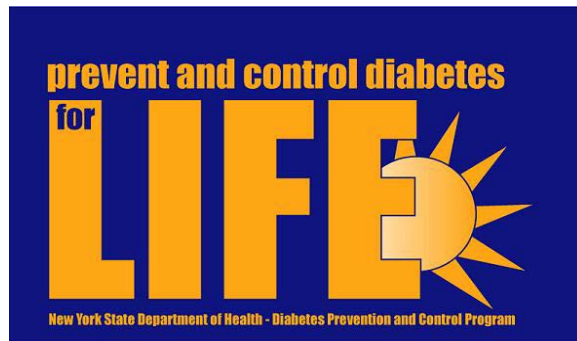


The State of Diabetes in New York State: A Surveillance Report



New York State Department of Health
Diabetes Prevention and Control Program
Data from 1997-2004
Prepared in 2007

Table 1 - Diabetes Prevalence, Mortality, Hospitalization, and Complications

	1997	1998	1999	2000	2001	2002	2003	2004
PREVALENCE								
Estimated prevalence of diagnosed diabetes (%)	4.8	5.5	6.0	6.2	6.7	7.1	7.4	7.7
Estimated number of adults with diagnosed diabetes	665,000	761,000	832,000	874,000	956,000	1,025,000	1,074,000	1,127,000
Estimated number of adults with undiagnosed diabetes	266,400	304,800	333,300	350,100	382,900	410,600	430,200	451,000
MORTALITY								
Number of diabetes deaths, underlying	3,598	3,515	3,849	3,980	3,819	3,922	4,234	3,916
Mortality rate per 100,000 population - crude	19.4	18.9	20.6	21.0	20.0	20.5	22.1	20.4
Mortality rate per 100,000 population - age-sex adjusted	18.9	18.3	20.0	20.2	19.0	19.3	20.5	19.4
HOSPITALIZATION								
Number of hospitalizations, diabetes as any listing	306,093	323,078	332,419	354,729	365,977	390,261	421,791	434,261
Hospitalization rate per 1,000 people with diabetes, any listing	460.3	424.5	399.5	405.9	382.8	380.7	392.7	385.3
Number of hospitalizations, diabetes as principle only	33,176	33,632	34,463	35,408	36,241	37,377	39,667	39,959
Hospitalization rate per 1,000 people with diabetes, principle only	49.9	44.2	41.4	40.5	37.9	36.5	36.9	35.5
LOWER EXTREMITY AMPUTATIONS								
Number of lower extremity amputations due to diabetes	4,782	4,954	5,014	5,154	4,930	4,981	4,924	5,039
Lower extremity amputation rate per 1,000 people with diabetes	7.2	6.5	6.0	5.9	5.2	4.9	4.6	4.5
END STAGE RENAL DISEASE								
Number of new cases (Incidence) of ESRD due to diabetes	2,383	2,497	2,524	2,701	2,845	2,835	2,862	2,844
Incidence of ESRD per 1,000 people with diabetes	3.6	3.3	3.0	3.1	3.0	2.8	2.7	2.5
Number of all cases (Prevalence) of ESRD due to diabetes	6,582	8,477	4,286	7,355	7,807	8,174	8,466	8,745
Prevalence of ESRD per 1,000 people with diabetes	9.9	11.1	5.2	8.4	8.2	8.0	7.9	7.6

SOURCES: New York State Behavioral Risk Factor Surveillance System (BRFSS) for prevalence, New York State Vital Statistics for mortality, Statewide Planning and Research Cooperative System (SPARCS) for hospitalization and lower extremity amputations, and End Stage Renal Disease Report by Chronic Kidney Disease Network of New York for end stage renal disease.

Table 2 - Diabetes Medical Care

	1997	1998	1999	2000	2001	2002	2003	2004
MANAGED CARE POPULATION – COMMERCIAL								
HbA1c testing once or more a year (%)	n/a	74.0	77.0	79.0	n/a	83.0	85.0	88.0
HbA1c over 9.5% or no test (%)	n/a	49.0	43.0	39.0	n/a	31.0	31.0	28.0
Dilated eye exam (%)	n/a	n/a	57.0	58.0	n/a	56.0	53.0	55.0
Lipids profile (%)	n/a	n/a	78.0	84.0	n/a	90.0	91.0	94.0
LDL less than 130 mg/dl (%)	n/a	n/a	37.0	50.0	n/a	58.0	64.0	71.0
Nephropathy screening (%)	n/a	n/a	39.0	47.0	n/a	55.0	52.0	59.0
MANAGED CARE POPULATION - MEDICAID								
HbA1c testing once or more a year (%)	n/a	69.0	72.0	76.0	n/a	80.0	84.0	85.0
HbA1c over 9.5% or no test (%)	n/a	60.0	57.0	53.0	n/a	45.0	42.0	37.0
Dilated eye exam (%)	n/a	n/a	40.0	49.0	n/a	54.0	55.0	56.0
Lipids profile (%)	n/a	n/a	57.0	68.0	n/a	82.0	88.0	92.0
LDL less than 130 mg/dl (%)	n/a	n/a	29.0	38.0	n/a	50.0	58.0	63.0
Nephropathy screening (%)	n/a	n/a	37.0	45.0	n/a	50.0	50.0	56.0
SELF REPORT by ADULTS with DIABETES								
A1C testing once or more last year (%)	24.5	23.5	n/a	n/a	84.9	n/a	89.3	79.1
A1C testing twice or more last year (%)	19.0	19.1	n/a	n/a	72.5	n/a	77.1	67.0
Never heard of A1C test (%)	62.0	61.6	n/a	n/a	10.7	n/a	6.0	11.1
Dilated eye exam last year (%)	66.0	62.3	n/a	n/a	75.9	n/a	76.9	67.5
Professional foot exam once or more last year (%)	59.4	69.4	n/a	n/a	72.0	n/a	79.6	73.4
Diabetes education, ever had (%)	70.5	69.8	n/a	n/a	48.1	n/a	37.4	43.2
Flu shot last year (%)	49.0	n/a	50.5	n/a	51.5	58.8	62.5	59.9
Pneumococcal shot, ever had (%)	24.6	n/a	32.4	n/a	41.0	48.4	56.5	52.6

SOURCES: Quality Assurance Reporting Requirements (QARR) for managed care and New York State Behavioral Risk Factor Surveillance System (BRFSS) for self-reported diabetes care

Table 3 - Prevalence of Diabetes, Overweight, and Obesity in New York State Localities, 2003 (%)

Locality	Diagnosed Diabetes	Overweight (BMI 25.0-29.9)	Obesity (BMI 30.0 or above)
Albany	6.3	34.7	19.2
Allegany, Wyoming	6.2	33.0	24.4
Broome	7.3	37.5	23.0
Cattaraugus, Chautauqua	7.6	40.2	24.2
Cayuga, Seneca, Wayne	7.4	36.3	22.9
Chemung, Schuyler, Tioga	8.3	40.2	23.0
Chenango, Madison	5.3	38.4	23.5
Clinton, Essex, Franklin	6.5	35.1	21.7
Columbia, Greene	6.2	37.5	21.3
Cortland, Tompkins	4.0	32.0	19.6
Delaware, Otsego, Schoharie	6.9	37.9	23.1
Dutchess, Putnam	7.5	33.9	23.1
Erie	7.3	32.6	25.0
Fulton, Montgomery	9.1	38.5	22.9
Genesee, Orleans	6.7	37.6	26.6
Hamilton, Herkimer	8.4	40.6	22.3
Jefferson, Lewis, St. Lawrence	10.2	37.7	30.0
Livingston, Ontario	5.3	36.3	24.3
Monroe	7.9	36.3	23.1
Nassau	5.8	35.2	16.8

Locality	Diagnosed Diabetes	Overweight (BMI 25.0-29.9)	Obesity (BMI 30.0 or above)
Niagara	7.7	36.2	23.9
Oneida, Oswego	6.6	36.0	25.7
Onondaga	6.2	39.2	20.3
Orange	6.1	39.0	21.4
Rensselaer	8.2	35.3	23.7
Rockland	6.6	38.0	17.8
Saratoga	5.5	37.6	20.9
Schenectady	6.1	37.7	22.9
Steuben, Yates	8.2	33.8	24.9
Suffolk	5.9	40.4	16.6
Sullivan, Ulster	7.2	34.3	22.8
Warren, Washington	7.0	39.5	20.7
Westchester	4.8	38.2	15.4
Non-New York City Total	6.6	36.8	20.8
Bronx	10.0	38.1	24.6
Kings (Brooklyn)	7.9	35.6	23.0
New York (Manhattan)	5.9	28.6	13.7
Queens	8.8	37.6	20.0
Richmond (Staten Island)	6.2	36.7	21.0
New York City Total	8.0	35.1	20.4
Statewide Total	7.2	36.1	20.6

Source: New York State Department of Health Expanded BRFSS, 2003

Table 4 - Diabetes Deaths, Crude, and Age-Sex Adjusted Mortality Rates* in New York State Localities, 2003

Locality	Diabetes Deaths	Crude Mortality Rate	Age-sex Adjusted Mortality Rate	Locality	Diabetes Deaths	Crude Mortality Rate	Age-sex Adjusted Mortality Rate
Albany	73	24.5	20.6	Orange	56	15.4	17.2
Allegany	19	37.6	32.7	Orleans	7	16.0	14.5
Broome	66	33.1	25.4	Oswego	29	23.5	24.8
Cattaraugus	26	31.2	26.0	Otsego	10	16.1	13.7
Cayuga	32	39.2	32.6	Putnam	11	11.0	12.8
Chautauqua	41	29.8	23.7	Rensselaer	38	24.7	22.2
Chemung	30	33.2	26.3	Rockland	38	13.0	13.0
Chenango	9	17.4	13.4	St Lawrence	39	34.9	32.3
Clinton	22	27.0	27.1	Saratoga	39	18.6	18.3
Columbia	15	23.7	17.8	Schenectady	50	33.9	25.8
Cortland	14	28.8	28.0	Schoharie	6	18.9	15.7
Delaware	26	55.1	39.1	Schuyler	8	41.1	31.8
Dutchess	49	16.8	17.0	Seneca	11	31.3	27.2
Erie	226	24.0	18.8	Steuben	24	24.2	20.0
Essex	4	10.3	7.9	Suffolk	283	19.3	19.4
Franklin	11	21.5	20.0	Sullivan	24	32.0	27.8
Fulton	15	27.2	20.2	Tioga	15	29.0	26.5
Genesee	24	40.0	34.6	Tompkins	19	18.7	21.9
Greene	10	20.5	15.0	Ulster	43	23.7	21.8
Hamilton	0	0.0	0.0	Warren	18	27.8	21.9
Herkimer	13	20.4	15.5	Washington	11	17.8	15.6
Jefferson	22	19.2	20.0	Wayne	34	36.3	34.7
Lewis	12	45.1	38.5	Westchester	164	17.4	15.1
Livingston	11	17.0	17.5	Wyoming	10	23.3	22.5
Madison	12	17.1	15.7	Yates	8	32.4	25.6
Monroe	122	16.6	14.7	Non-New York City Total	2,364	21.3	18.6
Montgomery	23	46.6	29.9	Bronx	443	32.5	38.7
Nassau	188	14.0	11.3	Kings (Brooklyn)	594	24.0	24.6
Niagara	55	25.2	20.7	New York (Manhattan)	313	20.0	19.2
Oneida	66	28.2	20.6	Queens	421	18.9	17.7
Onondaga	116	25.2	22.4	Richmond (Staten Island)	99	21.5	21.5
Ontario	17	16.6	13.8	New York City Total	1,870	23.1	23.3
				Statewide Total	4,234	22.1	20.5

*Mortality rate is per 100,000 population. Source: New York State Vital Statistics, 2003.

Table 5 – Diabetes-Related Hospitalizations in New York State Localities, 2004

Locality	Principle Only	Rate per 100,000	Any Listing	Rate per 100,000	Locality	Principle Only	Rate per 100,000	Any Listing	Rate per 100,000
Albany	383	12.5	5984	195.0	Orange	635	18.0	7539	213.6
Allegany	111	21.9	1239	243.9	Orleans	60	12.9	883	189.9
Broome	276	12.9	4237	198.0	Oswego	167	13.2	2576	203.5
Cattaraugus	159	19.0	2066	247.1	Otsego	77	12.4	1327	213.7
Cayuga	109	12.7	1683	196.4	Putnam	105	11.6	1297	143.2
Chautauqua	221	15.7	2714	192.6	Rensselaer	231	14.5	3284	205.5
Chemung	171	16.8	2351	230.9	Rockland	337	12.2	4567	164.9
Chenango	83	15.4	1145	212.4	St Lawrence	203	18.0	2949	261.7
Clinton	117	12.8	1828	199.1	Saratoga	197	9.5	3120	150.2
Columbia	58	8.9	1095	167.2	Schenectady	246	16.5	3545	237.9
Cortland	61	11.8	937	181.2	Schoharie	25	7.1	566	161.7
Delaware	42	9.0	1094	233.3	Schuyler	23	11.3	420	206.9
Dutchess	366	13.5	5041	185.6	Seneca	38	10.8	635	179.9
Erie	1598	16.3	19526	199.1	Steuben	177	17.3	2503	244.7
Essex	53	13.8	712	185.9	Suffolk	2134	15.5	27763	201.0
Franklin	79	15.5	1216	238.0	Sullivan	133	19.0	1599	228.4
Fulton	89	16.4	1340	246.3	Tioga	33	6.1	458	84.0
Genesee	80	12.8	1311	210.4	Tompkins	69	6.7	1071	103.4
Greene	29	6.0	845	174.9	Ulster	274	16.3	3622	215.6
Hamilton	5	8.9	108	192.9	Warren	69	10.8	1367	213.3
Herkimer	110	17.1	1617	251.1	Washington	54	8.7	990	158.7
Jefferson	168	14.6	2149	186.6	Wayne	122	13.1	1574	169.1
Lewis	45	15.7	688	239.7	Westchester	1525	16.6	17152	186.7
Livingston	90	13.1	1186	173.1	Wyoming	60	13.4	929	207.4
Madison	66	9.0	1039	141.6	Yates	53	21.1	563	224.3
Monroe	1019	13.7	12797	172.0	Non-New York City Total	16523	n/a	218550	n/a
Montgomery	100	19.3	1491	288.4	Bronx	5868	47.5	46552	376.6
Nassau	2176	17.0	27249	213.1	Kings (Brooklyn)	7511	31.4	64541	269.7
Niagara	486	21.4	5597	246.5	New York (Manhattan)	3914	25.8	34816	229.1
Oneida	445	17.4	6492	253.7	Queens	4523	21.8	47215	227.4
Onondaga	550	11.3	7735	159.5	Richmond (Staten Island)	984	23.5	10117	241.6
Ontario	131	13.1	1739	173.9	New York City Total	22800	n/a	203241	n/a
					Statewide Total	39323	21.0	421791	225.5

*Source: Statewide Planning and Research Cooperative System (SPARCS) 2003