

What's in this report?

Highlights from 2009 1
 History of the HIV/AIDS Epidemic in New York City, 1981 – 2009 1
 HIV/AIDS Diagnoses and Deaths, January – December 2009, and PLWHA as of December 31, 2009 2
 Which HIV-related Events are Reportable?..... 2
 HIV/AIDS Diagnoses and Deaths, January – December 2009, and PLWHA as of December 31, 2009, by Sex 3
 Rates of HIV Diagnoses, PWHA, and Deaths among PWHA by United Hospital Fund (UHF) Neighborhood, New York City 2009 4

Publication schedule: This report reflects events occurring through December 31, 2009, and reported by September 30, 2010, unless otherwise stated. It represents diagnoses made through nine months prior to the publication date because case reporting is 90% 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

On September 1, 2010, New York State HIV testing law was amended. For more information: http://www.health.state.ny.us/diseases/aids/testing/hiv_testing_law.htm

HIGHLIGHTS FROM 2009

- As of September 30, 2010, **108,886** persons had been diagnosed and reported in New York City and were presumed to be living with HIV/AIDS (PLWHA). This represents an increase of **3%** from 2008, and **10%** from 2005.
- In 2009, there were **3,669** new diagnoses of HIV/AIDS in New York City:
 - **75.8%** of new diagnoses were among men, **24.2%** were among women. **43%** of new diagnoses were among men who have sex with men (MSM), while **22.4%** were among persons reporting heterosexual transmission risk. **80%** of new diagnoses were among blacks and Hispanics. Manhattan and Brooklyn had the highest proportions of new diagnoses. **116** persons (**3.2%** of cases) were newly diagnosed with HIV in the acute stage.
- Comparing 2009 with 2008:
 - The proportion of new HIV cases diagnosed concurrently with AIDS did not change (**23.4%** in both 2009 and 2008).
 - For women, the concurrent proportion decreased from **24.6%** in 2008 to **22.9%** in 2009. For Bronx residents, the concurrent proportion decreased from **26.6%** to **24.1%** from 2008 to 2009.
 - **39.6%** of PLWHA in 2009 were 50 years or older, versus **37.0%** in 2008.
 - **46.7%** of new HIV (non-AIDS) diagnoses in 2009 were among MSM, versus **46.1%** in 2008.

History of the HIV/AIDS Epidemic in New York City, 1981 – 2009

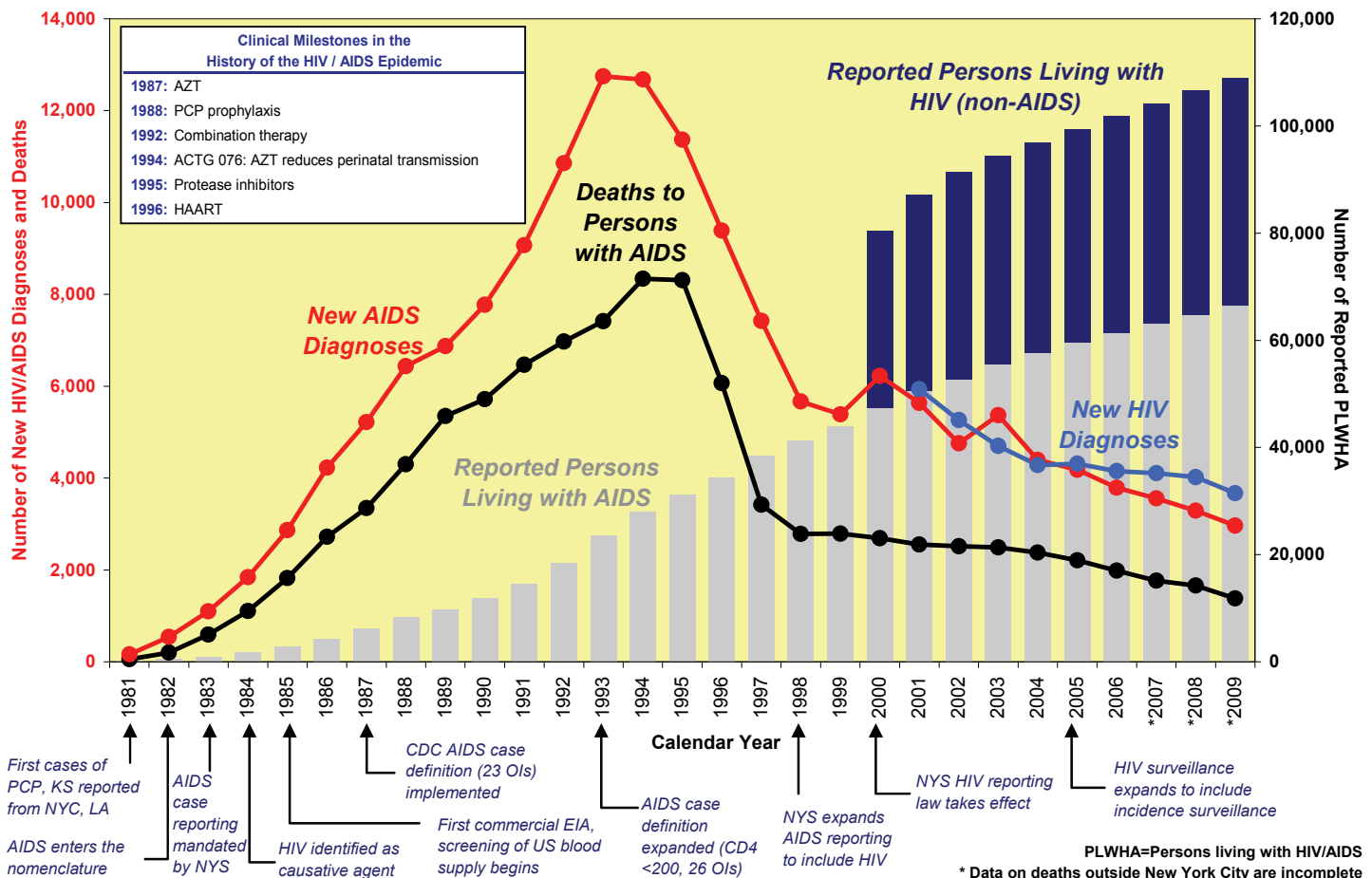


Table 1. HIV/AIDS diagnoses and deaths occurring January 1, 2009, through December 31, 2009, and persons diagnosed and reported in New York City and presumed to be living with HIV/AIDS as of December 31, 2009¹

	HIV diagnoses ¹							AIDS diagnoses ³		PLWHA as of 12/31/2009		Deaths ⁴	
	Total		Without AIDS		Concurrent with AIDS diagnosis ²			N	%	N	%	N	%
	N	%	N	%	N	%	Row %						
Total	3,669	100.0	2,810	100.0	859	100.0	23.4	2,965	100.0	108,886	100.0	1,600	100.0
Sex													
Male	2,781	75.8	2,125	75.6	656	76.4	23.6	2,104	71.0	77,013	70.7	1,058	66.1
Female	888	24.2	685	24.4	203	23.6	22.9	861	29.0	31,873	29.3	542	33.9
Race/Ethnicity⁵													
Black	1,761	48.0	1,328	47.3	433	50.4	24.6	1,498	50.5	48,764	44.8	839	52.4
Hispanic	1,175	32.0	892	31.7	283	32.9	24.1	987	33.3	35,502	32.6	568	35.5
White	611	16.7	500	17.8	111	12.9	18.2	402	13.6	22,195	20.4	176	11
Asian/Pacific Islander	107	2.9	78	2.8	29	3.4	27.1	65	2.2	1,695	1.6	7	0.4
Native American	12	0.3	9	0.3	3	0.3	25.0	12	0.4	247	0.2	8	0.5
Multiracial	3	0.1	3	0.1	0	0.0	0.0	1	0.0	46	0.0	2	0.1
Unknown	0	0.0	0	0.0	0	0.0	0.0	0	0.0	437	0.4	0	0.0
Age group (years)⁶													
0-12	11	0.3	11	0.4	0	0.0	0.0	0	0.0	403	0.4	1	0.1
13-19	161	4.4	144	5.1	17	2.0	10.6	65	2.2	1,476	1.4	4	0.3
20-29	1,031	28.1	903	32.1	128	14.9	12.4	435	14.7	7,584	7.0	38	2.4
30-39	927	25.3	722	25.7	205	23.9	22.1	702	23.7	17,116	15.7	137	8.6
40-49	922	25.1	655	23.3	267	31.1	29	992	33.5	39,170	36.0	468	29.3
50-59	452	12.3	283	10.1	169	19.7	37.4	575	19.4	30,611	28.1	598	37.4
60+	165	4.5	92	3.3	73	8.5	44.2	196	6.6	12,526	11.5	354	22.1
Borough of residence													
Bronx	754	20.6	572	20.4	182	21.2	24.1	718	24.2	23,248	21.4	452	28.3
Brooklyn	986	26.9	734	26.1	252	29.3	25.6	819	27.6	26,889	24.7	430	26.9
Manhattan	967	26.4	760	27.0	207	24.1	21.4	750	25.3	32,811	30.1	413	25.8
Queens	623	17.0	468	16.7	155	18.0	24.9	439	14.8	15,538	14.3	205	12.8
Staten Island	66	1.8	51	1.8	15	1.7	22.7	52	1.8	1,909	1.8	40	2.5
Outside NYC	268	7.3	220	7.8	48	5.6	17.9	184	6.2	8,165	7.5	58	3.6
Unknown	5	0.1	5	0.2	0	0.0	0.0	3	0.1	326	0.3	2	0.1
Transmission risk													
Men who have sex with men	1,576	43.0	1,312	46.7	264	30.7	16.8	934	31.5	35,882	33.0	235	14.7
Injection drug use history	185	5.0	135	4.8	50	5.8	27.0	354	11.9	21,202	19.5	616	38.5
Heterosexual ⁷	823	22.4	601	21.4	222	25.8	27.0	723	24.4	20,718	19.0	282	17.6
Perinatal	12	0.3	11	0.4	1	0.1	8.3	42	1.4	2,468	2.3	10	0.6
Other	0	0.0	0	0.0	0	0.0	0.0	4	0.1	268	0.2	5	0.3
Unknown	1,073	29.2	751	26.7	322	37.5	30.0	908	30.6	28,348	26.0	452	28.3
Clinical status as of 12/31/2009													
HIV (non-AIDS)	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	42,488	39.0	223	13.9
AIDS	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	66,398	61.0	1,377	86.1

PLWHA=Persons living with HIV/AIDS; n/a=Not applicable. All percents are column percents unless otherwise indicated.

¹ For events reported by September 30, 2010. 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 2009 and includes concurrent HIV/AIDS diagnosis. ⁴ Includes deaths from any cause in persons with HIV/AIDS. ⁵ For technical notes on race/ethnicity: <http://www.nyc.gov/html/doh/html/ah/hivtables.shtml#abbrev>. ⁶ For HIV and AIDS diagnoses, age at diagnosis; for PLWHA, age as of December 31, 2009; and for deaths, age at death. ⁷ Includes persons who had heterosexual sex with a person they know to be HIV-infected, an injection drug user, or a person who has received blood products. For females only, also includes history of prostitution, multiple sex partners, sexually transmitted disease, crack/cocaine use, sex with a bisexual male, probable heterosexual transmission as noted in medical chart, or sex with a male and negative history of injection drug use.

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 expanded further 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 medical providers to talk to HIV-infected patients about partner notification and report such patients' known sex or needle-sharing partners to the health department. Providers can fill in the *Medical Provider HIV/AIDS and Partner/Contact Report Form (PRF)* or call the NYC DOHMH Contact Notification Assistance Program (CNAP) at (212) 693-1419. Providers can refer HIV-infected patients to CNAP for direct assistance with partner notification.

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

http://www.nyc.gov/html/doh/html/dires/hcpreporting_how.shtml.

Table 2. HIV/AIDS diagnoses and deaths occurring January 1, 2009, through December 31, 2009, and persons diagnosed and reported in New York City and presumed to be living with HIV/AIDS as of December 31, 2009¹, by sex

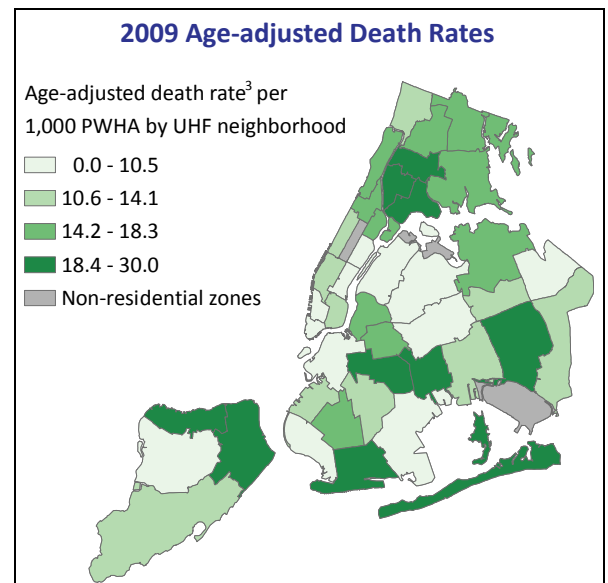
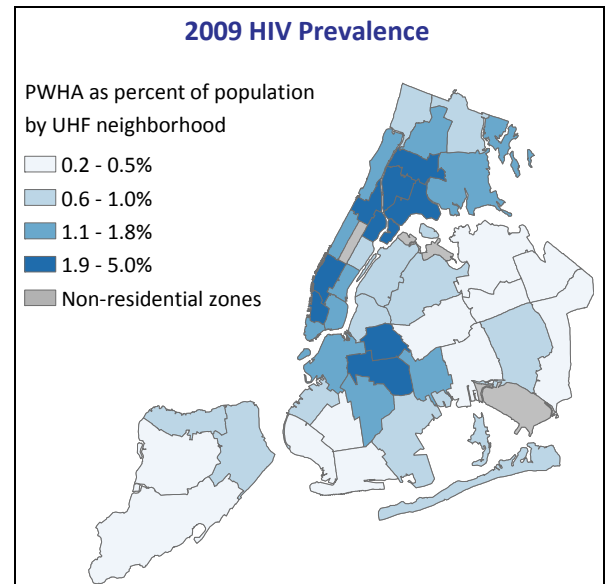
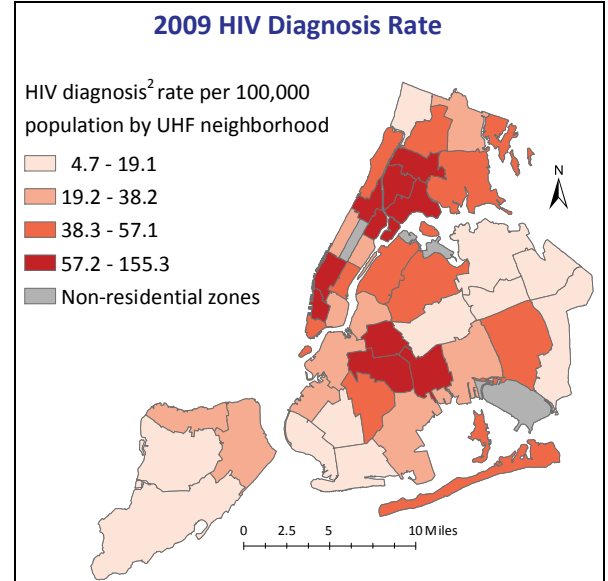
	HIV diagnoses ¹							AIDS diagnoses ³		PLWHA as of 12/31/2009		Deaths ⁴	
	Total		Without AIDS		Concurrent with AIDS diagnosis ²			N	%	N	%	N	%
	N	%	N	%	N	%	Row %						
Total (Male and Female)	3,669	100.0	2,810	100.0	859	100.0	23.4	2,965	100.0	108,886	100.0	1,600	100.0
Male	2,781	100.0	2,125	100.0	656	100.0	23.6	2,104	100.0	77,013	100.0	1,058	100.0
Race/Ethnicity⁵													
Black	1,205	43.3	898	42.3	307	46.8	25.5	967	46.0	30,228	39.3	535	50.6
Hispanic	902	32.4	682	32.1	220	33.5	24.4	711	33.8	25,137	32.6	369	34.9
White	569	20.5	468	22.0	101	15.4	17.8	364	17.3	19,738	25.6	143	13.5
Asian/Pacific Islander	94	3.4	69	3.2	25	3.8	26.6	52	2.5	1,366	1.8	6	0.6
Native American	8	0.3	5	0.2	3	0.5	37.5	9	0.4	175	0.2	3	0.3
Multiracial	3	0.1	3	0.1	0	0.0	0.0	1	0.0	33	0.0	2	0.2
Unknown	0	0.0	0	0.0	0	0.0	0.0	0	0.0	336	0.4	0	0.0
Age group (years)⁶													
0-12	4	0.1	4	0.2	0	0.0	0.0	0	0.0	193	0.3	1	0.1
13-19	121	4.4	109	5.1	12	1.8	9.9	36	1.7	750	1.0	0	0.0
20-29	874	31.4	762	35.9	112	17.1	12.8	353	16.8	5,449	7.1	23	2.2
30-39	715	25.7	550	25.9	165	25.2	23.1	508	24.1	11,755	15.3	82	7.8
40-49	669	24.1	460	21.6	209	31.9	31.2	690	32.8	27,465	35.7	281	26.6
50-59	294	10.6	180	8.5	114	17.4	38.8	387	18.4	21,977	28.5	408	38.6
60+	104	3.7	60	2.8	44	6.7	42.3	130	6.2	9,424	12.2	263	24.9
Borough of residence													
Bronx	493	17.7	370	17.4	123	18.8	24.9	439	20.9	13,966	18.1	274	25.9
Brooklyn	712	25.6	525	24.7	187	28.5	26.3	565	26.9	17,119	22.2	279	26.4
Manhattan	815	29.3	643	30.3	172	26.2	21.1	600	28.5	26,677	34.6	300	28.4
Queens	484	17.4	362	17.0	122	18.6	25.2	324	15.4	11,044	14.3	137	12.9
Staten Island	43	1.5	33	1.6	10	1.5	23.3	33	1.6	1,225	1.6	25	2.4
Outside NYC	231	8.3	189	8.9	42	6.4	18.2	140	6.7	6,737	8.7	41	3.9
Unknown	3	0.1	3	0.1	0	0.0	0.0	3	0.1	245	0.3	2	0.2
Transmission risk													
Men who have sex with men	1,576	56.7	1,312	61.7	264	40.2	16.8	934	44.4	35,882	46.6	235	22.2
Injection drug use history	128	4.6	89	4.2	39	5.9	30.5	252	12.0	15,051	19.5	427	40.4
Heterosexual ⁷	202	7.3	126	5.9	76	11.6	37.6	206	9.8	5,637	7.3	80	7.6
Perinatal	4	0.1	4	0.2	0	0.0	0.0	17	0.8	1,202	1.6	3	0.3
Other	0	0.0	0	0.0	0	0.0	0.0	3	0.1	138	0.2	4	0.4
Unknown	871	31.3	594	28.0	277	42.2	31.8	692	32.9	19,103	24.8	309	29.2
Clinical status as of 12/31/2009													
HIV (non-AIDS)	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	29,771	38.7	147	13.9
AIDS	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	47,242	61.3	911	86.1
Female	888	100.0	685	100.0	203	100.0	22.9	861	100.0	31,873	100.0	542	100.0
Race/Ethnicity⁵													
Black	556	62.6	430	62.8	126	62.1	22.7	531	61.7	18,536	58.2	304	56.1
Hispanic	273	30.7	210	30.7	63	31.0	23.1	276	32.1	10,365	32.5	199	36.7
White	42	4.7	32	4.7	10	4.9	23.8	38	4.4	2,457	7.7	33	6.1
Asian/Pacific Islander	13	1.5	9	1.3	4	2.0	30.8	13	1.5	329	1.0	1	0.2
Native American	4	0.5	4	0.6	0	0.0	0.0	3	0.3	72	0.2	5	0.9
Multiracial	0	0.0	0	0.0	0	0.0	0.0	0	0.0	13	0.0	0	0.0
Unknown	0	0.0	0	0.0	0	0.0	0.0	0	0.0	101	0.3	0	0.0
Age group (years)⁶													
0-12	7	0.8	7	1.0	0	0.0	0.0	0	0.0	210	0.7	0	0.0
13-19	40	4.5	35	5.1	5	2.5	12.5	29	3.4	726	2.3	4	0.7
20-29	157	17.7	141	20.6	16	7.9	10.2	82	9.5	2,135	6.7	15	2.8
30-39	212	23.9	172	25.1	40	19.7	18.9	194	22.5	5,361	16.8	55	10.1
40-49	253	28.5	195	28.5	58	28.6	22.9	302	35.1	11,705	36.7	187	34.5
50-59	158	17.8	103	15.0	55	27.1	34.8	188	21.8	8,634	27.1	190	35.1
60+	61	6.9	32	4.7	29	14.3	47.5	66	7.7	3,102	9.7	91	16.8
Borough of residence													
Bronx	261	29.4	202	29.5	59	29.1	22.6	279	32.4	9,282	29.1	178	32.8
Brooklyn	274	30.9	209	30.5	65	32.0	23.7	254	29.5	9,770	30.7	151	27.9
Manhattan	152	17.1	117	17.1	35	17.2	23.0	150	17.4	6,134	19.2	113	20.8
Queens	139	15.7	106	15.5	33	16.3	23.7	115	13.4	4,494	14.1	68	12.5
Staten Island	23	2.6	18	2.6	5	2.5	21.7	19	2.2	684	2.1	15	2.8
Outside NYC	37	4.2	31	4.5	6	3.0	16.2	44	5.1	1,428	4.5	17	3.1
Unknown	2	0.2	2	0.3	0	0.0	0.0	0	0.0	81	0.3	0	0.0
Transmission risk													
Injection drug use history	57	6.4	46	6.7	11	5.4	19.3	102	11.8	6,151	19.3	189	34.9
Heterosexual ⁷	621	69.9	475	69.3	146	71.9	23.5	517	60.0	15,081	47.3	202	37.3
Perinatal	8	0.9	7	1.0	1	0.5	12.5	25	2.9	1,266	4.0	7	1.3
Other	0	0.0	0	0.0	0	0.0	0.0	1	0.1	130	0.4	1	0.2
Unknown	202	22.7	157	22.9	45	22.2	22.3	216	25.1	9,245	29.0	143	26.4
Clinical status as of 12/31/2009													
HIV (non-AIDS)	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	12,717	39.9	76	14.0
AIDS	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	19,156	60.1	466	86.0

PLWHA=Persons living with HIV/AIDS; n/a=Not applicable. All percents are column percents unless otherwise indicated.

Footnotes appear at the bottom of Table 1.

Rates of HIV diagnoses, PWHA, and deaths among PWHA by United Hospital Fund (UHF) neighborhood, New York City 2009¹

	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	45.8	1.4	14.5	8,008,278
Bronx⁴	56.8	1.8	19.4	1,327,690
Crotona – Tremont	81.7	2.3	19.6	199,530
Fordham – Bronx Park	48.3	1.7	18.3	250,491
High Bridge – Morrisania	89.6	2.6	22.2	189,755
Hunts Point – Mott Haven	84.6	2.6	21.2	122,875
Kingsbridge – Riverdale	19.1	0.6	14.1*	88,989
Northeast Bronx	34.9	0.9	16.2	185,998
Pelham – Throgs Neck	38.6	1.2	17.8	290,052
Brooklyn⁴	40.0	1.1	16.0	2,465,326
Bedford/Stuyvesant – Crown Heights	70.0	2.1	19.7	317,296
Bensonhurst – Bay Ridge	8.7	0.3	8.7*	194,558
Borough Park	12.0	0.3	14.6	324,411
Canarsie – Flatlands	35.9	0.7	10.5	197,819
Coney Island – Sheepshead Bay	11.2	0.4	25.0	286,901
Downtown – Heights – Park Slope	38.2	1.4	10.5	214,696
East Flatbush – Flatbush	57.1	1.4	13.9	316,734
East New York	69.7	1.5	19.6	173,716
Greenpoint	33.7	0.8	15.2	124,449
Sunset Park	21.6	0.7	11.9*	120,441
Williamsburg – Bushwick	75.1	1.9	17.8	194,305
Manhattan⁴	63.2	2.2	12.1	1,529,375
Central Harlem – Morningside Heights	127.1	3.0	17.8	151,113
Chelsea – Clinton	155.3	5.0	10.8	122,998
East Harlem	84.2	2.9	15.7	108,092
Gramercy Park – Murray Hill	53.0	1.8	9.4	124,477
Greenwich Village – SoHo	57.3	2.6	6.2	83,709
Lower Manhattan	48.6	1.5	4.9*	30,895
Union Square – Lower East Side	37.5	1.7	14.1	197,138
Upper East Side	23.4	0.7	6.9	218,167
Upper West Side	32.9	1.5	11.9	222,109
Washington Heights – Inwood	56.9	1.5	14.9	270,677
Queens⁴	27.8	0.7	13.4	2,242,159
Bayside – Little Neck	5.7	0.2	0.0*	88,164
Flushing – Clearview	8.6	0.3	14.3*	255,542
Fresh Meadows	11.8	0.3	10.6*	93,148
Jamaica	42.4	1.0	20.3	285,568
Long Island City – Astoria	43.4	0.8	9.8	220,960
Ridgewood – Forest Hills	13.7	0.4	9.7*	240,901
Rockaway	38.4	0.8	22.9	106,738
Southeast Queens	19.1	0.5	11.4	203,670
Southwest Queens	20.4	0.5	14.1	269,952
West Queens	39.8	1.0	10.4	477,516
Staten Island⁴	14.9	0.4	21.0	443,728
Port Richmond	38.2	0.7	30.0	62,788
South Beach – Tottenville	5.0	0.2	12.1*	179,892
Stapleton – St. George	25.0	0.7	20.2	116,227
Willowbrook	4.7	0.2	7.4*	84,821



PWHA=Persons with HIV/AIDS alive at any time January 1, 2009 – December 31, 2009. Map categories defined by neighborhood quartile. Rates based on numerators ≤ 10 are marked with an asterisk (*) and should be interpreted with caution.

¹ Based on data reported through September 30, 2010.

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

³ Age-adjusted to the citywide population of PWHA in 2009.

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