



Epi Data Tables

New York City Department of Health and Mental Hygiene

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Diabetes-related Mortality in New York City

Data Tables

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Data Source

Data Sources – Bureau of Vital Statistics: Data on deaths that occurred in New York City in 2011 were from the New York City Department of Mental Hygiene’s Bureau of Vital Statistics mortality data file. **NCHS:** Data on deaths in New York City between 1990 and 2010 were from the National Center for Health Statistics (NCHS) mortality data files. **US Census Bureau:** All rates were calculated using intercensal estimates from the US Census, except for community districts, which used NYC DOHMH population estimates, modified from US Census Bureau intercensal estimates, file date 11/2012.

Methods: Cause of death was coded according to the International Statistical Classification of Disease and Related Health Problems (ICD) – 9th (1990-1998) and 10th (1999-2011) Revisions – diabetes-related: 250 (9th), E10-E14 (10th). Rates were age-adjusted in five groups: 0-54, 55-64, 65-74, 75-84, 85+, to the 2000 US Standard Population.

[To access the related Epi Data Brief, go to nyc.gov/health/html/doh/downloads/pdf/epi/databrief28.pdf](http://nyc.gov/health/html/doh/downloads/pdf/epi/databrief28.pdf)



Table 1: Leading underlying causes of death among diabetes-related deaths, New York City, 2011

Source: Bureau of Vital Statistics, NYC DOHMH, 2011

Underlying cause of death	Overall		Males		Females	
	# of deaths	%	# of deaths	%	# of deaths	%
1 Heart disease	1,929	33.9	975	35.7	954	32.2
2 Diabetes	1,770	31.1	846	31.0	924	31.2
3 Cancer (malignant neoplasms)	469	8.2	225	8.2	244	8.2
4 Influenza and pneumonia	222	3.9	104	3.8	118	4.0
5 Cerebrovascular diseases (including stroke)	202	3.5	86	3.2	116	3.9
6 Chronic lower respiratory diseases	154	2.7	73	2.7	81	2.7
7 Essential hypertension and renal failure	118	2.1	48	1.8	70	2.4
8 Septicemia	55	1.0	24	0.9	31	1.0
9 Alzheimers disease	50	0.9	16	0.6	34	1.1
10 Accidents	48	0.8	25	0.9	23	0.8
Other	678	11.9	311	11.4	367	12.4
All diabetes-related deaths	5,695	100.0	2,733	100.0	2,692	100.0

Table 2: Trends in age-adjusted rates of diabetes-related mortality, New York City, 1990-2011

Source: NCHS; Bureau of Vital Statistics, NYC DOHMH; US Census Bureau

Rates are per 100,000 population and age adjusted to the US 2000 Standard Population

Year	# of diabetes-related deaths	Diabetes-related death rate	Total # of deaths in New York City	% of all deaths: diabetes-related
1990	4,436	61.3	73,855	6.0%
1991	4,512	62.5	72,414	6.2%
1992	4,364	60.4	70,997	6.1%
1993	4,395	60.8	73,383	6.0%
1994	4,318	59.7	71,021	6.1%
1995	4,289	59.2	70,749	6.1%
1996	4,099	56.4	66,769	6.1%
1997	4,066	55.7	62,503	6.5%
1998	4,283	58.1	61,007	7.0%
1999	4,765	63.8	62,448	7.6%
2000	4,496	59.1	60,833	7.4%
2001	4,609	60.1	60,209	7.7%
2002	4,764	61.4	59,640	8.0%
2003	5,017	64.3	59,209	8.5%
2004	5,053	64.2	57,458	8.8%
2005	5,072	64.0	57,060	8.9%
2006	5,081	64.1	55,376	9.2%
2007	4,838	60.6	54,073	8.9%
2008	4,979	61.7	54,193	9.2%
2009	5,210	63.8	52,881	9.9%
2010	5,537	66.5	52,575	10.5%
2011	5,695	67.4	52,789	10.8%

Table 3: Diabetes-related deaths and age-adjusted death rates, 2011, and percent change in rates between 2000 and 2010 by Community District, New York City

Source: Bureau of Vital Statistics, NYC DOHMH; NYC DOHMH population estimates, modified from US Census Bureau intercensal estimates, file date 11/2012

Rates are per 100,000 population and age adjusted to the US 2000 Standard Population

*Percent change calculated using three-year averages (1999-2001 for 2000 and 2009-2011 for 2010).

^Rate unreliable due to small number of deaths.

Community District	# of diabetes-related deaths (2011)	Population (2011)	Age-adjusted diabetes-related death rate (2011)	95% confidence interval	Percent change in rate* (2000 to 2010)
Battery Park, Tribeca (MN01)	16	61,993	^	^	^
Greenwich Village, SOHO (MN02)	20	90,466	21.2	(12.9- 32.7)	5.2
Lower East Side (MN03)	104	164,862	51.8	(41.7- 61.8)	13.2
Chelsea, Clinton (MN04)	27	104,456	26.7	(17.6- 38.8)	-12.9
Midtown Business District (MN05)	14	51,977	^	^	^
Murray Hill (MN06)	34	143,343	19.2	(13.2- 27.0)	21.7
Upper West Side (MN07)	115	211,374	40.8	(33.2- 48.4)	-2.6
Upper East Side (MN08)	76	222,200	25.1	(19.7- 31.5)	-14.2
Manhattanville (MN09)	67	110,904	66.7	(51.6- 84.8)	15.2
Central Harlem (MN10)	122	117,365	117.9	(96.7-139.1)	10.4
East Harlem (MN11)	143	122,161	116.5	(97.3-135.6)	6
Washington Heights (MN12)	106	192,213	55.0	(44.4- 65.5)	33.9
Mott Haven (BX01)	112	91,902	158.5	(128.5-188.5)	30.6
Hunts Point (BX02)	45	52,552	116.6	(84.4-157.0)	9.6
Morrisania (BX03)	73	79,887	129.8	(100.4-165.1)	13.3
Concourse, Highbridge (BX04)	140	146,787	130.9	(108.4-153.3)	29.3
University /Morris Heights (BX05)	83	128,366	101.7	(79.3-128.5)	32.7
East Tremont (BX06)	79	83,581	133.6	(105.1-167.5)	9.9
Fordham (BX07)	115	140,129	109.6	(88.8-130.3)	27.6
Riverdale (BX08)	104	103,420	66.6	(53.7- 81.7)	8.6
Unionport, Soundview (BX09)	166	173,019	112.5	(95.1-129.9)	32.5
Throgs Neck (BX10)	103	121,735	63.3	(51.4- 77.1)	23.9
Pelham Parkway (BX11)	116	114,521	91.8	(75.0-108.7)	14.6
Williamsbridge (BX12)	120	151,853	79.7	(65.3- 94.1)	63.4
Williamsburg, Greenpoint (BK01)	94	175,874	71.3	(57.4- 87.6)	22.3
Fort Green, Brooklyn Heights (BK02)	66	101,185	70.1	(54.1- 89.4)	-6.3
Bedford Stuyvesant (BK03)	159	154,364	136.6	(114.8-158.4)	29.9
Bushwick (BK04)	87	114,642	125.6	(99.9-155.9)	-3.9
East New York (BK05)	204	184,798	135.4	(116.4-154.4)	23.3
Park Slope (BK06)	55	106,602	66.3	(49.7- 86.7)	-13.1
Sunset Park (BK07)	46	128,921	51.5	(37.4- 69.1)	2.9
Crown Heights North (BK08)	86	97,203	108.8	(86.8-134.7)	26.4
Crown Heights South (BK09)	101	98,978	105.4	(85.7-128.3)	45.1
Bay Ridge (BK10)	65	126,208	42.8	(32.9- 54.8)	0.7
Bensonhurst (BK11)	102	184,883	44.6	(36.3- 54.3)	29.7
Borough Park (BK12)	66	193,588	35	(26.8- 45.0)	29.5

Table 3: Diabetes-related deaths and age-adjusted death rates, 2011, and percent change in rates between 2000 and 2010 by Community District, New York City

Source: Bureau of Vital Statistics, NYC DOHMH; NYC DOHMH population estimates, modified from US Census Bureau intercensal estimates, file date 11/2012

Rates are per 100,000 population and age adjusted to the US 2000 Standard Population

*Percent change calculated using three-year averages (1999-2001 for 2000 and 2009-2011 for 2010).

^Rate unreliable due to small number of deaths.

Community District	# of diabetes-related deaths (2011)	Population (2011)	Age-adjusted diabetes-related death rate (2011)	95% confidence interval	Percent change in rate* (2000 to 2010)
Coney Island (BK13)	113	105,112	62.8	(50.6- 75.0)	18.7
Flatbush, Midwood (BK14)	100	161,853	62.9	(51.0- 76.8)	53.7
Sheepshead Bay (BK15)	109	161,166	46	(37.1- 55.0)	40.5
Brownsville (BK16)	122	86,886	176.6	(144.4-208.7)	50.8
East Flatbush (BK17)	156	155,778	100.7	(84.5-116.8)	61.2
Canarsie (BK18)	151	194,510	79.8	(66.9- 92.8)	62.6
Astoria, Long Island City (QN01)	90	191,760	50.4	(40.5- 62.0)	47.5
Sunnyside, Woodside (QN02)	38	114,375	36	(25.3- 49.6)	40.6
Jackson Heights (QN03)	58	173,732	38.5	(29.2- 49.9)	51.8
Elmhurst, Corona (QN04)	72	174,788	52.1	(40.6- 65.8)	32.9
Ridgewood, Glendale (QN05)	91	170,218	52.4	(42.1- 64.4)	-11.5
Rego Park, Forest Hills (QN06)	70	114,019	41.2	(31.8- 52.5)	13.6
Flushing (QN07)	143	249,643	41.1	(34.2- 48.0)	38.2
Fresh Meadows, Briarwood (QN08)	91	152,292	51.1	(40.9- 63.0)	38.1
Woodhaven (QN09)	72	144,541	58.8	(45.6- 74.5)	45.6
Howard Beach (QN10)	101	123,008	80.2	(65.2- 97.6)	43.1
Bayside (QN11)	44	116,986	27.3	(19.6- 37.0)	33.1
Jamaica, St. Albans (QN12)	182	227,460	82.2	(70.1- 94.2)	12.6
Queens Village (QN13)	98	189,490	43.8	(35.4- 53.5)	30.2
The Rockaways (QN14)	100	115,761	78.9	(64.2- 96.1)	55.5
Port Richard (SI01)	103	177,231	62.4	(50.1- 74.6)	22.4
Willowbrook, South Beach (SI02)	79	132,427	46.1	(36.3- 57.7)	1
Tottenville (SI03)	55	160,052	32.1	(24.0- 42.0)	25.9

Map 1: Diabetes-related age-adjusted death rates, 2011 and percent change between 2000 and 2010 by Community District, New York City

Source: Bureau of Vital Statistics, NYC DOHMH, 2011. NYC DOHMH population estimates, modified from US Census Bureau intercensal estimates, file date 11/2012.

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