–
1	–	–	–	–	–	–	1	2	–	–	–	–	–	–	–	–	–	–
–	1	1	–	–	1	2	–	50	1	–	–	–	–	1	–	–	1	–
3	5	7	7	2	6	3	3	188	10	5	9	6	8	6	6	7	3	3
–	1	–	1	–	–	–	–	27	–	–	–	–	–	1	–	–	–	–
76	45	59	41	32	48	32	27	4,476	92	68	47	45	33	22	20	29	17	10
12	5	6	2	3	5	6	7	1,016	16	14	8	7	6	2	5	3	1	4
12	6	9	4	4	10	2	6	351	3	5	3	2	3	2	–	1	1	2
–	1	–	–	–	–	–	–	14	–	–	–	–	–	–	1	–	1	–
8	9	5	6	2	4	5	1	656	9	5	2	3	2	3	1	2	–	–
43	23	38	29	22	29	19	13	2,226	59	42	32	33	21	15	13	23	14	4
1	1	1	–	1	–	–	–	213	5	2	2	–	1	–	–	–	–	–
330	280	241	211	177	144	111	94	6,174	251	241	238	187	166	132	134	102	79	48
65	65	46	47	41	30	26	20	1,242	58	48	49	36	25	18	23	27	19	14
32	23	32	28	17	23	16	14	384	13	21	28	10	16	13	10	14	12	5
3	1	3	3	1	3	1	–	11	–	1	–	1	–	1	1	–	–	–
55	53	31	28	32	22	12	11	919	38	34	30	18	14	17	14	12	6	5
156	134	120	100	83	65	56	47	3,329	138	133	125	116	104	82	85	48	42	24
19	4	9	5	3	1	–	2	289	4	4	6	6	7	1	1	1	–	–
451	395	400	342	289	275	225	219	2,337	186	186	189	199	186	160	159	150	127	111
91	91	101	74	58	56	51	62	537	35	39	36	36	39	25	26	33	14	23
45	31	43	29	32	33	35	20	138	5	9	13	14	6	11	11	13	11	9
4	2	2	2	–	3	–	1	7	1	–	–	–	1	1	–	2	–	2
77	53	69	65	40	37	25	28	282	23	23	26	20	24	11	21	8	10	9
216	203	180	164	156	139	111	105	1,286	118	112	106	119	114	108	100	92	89	68
18	15	5	8	3	7	3	3	87	4	3	8	10	2	4	1	2	3	–
232	211	233	212	203	228	229	230	839	60	68	64	68	75	66	80	80	98	85
44	42	48	39	37	47	42	46	175	17	16	17	15	12	12	24	13	26	19
22	19	14	14	19	18	18	14	68	4	3	7	7	3	4	5	6	7	2
–	1	1	3	2	1	1	1	11	–	2	–	–	–	–	–	1	–	1
40	30	37	40	28	40	24	36	116	8	5	6	5	13	7	4	3	5	10
116	112	129	107	114	117	139	129	437	30	40	32	38	47	42	44	57	60	53
10	7	4	9	3	5	5	4	32	1	2	2	3	–	1	3	–	–	–

Figure M12. Fatal Occupational Injuries by Sex, New York City, 2001-2010
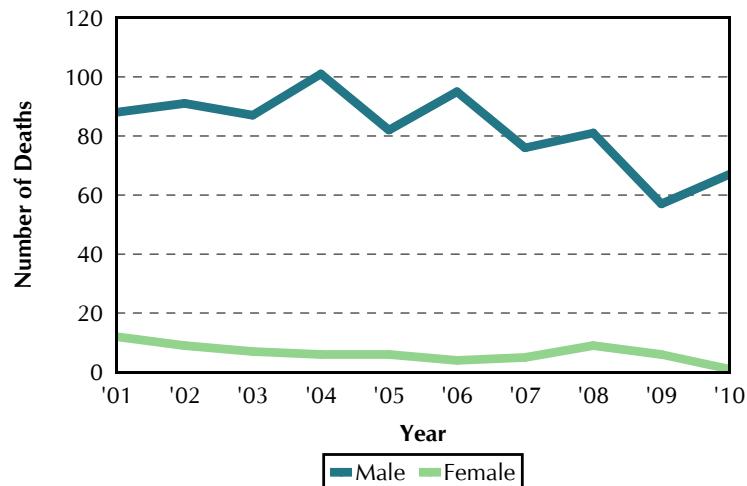
• From 2001 to 2010, fatal occupational injuries continued a general downward trend with some fluctuation. There were 68 fatal occupational injuries in 2010, a 32.0% decrease from 100 deaths in 2001.

• Males account for the vast majority of fatal occupational injuries. In 2010, 98.5% of all fatal occupational injuries occurred among males; there was one female death.

Table M17. Selected Characteristics of Deaths Due to Fatal Occupational Injuries, New York City, 2010

Characteristic	All Deaths	Sex		Age Group (Years)				
		Male	Female	< 25	25-34	35-44	45-54	≥ 55
Total	68	67	1	2	12	15	19	20
Selected Events								
Transportation incident	7	7	–	–	2	1	2	2
Contact with objects and equipment	5	5	–	1	1	1	1	1
Assaults and violent acts	29	29	–	–	5	7	11	6
Homicide	15	15	–	–	2	5	6	2
Shooting	13	13	–	–	2	4	5	2
Falls	16	16	–	1	1	3	2	9
Selected Industries*								
Construction	17	17	–	1	3	2	5	6
Transportation and warehousing	9	9	–	–	1	2	3	3
Taxicabs	5	5	–	–	1	1	2	1
Retail trade	8	8	–	–	1	3	2	2
Grocery stores	1	1	–	–	–	–	1	–
Accommodation and food services	4	4	–	–	2	–	2	–
Eating and drinking places	4	4	–	–	2	–	2	–
Public administration	2	2	–	1	–	–	1	–
Police and fire protection	1	1	–	–	–	–	1	–
Financial activities	6	6	–	–	–	2	3	1
Ethnic Group								
Non-Hispanic White	27	27	–	1	3	4	7	12
Non-Hispanic Black	14	14	–	1	5	1	5	2
Hispanic.	17	17	–	–	3	6	5	3
Asian and Pacific Islander.	10	9	1	–	1	4	2	3

* See Technical Notes: Deaths, Fatal Occupational Injuries.

- Deaths due to motor vehicle accidents steadily declined by 32.3% from 2001 to 2010.

- During the same time period, deaths due to homicide decreased 18.1%, from 670 deaths in 2001 to 551 deaths in 2010.

- Deaths due to falls decreased 12.0% from 417 deaths in 2001 to 367 deaths in 2010.

- The number of suicides showed no discernible trend from 2001 to 2010, and ranged from a low of 462 in 2001 to a high of 503 in 2010.

Figure M13. Number of Deaths From Selected External Causes, New York City, 2001-2010
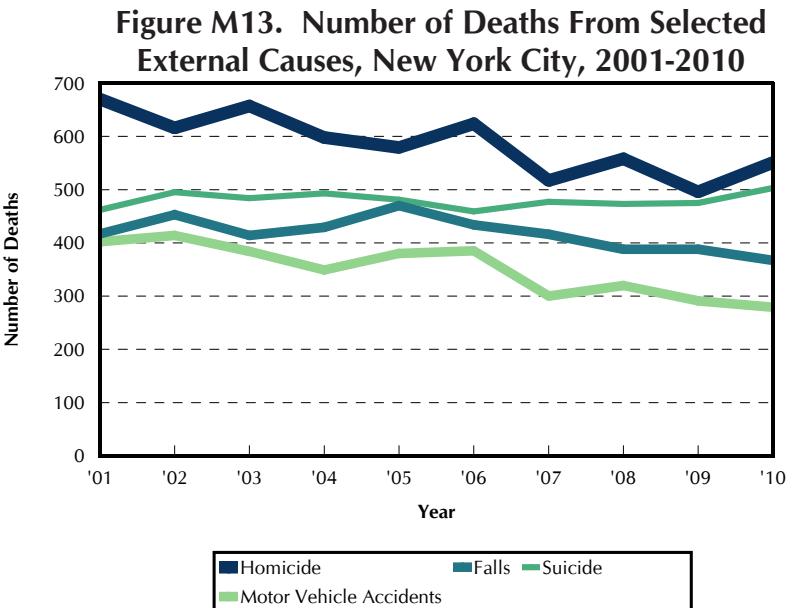
Map M4. Homicide (Assault) Crude Death Rate by Community District of Residence, New York City, 2010

Homicide (Assault) Crude Death Rate per 100,000 Population

- 10.3 - 28.9
- 7.5 - 10.2
- 3.6 - 7.4
- 1.2 - 3.5
- 0.0 - 1.1
- Parks & Airports

Citywide Rate: 6.7
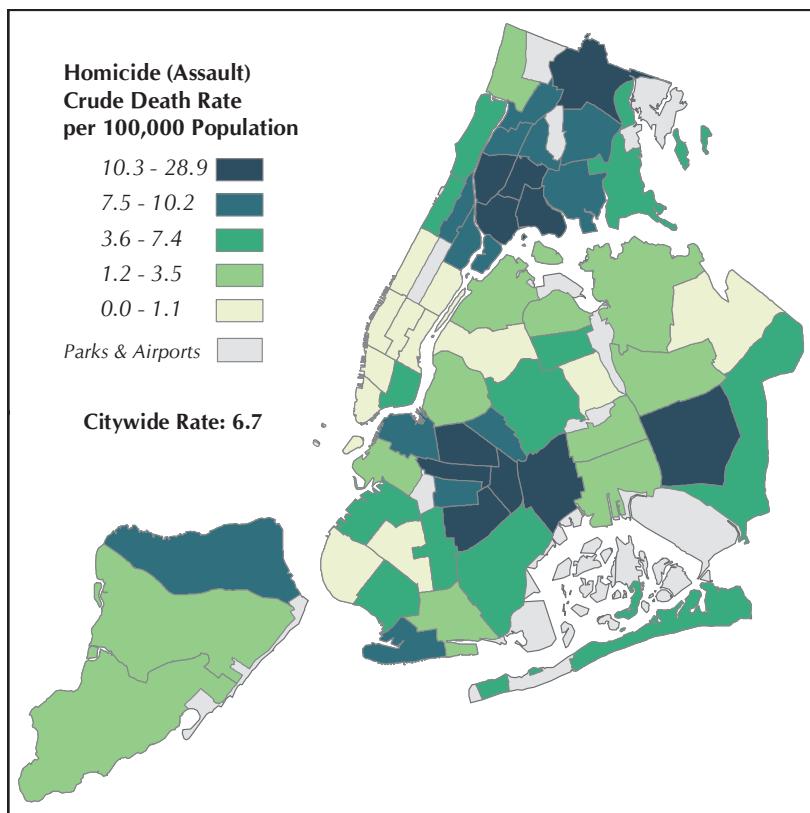
- In 2010, the homicide death rate was 28.9 per 100,000 residents in Brownsville, the highest of any community district. Other community districts with high homicide death rates included: Bedford-Stuyvesant (22.9), Mott Haven (18.4), Morrisania (17.6), and Hunts Point (15.3).

- The lowest homicide death rate was found in Murray Hill (0.7). Four other community districts had homicide death rates below 1.2: Bay Ridge (0.8), Borough Park (1.0), Midtown Business District (1.0), and Greenwich Village/SoHo (1.1).

Note: See Technical Notes: Deaths, Homicide.

Table M18. Deaths Due to Accidents, Overall and by Age and Sex, New York City, 2010

Type	All Ages	0-4 Male	0-4 Female	5-9 Male	5-9 Female	10-14 Male	10-14 Female	15-19 Male	15-19 Female	20-24 Male	20-24 Female	25-34 Male	25-34 Female	35-44 Male	35-44 Female	45-54 Male	45-54 Female	55-64 Male	55-64 Female	65-74 Male	65-74 Female	≥75 Male	≥75 Female
Total	1,454	18	11	6	0	8	5	24	5	62	16	133	39	152	48	215	82	146	67	67	41	154	155
Motor Vehicle Except Injury to Pedestrian, Pedal Cyclist, and Motorcyclist	70	-	2	-	-	-	-	5	1	14	4	10	1	4	-	5	-	9	1	3	1	4	5
Injury to Pedestrians	172	2	2	1	-	4	2	5	-	6	3	16	5	17	6	17	6	17	13	8	10	19	13
Collision with motor vehicle	158	2	2	1	-	4	2	3	-	4	2	14	5	13	6	15	6	16	13	8	10	19	13
Collision with railway transportation	14	-	-	-	-	-	-	2	-	2	1	2	-	4	-	2	-	1	-	-	-	-	-
Other collision	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Injury to Pedal Cyclist	18	-	-	-	-	-	-	2	-	2	1	3	-	-	-	2	-	3	-	2	-	1	1
Collision with motor vehicle	11	-	-	-	-	-	-	1	-	2	-	1	-	-	-	2	-	1	1	1	-	1	1
Other collision	7	-	-	-	-	-	-	1	-	-	1	2	-	-	-	-	-	2	-	1	-	-	-
Injury to Motorcyclist	37	-	-	-	-	-	-	2	-	6	1	15	-	7	2	3	-	1	-	-	-	-	-
Water Transport Accidents	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Air and Space Transport Accidents	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Transport Accidents	4	-	-	-	-	-	-	-	1	1	-	-	-	1	-	1	-	-	-	-	-	1	1
Sequelae (Late Effects) of Transport Accidents	19	1	-	-	-	1	-	2	1	5	-	3	-	4	2	3	-	1	-	-	2	1	-
Fall	367	1	-	-	-	-	-	2	1	5	1	8	2	7	1	25	5	37	12	29	15	102	114
Firearm Discharge	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Drowning and Submersion	21	2	1	-	-	1	1	1	-	2	-	4	2	1	1	1	-	-	-	-	1	-	1
Smoke, Fire, and Flames	44	1	1	3	-	-	-	-	-	-	-	1	-	2	1	2	3	5	6	2	2	7	8
Poisoning by Noxious Substances	580	1	-	1	-	3	-	5	2	21	5	67	27	99	32	138	64	56	28	13	6	8	4
Poisoning by psychoactive substances*	521	-	-	1	-	2	-	4	2	21	5	60	26	89	31	122	60	48	24	11	5	6	4
Poisoning by other noxious substances	59	1	-	-	-	1	-	1	-	-	-	7	1	10	1	16	4	8	4	2	1	2	-
Exposure to Excessive Natural Heat	9	-	-	-	-	-	-	-	-	1	-	-	-	-	-	2	-	3	-	1	1	-	-
Exposure to Excessive Natural Cold	9	-	-	-	-	-	-	-	-	-	-	-	-	1	-	2	-	3	1	1	-	1	-
Suffocation	45	11	4	1	-	-	-	-	-	1	-	3	-	3	1	4	1	2	4	2	-	5	3
Contact with Machinery	3	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1	-	1	-	-	-
Other Nontransport Accidents	43	-	-	-	-	-	-	2	-	2	-	1	2	6	1	5	1	4	1	4	3	5	5
Sequelae (Late Effects) of Nontransport Accidents	13	-	-	-	-	-	-	-	-	1	-	1	-	-	-	5	1	3	-	1	-	1	-

*See Technical Notes: Deaths, Drug-Related Deaths.

Table M19. Deaths Due to Intentional Self-harm (Suicide), Overall and by Age and Sex, New York City, 2010

Method	All Ages	0-4 Male	0-4 Female	5-9 Male	5-9 Female	10-14 Male	10-14 Female	15-19 Male	15-19 Female	20-24 Male	20-24 Female	25-34 Male	25-34 Female	35-44 Male	35-44 Female	45-54 Male	45-54 Female	55-64 Male	55-64 Female	65-74 Male	65-74 Female	≥75 Male	≥75 Female
Total	503	-	-	-	-	3	1	11	5	33	9	53	27	75	21	91	27	68	20	21	14	19	5
Poisoning by Drug and Medicinal Substances	75	-	-	-	-	-	-	1	2	1	1	7	4	11	8	12	5	6	7	3	4	1	2
Poisoning by Other Substances	16	-	-	-	-	-	-	-	-	3	-	2	1	2	-	3	1	3	-	1	-	-	-
Hanging, Strangulation, and Suffocation	178	-	-	-	-	3	-	3	2	12	4	19	11	29	8	32	9	23	3	7	6	6	-
Drowning and Submersion	24	-	-	-	-	-	-	2	1	-	1	4	1	4	1	3	2	2	2	1	-	-	-
Firearm Discharge	61	-	-	-	-	-	-	2	-	4	-	5	-	7	1	16	-	13	-	6	-	6	-
Sharp Object	18	-	-	-	-	-	-	-	-	-	-	2	-	2	-	4	1	5	-	1	-	3	-
Jumping From High Place	89	-	-	-	-	-	-	1	-	10	3	9	7	17	3	11	6	7	4	2	4	2	3
Jumping or Lying Before Moving Object	37	-	-	-	-	-	-	2	-	3	-	5	-	3	-	8	2	8	4	-	-	1	-
Other and Unspecified Means	4	-	-	-	-	-	-	-	-	-	-	-	1	-	-	2	1	-	-	-	-	-	-
Sequelae (Late Effects)	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-

Table M20. Deaths Due to Assault (Homicide) and Legal Intervention, Overall and by Age and Sex, New York City, 2010

Method	All Ages	0-4 Male	0-4 Female	5-9 Male	5-9 Female	10-14 Male	10-14 Female	15-19 Male	15-19 Female	20-24 Male	20-24 Female	25-34 Male	25-34 Female	35-44 Male	35-44 Female	45-54 Male	45-54 Female	55-64 Male	55-64 Female	65-74 Male	65-74 Female	≥75 Male	≥75 Female
Total	557	9	11	2	3	2	2	79	10	82	9	160	19	68	10	42	13	13	8	10	2	1	2
Poisoning by Noxious Substances	2	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hanging, Strangulation, and Suffocation	20	-	-	-	-	-	-	-	-	-	-	4	6	2	2	2	-	1	-	1	1	-	1
Drowning and Submersion	2	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	-	-	-	-	-	-
Firearm Discharge	324	-	-	-	-	1	-	61	7	59	4	124	4	40	2	14	1	3	1	2	1	-	-
Smoke, Fire, and Flames	8	1	-	-	-	-	-	-	-	1	-	2	-	2	-	1	-	-	-	-	-	-	-
Sharp Object	109	-	-	1	-	1	-	12	3	18	1	23	3	14	6	10	6	2	2	1	-	1	-
Blunt Object	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pushing From High Place	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bodily Force	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Neglect, Abandonment, and Other Maltreatment	10	4	5	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other and Unspecified Means	60	2	5	-	-	-	-	4	1	3	4	5	4	6	-	10	4	3	5	3	3	-	-
Sequelae (Late Effects)	14	-	-	-	-	-	-	1	-	-	-	-	-	4	-	3	1	2	-	3	3	-	-
Legal Intervention, All*	6	-	-	-	-	-	-	-	-	1	-	2	-	-	-	1	-	2	-	-	-	-	-

* All legal intervention deaths are from firearm discharge. See Technical Notes: Deaths, Homicide.

Table M21. Deaths Due to Events of Undetermined Intent, Overall and by Age and Sex, New York City, 2010

Method	All Ages	0-4 Male	0-4 Female	5-9 Male	5-9 Female	10-14 Male	10-14 Female	15-19 Male	15-19 Female	20-24 Male	20-24 Female	25-34 Male	25-34 Female	35-44 Male	35-44 Female	45-54 Male	45-54 Female	55-64 Male	55-64 Female	65-74 Male	65-74 Female	≥75 Male	≥75 Female
Total	217	26	12	-	-	-	-	2	-	11	5	11	4	17	8	35	15	27	11	8	4	8	13
Poisoning by Noxious Substances	27	-	1	-	-	-	-	-	-	-	-	2	-	3	3	5	5	4	1	-	1	1	1
Hanging, Strangulation, and Suffocation	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Drowning and Submersion	7	-	-	-	-	-	-	-	-	-	-	2	-	3	-	2	-	-	-	-	-	-	-
Firearm Discharge	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-
Smoke, Fire, and Flames	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-
Falling From High Place	4	-	-	-	-	-	-	-	-	2	-	-	-	-	-	1	-	1	-	-	-	-	-
Other and Unspecified Means	171	26	11	-	-	-	-	2	-	9	5	7	4	11	3	25	10	20	10	6	3	7	12
Sequelae (Late Effects)	6	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	2	-	2	-	-	-

Table M22. Deaths Due to Complications of Medical and Surgical Care, Overall and by Age and Sex, New York City, 2010

Method	All Ages	0-4 Male	0-4 Female	5-9 Male	5-9 Female	10-14 Male	10-14 Female	15-19 Male	15-19 Female	20-24 Male	20-24 Female	25-34 Male	25-34 Female	35-44 Male	35-44 Female	45-54 Male	45-54 Female	55-64 Male	55-64 Female	65-74 Male	65-74 Female	≥75 Male	≥75 Female
Total	33	1	-	-	-	-	-	-	-	1	-	2	2	1	1	-	2	1	1	2	7	5	7
Adverse Effects From Drugs, Medicaments, and Biological Substances for Therapeutic Use	6	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	1	1	-	-	-	1	1
Medical Misadventures to Patients During Surgical and Medical Care	19	-	-	-	-	-	-	-	-	-	-	1	-	1	1	-	1	-	1	2	5	3	4
Other and Unspecified Means	8	1	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	2	1	2

Table M23. Deaths Due to Firearms (All Causes), Overall and by Age and Sex, New York City, 2010

Method	All Ages	0-4 Male	0-4 Female	5-9 Male	5-9 Female	10-14 Male	10-14 Female	15-19 Male	15-19 Female	20-24 Male	20-24 Female	25-34 Male	25-34 Female	35-44 Male	35-44 Female	45-54 Male	45-54 Female	55-64 Male	55-64 Female	65-74 Male	65-74 Female	≥75 Male	≥75 Female
Firearms (All Causes)	391	-	-	-	-	1	-	63	7	64	4	131	5	47	3	32	1	17	1	8	1	6	-

Table M24. Life Expectancy at Specified Ages, Overall and by Sex and Racial/Ethnic Group, New York City, 1989-1991 and 1999-2001*

	All							
Exact Age	1989-1991				1999-2001†			
in Years	Total	Hispanic	Non-Hispanic White	Non-Hispanic Black	Total	Hispanic	Non-Hispanic White	Non-Hispanic Black
0	72.4	76.3	74.0	66.4	77.6	79.7	77.7	73.2
1	72.4	75.8	74.0	66.7	77.1	79.0	77.3	73.0
5	68.5	72.0	70.2	62.9	73.2	75.0	73.4	59.0
10	63.6	67.1	65.2	58.0	65.2	70.0	68.5	64.2
15	58.7	62.1	60.3	53.1	63.3	65.1	63.6	59.3
20	54.0	57.4	55.5	48.6	58.4	60.2	58.7	54.5
25	49.4	52.9	50.7	44.2	53.6	55.4	53.9	49.9
30	44.9	48.6	46.0	40.0	48.8	50.5	49.0	45.2
35	40.7	44.6	41.5	36.1	44.1	45.8	44.3	40.7
40	36.6	40.7	37.2	32.7	39.5	41.2	39.6	36.3
45	32.6	36.8	33.0	29.1	35.0	36.7	35.1	32.1
50	28.5	32.8	28.8	25.4	30.7	32.4	30.7	28.2
55	24.6	28.9	24.7	22.0	26.6	28.2	26.5	24.4
60	20.9	25.0	20.9	18.7	22.6	24.1	22.4	20.8
65	17.4	21.3	17.3	15.7	18.8	20.2	18.6	17.5
70	14.1	17.8	13.9	13.0	15.3	16.7	15.1	14.5
75	11.1	14.6	10.9	10.5	12.1	13.3	11.8	11.3
80	8.4	11.4	8.2	8.2	9.2	10.4	8.9	9.3
85	6.1	8.6	5.9	6.2	6.7	7.7	6.4	7.1

	Male							
Exact Age	1989-1991				1999-2001†			
in Years	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

	Female							
Exact Age	1989-1991				1999-2001†			
in Years	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 average death data are used to estimate above decennial life expectancy to smooth the outcome. See Technical Notes: Life Expectancy.

* US Census population data for 1990 and 2000 are used to calculate 1989-1991 and 1999-2001 life expectancy, respectively. See Technical Notes: Population.

† World Trade Center (WTC) disaster deaths are excluded. See Special Section in 2002 Summary of Vital Statistics, Table WTC10, for the impact of WTC deaths on life expectancy in New York City.

Table M25. Life Expectancy at Specified Ages, Overall and by Sex, New York City, 2000-2009*

Exact age in years	Total									
	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
0	77.7	77.9	78.2	78.5	79.0	79.2	79.7	80.1	80.2	80.6
1	77.2	77.3	77.7	77.9	78.5	78.7	79.1	79.6	79.6	80.0
5	73.2	73.4	73.7	74.0	74.5	74.7	75.2	75.6	75.7	76.1
10	68.3	68.5	68.8	69.1	69.6	69.8	70.3	70.7	70.7	71.1
15	63.3	63.5	63.8	64.1	64.7	64.8	65.3	65.7	65.8	66.2
20	58.5	58.7	59.0	59.3	59.8	60.0	60.4	60.8	60.9	61.3
25	53.7	53.9	54.1	54.4	55.0	55.2	55.6	56.0	56.1	56.4
30	48.9	49.1	49.3	49.6	50.1	50.3	50.8	51.2	51.3	51.6
35	44.2	44.4	44.6	44.9	45.3	45.5	46.0	46.3	46.5	46.8
40	39.5	39.8	40.0	40.2	40.6	40.8	41.3	41.6	41.7	42.0
45	35.1	35.3	35.5	35.7	36.1	36.3	36.7	37.0	37.1	37.4
50	30.8	31.0	31.2	31.4	31.8	31.9	32.3	32.6	32.7	33.0
55	26.6	26.9	27.0	27.2	27.6	27.7	28.1	28.4	28.4	28.7
60	22.6	22.9	23.0	23.2	23.6	23.7	24.1	24.3	24.3	24.6
65	18.8	19.1	19.2	19.3	19.6	19.8	20.1	20.4	20.4	20.6
70	15.4	15.5	15.6	15.7	16.0	16.1	16.4	16.6	16.7	16.9
75	12.1	12.2	12.3	12.4	12.5	12.6	12.9	13.1	13.2	13.4
80	9.3	9.3	9.4	9.5	9.6	9.6	9.8	10.0	10.0	10.2
85	6.8	6.8	6.9	7.0	7.1	7.1	7.2	7.4	7.3	7.5

Exact age in years	Male									
	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
0	74.5	74.9	75.2	75.5	76.3	76.4	76.8	77.3	77.5	77.8
1	74.0	74.4	74.7	75.1	75.8	75.9	76.3	76.8	76.9	77.3
5	70.1	70.5	70.8	71.1	71.8	72.0	72.4	72.9	73.0	73.3
10	65.1	65.5	65.8	66.2	66.9	67.0	67.5	67.9	68.0	68.4
15	60.2	60.6	60.9	61.2	62.0	62.1	62.5	62.9	63.1	63.4
20	55.4	55.8	56.1	56.4	57.1	57.3	57.7	58.1	58.2	58.6
25	50.7	51.1	51.3	51.7	52.4	52.6	52.9	53.4	53.5	53.8
30	46.0	46.4	46.6	47.0	47.6	47.8	48.2	48.6	48.7	49.1
35	41.3	41.7	41.9	42.3	42.9	43.0	43.4	43.8	44.0	44.3
40	36.8	37.1	37.4	37.7	38.2	38.4	38.8	39.1	39.3	39.6
45	32.4	32.8	33.0	33.3	33.8	33.9	34.3	34.7	34.8	35.0
50	28.3	28.7	28.8	29.1	29.6	29.7	30.0	30.4	30.5	30.7
55	24.4	24.7	24.8	25.1	25.6	25.7	26.0	26.3	26.4	26.6
60	20.6	21.0	21.0	21.3	21.8	21.9	22.2	22.4	22.5	22.6
65	17.0	17.3	17.4	17.7	18.0	18.1	18.4	18.7	18.7	18.9
70	13.8	14.0	14.1	14.2	14.6	14.7	14.9	15.1	15.3	15.4
75	10.8	11.0	11.1	11.2	11.3	11.5	11.6	11.8	12.1	12.2
80	8.3	8.4	8.5	8.6	8.7	8.8	8.9	9.0	9.1	9.3
85	6.1	6.2	6.3	6.5	6.6	6.5	6.5	6.7	6.7	6.8

Exact age in years	Female									
	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
0	80.4	80.5	80.8	81.0	81.3	81.6	82.1	82.5	82.6	83.0
1	79.9	79.9	80.2	80.4	80.8	81.0	81.5	81.9	82.0	82.3
5	76.0	76.0	76.3	76.5	76.8	77.1	77.6	78.0	78.0	78.4
10	71.0	71.0	71.3	71.6	71.9	72.1	72.6	73.0	73.1	73.4
15	66.0	66.1	66.4	66.6	67.0	67.2	67.7	68.1	68.1	68.5
20	61.1	61.2	61.5	61.7	62.0	62.3	62.8	63.1	63.2	63.5
25	56.2	56.3	56.6	56.8	57.1	57.4	57.8	58.2	58.3	58.6
30	51.4	51.4	51.7	51.9	52.2	52.5	52.9	53.3	53.4	53.7
35	46.6	46.6	46.8	47.0	47.4	47.6	48.1	48.4	48.5	48.8
40	41.9	41.9	42.1	42.3	42.6	42.8	43.3	43.6	43.7	44.0
45	37.3	37.3	37.6	37.7	38.0	38.2	38.7	38.9	39.0	39.3
50	32.8	32.9	33.1	33.3	33.5	33.7	34.2	34.4	34.5	34.8
55	28.4	28.5	28.7	28.9	29.1	29.3	29.7	30.0	30.0	30.4
60	24.1	24.3	24.5	24.6	24.9	25.1	25.5	25.7	25.7	26.0
65	20.1	20.3	20.4	20.6	20.8	20.9	21.3	21.6	21.6	21.9
70	16.4	16.5	16.6	16.7	16.9	17.0	17.4	17.6	17.6	17.9
75	12.9	13.0	13.0	13.2	13.3	13.3	13.7	13.9	13.9	14.2
80	9.8	9.8	9.8	10.0	10.1	10.1	10.4	10.6	10.6	10.8
85	7.1	7.1	7.1	7.3	7.4	7.4	7.6	7.7	7.6	7.8

Note: Life expectancy for year 2010 is not presented since national data are required and are not yet available. Life expectancy for year 2009 is preliminary.
* Population data are interpolated based on 2000 and 2010 Census counts, while in the previous Summary, the population was from the 2000 US Census. Life expectancy are updated for 2000-2008 and therefore different from that of previous publication. See Technical Notes: Population.

Table M26. Years of Potential Life Lost (YPLL) Before Age 75, Overall and by Sex and Selected Causes of Death, New York City, 2010

Cause of Death	All		Male		Female	
	YPLL	%	YPLL	%	YPLL	%
Total	453,988	100.0	279,289	100.0	174,699	100.0
Malignant Neoplasms	110,988	24.4	55,481	19.9	55,507	31.8
Trachea, bronchus, and lung	21,438	4.7	11,617	4.2	9,821	5.6
Colon, rectum, and anus	10,562	2.3	5,995	2.1	4,567	2.6
Breast	11,277	2.5	130	0.0	11,147	6.4
Liver and intrahepatic bile ducts	6,674	1.5	5,172	1.9	1,502	0.9
Leukemia	6,659	1.5	3,588	1.3	3,071	1.8
Diseases of Heart	74,981	16.5	51,349	18.4	23,632	13.5
Assault (Homicide)	24,682	5.4	20,758	7.4	3,924	2.2
Accidents Except Poisoning by Psychoactive Substance	19,812	4.4	15,250	5.5	4,562	2.6
Motor vehicle	8,423	1.9	6,415	2.3	2,008	1.1
Use of or Poisoning by Psychoactive Substance	19,580	4.3	14,020	5.0	5,560	3.2
HIV Disease	19,435	4.3	13,266	4.7	6,169	3.5
Intentional Self-harm (Suicide)	15,156	3.3	11,196	4.0	3,960	2.3
Diabetes Mellitus	12,114	2.7	6,854	2.5	5,260	3.0
Cerebrovascular Diseases	10,429	2.3	5,888	2.1	4,541	2.6
Chronic Lower Respiratory Diseases	9,433	2.1	5,487	2.0	3,946	2.3
Influenza and Pneumonia	9,555	2.1	5,674	2.0	3,881	2.2
Chronic Liver Disease and Cirrhosis	8,313	1.8	6,012	2.2	2,301	1.3
Viral Hepatitis.	5,249	1.2	3,795	1.4	1,454	0.8
Mental and Behavioral Disorders Due to Use of Alcohol	4,333	1.0	3,573	1.3	760	0.4
All Other Causes	109,928	24.2	60,686	21.7	49,242	28.2

See Technical Notes: Deaths, Years of Potential Life Lost for detailed calculation.

Figure M14. Years of Potential Life Lost (YPLL) Before Age 75 by Sex and Selected Causes of Death, New York City, 2010

• Years of Potential Life Lost (YPLL) estimates the numbers of years of life lost due to a person dying before their expected life expectancy (age 75), i.e., a person dying at 65 years would have lost 10 years. The estimates for each premature death are added together to get the total YPLL for the population.

• This figure features YPLL by cause of death. Malignant neoplasms (cancers) and diseases of the heart, the two leading causes of death, were responsible for more than 40.9% of YPLL in 2010.

• Cancer, the most frequent cause of premature death, results in the most years of potential life lost (110,988 years) among all causes of death.

• For many of these leading causes of death, males have twice the number of YPLL than women.

40
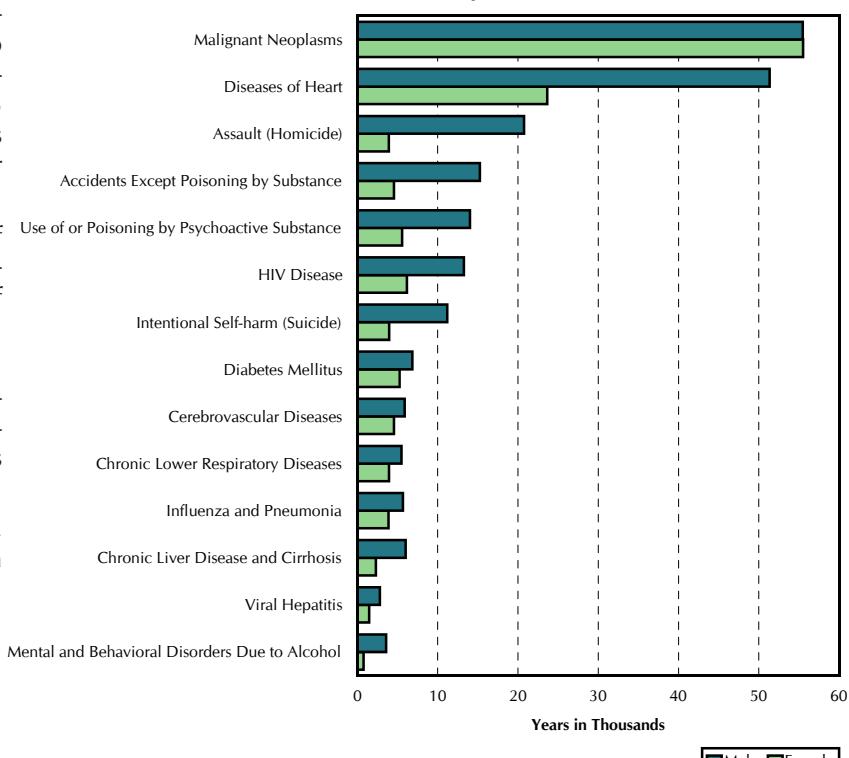
SPECIAL SECTION
CAUSE OF DEATH
QUALITY IMPROVEMENT INTERVENTION

The purpose of this special section is to highlight the effects of a recent data quality improvement initiative on the 2010 mortality data presented in this summary. Future publications will describe the impact of this initiative in more detail.

The Data Quality Issue

- A blinded review of NYC death certificates and medical records revealed overreporting of heart disease as the cause of death (Agarwal R, Norton JM, et al. Over-reporting of deaths from coronary heart disease in New York City hospitals, 2003. Prev Chronic Dis 2010; 7(3)).

    º Heart disease was overreported as a cause of death by 91% overall and increased with decedent age: 51% among those 35–74 years, 94% for 75–84 years, and 137% for ≥85 years.

- In 2008, the New York City (NYC) Bureau of Vital Statistics examined overreporting in NYC hospitals and found tremendous variability in the proportions of deaths reported from coronary heart disease (Figure SS1).

The 2009 Intervention

Figure SS1. Percent of Death Certificates Reporting Heart Disease as Cause of Death, New York City, 2008
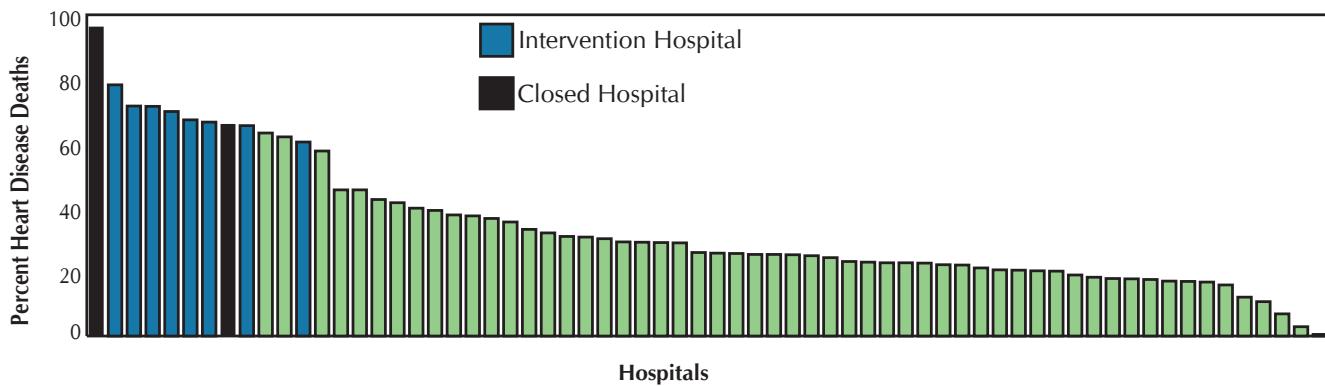
- Between June 2009 and January 2010, the Bureau of Vital Statistics initiated a hospital-level intervention to improve the accuracy of cause of death reporting on the death certificate at 8 NYC hospitals with a high percentage of deaths reported as due to heart disease. These 8 hospitals reported 13% of NYC hospital deaths, but 20% of NYC hospital deaths due to heart disease. The very high proportions of heart disease deaths in the targeted hospitals served as justification for the intervention.

- The intervention had the following components:

    º A conference call initiated the intervention with senior hospital staff including Medical Directors. Hospital-specific heart disease death data were presented in the context of NYC hospital heart disease deaths (e.g. Figure SS1) and the Agarwal et. al publication.

    º Hospitals were required to supply a death certification/registration workflow and hospital clinical staff conducted an audit of a random sample of death certificates.

    º Hospitals were asked to promote the *Improving Cause of Death Reporting* E-learning (http://www.nyc.gov/html/doh/media/video/icdr/index.html) to all staff participating in the certification/registration workflow.

    º An on-site in-service concluded the intervention. It incorporated hospital-specific death certification/registration workflow and audit results, as well as an interactive discussion on proper cause of death reporting.

Citywide Results of Intervention on Leading Causes of Death

Table SS1. Counts and Proportions of 5 Leading Causes of Death and Changes from Prior Year, New York City, 2006-2010

Cause of Death	2006	2007	2008	2009	2010
Diseases of the Heart					
Annual Death Count	21,844	21,442	21,192	20,086	17,929
Proportion of All Deaths	39.4	39.7	39.1	38.0	34.1
% Change in Proportion from Prior Year	-0.5	0.6	-1.4	-2.9	-10.2
Malignant Neoplasms					
Annual Death Count	13,116	13,251	13,047	13,180	13,333
Proportion of All Deaths	23.7	24.5	24.1	24.9	25.4
% Change in Proportion from Prior Year	1.1	3.5	-1.8	3.5	1.7
Influenza and Pneumonia					
Annual Death Count	2,578	2,247	2,300	2,278	2,457
Proportion of All Deaths	4.7	4.2	4.2	4.3	4.7
% Change in Proportion from Prior Year	-9.1	-10.7	2.1	1.5	8.5
Diabetes Mellitus					
Annual Death Count	1,708	1,560	1,643	1,690	1,711
Proportion of All Deaths	3.1	2.9	3.0	3.2	3.3
% Change in Proportion from Prior Year	-2.9	-6.4	5.1	5.4	1.8
Chronic Lower Respiratory Diseases					
Annual Death Count	1,385	1,427	1,605	1,529	1,716
Proportion of All Deaths	2.5	2.6	3.0	2.9	3.3
% Change in Proportion from Prior Year	-9.7	5.5	12.2	-2.4	12.9

- Citywide, the proportion of death certificates reporting heart disease as the cause of death decreased 12.8% after the intervention began in mid-2009, from 0.391 in 2008 to 0.341 in 2010 (Table SS1).

- This decrease in heart disease death reporting between 2008 and 2010 was accompanied by a 5.3% to 10.2% increase in the proportions of death certificates reporting other leading natural causes of death (Table SS1).

- The initiation of the intervention in 2009 coincides with changes in the proportions of deaths due to the top three leading causes of death.

- The proportions of deaths due to heart disease decreased markedly after 2008 from 0.391 to 0.341 in 2010. Between 2001 and 2008, this proportion was consistently higher, between 0.391 and 0.411.

- The proportion of deaths due to a cancer reached 0.254 in 2010, higher than any other year in the past decade. The previous high was 0.245 in 2007.

- The proportion of influenza/pneumonia deaths increased to 0.047 per 100 deaths in 2010, reaching the same proportion as 2006.

Figure SS2. Proportion of Death Certificates Reporting Diseases of Heart, Malignant Neoplasms (Cancer), and Influenza/Pneumonia as Cause of Death, New York City, 2001-2010

• The location of intervention hospitals led to geographic variation in changes in heart disease deaths over time, which may explain the differential impact by race/ethnicity and other variables that differ by neighborhood (SS4).

• Twelve Community Districts (CDs) were in the quintile with the greatest percent decrease in the proportion of heart disease deaths (18.5–39.1%); nearly all were located in Brooklyn or Queens.

• Brooklyn was home to 4 of the 8 intervention hospitals, and 8 of the 18 Brooklyn CDs were in the quintile with the greatest decrease.

• Queens was home to 2 of the 8 intervention hospitals, and 3 of the 14 Queens CDs were in the quintile with the greatest decrease.

Percent Change in Proportion of Heart Disease Deaths

- -39.1 to -18.5
- -18.4 to -10.8
- -10.7 to -5.3
- -5.2 to 0.6
- 0.7 to 12.5
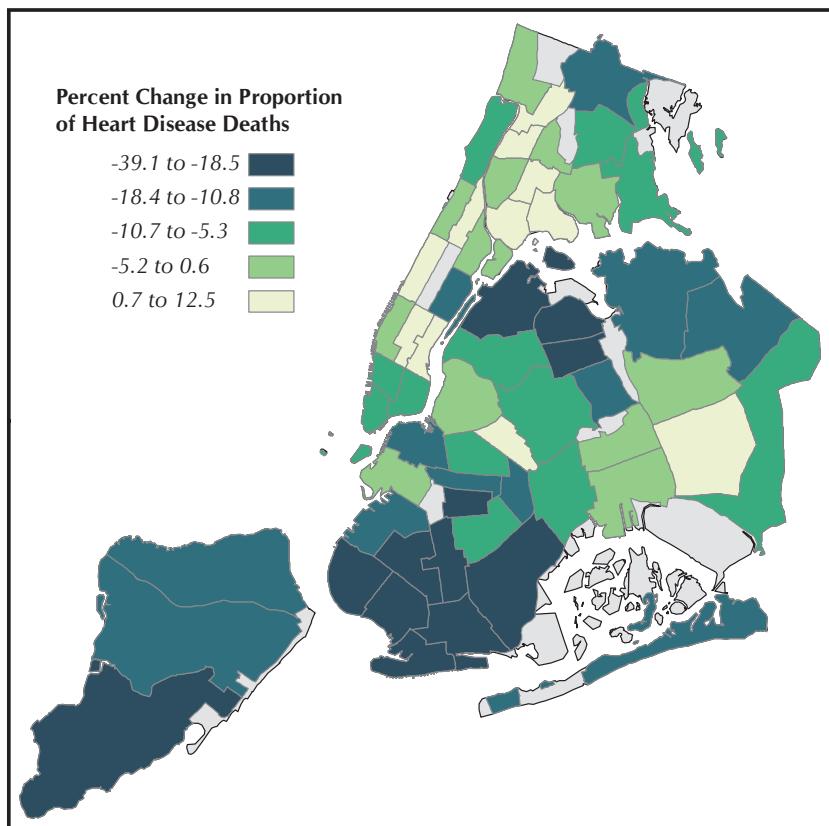
Figure SS4. Proportion of Deaths Due to Diseases of the Heart by Age and Racial/Ethnic Group, New York City, 2001-2010

≥65 Non-Hispanic White
≥65 Non-Hispanic Black
<65 Non-Hispanic White
<65 Non-Hispanic Black

Proportion of Deaths Within Subgroups
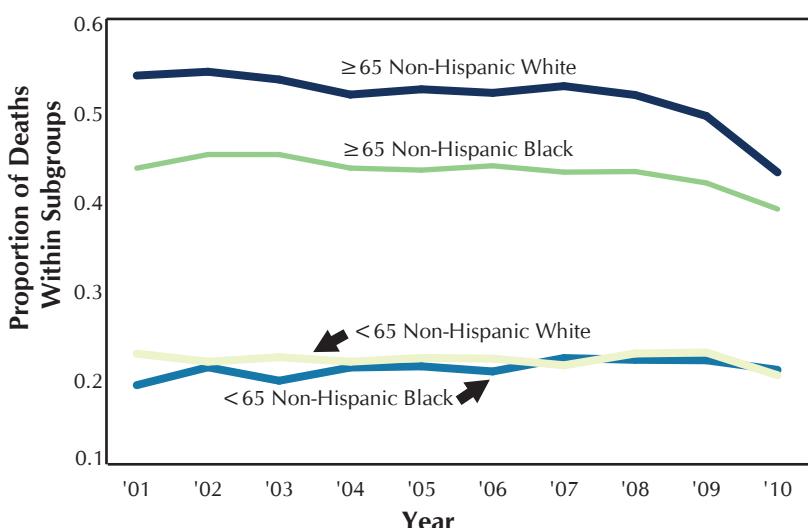
Year

• The proportion of heart disease deaths decreased more among non-Hispanic whites than non-Hispanic blacks, which may impact trends in black/white health disparities measures.

º Older (≥ 65 years) non-Hispanic white decedents demonstrated a greater decrease in the proportion of deaths attributed to heart disease between 2008 and 2010 than older non-Hispanic blacks (16.9% versus 9.8%, respectively).

º Among younger (<65 years) decedents, the 2008–2010 decrease in the proportion of deaths was also greater among non-Hispanic whites (10.9%) than non-Hispanic blacks (5.2%).

• Demographic differences among the populations served by the intervention hospitals likely explain the variable magnitude of change by ethnicity and age. We do not report changes in other population subgroups because of small counts.

Figure SS5. Proportion of Deaths Due to Malignant Neoplasms (Cancer) by Age, Sex, and Racial/Ethnic Group, New York City, 2001-2010
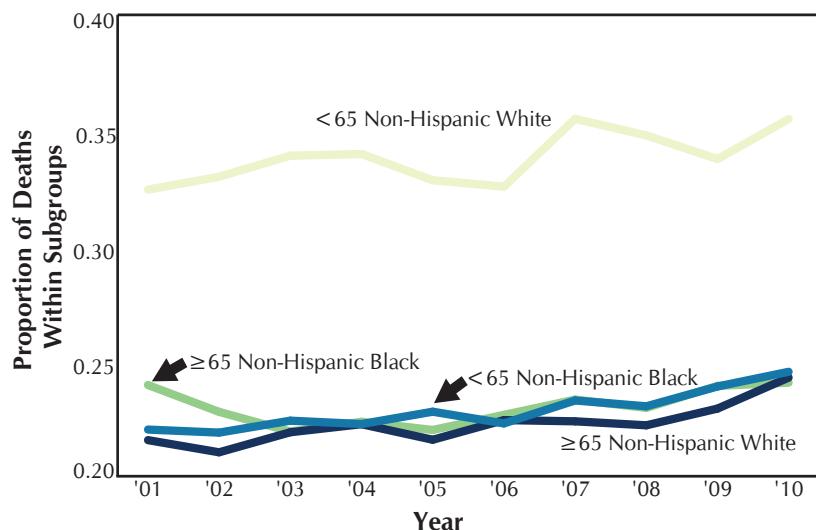
- Deaths incorrectly reported as heart disease prior to the intervention were distributed among other causes of death post-intervention potentially obscuring mortality trends. In the case of cancer, the magnitude of the resulting increase varied among subgroups.

- As the proportion of heart disease deaths decreased among all age-race subgroups between 2008 and 2010, the proportion of deaths attributed to cancer increased in all subgroups.

  º The greatest percent increase in cancer (2.1%) was among older (≥ 65 years) white non-Hispanics, the subgroup with the greatest decrease in heart disease deaths.

  º Younger (<65 years) black non-Hispanics, who demonstrated the smallest decrease in heart disease deaths, demonstrated the second greatest percent increase in cancer (1.5%).

Summary and Implications of Mortality Data Trends

- As cause of death reporting improves, long-term trends in mortality data may be obscured, particularly when comparing subgroups differentially affected by the cause of death quality interventions.

- In particular, health researchers may notice an impact on race/ethnicity, hospital-level, and neighborhood mortality rate analyses.

Ongoing Efforts to Improve the Accuracy of Cause of Death Reporting

- Beginning in January 2010, the NYC health code requires all users of the electronic death registration system (EDRS) to complete an on-line course that teaches the principles of cause of death determination.

- In 2011, the Bureau of Vital Statistics completed a second phase of its hospital-level interventions to improve the accuracy of cause of death reporting, reaching 12 additional hospitals.

- Physician pocket cards and a hospital poster were developed and disseminated as a part of the second phase of the intervention.

More information on NYC's cause of death improvement efforts are available at:
http://www.nyc.gov/html/doh/html/vs/vs-cod-quality.shtml

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, including all ages and both sexes, unless otherwise specified.

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

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

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

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

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

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

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

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

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

$$\frac{\text{Fetal Deaths 28 Weeks and Over}}{\text{Live Births}} \times 1{,}000$$

Fertility Rate - Live births per 1,000 women aged 15-44 years.

$$\frac{\text{Live Births} \times 1{,}000}{\text{Female Population Aged 15-44}}$$

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

$$\frac{\text{Deaths All Causes}}{\text{Population}} \times 1{,}000$$

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

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

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

Maternal Mortality Ratio - The number of deaths due to complications of pregnancy, childbirth and the puerperium occurring within 42 days of delivery per 100,000 live births.

Fetal-infant Mortality Rate The number of fetal deaths of 24 weeks gestation and greater plus infant deaths per 1,000 live births and fetal deaths, excluding weight at delivery less than 500 grams.

$$\frac{(\text{Fetal Deaths 24 Weeks and Over} + \text{Infant Deaths}) \times 1{,}000}{(\text{Fetal Deaths 24 Weeks and Over} + \text{Live Births})}$$

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POPULATION AND MORTALITY, TECHNICAL NOTES, 2010

VITAL EVENT REPORTING

The number of deaths is based on certificates filed with the New York City Department of Health and Mental Hygiene (DOHMH). In 2010, 83% of death certificates were filed electronically through the Electronic Vital Events Registration System (EVERS). Vital event data are based on the year they occurred in New York City to both residents and nonresidents. Any events registered after file closure are excluded from this report. Such late registrations are rare.

POPULATION

CITYWIDE

The New York City Department of City Planning (DCP) provided the Bureau of Vital Statistics with Census data based on the US Census as of April 1, 2010, and updated intercensal population estimates as of July 1 for 2001-2010. The US Census population count for New York City is 8,175,133 in 2010. Smaller geographical areas and demographic groups are derived by DCP using population data files from the 2010 Census. In the 2010 Summary of Vital Statistics, tables or figures with single year of data use 2010 Census population count; tables and figures with trend data use updated intercensal population estimates.

RACE/ETHNICITY CATEGORIES

Beginning with the 2000 Census, respondents could describe themselves and household members as being of more than one race, selecting at least one of six race categories: white, black, American Indian and Alaska Native, Asian, Native Hawaiian and Other Pacific Islander, and some other race(s). These categories yield 63 possible combinations. Respondents also were asked if they were of Hispanic origin. The resulting responses could be organized into 64 groups. DCP collapses these groups into seven categories: 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, which the DCP refers to as "mutually exclusive race and Hispanic categories. The first four of these categories are reflected in the Vital Statistics Summary variable "ethnic group" with a 5th that combines non-Hispanic American Indian and Alaska Native, non-Hispanic of some other race, non-Hispanic of two or more races and other or multiple race. For more information, see "Race, Ancestry, and Ethnic Group."

COMMUNITY DISTRICT

The 2010 community district population estimates by sex and 18 age groups were derived by DCP. In order to derive community district data by race/ethnicity and 22 age groups for the same period, as needed for reporting of the Annual Summary of Vital Statistics, the DOHMH produces its own estimates, constructed from the DCP data provided and available Census 2000 and 2010 data, ensuring consistency with marginal totals from the Census Intercensal Estimates program. Postcensal estimates as well as the official 2010 modified race summary files are used. Because the 2010 modified race summary file is not available from the Census for single-year age by modified race groups, the DOHMH uses the Census summary file 1 and adjusts the dataset to match the Census modified race summary file. To create the modified race groups, the "some other race" group is removed and race is imputed. While the modified race summary file created by the Census attempts to use information from other members of the same household, the DOHMH uses race information from the corresponding Census tract. The race distribution is then modified to match the 2010 modified race summary file.

AGE CATEGORIES

For life expectancy computations, single-year age group populations are based on decennial census counts. In 2010 Summary, life expectancies for 2001-2008 are updated by using linear interpolation of single-year age group populations based on 2000 and 2010 census counts. Life expectancies for 2009 are also calculated based on same interpolated population.

DEMOGRAPHIC CHARACTERISTICS OF VITAL EVENTS

RACE, ANCESTRY, AND ETHNIC GROUP

Race and ancestry are two separate items on the certificates. A relative of the decedent usually reports this information to the funeral director for the death certificate. As of 2003, the death certificate allows for the selection of multiples races. Responses are coded following rules from the National Center for Health Statistics (NCHS). The ordered selection rules for defining ethnic group first assign Puerto Rican or other Hispanic ethnicities based on ancestry, regardless of race. Then, those of other or unknown ancestries are classified by race as Asian, non-Hispanic white, non-Hispanic black, or other/multiple race/unknown.

NCHS defines ancestry 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. New York City receives enough certificates reporting Jewish or Hebrew ancestry to warrant inclusion in these tables, notwithstanding the religious meaning of the terms. Persons whose race is black and whose ancestry is American are classified as being of African American ancestry.

BIRTHPLACE

Decedent's birthplace is reported by country. US Virgin Islands and Guam are included in United States.

GEOGRAPHICAL UNITS

Data Presentation

Tables that stratify by location of residence (e.g., borough) separate data for nonresidents and residence-unknown categories– see Table M1 as an example. Tables that do not stratify by location of residence combine all deaths registered in New York City, regardless of residence.

Deaths that occurred to New York City residents while outside of New York City are not included in this report, with the exception of Life Expectancy (Tables M24, M25, and Figure M14). Life expectancy calculations use national data from the National Center for Health Statistics, including deaths to New York City residents that occurred outside of New York City. For more information see Life Expectancy.

Place of Death

"Hospital" includes residential units and other special facilities within the hospital. "Nursing home" includes only sites licensed as Extended Care Facilities by New York State. "Home" refers to the decedent's residence, and includes private houses and apartments, group quarters for special populations, homes for adults, and other long-term residential sites.

Borough of residence

Borough of residence and other geographic classifications are based on the usual residence reported on the certificate.

Community District (CD)

Community districts were established by City Charter in 1969 for the delivery of city services. Population figures for these districts are compiled by DCP from census tract and census block data. The sum of the community district populations in each borough may not equal the borough population or the citywide population because community districts may cross borough boundaries. Since 1985, assignments to geographic areas smaller than borough, such as community district, are made through the Geosupport Program, which is developed and maintained by the Department of City Planning. Additional information on community district geography can be found at www.nyc.gov/dcp.

DEATHS

Death Reporting

Death certificates must be filed within 72 hours of death or finding the body. Beginning January 2010, the NYC Health Code mandates the electronic filing of deaths that occur at a facility reporting 25 or more deaths. Beginning in April 2010, all medical examiner cases are filed electronically. During 2010, 83% of certificates were fully filed electronically using the Electronic Death Registrations System (EDRS). Additional information on EDRS is available at: www.nyc.gov/evers. With the revision of the death certificate, starting in June 1993, decedent race and ancestry information is reported by funeral directors.

Cause of Death Reporting

The cause of death on the death certificate is completed by a physician or medical examiner. The physician is required to provide the complete sequence of events and/or medical conditions leading to the death. These include the following:

- *immediate cause* – the specific condition that directly preceded the death
- *intermediate cause(s)* – the significant condition(s) that preceded and gave rise to the immediate cause of death
- *underlying cause* – the disease or condition that set off the chain of events leading to death.

For further information on how cause of death should be documented, visit www.nyc.gov/evers.

The Office of Vital Statistics initiated a program to improve quality of cause of death data in 2009, affecting mortality statistics. See the NYC Summary of Vital Statistics 2010, Special Section, for more information.

Cause of Death Coding

Since 2008, the reported causes of death are coded using the NCHS automated coding software package SuperMICAR, which classifies conditions according to the International Classification of Diseases (ICD) published by the World Health Organization. A single underlying cause is assigned based on the reported chain of events leading to death. Standardized codes allow for national and international comparisons.

Table M1 is based on the NCHS List of 113 Selected Causes of Death. Some causes have been added to or dropped from these tables based on their number and importance in New York City.

Death trends across ICD code revision years may display changes in trends that are artifacts of the change in ICD codes and coding rules. These should be interpreted with caution.

Comparability Ratio

National comparability ratios, last updated in 2003, reflect discontinuities in trend data for the cause of death when a new version of the ICD is implemented. They are presented in this Summary in Table M1 to explain changes in following the implementation of the ICD-10 coding system in January 1999.

Comparability ratios measure the net effect of ICD-10 on each cause of death. NCHS determined the causes of death under ICD-10 and ICD-9 for more than 2.3 million 1996 US mortality records and calculated the ratio:

Deaths from cause "i" under ICD-10

Deaths from cause "i" under ICD-9

More information on the ICD-10/ICD-9 comparability ratio can be found at http://www.cdc.gov/nchs/data/nvsr/ nvsr49/ nvsr49_02.pdf.

HIV AND AIDS MORTALITY

Beginning 1999, with the 10th revision of the ICD code, deaths due to HIV disease (ICD-10 codes B20-B24) are characterized by the resulting disease or condition.

MATERNAL DEATH AND MATERNAL MORTALITY

Deaths due to "Maternal Causes" use the World Health Organization's definition of maternal mortality, "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 ...." With the 10th revision of the ICD coding system, this category includes codes O00-O95, O98-O99 and A34 (obstetrical tetanus). "Pregnancy, childbirth and the puerperium" (O00-O99) includes deaths to women that occur outside of the time limitation defined by the World Health Organization (WHO).

EXTERNAL CAUSES OF DEATH

External causes of death include accidents, suicide, assault, legal intervention, events of undetermined intent, operations of war and their sequelae, and complications of medical and surgical care. The Office of the Chief Medical Examiner determines the cause and manner of death in such cases. For the purpose of statistical analysis, whether a cause is defined as external depends on the ICD code assigned as the underlying cause of death and may not agree with the manner of death reported.

Sometimes a cause of death has not been established when the statistical file is closed. Such deaths are classified as "pending final determination" and may later be classified.

Deaths classified as "events of undetermined intent" are considered due to external causes for the purpose of statistical analysis.

DRUG-RELATED DEATHS

"Two definitions of drug-related...are presented in this report. The first, "Mental and behavioral disorders due to the use of or accidental poisoning by psychoactive substance excluding alcohol and tobacco" is based on NCHS standard cause of death definitions using underlying causes as a basis for categorizing deaths. The second definition, Accidental/unintentional Drug-related Overdose Deaths is presented in the 2012 TCNY, Priority Area 7 Risky Alcohol Use and Drug Dependence and in the Executive Summaries of Summary of Vital Statistics, starting in 2009.

"Mental and behavioral disorders due to use of or accidental poisoning by psychoactive substance excluding alcohol and tobacco" also called "Use of or poisoning by psychoactive substance" combines underlying chronic drug-use ICD codes (F11-F16, F18-F19) and accidental (unintentional) drug-poisoning ICD-10 codes (X40-X42, X44) to estimate overall drug-related deaths. This definition is found in Tables M1, M7, M8, M9, M10, M11, M12, and M26. "Accidental poisoning by psychoactive substances, excluding alcohol and tobacco," the "accidental" subset of underlying codes (X40-X42, X44) are reported in Tables M1 and M18. "Mental and behavioral disorders due to the use of psychoactive substance excluding alcohol and tobacco", the "chronic" subset of underlying codes (F11-F16, F18-F19) is found in Table M1. However, please use "accidental" (unintentional) and "chronic" subset trend data with caution as changes from manual to automated ICD coding resulted in a redistribution of chronic causes to acute in 2007 and going forward.

A slight different definition of drug-related deaths that was used in the Take Care New York (TCNY) 2012 indicator in Priority Area 7, Reduce Risky Alcohol Use and Drug Dependence.

Deaths due to alcohol and tobacco are reported separately. See Smoking and Alcohol-attributable Mortality below.

HOMICIDE

A homicide is defined as the action of one person causing the death of another regardless of intent (e.g., whether self-defense or justifiable legal intervention). Annual counts of homicides reported by the New York City Police Department (NYPD) differ from those of the Bureau of Vital Statistics (BVS) counts for a number of reasons outlined below. Nonetheless, reported trends are similar.

NYPD reports homicides as counts of Murder and Non-Negligent Manslaughter using rules and procedures from the Federal Bureau of Investigation's Uniform Crime Reporting System (UCR). The count includes deaths determined to be both criminal and satisfying the UCR guidelines. NYPD judges some homicides as justifiable and reports these separately to the FBI. BVS reports a death as a homicide based on the ICD-10 system. All homicides are medical examiner (ME) cases. ICD-10 defines legal intervention as "including injuries inflicted by police or other law-enforcing agents ... in the course of arresting or attempting to arrest ... and other legal action." Since 2003, deaths from legal intervention have been reported separately in Tables M1 and M20 and are excluded from the homicide counts in Tables M11 and M12.

NYPD Murder and Non-Negligent Manslaughter statistics count all murders known to have been committed in New York City regardless of where the death occurred. BVS reports all homicide deaths known to have occurred in New York City regardless of where the crime was committed.

In its annual count, the NYPD includes homicides known to have occurred within that calendar year by the second week of January of the following year. Any death determined to be a criminal murder outside of that period will be counted in the year that the determination is made. BVS reports homicide by the date of the death and the Annual count includes any cases reported until the file closes for the year

(approximately 10 months after the end of the year).

Sometimes death results from a crime many years after the crime was committed. Other times, a death may be determined a crime years after the death. In either situation, the ME may determine the death a homicide. If classified as a criminal homicide, NYPD will count the death in the year that the determination is made. However BVS will report the homicide by the date of death. In cases where a death is reclassified a homicide after the file closes, the death will be recorded as a homicide on the death certificate, but this change will not be reflected in any counts of homicides for the year of death or any other years.

COMPLICATIONS OF MEDICAL AND SURGICAL CARE

With the 10th revision of the ICD coding system, complications of medical and surgical care are no longer classified as accidents and are now shown separately from accidents (Table M22).

MOTOR VEHICLE DEATHS

The Bureau of Vital Statistics (BVS) methodology for counting Motor Vehicle Deaths differs from that of the Department of Transportation (DOT) and NYPD in two ways. First, DOT and NYPD do not include deaths resulting from illness while operating a motor vehicle in their traffic fatality count, while BVS does, as this is the standardized NCHS approach. Second, in cases where serious injury suffered during a motor vehicle accident results in subsequent death (e.g., one month later) the fatality will be counted by DOT and NYPD for the month in which the accident occurred. However, BVS reports deaths by date of death.

WORLD TRADE CENTER (WTC) DEATHS

Since 2008, any deaths during the reporting year identified as late-effect WTC deaths are counted in the year of the confirmed death report and in Table M1 under Assault (homicide): ICD-10 Code U02. The current total, based on death certificates filed through December 24, 2010, is 2,752, of which 2,749 occurred within city limits. Unless otherwise specified, WTC deaths occurring in 2001 are generally not included in Summary tables and figures due to the effect this large number would have on year-to-year trends.

FATAL OCCUPATIONAL INJURIES

Table M17 and Figure M12 are based on US. Department of Labor's Bureau of Labor Statistics. These deaths, unlike NYC Vital Statistics data, include all fatal injuries occurring in New York City regardless of the residence of decedents or location of the deaths. The industry in which the decedent worked and was injured is coded based on the North American Industry Classification System (NAICS). Comparisons by industry before and after 2003 are discouraged because of the substantial coding differences.

For all NYC occurring deaths due to external causes, BVS reviews autopsy and other reports to determine if the injury occurred at work. Definitions and terminology are based on US Department of Labor's Bureau of Labor Statistics, which may differ from other definitions used in vital statistics.

SMOKING- AND ALCOHOL-ATTRIBUTABLE MORTALITY

Smoking- and alcohol-attributable deaths represent the number of New York City deaths attributed to exposure to smoking and alcohol, respectively. These statistics were computed using similar methodologies.

SMOKING-ATTRIBUTABLE MORTALITY (SAM)

SAM was calculated using CDC's Adult SAMMEC (Smoking-Attributable Mortality, Morbidity, and Economic Costs) program using an attributable fraction formula. New York City sex-specific smoking prevalence was estimated from the New York City DOHMH Community Health Survey (CHS) and computed by the Bureau of Epidemiology. The relative risks (RR) of death for current and former smokers ≥ 35 years of age for 19 smoking-related diseases were estimated from the American Cancer Society's Cancer Prevention Study. The smoking-attributable fraction (SAF) for each smoking-related disease and sex is calculated using the following formula:

$$SAF = [(p_0 + p_1(RR_1) + p_2(RR_2)) - 1] / [p_0 + p_1(RR_1) + p_2(RR_2)],$$

where p_0 is the percentage of adult never-smokers in New York City; p_1 is the percentage of adult current smokers in New York City; p_2 is the percentage of adult former-smokers in New York City; RR_1 is the relative risk of death for adult current smokers relative to adult never-smokers; and RR_2 is the relative risk of death for adult former-smokers relative to adult never-smokers.

To estimate the SAM, the age- and sex-specific SAFs are multiplied by the number of deaths for each smoking-related disease. Specifically, the number of deaths for each sex and 5-year age category was multiplied by the SAF:

$$SAM = Number\ of\ deaths\ x\ SAF$$

Summing across age categories provides the sex-specific estimate of SAM for each disease. Total SAM is the sum of the sex-specific SAM estimates. A detailed description of the methodology is available at http://apps .nccd.cdc.gov/sammec.

ALCOHOL-ATTRIBUTABLE MORTALITY (AAM)

AAM was calculated using the Alcohol-Related Disease Impact (ARDI) program using an alcohol-attributable fraction (AAF). For conditions that, by definition, are caused by alcohol use, the AAF was set equal to 1.0. For other conditions, especially injuries, ARDI directly estimated the AAF based on direct observations about the relationship between alcohol and a given health outcome. For most chronic conditions, the AAF was indirectly estimated using New York City alcohol prevalence data from the CHS combined with pooled risk estimates from large meta-analyses using the following formula:

$$AAF = [p(RR - 1)] / [1 + (p(RR - 1)],$$

where p is the percentage of New York City men and women age 20 years and older who consume alcohol at a specified level of

average daily alcohol consumption within a given year, and RR is the likelihood of death from a particular condition at a specified level of average daily alcohol consumption. To estimate AAM, AAFs were multiplied by the number of New York City deaths for specific causes defined by CDC's National Center for Chronic Disease Prevention and Health Promotion. Detailed description of the methodology is available at http://apps.nccd.cdc.gov/ardi/HomePage.aspx.

AGE AT DEATH

For ages greater than one year, decedent's age is based on age at last birthday. Unknown ages are not recoded.

LIFE EXPECTANCY

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, females, and race groups. The calculation requires counts and mortality figures for the desired subgroups. Life expectancy is estimated by ethnic group instead of race to ascertain differences among Hispanics, non-Hispanic whites and non-Hispanic blacks. Life expectancy tables by race/ethnicity for New York City are generally presented for census years when accurate population data are available (Table M24). The mortality experience for the census year, the year before, and the year after is used to smooth statistical variation. To enable comparison, life expectancy for 1990 was recalculated by ethnic group.

The World Trade Center disaster deaths are not included in calculation of life expectancy in Table M24.

Table M25 presents annual life expectancy by age and sex providing trend information. Annual life expectancy is estimated using single-year death data. Table M25 does not include life expectancy for 2010 because national data on deaths to New York City residents occuring outside of New York City are required and not yet available.

Historical Hispanic ancestry data and life expectancy estimates should be interpreted with caution. In addition to changes in collection of Hispanic ancestry information, Hispanic immigration patterns may result in overestimated life expectancy if Hispanics move out of the US before death at a greater rate than other ethnic groups. The Hispanic population tends to be younger than other ethnic groups, which may lead to underestimates of Hispanic death rates and overestimates of Hispanic life expectancy.

YEARS OF POTENTIAL LIFE LOST

Years of potential life lost (YPLL) measures years lost due to premature death. In contrast to mortality measures, YPLL emphasizes the effect of premature mortality on a population. YPLL is often calculated using a cutoff age, 65 or 75, as follows:

$$YPLL = \sum [(\text{cutoff age} - i)] \times d_i$$

where i is the midpoint of the grouped year of age at death and d_i is the number of deaths at grouped year of age i. YPLL can be calculated for specified causes of death. In Table M26, age 75 is used as the cut off age and single year of age is used in calculation. Therefore i is single year of age younger than 75.

Glossary of Terms

External Causes: Deaths resulting from accident, suicide, assault, legal intervention, events of undetermined intent, operations of war and their sequelae, and complications of medical and surgical care.

Natural Causes: Deaths resulting from diseases rather than external causes, such as violence or drug use.

Leading Causes: The most frequent causes of death ranked in descending order. Heart disease and cancer are usually the leading causes of death in New York City.

Life Expectancy: The expected number of years of life remaining for people of a certain age at a certain point in time.

Occupational Deaths: Fatal work-related injuries that occurred in New York City, regardless of the residence of the decedent or location of the deaths.

Premature Deaths: Any deaths that occur before the age of 65 years.

Selected Causes: The Selected Causes are based on the National Center for Health Statistics (NCHS) list of 113 Selected Causes of Death.

Years of Potential Life Lost (YPLL): Years of life lost due to premature deaths before a defined cutoff age. New York City Vital Statistics tables use a cutoff age of 75 years.

New York City Certificates of Death

New York City data on births, deaths, and spontaneous and induced terminations of pregnancy are derived from vital event certificates filed with the New York City Department of Health and Mental Hygiene. Samples are displayed on the pages that follow. For all pregnancies, a birth or termination of pregnancy certificate must be filed, regardless of gestational age.

Death Certificate

Death certificates must be filed within 72 hours of death or finding the body. There are two forms, one for natural causes and one for medical examiner cases.

•   Natural cause practitioner certificates - Most deaths (85%) are due to natural causes.

•   Medical examiner certificate of death - When the cause of death is an accident, homicide, suicide, or is unattended or due to certain other circumstances (approximately 15% of deaths), the New York City Office of Chief Medical Examiner (OCME) completes the medical examiner certificate of death and supplementary report.

For natural cause certificates, the Electronic Vital Events Registration System's (EVERS) Electronic Death Registration System (EDRS) became available for voluntary use by hospitals in 2005. In January 2010, EDRS reporting became mandatory for medical examiner certificates. In April 2010, EDRS reporting became mandatory for hospitals reporting > 25 deaths per year.

The two forms are similar. Both collect important information pertaining to the fact of death (person, place, and time of death). Both collect "personal particulars" which include items such as decedent's Social Security number, address, birth place, education, marital status, informant's information, and place of disposition. The personal particulars are typically provided by the family of the decedent through the funeral home. Both collect cause of death, which is completed by the physician or a medical examiner. On the natural cause certificate, the cause of death is entered on the confidential medical report, the OCME certificate, and on the death certificate itself. In addition to cause of death, the OCME certificate collects information on the circumstances of external causes of death. The OCME certificate indicates manner of death: natural, accident, homicide, suicide, or undetermined. The confidential medical report information is for the compilation of public health statistics and scientific purposes only.

CERTIFICATE OF DEATH   Certificate No.

THIS CERTIFICATE NOT VALID UNLESS FILED IN THE DEPARTMENT OF HEALTH AND MENTAL HYGIENE

DOHMH USE ONLY

| BOR |
| INST |
| MANNER |
| RESIDENCE |
| CODE |
| BP |
| LDIS |
| H |
| ANC |
| NH |
| ANC |
| ICD |
| AUT |

1. DECEDENT'S LEGAL NAME
(First, Middle, Last)

MEDICAL CERTIFICATE OF DEATH (To be filled in by the Physician)

Place Of Death	2a. New York City	2c. Type of Place	4 ❑ Nursing Home/Long Term Care Facility	2d. Any Hospice care in last 30 days	2e. Name of hospital or other facility (if not facility, street address)
	2b. Borough	1 ❑ Hospital Inpatient 5 ❑ Hospice Facility		1 ❑ Yes	
		2 ❑ Emergency Dept./Outpatient 6 ❑ Decedent's Residence		2 ❑ No	
		3 ❑ Dead on Arrival 7 ❑ Other Specify _____		3 ❑ Unknown	

| Date and Time of Death | 3a.   (Month)   (Day)   (Year-yyyy) | 3b. Time   ❑ AM   ❑ PM | 4. Sex | 5. Date last attended by a Physician |
| | | | | mm   dd   yyyy |

6. Certifier: I certify that death occurred at the time, date and place indicated and that to the best of my knowledge traumatic injury or poisoning DID NOT play any part in causing death, and that death did not occur in any unusual manner and was due entirely to NATURAL CAUSES. **See instructions on reverse of certificate.**

Name of Physician _____   Signature _____   D.O. M.D.

(Type or Print)

Address _____   License No. _____   Date _____

PERSONAL PARTICULARS (To be filled in by Funeral Director or, in case of City Burial, by Physician)

| 7a. Usual Residence State | 7b. County | 7c. City or Town | 7d. Street and Number | Apt. No. | ZIP Code | 7e. Inside City Limits? 1 ❑ Yes 2 ❑ No |

8. Date of Birth (Month) (Day) (Year-yyyy)	9. Age at last birthday (years)	Under 1 Year		Under 1 Day		10. Social Security No.
		Months	Days	Hours	Minutes	
	1	2	3	4	5	

| 11a. Usual Occupation (Type of work done during most of working life. Do not use "retired") | 11b. Kind of business or industry | 12. Aliases or AKAs |

13. Birthplace (City & State or Foreign Country)	14. Education (Check the box that best describes the highest degree or level of school completed at the time of death)
	1 ❑ 8th grade or less; none 4 ❑ Some college credit, but no degree 7 ❑ Master's degree (e.g., MA, MS, MEng, MEd, MSW, MBA)
	2 ❑ 9th – 12th grade; no diploma 5 ❑ Associate degree (e.g., AA, AS) 8 ❑ Doctorate (e.g., PhD, EdD) or
	3 ❑ High school graduate or GED 6 ❑ Bachelor's degree (e.g., BA, AB, BS) Professional degree (e.g., MD, DDS, DVM, LLB, JD)

| 15. Ever in U.S. Armed Forces? 1 ❑ Yes 2 ❑ No | 16. Marital/Partnership Status at time of death 1 ❑ Married 2 ❑ Domestic Partnership 3 ❑ Divorced 4 ❑ Married, but separated 5 ❑ Never Married 6 ❑ Widowed 7 ❑ Other, Specify____ 8 ❑ Unknown | 17. Surviving Spouse's/Partner's Name (If wife, name prior to first marriage)(First, Middle, Last) |

| 18. Father's Name (First, Middle, Last) | 19. Mother's Maiden Name (Prior to first marriage) (First, Middle, Last) |

| 20a. Informant's Name | 20b. Relationship to Decedent | 20c. Address (Street and Number   Apt. No.   City & State   ZIP Code) |

| 21a. Method of Disposition 1 ❑ Burial 2 ❑ Cremation 3 ❑ Entombment 4 ❑ City Cemetery 5 ❑ Other Specify ____ | 21b. Place of Disposition (Name of cemetery, crematory, other place) |

| 21c. Location of Disposition (City & State or Foreign Country) | 21d. Date of Disposition   mm   dd   yyyy |

| 22a. Funeral Establishment | 22b. Address (Street and Number   City & State   ZIP Code) |

VOID

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CONFIDENTIAL MEDICAL REPORT

VR 15 (Rev. 12/09)

To be filled in by FUNERAL DIRECTOR or, in case of City Burial, by Physician

Certificate No.

23. Ancestry (Check one box and specify)
  ❏ Hispanic (Mexican, Puerto Rican, Cuban, Dominican, etc.)

Specify _____

  ❏ NOT Hispanic (Italian, African American, Haitian, Pakistani, Ukrainian, Nigerian, Taiwanese, etc.)

Specify _____

24. Race as defined by the U.S. Census (Check one or more to indicate what the decedent considered himself or herself to be)
01 ❏ White   02 ❏ Black or African American
03 ❏ American Indian or Alaska Native
    (Name of enrolled or principal tribe)_____
04 ❏ Asian Indian   05 ❏ Chinese
06 ❏ Filipino   07 ❏ Japanese
08 ❏ Korean   09 ❏ Vietnamese
10 ❏ Other Asian–Specify_____
11 ❏ Native Hawaiian   12 ❏ Guamanian or Chamorro
13 ❏ Samoan
14 ❏ Other Pacific Islander–Specify_____
15 ❏ Other–Specify_____

DECEDENT'S LEGAL NAME (Type or Print)

CAUSE OF DEATH–Enter the chain of events— diseases, complications or abnormalities–that directly caused the death. DO NOT enter terminal events such as cardiac arrest, respiratory arrest, or ventricular fibrillation without showing the etiology.

IMMEDIATE CAUSE — FINAL disease or condition resulting in death.

Sequentially list conditions, if any, leading to the cause listed on line a. Enter the UNDERLYING CAUSE (disease that initiated the events resulting in death) LAST.

OPERATION-Enter in Part II information on operation or procedure related to disease or conditions listed in Part I.

SUBSTANCE USE Include the use of tobacco, alcohol or other substance if this caused or contributed to death. SPECIFY IN PART I or PART II.

25. CAUSE OF DEATH – List only one cause on each line. DO NOT ABBREVIATE.

PART I

	APPROXIMATE INTERVAL: ONSET TO DEATH
a. IMMEDIATE CAUSE	
b. DUE TO OR AS A CONSEQUENCE OF	
c. DUE TO OR AS A CONSEQUENCE OF	
d. DUE TO OR AS A CONSEQUENCE OF	

PART II

OTHER SIGNIFICANT CONDITIONS CONTRIBUTING TO DEATH but not resulting in the underlying cause given in Part I. Include operation information.

26a. Was an autopsy performed?
        1 ❏ Yes   2 ❏ No

26b. Were autopsy findings available to complete the cause of death?
        1 ❏ Yes   2 ❏ No

27a. If Female
1 ❏ Not pregnant within 1 year of death
2 ❏ Pregnant at time of death
3 ❏ Not pregnant at death, but pregnant within 42 days of death
4 ❏ Not pregnant at death, but pregnant 43 days to 1 year before death
5 ❏ Unknown if pregnant within 1 year of death

27b. If pregnant within one year of death, outcome of pregnancy
1 ❏ Live Birth
2 ❏ Spontaneous Termination/ Ectopic Pregnancy
3 ❏ Induced Termination   4 ❏ None

27c. Date of Outcome

mm	dd	yyyy

28. Was this case referred to OCME?
    1 ❏ Yes
    2 ❏ No

29. Did tobacco use contribute to death?
1 ❏ Yes 2 ❏ No   3 ❏ Probably   4 ❏ Unknown

30. For infant under one year: Name and address of hospital or other place of birth

I am submitting herewith a confidential report of the cause of death.

SIGNATURE _____ D.O. M.D.   ADDRESS _____ LICENSE NO. _____

CERTIFICATE OF DEATH   Certificate No.

❏ New
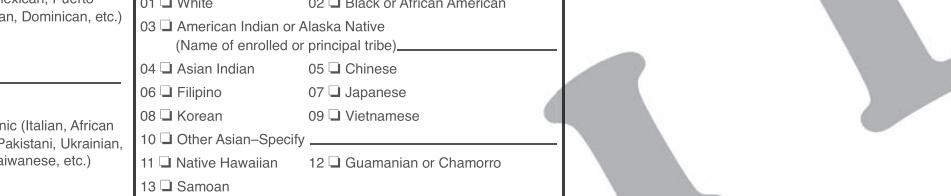❏ Corr/Amend
❏ Replacement

DOHMH USE ONLY

| BOR |
| INST |
| MANNER |
| RESIDENCE |
| CODE |
| BP |
| LDIS |
| H |
| ANC |
| NH |
| ANC |
| ICD |
| AUT |

MEDICAL CERTIFICATE OF DEATH (To be filled in by the OCME)

1. DECEDENT'S LEGAL NAME

(First Name)   (Middle Name)   (Last Name)

Place Of Death

2a. New York City

2b. Borough

2c. Type of Place
1 ❏ Hospital Inpatient
2 ❏ Emergency Dept./Outpatient
3 ❏ Dead on Arrival
4 ❏ Nursing Home/Long Term Care Facility
5 ❏ Hospice Facility
6 ❏ Decedent's Residence
7 ❏ Other Specify

2d. Name of hospital or other facility (if not facility, street address)

Date and Time of Death or Found Dead

3a. (Month) (Day) (Year-yyyy)

3b. Time ❏ AM ❏ PM

4. Sex

5. OCME Case No.

6. CAUSE OF DEATH   **PART I**

a. Immediate cause

b. Due to or as a consequence of

c. Due to or as a consequence of

PART II Other significant conditions contributing to death but not resulting in the underlying cause given in Part I. Include operation information.

APPROXIMATE INTERVAL: ONSET TO DEATH

7a. Injury Date (mm dd yyyy)

7b. Time ❏ AM ❏ PM

7c. At Work
1 ❏ Yes
2 ❏ No

7d. Place of Injury – At home, factory, street, etc.

7e. Location

7f. How Injury Occurred

7g. If Transportation Injury Specify
❏ Driver/Operator ❏ Pedestrian
❏ Passenger
❏ Other Specify

8. Manner of Death
❏ Pending further study
❏ Natural ❏ Homicide
❏ Accident ❏ Suicide ❏ Undetermined

9. Autopsy
❏ Yes
❏ No Autopsy Pursuant to Law
❏ No Autopsy

10. On the basis of examination and/or investigation, in my opinion, death occurred due to the causes and manner as stated:

Certifier Signature _____ M.D. Date _____

Certifier Name (Print) _____
(Medical Investigator) (Deputy Chief) (Chief) (Medical Examiner)

PERSONAL PARTICULARS (To be filled in by Funeral Director or, in case of City Burial, by OCME)

11a. Usual Residence State

11b. County

11c. City or Town

11d. Street and Number

Apt. No.

ZIP Code

11e. Inside City Limits?
1 ❏ Yes   2 ❏ No

12. Date of Birth (Month) (Day) (Year-yyyy)

13. Age at last birthday (years) 1

Under 1 Year		Under 1 Day	
Months	Days	Hours	Minutes
2	3	4	5

14. Social Security No.

15a. Usual Occupation (Type of work done during most of working life. Do not use "retired")

15b. Kind of business or industry

16. Aliases or AKAs

17. Birthplace (City & State or Foreign Country)

18. Education (Check the box that best describes the highest degree or level of school completed at the time of death)
1 ❏ 8th grade or less; none
2 ❏ 9th – 12th grade; no diploma
3 ❏ High school graduate or GED
4 ❏ Some college credit, but no degree
5 ❏ Associate degree (e.g., AA, AS)
6 ❏ Bachelor's degree (e.g., BA, AB, BS)
7 ❏ Master's degree (e.g., MA, MS, MEng, MEd, MSW, MBA)
8 ❏ Doctorate (e.g., PhD, EdD) or Professional degree (e.g., MD, DDS, DVM, LLB, JD)

19. Ever in U.S. Armed Forces?
1 ❏ Yes   2 ❏ No

20. Marital Status at Time of Death
1 ❏ Married   3 ❏ Married, but separated   5 ❏ Widowed
2 ❏ Divorced   4 ❏ Never married   6 ❏ Unknown

21. Surviving Spouse's Name (If wife, name prior to first marriage) (First, Middle, Last)

22. Father's Name (First, Middle, Last)

23. Mother's Maiden Name (Prior to first marriage) (First, Middle, Last)

24a. Informant's Name

24b. Relationship to Decedent

24c. Address (Street and Number   Apt. No.   City & State   ZIP Code)

25a. Method of Disposition
1 ❏ Burial   2 ❏ Cremation   3 ❏ Entombment   4 ❏ City Cemetery
5 ❏ Other Specify _____

25b. Place of Disposition (Name of cemetery, crematory, other place)

25c. Location of Disposition (City & State or Foreign Country)

25d. Date of Disposition mm dd yyyy

26a. Funeral Establishment

26b. Address (Street and Number   City & State   ZIP Code)

VR 16 (Rev. 01/03)

THE CITY OF NEW YORK – DEPARTMENT OF HEALTH AND MENTAL HYGIENE

MEDICAL EXAMINER'S SUPPLEMENTARY REPORT

VR 16 (Rev. 01/03)

Certificate No.

To be filled in by **FUNERAL DIRECTOR** or, in case of City Burial, by OCME

27. Ancestry (Check one box and specify)
   ❏ Hispanic (Mexican, Puerto Rican, Cuban, Dominican, etc.)

   Specify ―――――――

   ❏ NOT Hispanic (Italian, African American, Pakistani, Ukrainian, Nigerian, Taiwanese, etc.)

   Specify ―――――――

28. Race as defined by the U.S. Census (Check one or more to indicate what the decedent considered himself or herself to be)
   01 ❏ White   02 ❏ Black or African American
   03 ❏ American Indian or Alaska Native
       (Name of enrolled or principal tribe)――――――
   04 ❏ Asian Indian   05 ❏ Chinese
   06 ❏ Filipino   07 ❏ Japanese
   08 ❏ Korean   09 ❏ Vietnamese
   10 ❏ Other Asian–Specify ――――――
   11 ❏ Native Hawaiian   12 ❏ Guamanian or Chamorro
   13 ❏ Samoan
   14 ❏ Other Pacific Islander–Specify ――――――
   15 ❏ Other–Specify ――――――

DECEDENT'S LEGAL NAME (Type or Print)

29a. If Female
1 ❏ Not pregnant within 1 year of death
2 ❏ Pregnant at time of death
3 ❏ Not pregnant at death, but pregnant within 42 days of death
4 ❏ Not pregnant at death, but pregnant 43 days to 1 year before death
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29b. If pregnant within one year of death, outcome of pregnancy
1 ❏ Live Birth
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3 ❏ Induced Termination   4 ❏ None

29c. Date of Outcome
mm	dd	yyyy

30. Did tobacco use contribute to death?
   1 ❏ Yes   2 ❏ No   3 ❏ Probably   4 ❏ Unknown

31. For infant under one year: Name and address of hospital or other place of birth

Cleared For Cremation If Family Requests

―――――――――
M.E. Signature

I certify that I personally examined the body on

――――――― at ―――――――
(Date)   (Location)

SIGNATURE: ―――――――
(Medical Investigator) (Deputy Chief) (Chief) (Medical Examiner)

or

I did not personally examine the body after death.

SIGNATURE: ―――――――
(Deputy Chief) (Chief) (Medical Examiner)