

What's in this report?

Highlights from 2006..... 1

Reported PLWHA and Deaths among Reported HIV/AIDS Cases, New York City 1981 – 2006 1

HIV/AIDS Diagnoses and Deaths, January – December 2006, and PLWHA as of December 31, 2006..... 2

Which HIV-related Events are Reportable?..... 2

HIV/AIDS Diagnoses and Deaths, January – December 2006, and PLWHA as of December 31, 2006, by Sex 3

HIV/AIDS in UHF Neighborhoods in 2006..... 4

Publication schedule: This report reflects events occurring through December 31, 2006, and reported by September 30, 2007, unless otherwise stated. It represents diagnoses made through nine months prior to the publication date because case reporting is 85% complete by that time. Because cases continue to be reported for many months, the final numbers can be expected to be higher.

To receive this report via e-mail, send an e-mail request to: hivreport@health.nyc.gov

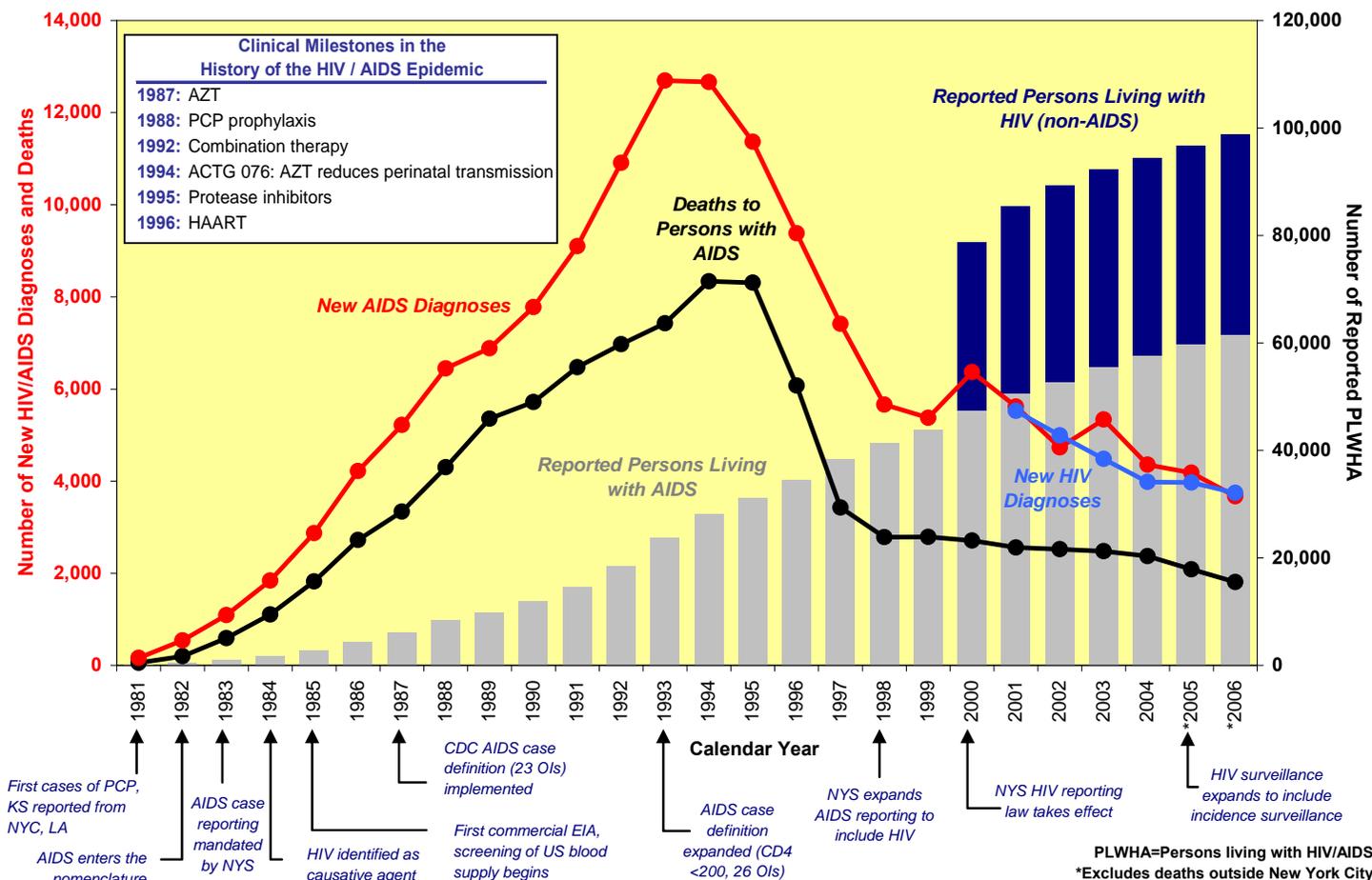
For electronic versions of this and other HIV-related reports, visit: <http://www.nyc.gov/html/doh/html/dires/hivepi.shtml>

HIV Epidemiology and Field Services Program
346 Broadway, Room 706, CN44, New York, NY 10013
Tel: (212) 442-3388 Fax: (212) 788-2520

HIGHLIGHTS FROM 2006

- ❑ **197,592** cases of HIV and AIDS have been diagnosed and reported in New York City since the beginning of the epidemic. **97,870 (50%)** have died.
- ❑ As of December 31, 2006, there were **98,861** persons diagnosed in New York City and presumed to be living with HIV/AIDS (PLWHA), including **37,272** living with HIV (non-AIDS) and **61,589** living with AIDS.
 - One-third (**33%**) of PLWHA were aged 50 or older at the end of 2006, compared with **21%** at the end of 2001.
- ❑ The total number of new HIV (non-AIDS) diagnoses in New York City declined by **5%** between 2005 and 2006, from **2,944** to **2,783**. However, increases were observed in some subgroups.
 - Among males aged 13–29 years, new diagnoses increased by **6%**, from **651** in 2005 to **693** in 2006, and occurred predominantly in black or Hispanic MSM.
 - Among females aged 13–29 years, new diagnoses increased by **6%**, from **228** in 2005 to **242** in 2006. Over **90%** were black or Hispanic, and heterosexual transmission was the main risk factor.
 - Based on testing of diagnostic specimens with the Serologic Testing Algorithm for Recent HIV Seroconversion (STARHS), **30%** of new HIV (non-AIDS) diagnoses were identified as recent infections (i.e., within 6 months of diagnosis).
- ❑ Concurrent HIV/AIDS diagnoses accounted for **26%** of all new diagnoses of HIV in 2006. Those who are concurrently diagnosed with HIV and AIDS may have been infected for many years before knowing their HIV status.

Reported PLWHA and Deaths among Reported HIV/AIDS Cases, New York City 1981 – 2006



HIV/AIDS diagnoses and deaths occurring January 1, 2006, through December 31, 2006, and persons diagnosed and reported in New York City and presumed to be living with HIV/AIDS as of December 31, 2006¹

	HIV diagnoses 1/1/2006–12/31/2006 ¹							AIDS diagnoses 1/1/2006–12/31/2006 ³		PLWHA as of 12/31/2006		Deaths ⁴ 1/1/2006–12/31/2006	
	Total		Without AIDS		Concurrent with AIDS diagnosis ²			N	%	N	%	N	%
	N	%	N	%	N	%	Row %						
Total	3,745	100.0	2,783	100.0	962	100.0	25.7	3,672	100.0	98,861	100.0	2,076	100.0
Sex													
Male	2,729	72.9	2,006	72.1	723	75.2	26.5	2,551	69.5	68,858	69.7	1,429	68.8
Female	1,016	27.1	777	27.9	239	24.8	23.5	1,121	30.5	30,003	30.3	647	31.2
Race/Ethnicity													
Black	1,899	50.7	1,398	50.2	501	52.1	26.4	1,801	49.0	44,703	45.2	1,103	53.1
Hispanic	1,148	30.7	833	29.9	315	32.7	27.4	1,141	31.1	31,369	31.7	651	31.4
White	611	16.3	487	17.5	124	12.9	20.3	649	17.7	20,622	20.9	297	14.3
Asian/Pacific Islander	74	2.0	54	1.9	20	2.1	27.0	56	1.5	1,251	1.3	21	1.0
Native American	9	0.2	8	0.3	1	0.1	11.1	8	0.2	97	0.1	1	0.0
Other/unknown	4	0.1	3	0.1	1	0.1	25.0	17	0.5	819	0.8	3	0.1
Age group (years)⁵													
0-12	13	0.3	12	0.4	1	0.1	7.7	2	0.1	814	0.8	1	0.0
13-19	168	4.5	155	5.6	13	1.4	7.7	64	1.7	1,556	1.6	11	0.5
20-29	899	24.0	780	28.0	119	12.4	13.2	400	10.9	6,177	6.2	46	2.2
30-39	1,091	29.1	833	29.9	258	26.8	23.6	937	25.5	19,341	19.6	250	12.0
40-49	973	26.0	657	23.6	316	32.8	32.5	1,323	36.0	38,719	39.2	766	36.9
50-59	449	12.0	270	9.7	179	18.6	39.9	687	18.7	24,200	24.5	703	33.9
60+	152	4.1	76	2.7	76	7.9	50.0	259	7.1	8,054	8.1	299	14.4
Borough of residence													
Manhattan	1,078	28.8	816	29.3	262	27.2	24.3	1,093	29.8	30,167	30.5	560	27.0
Brooklyn	975	26.0	698	25.1	277	28.8	28.4	995	27.1	24,482	24.8	564	27.2
Bronx	829	22.1	615	22.1	214	22.2	25.8	856	23.3	21,502	21.7	565	27.2
Queens	578	15.4	434	15.6	144	15.0	24.9	450	12.3	13,577	13.7	257	12.4
Staten Island	66	1.8	47	1.7	19	2.0	28.8	63	1.7	1,750	1.8	53	2.6
Unknown/outside NYC	219	5.8	173	6.2	46	4.8	21.0	215	5.9	7,383	7.5	77	3.7
Transmission risk													
Men who have sex with men	1,449	38.7	1,148	41.3	301	31.3	20.8	1,085	29.5	29,532	29.9	323	15.6
Injection drug use history	248	6.6	171	6.1	77	8.0	31.0	522	14.2	20,915	21.2	799	38.5
Heterosexual ⁶	848	22.6	628	22.6	220	22.9	25.9	787	21.4	17,206	17.4	330	15.9
Perinatal	12	0.3	11	0.4	1	0.1	8.3	45	1.2	2,451	2.5	10	0.5
Other	1	0.0	1	0.0	0	0.0	0.0	4	0.1	378	0.4	7	0.3
Unknown	1,187	31.7	824	29.6	363	37.7	30.6	1,229	33.5	28,379	28.7	607	29.2
Clinical status as of 12/31/2006													
HIV (non-AIDS)	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	37,272	37.7	267	12.9
AIDS	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	61,589	62.3	1,809	87.1

PLWHA=Persons living with HIV/AIDS. All percents are column percents unless otherwise indicated.

¹ For events reported by September 30, 2007. ² HIV diagnosed concurrently with AIDS (within 31 days of HIV diagnosis). Row percent is percent of total HIV diagnoses that were concurrent with AIDS diagnoses. ³ AIDS was diagnosed in 2006 and includes concurrent HIV/AIDS diagnosis. ⁴ Includes deaths from any cause in persons with HIV/AIDS. ⁵ For HIV and AIDS diagnoses, age at diagnosis; for PLWHA, age as of December 31, 2006; and for deaths, age at death. ⁶ Includes persons who had heterosexual sex with an HIV-infected person, an injection drug user, or a person who has received blood products; and for females only, history of heterosexual prostitution, multiple sex partners of the opposite sex, sexually transmitted disease, crack/cocaine use, heterosexual sex with a bisexual male, or unspecified probable heterosexual transmission.

Which HIV-related events are reportable in New York State, and who is required to report?

In 1998, New York State expanded AIDS case reporting to include HIV (Chapter 163 of the Laws of 1998, PHL Article 21). The law took effect on **June 1, 2000** and was amended on **June 1, 2005**. All diagnostic and clinical providers (doctors, nurses, physician assistants, and all others diagnosing HIV or providing care to HIV-infected persons) and laboratories are required by law to report the following events:

Events reportable by providers on the required New York State Provider Report Form (PRF)

- Diagnoses of HIV infection
- Diagnoses of HIV illness in a previously unreported individual (i.e., HIV illness not meeting the AIDS case definition)
- Diagnoses of AIDS-defining conditions

Events reportable by laboratories

- All positive Western blot test results
- All viral load test results (detectable and undetectable)
- All CD4 test results
- All viral nucleotide sequence results

For assistance in reporting a case of HIV/AIDS, to receive Provider Report Forms, or to obtain more information, please call (212) 442-3388



**TALK TO US
CNAP
(212) 693-1419**

New York State law also requires that PRFs contain names of sexual or needle-sharing partners of the infected person known to medical providers or those whom the infected person wishes to have notified of their possible exposures. Providers can utilize and/or refer HIV-infected persons to the NYC DOHMH Contact Notification Assistance Program (CNAP) at (212) 693-1419 for assistance in carrying out partner notification.

For more information about the New York State HIV reporting and partner notification law and CNAP, visit:

www.health.state.ny.us/nysdoh/hivaids/hivpartner/intro.htm

HIV/AIDS diagnoses and deaths occurring January 1, 2006, through December 31, 2006, and persons diagnosed and reported in New York City and presumed to be living with HIV/AIDS as of December 31, 2006¹, by sex

	HIV diagnoses 1/1/2006–12/31/2006 ¹							AIDS diagnoses 1/1/2006–12/31/2006 ³		PLWHA as of 12/31/2006		Deaths ⁴ 1/1/2006–12/31/2006	
	Total		Without AIDS		Concurrent with AIDS diagnosis ²			N	%	N	%	N	%
	N	%	N	%	N	%	Row %						
Total (Male and Female)	3,745	100.0	2,783	100.0	962	100.0	25.7	3,672	100.0	98,861	100.0	2,076	100.0
Male	2,729	100.0	2,006	100.0	723	100.0	26.5	2,551	100.0	68,858	100.0	1,429	100.0
Race/Ethnicity													
Black	1,238	45.4	888	44.3	350	48.4	28.3	1,130	44.3	27,177	39.5	693	48.5
Hispanic	854	31.3	619	30.9	235	32.5	27.5	791	31.0	21,942	31.9	472	33.0
White	562	20.6	444	22.1	118	16.3	21.0	563	22.1	18,058	26.2	244	17.1
Asian/Pacific Islander	64	2.3	46	2.3	18	2.5	28.1	46	1.8	1,007	1.5	17	1.2
Native American	8	0.3	7	0.3	1	0.1	12.5	7	0.3	71	0.1	1	0.1
Other/unknown	3	0.1	2	0.1	1	0.1	33.3	14	0.5	603	0.9	2	0.1
Age group (years)⁵													
0-12	9	0.3	8	0.4	1	0.1	11.1	1	0.0	376	0.5	0	0.0
13-19	117	4.3	108	5.4	9	1.2	7.7	36	1.4	812	1.2	8	0.6
20-29	679	24.9	585	29.2	94	13.0	13.8	287	11.3	3,998	5.8	27	1.9
30-39	823	30.2	615	30.7	208	28.8	25.3	655	25.7	12,973	18.8	155	10.8
40-49	691	25.3	461	23.0	230	31.8	33.3	921	36.1	26,882	39.0	509	35.6
50-59	303	11.1	178	8.9	125	17.3	41.3	473	18.5	17,706	25.7	508	35.5
60+	107	3.9	51	2.5	56	7.7	52.3	178	7.0	6,111	8.9	222	15.5
Borough of residence													
Manhattan	897	32.9	677	33.7	220	30.4	24.5	857	33.6	24,166	35.1	429	30.0
Brooklyn	653	23.9	459	22.9	194	26.8	29.7	649	25.4	15,232	22.1	359	25.1
Bronx	519	19.0	371	18.5	148	20.5	28.5	510	20.0	12,781	18.6	361	25.3
Queens	436	16.0	324	16.2	112	15.5	25.7	323	12.7	9,499	13.8	187	13.1
Staten Island	46	1.7	33	1.6	13	1.8	28.3	40	1.6	1,089	1.6	33	2.3
Unknown/outside NYC	178	6.5	142	7.1	36	5.0	20.2	172	6.7	6,091	8.8	60	4.2
Transmission risk													
Men who have sex with men	1,449	53.1	1,148	57.2	301	41.6	20.8	1,085	42.5	29,532	42.9	323	22.6
Injection drug use history	198	7.3	135	6.7	63	8.7	31.8	379	14.9	14,875	21.6	563	39.4
Heterosexual ⁶	204	7.5	133	6.6	71	9.8	34.8	225	8.8	5,065	7.4	113	7.9
Perinatal	8	0.3	7	0.3	1	0.1	12.5	24	0.9	1,196	1.7	7	0.5
Other	1	0.0	1	0.0	0	0.0	0.0	2	0.1	200	0.3	5	0.3
Unknown	869	31.8	582	29.0	287	39.7	33.0	836	32.8	17,990	26.1	418	29.3
Clinical status as of 12/31/2006													
HIV (non-AIDS)	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	25,223	36.6	197	13.8
AIDS	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	43,635	63.4	1,232	86.2
Female	1,016	100.0	777	100.0	239	100.0	23.5	1,121	100.0	30,003	100.0	647	100.0
Race/Ethnicity													
Black	661	65.1	510	65.6	151	63.2	22.8	671	59.9	17,526	58.4	410	63.4
Hispanic	294	28.9	214	27.5	80	33.5	27.2	350	31.2	9,427	31.4	179	27.7
White	49	4.8	43	5.5	6	2.5	12.2	86	7.7	2,564	8.5	53	8.2
Asian/Pacific Islander	10	1.0	8	1.0	2	0.8	20.0	10	0.9	244	0.8	4	0.6
Native American	1	0.1	1	0.1	0	0.0	0.0	1	0.1	26	0.1	0	0.0
Other/unknown	1	0.1	1	0.1	0	0.0	0.0	3	0.3	216	0.7	1	0.2
Age group (years)⁵													
0-12	4	0.4	4	0.5	0	0.0	0.0	1	0.1	438	1.5	1	0.2
13-19	51	5.0	47	6.0	4	1.7	7.8	28	2.5	744	2.5	3	0.5
20-29	220	21.7	195	25.1	25	10.5	11.4	113	10.1	2,179	7.3	19	2.9
30-39	268	26.4	218	28.1	50	20.9	18.7	282	25.2	6,368	21.2	95	14.7
40-49	282	27.8	196	25.2	86	36.0	30.5	402	35.9	11,837	39.5	257	39.7
50-59	146	14.4	92	11.8	54	22.6	37.0	214	19.1	6,494	21.6	195	30.1
60+	45	4.4	25	3.2	20	8.4	44.4	81	7.2	1,943	6.5	77	11.9
Borough of residence													
Manhattan	181	17.8	139	17.9	42	17.6	23.2	236	21.1	6,001	20.0	131	20.2
Brooklyn	322	31.7	239	30.8	83	34.7	25.8	346	30.9	9,250	30.8	205	31.7
Bronx	310	30.5	244	31.4	66	27.6	21.3	346	30.9	8,721	29.1	204	31.5
Queens	142	14.0	110	14.2	32	13.4	22.5	127	11.3	4,078	13.6	70	10.8
Staten Island	20	2.0	14	1.8	6	2.5	30.0	23	2.1	661	2.2	20	3.1
Unknown/outside NYC	41	4.0	31	4.0	10	4.2	24.4	43	3.8	1,292	4.3	17	2.6
Transmission risk													
Injection drug use history	50	4.9	36	4.6	14	5.9	28.0	143	12.8	6,040	20.1	236	36.5
Heterosexual ⁶	644	63.4	495	63.7	149	62.3	23.1	562	50.1	12,141	40.5	217	33.5
Perinatal	4	0.4	4	0.5	0	0.0	0.0	21	1.9	1,255	4.2	3	0.5
Other	0	0.0	0	0.0	0	0.0	0.0	2	0.2	178	0.6	2	0.3
Unknown	318	31.3	242	31.1	76	31.8	23.9	393	35.1	10,389	34.6	189	29.2
Clinical status as of 12/31/2006													
HIV (non-AIDS)	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	12,049	40.2	70	10.8
AIDS	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	17,954	59.8	577	89.2

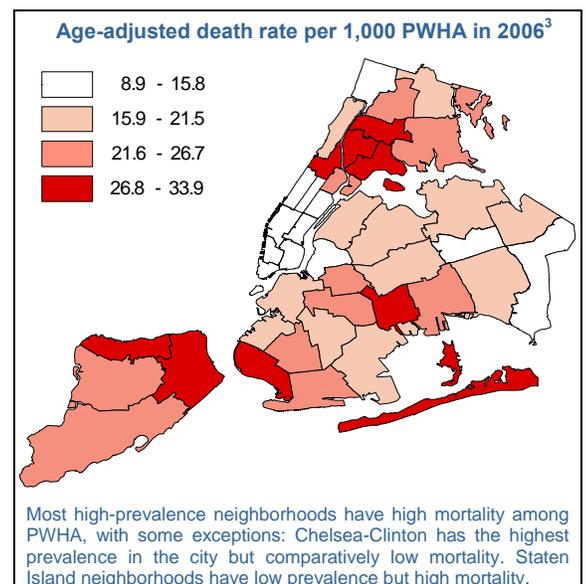
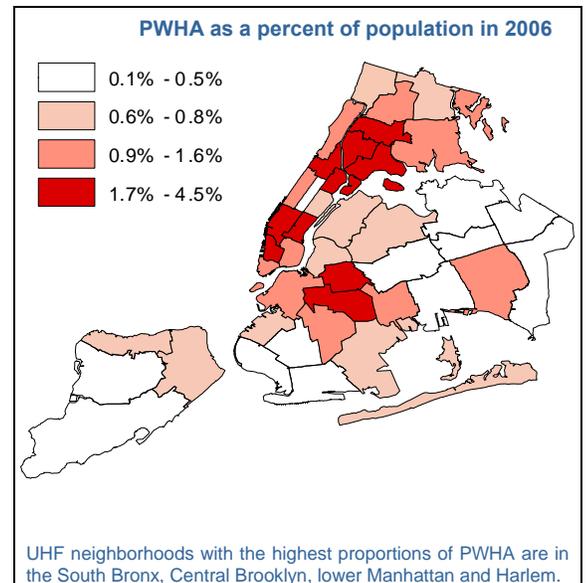
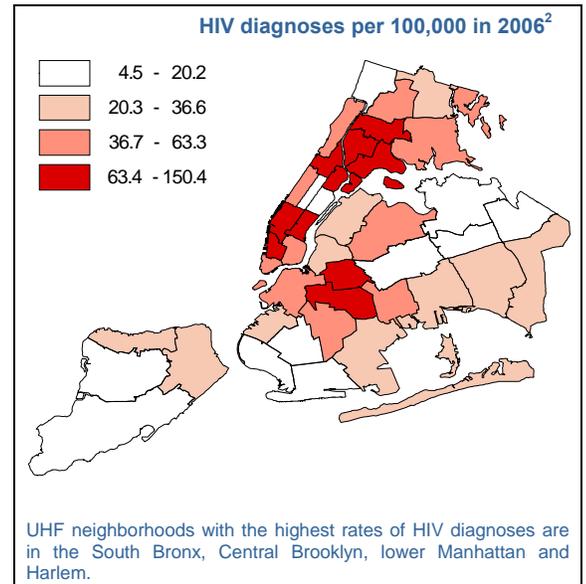
PLWHA=Persons living with HIV/AIDS. All percents are column percents unless otherwise indicated.

¹ For events reported by September 30, 2007. ² HIV diagnosed concurrently with AIDS (within 31 days of HIV diagnosis). Row percent is percent of total HIV diagnoses that were concurrent with AIDS diagnoses. ³ AIDS was diagnosed in 2006 and includes concurrent HIV/AIDS diagnosis. ⁴ Includes deaths from any cause in persons with HIV/AIDS. ⁵ For HIV and AIDS diagnoses, age at diagnosis; for PLWHA, age as of December 31, 2006; and for deaths, age at death.

⁶ Includes persons who had heterosexual sex with an HIV-infected person, an injection drug user, or a person who has received blood products; and for females only, history of heterosexual prostitution, multiple sex partners of the opposite sex, sexually transmitted disease, crack/cocaine use, heterosexual sex with a bisexual male, or unspecified probable heterosexual transmission.

Rates of HIV diagnoses, PWHA, and deaths among PWHA by United Hospital Fund (UHF) neighborhood, New York City 2006¹

	HIV diagnoses ² per 100,000 population	Reported PWHA as percent of population	Age-adjusted death rate per 1,000 PWHA ³	Population from 2000 Census
Total	46.8	1.3	20.6	8,008,278
Bronx⁴	62.4	1.7	26.1	1,327,690
Crotona – Tremont	82.2	2.2	27.3	199,530
Fordham – Bronx Park	49.9	1.5	25.4	250,491
High Bridge – Morrisania	95.4	2.5	29.8	189,755
Hunts Point – Mott Haven	102.5	2.4	28.9	122,875
Kingsbridge – Riverdale	20.2	0.6	8.9	88,989
Northeast Bronx	36.6	0.8	21.5	185,998
Pelham – Throgs Neck	44.8	1.1	23.9	290,052
Brooklyn⁴	39.5	1.0	22.8	2,465,326
Bedford/Stuyvesant – Crown Heights	76.0	1.9	24.7	317,296
Bensonhurst – Bay Ridge	9.3	0.2	33.9	194,558
Borough Park	12.0	0.3	22.5	324,411
Canarsie – Flatlands	31.3	0.6	18.2	197,819
Coney Island - Sheepshead Bay	8.7	0.4	25.0	286,901
Downtown – Heights – Park Slope	45.6	1.3	17.9	214,696
East Flatbush – Flatbush	56.2	1.3	18.4	316,734
East New York	63.3	1.4	30.4	173,716
Greenpoint	27.3	0.7	14.9	124,449
Sunset Park	23.2	0.6	19.4	120,441
Williamsburg – Bushwick	64.3	1.7	25.0	194,305
Manhattan⁴	70.5	2.0	17.6	1,529,375
Central Harlem – Morningside Heights	124.4	2.7	29.1	151,113
Chelsea – Clinton	150.4	4.5	14.4	122,998
East Harlem	105.5	2.7	26.7	108,092
Gramercy Park – Murray Hill	73.1	1.7	14.8	124,477
Greenwich Village – Soho	72.9	2.4	13.4	83,709
Lower Manhattan	38.8	1.3	9.7	30,895
Union Square – Lower East Side	44.1	1.6	15.8	197,138
Upper East Side	17.4	0.6	15.5	218,167
Upper West Side	38.3	1.4	15.2	222,109
Washington Heights – Inwood	62.8	1.3	16.1	270,677
Queens⁴	25.8	0.6	19.0	2,242,159
Bayside – Little Neck	4.5	0.1	21.5	88,164
Flushing – Clearview	6.7	0.3	20.9	255,542
Fresh Meadows	9.7	0.3	15.8	93,148
Jamaica	34.7	0.9	20.5	285,568
Long Island City – Astoria	32.1	0.7	21.4	220,960
Ridgewood – Forest Hills	11.6	0.4	17.1	240,901
Rockaway	24.4	0.8	31.1	106,738
Southeast Queens	22.1	0.5	9.9	203,670
Southwest Queens	20.4	0.5	21.9	269,952
West Queens	42.1	0.8	18.5	477,516
Staten Island⁴	14.9	0.4	29.3	443,728
Port Richmond	31.9	0.6	30.1	62,788
South Beach – Tottenville	5.0	0.2	24.7	179,892
Stapleton – St. George	22.4	0.7	28.8	116,227
Willowbrook	9.4	0.2	24.9	84,821



PWHA = Persons with HIV/AIDS. Map categories defined by neighborhood quartile.

¹ Based on data reported through September 30, 2007.

² Includes diagnoses of HIV without AIDS and HIV concurrent with AIDS.

³ Age-adjusted to the city-wide population of PWHA in 2006.

⁴ Borough-level data include persons residing in unknown UHF neighborhoods.