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**Publication schedule:** This report reflects events occurring through December 31, 2010, and reported by September 30, 2011, unless otherwise stated. It represents diagnoses made through nine months prior to the publication date. 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](mailto: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>

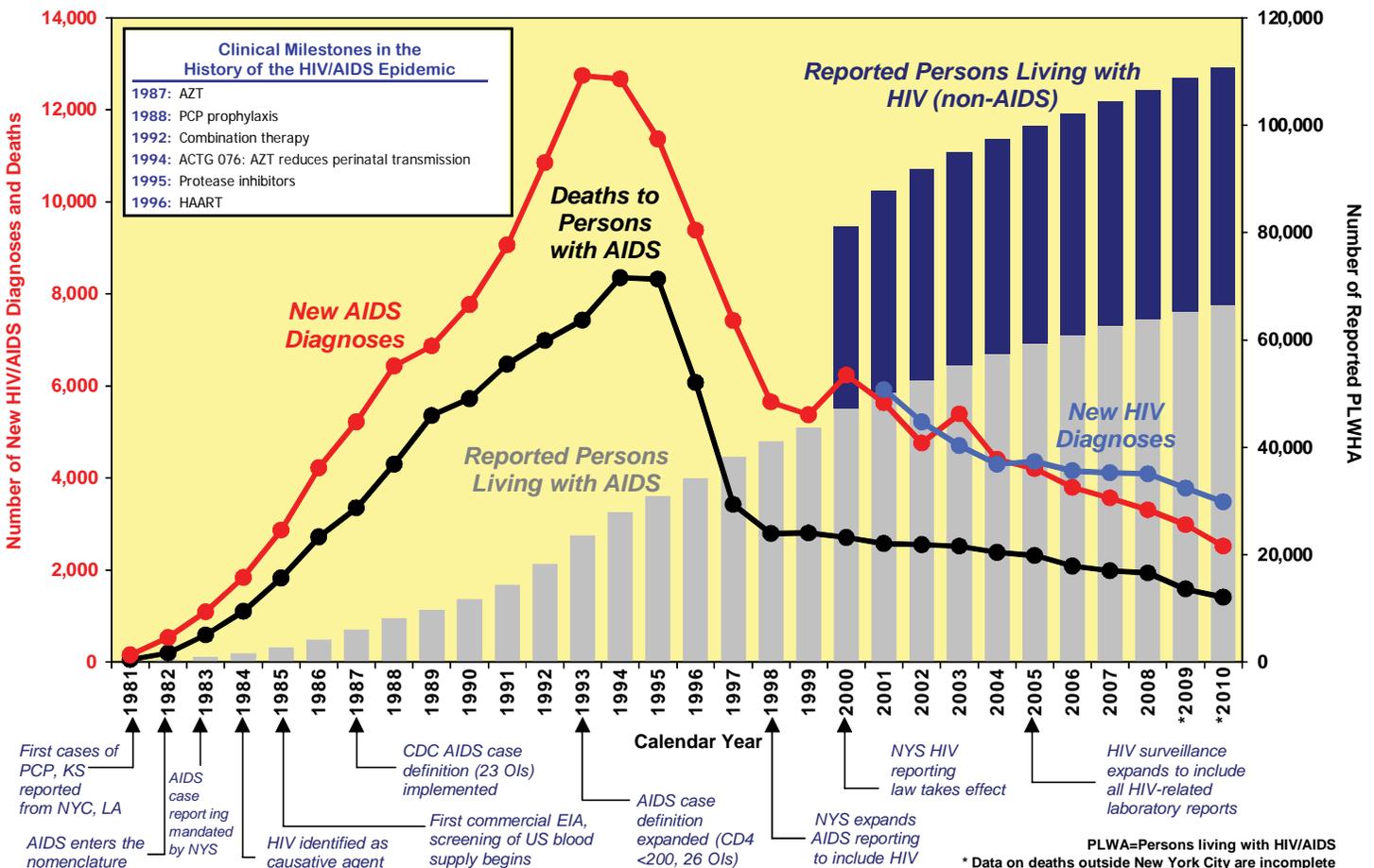
**HIV Epidemiology and Field Services Program**  
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On September 1, 2010, New York State HIV testing law was amended. For more information: [http://www.health.state.ny.us/diseases/aids/testing/hiv\\_testing\\_law.htm](http://www.health.state.ny.us/diseases/aids/testing/hiv_testing_law.htm)

## HIGHLIGHTS FROM 2010

- As of September 30, 2011, **110,736** 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 **1.7%** from 2009, and **12%** from 2006.
- In 2010, there were **3,481** new diagnoses of HIV/AIDS in New York City:
  - **76.6%** of new diagnoses were among men, and **23.4%** were among women. **48.3%** of new diagnoses were among men who have sex with men (MSM), while **21.4%** were among persons reporting heterosexual transmission risk. **78.6%** of new diagnoses were among blacks and Hispanics. Manhattan and Brooklyn had the highest proportions of new diagnoses. **177** persons (**5.1%** of cases) were newly diagnosed with HIV in the acute stage of infection.
- Comparing 2010 with previous years:
  - New diagnoses declined **8%** (from **3,782** to **3,481**) between 2009 and 2010; new diagnoses have declined **16%** since 2006.
  - Deaths from all causes declined **9%** (from **1,871** to **1,695**) between 2009 and 2010; deaths from all causes have declined **30%** since 2006.
  - The proportion of new HIV cases diagnosed concurrently with AIDS remained stable between 2009 and 2010 (**21%** in 2009 and **21.8%** in 2010).
  - **52.1%** of new HIV (non-AIDS) diagnoses in 2010 were among MSM versus **47.4%** in 2009.

## History of the HIV/AIDS Epidemic in New York City, 1981–2010



**Table 1. HIV/AIDS diagnoses and deaths occurring January 1, 2010, through December 31, 2010, and persons diagnosed and reported in New York City and presumed to be living with HIV/AIDS as of December 31, 2010<sup>1</sup>**

	HIV diagnoses <sup>1</sup>							AIDS diagnoses <sup>3</sup>		PLWHA as of 12/31/2010		Deaths <sup>4</sup>	
	Total		Without AIDS		Concurrent with AIDS diagnosis <sup>2</sup>			N	%	N	%	N	%
	N	%	N	%	N	%	Row %						
<b>Total</b>	<b>3,481</b>	<b>100.0</b>	<b>2,722</b>	<b>100.0</b>	<b>759</b>	<b>100.0</b>	<b>21.8</b>	<b>2,520</b>	<b>100.0</b>	<b>110,736</b>	<b>100.0</b>	<b>1,695</b>	<b>100.0</b>
<b>Sex</b>													
Male	2,668	76.6	2,096	77.0	572	75.4	21.4	1,809	71.8	78,663	71.0	1,199	70.7
Female	813	23.4	626	23.0	187	24.6	23.0	711	28.2	32,073	29.0	496	29.3
<b>Race/Ethnicity<sup>5</sup></b>													
Black	1,661	47.7	1,273	46.8	388	51.1	23.4	1,322	52.5	49,530	44.7	880	51.9
Hispanic	1,076	30.9	851	31.3	225	29.6	20.9	786	31.2	36,021	32.5	577	34.0
White	638	18.3	516	19.0	122	16.1	19.1	367	14.6	22,656	20.5	220	13.0
Asian/Pacific Islander	95	2.7	72	2.6	23	3.0	24.2	41	1.6	1,808	1.6	13	0.8
Native American	6	0.2	5	0.2	1	0.1	16.7	3	0.1	256	0.2	4	0.2
Multiracial	5	0.1	5	0.2	0	0.0	0.0	1	0.0	50	0.0	1	0.1
Unknown	0	0.0	0	0.0	0	0.0	0.0	0	0.0	415	0.4	0	0.0
<b>Age group (years)<sup>6</sup></b>													
0-12	9	0.3	8	0.3	1	0.1	11.1	2	0.1	321	0.3	0	0.0
13-19	135	3.9	114	4.2	21	2.8	15.6	63	2.5	1,336	1.2	4	0.2
20-29	1,076	30.9	951	34.9	125	16.5	11.6	422	16.7	8,051	7.3	26	1.5
30-39	840	24.1	667	24.5	173	22.8	20.6	584	23.2	16,568	15.0	118	7.0
40-49	791	22.7	585	21.5	206	27.1	26.0	770	30.6	38,242	34.5	461	27.2
50-59	447	12.8	284	10.4	163	21.5	36.5	498	19.8	32,153	29.0	650	38.3
60+	183	5.3	113	4.2	70	9.2	38.3	181	7.2	14,065	12.7	436	25.7
<b>Borough of residence</b>													
Bronx	694	19.9	536	19.7	158	20.8	22.8	602	23.9	23,362	21.1	416	24.5
Brooklyn	904	26.0	665	24.4	239	31.5	26.4	760	30.2	27,087	24.5	528	31.2
Manhattan	935	26.9	771	28.3	164	21.6	17.5	543	21.5	33,104	29.9	430	25.4
Queens	565	16.2	429	15.8	136	17.9	24.1	377	15.0	15,824	14.3	195	11.5
Staten Island	57	1.6	40	1.5	17	2.2	29.8	55	2.2	1,900	1.7	48	2.8
Outside NYC	309	8.9	264	9.7	45	5.9	14.6	157	6.2	8,692	7.8	69	4.1
Unknown	17	0.5	17	0.6	0	0.0	0.0	26	1.0	767	0.7	9	0.5
<b>Transmission risk</b>													
Men who have sex with men	1,683	48.3	1,419	52.1	264	34.8	15.7	856	34.0	37,720	34.1	274	16.2
Injection drug use history	164	4.7	128	4.7	36	4.7	22.0	280	11.1	20,505	18.5	636	37.5
Heterosexual <sup>7</sup>	745	21.4	539	19.8	206	27.1	27.7	612	24.3	21,253	19.2	309	18.2
Perinatal	12	0.3	8	0.3	4	0.5	33.3	40	1.6	2,477	2.2	8	0.5
Other	0	0.0	0	0.0	0	0.0	0.0	0	0.0	247	0.2	9	0.5
Unknown	877	25.2	628	23.1	249	32.8	28.4	732	29.0	28,534	25.8	459	27.1
<b>Clinical status as of 12/31/2010</b>													
HIV (non-AIDS)	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	44,317	40.0	282	16.6
AIDS	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	66,419	60.0	1,413	83.4

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

<sup>1</sup> For events reported by September 30, 2011. <sup>2</sup> 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. <sup>3</sup> AIDS was diagnosed in 2010 and includes concurrent HIV/AIDS diagnosis. <sup>4</sup> Includes deaths from any cause in persons with HIV/AIDS. <sup>5</sup> For technical notes on race/ethnicity: <http://www.nyc.gov/html/doh/html/ah/hivtables.shtml#abbrev>. <sup>6</sup> For HIV and AIDS diagnoses, age at diagnosis; for PLWHA, age as of December 31, 2010; and for deaths, age at death. <sup>7</sup> 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](http://www.nyc.gov/html/doh/html/dires/hcpreporting_how.shtml).

**Table 2. HIV/AIDS diagnoses and deaths occurring January 1, 2010, through December 31, 2010, and persons diagnosed and reported in New York City and presumed to be living with HIV/AIDS as of December 31, 2010<sup>1</sup>, by sex**

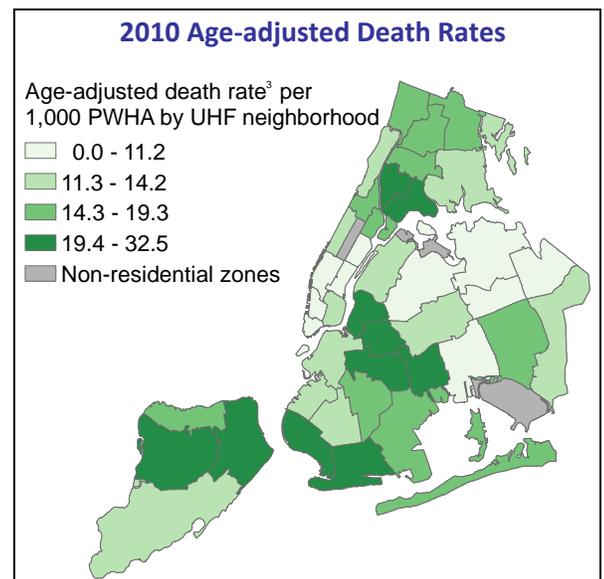
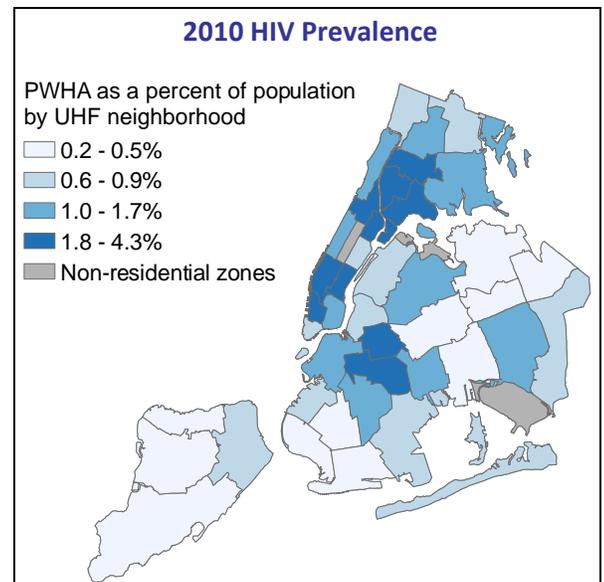
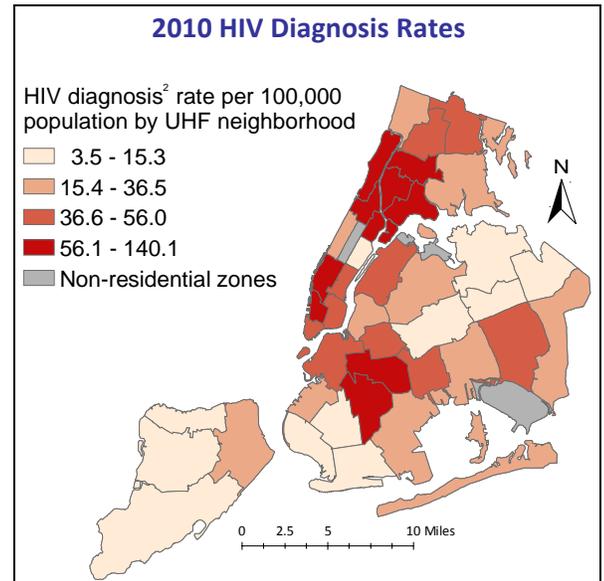
	HIV diagnoses <sup>1</sup>							AIDS diagnoses <sup>3</sup>		PLWHA as of 12/31/2010		Deaths <sup>4</sup>	
	Total		Without AIDS		Concurrent with AIDS diagnosis <sup>2</sup>			N	%	N	%	N	%
	N	%	N	%	N	%	Row %						
<b>Total (Male and Female)</b>	<b>3,481</b>	<b>100.0</b>	<b>2,722</b>	<b>100.0</b>	<b>759</b>	<b>100.0</b>	<b>21.8</b>	<b>2,520</b>	<b>100.0</b>	<b>110,736</b>	<b>100.0</b>	<b>1,695</b>	<b>100.0</b>
<b>Male</b>	<b>2,668</b>	<b>100.0</b>	<b>2,096</b>	<b>100.0</b>	<b>572</b>	<b>100.0</b>	<b>21.4</b>	<b>1,809</b>	<b>100.0</b>	<b>78,663</b>	<b>100.0</b>	<b>1,199</b>	<b>100.0</b>
<b>Race/Ethnicity<sup>5</sup></b>													
Black	1,144	42.9	884	42.2	260	45.5	22.7	862	47.7	30,860	39.2	596	49.7
Hispanic	843	31.6	665	31.7	178	31.1	21.1	577	31.9	25,593	32.5	421	35.1
White	591	22.2	479	22.9	112	19.6	19.0	330	18.2	20,202	25.7	173	14.4
Asian/Pacific Islander	82	3.1	61	2.9	21	3.7	25.6	37	2.0	1,470	1.9	7	0.6
Native American	3	0.1	2	0.1	1	0.2	33.3	2	0.1	183	0.2	1	0.1
Multiracial	5	0.2	5	0.2	0	0.0	0.0	1	0.1	37	0.0	1	0.1
Unknown	0	0.0	0	0.0	0	0.0	0.0	0	0.0	318	0.4	0	0.0
<b>Age group (years)<sup>6</sup></b>													
0-12	5	0.2	5	0.2	0	0.0	0.0	1	0.1	159	0.2	0	0.0
13-19	101	3.8	86	4.1	15	2.6	14.9	40	2.2	669	0.9	3	0.3
20-29	915	34.3	810	38.6	105	18.4	11.5	345	19.1	5,934	7.5	22	1.8
30-39	658	24.7	523	25.0	135	23.6	20.5	416	23.0	11,523	14.6	80	6.7
40-49	572	21.4	423	20.2	149	26.0	26.0	532	29.4	26,874	34.2	299	24.9
50-59	291	10.9	176	8.4	115	20.1	39.5	344	19.0	22,968	29.2	463	38.6
60+	126	4.7	73	3.5	53	9.3	42.1	131	7.2	10,536	13.4	332	27.7
<b>Borough of residence</b>													
Bronx	465	17.4	361	17.2	104	18.2	22.4	383	21.2	14,031	17.8	297	24.8
Brooklyn	642	24.1	474	22.6	168	29.4	26.2	513	28.4	17,357	22.1	345	28.8
Manhattan	808	30.3	665	31.7	143	25.0	17.7	454	25.1	27,017	34.3	333	27.8
Queens	430	16.1	327	15.6	103	18.0	24.0	275	15.2	11,262	14.3	136	11.3
Staten Island	45	1.7	30	1.4	15	2.6	33.3	42	2.3	1,231	1.6	32	2.7
Outside NYC	263	9.9	224	10.7	39	6.8	14.8	129	7.1	7,196	9.1	50	4.2
Unknown	15	0.6	15	0.7	0	0.0	0.0	13	0.7	569	0.7	6	0.5
<b>Transmission risk</b>													
Men who have sex with men	1,683	63.1	1,419	67.7	264	46.2	15.7	856	47.3	37,720	48.0	274	22.9
Injection drug use history	125	4.7	92	4.4	33	5.8	26.4	200	11.1	14,533	18.5	483	40.3
Heterosexual <sup>7</sup>	145	5.4	93	4.4	52	9.1	35.9	162	9.0	5,669	7.2	98	8.2
Perinatal	6	0.2	5	0.2	1	0.2	16.7	14	0.8	1,208	1.5	4	0.3
Other	0	0.0	0	0.0	0	0.0	0.0	0	0.0	125	0.2	4	0.3
Unknown	709	26.6	487	23.2	222	38.8	31.3	577	31.9	19,408	24.7	336	28.0
<b>Clinical status as of 12/31/2010</b>													
HIV (non-AIDS)	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	31,401	39.9	202	16.8
AIDS	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	47,262	60.1	997	83.2
<b>Female</b>	<b>813</b>	<b>100.0</b>	<b>626</b>	<b>100.0</b>	<b>187</b>	<b>100.0</b>	<b>23.0</b>	<b>711</b>	<b>100.0</b>	<b>32,073</b>	<b>100.0</b>	<b>496</b>	<b>100.0</b>
<b>Race/Ethnicity<sup>5</sup></b>													
Black	517	63.6	389	62.1	128	68.4	24.8	460	64.7	18,670	58.2	284	57.3
Hispanic	233	28.7	186	29.7	47	25.1	20.2	209	29.4	10,428	32.5	156	31.5
White	47	5.8	37	5.9	10	5.3	21.3	37	5.2	2,454	7.7	47	9.5
Asian/Pacific Islander	13	1.6	11	1.8	2	1.1	15.4	4	0.6	338	1.1	6	1.2
Native American	3	0.4	3	0.5	0	0.0	0.0	1	0.1	73	0.2	3	0.6
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	97	0.3	0	0.0
<b>Age group (years)<sup>6</sup></b>													
0-12	4	0.5	3	0.5	1	0.5	25.0	1	0.1	162	0.5	0	0.0
13-19	34	4.2	28	4.5	6	3.2	17.6	23	3.2	667	2.1	1	0.2
20-29	161	19.8	141	22.5	20	10.7	12.4	77	10.8	2,117	6.6	4	0.8
30-39	182	22.4	144	23.0	38	20.3	20.9	168	23.6	5,045	15.7	38	7.7
40-49	219	26.9	162	25.9	57	30.5	26.0	238	33.5	11,368	35.4	162	32.7
50-59	156	19.2	108	17.3	48	25.7	30.8	154	21.7	9,185	28.6	187	37.7
60+	57	7.0	40	6.4	17	9.1	29.8	50	7.0	3,529	11.0	104	21.0
<b>Borough of residence</b>													
Bronx	229	28.2	175	28.0	54	28.9	23.6	219	30.8	9,331	29.1	119	24.0
Brooklyn	262	32.2	191	30.5	71	38.0	27.1	247	34.7	9,730	30.3	183	36.9
Manhattan	127	15.6	106	16.9	21	11.2	16.5	89	12.5	6,087	19.0	97	19.6
Queens	135	16.6	102	16.3	33	17.6	24.4	102	14.3	4,562	14.2	59	11.9
Staten Island	12	1.5	10	1.6	2	1.1	16.7	13	1.8	669	2.1	16	3.2
Outside NYC	46	5.7	40	6.4	6	3.2	13.0	28	3.9	1,496	4.7	19	3.8
Unknown	2	0.2	2	0.3	0	0.0	0.0	13	1.8	198	0.6	3	0.6
<b>Transmission risk</b>													
Injection drug use history	39	4.8	36	5.8	3	1.6	7.7	80	11.3	5,972	18.6	153	30.8
Heterosexual <sup>7</sup>	600	73.8	446	71.2	154	82.4	25.7	450	63.3	15,584	48.6	211	42.5
Perinatal	6	0.7	3	0.5	3	1.6	50.0	26	3.7	1,269	4.0	4	0.8
Other	0	0.0	0	0.0	0	0.0	0.0	0	0.0	122	0.4	5	1.0
Unknown	168	20.7	141	22.5	27	14.4	16.1	155	21.8	9,126	28.5	123	24.8
<b>Clinical status as of 12/31/2010</b>													
HIV (non-AIDS)	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	12,916	40.3	80	16.1
AIDS	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	19,157	59.7	416	83.9

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 2010<sup>1</sup>

	HIV diagnoses <sup>2</sup> per 100,000 population	Reported PWHA as percent of population	Age-adjusted death rate per 1,000 PWHA <sup>3</sup>	Population from 2010 Census
<b>Total</b>	<b>42.6</b>	<b>1.4</b>	<b>15.1</b>	<b>8,175,133</b>
<b>Bronx<sup>4</sup></b>	<b>50.2</b>	<b>1.7</b>	<b>17.9</b>	<b>1,382,480</b>
Crotona – Tremont	62.1	2.2	18.8	206,116
Fordham – Bronx Park	53.8	1.7	14.7	252,655
High Bridge – Morrisania	58.8	2.4	22.5	207,631
Hunts Point – Mott Haven	71.0	2.3	19.5	136,591
Kingsbridge – Riverdale	23.1	0.6	15.9*	90,892
Northeast Bronx	41.4	0.9	17.0	190,668
Pelham – Throgs Neck	36.6	1.2	12.7	297,927
<b>Brooklyn<sup>4</sup></b>	<b>36.1</b>	<b>1.1</b>	<b>19.5</b>	<b>2,504,700</b>
Bedford/Stuyvesant – Crown Heights	69.0	2.1	22.6	318,898
Bensonhurst – Bay Ridge	4.0*	0.3	26.5	199,271
Borough Park	9.9	0.3	11.4	331,983
Canarsie – Flatlands	34.4	0.7	14.7	195,027
Coney Island – Sheepshead Bay	13.0	0.4	22.4	285,502
Downtown – Heights – Park Slope	37.5	1.4	12.6	224,199
East Flatbush – Flatbush	59.3	1.5	15.6	296,583
East New York	55.4	1.4	23.7	187,855
Greenpoint	18.1	0.8	23.6	127,051
Sunset Park	25.8	0.6	11.5*	127,863
Williamsburg – Bushwick	56.1	1.7	24.7	210,468
<b>Manhattan<sup>4</sup></b>	<b>59.3</b>	<b>2.1</b>	<b>12.3</b>	<b>1,577,279</b>
Central Harlem – Morningside Heights	98.4	2.8	17.8	162,652
Chelsea – Clinton	140.1	4.3	7.2	144,896
East Harlem	77.3	2.8	18.2	109,972
Gramercy Park – Murray Hill	47.6	1.7	9.2	134,520
Greenwich Village – SoHo	66.9	2.7	11.0	83,749
Lower Manhattan	45.1	0.9	5.7*	53,159
Union Square – Lower East Side	38.7	1.7	14.3	198,781
Upper East Side	15.4	0.7	10.1	220,962
Upper West Side	30.9	1.5	12.6	220,080
Washington Heights – Inwood	58.8	1.7	13.7	248,508
<b>Queens<sup>4</sup></b>	<b>25.3</b>	<b>0.7</b>	<b>12.7</b>	<b>2,235,260</b>
Bayside – Little Neck	4.5*	0.2	9.9*	87,972
Flushing – Clearview	4.6	0.3	11.3*	259,767
Fresh Meadows	8.3*	0.3	0.0*	96,831
Jamaica	41.1	1.0	19.3	289,314
Long Island City – Astoria	39.6	0.9	11.4	204,715
Ridgewood – Forest Hills	12.6	0.4	12.4	245,746
Rockaway	36.5	0.8	17.8	114,978
Southeast Queens	21.7	0.6	13.6	189,171
Southwest Queens	22.2	0.5	9.7	266,265
West Queens	34.1	1.0	9.3	480,501
<b>Staten Island<sup>4</sup></b>	<b>12.2</b>	<b>0.4</b>	<b>25.0</b>	<b>468,730</b>
Port Richmond	12.8*	0.6	16.3*	70,387
South Beach – Tottenville	8.5	0.2	11.6*	189,185
Stapleton – St. George	23.5	0.7	32.5	123,648
Willowbrook	3.5*	0.2	25.8*	85,510



PWHA=Persons with HIV/AIDS alive at any time January 1, 2010 – December 31, 2010. Map categories defined by neighborhood quartile. Rates based on numerators  $\leq 10$  are marked with an asterisk (\*) and should be interpreted with caution.

<sup>1</sup> Based on data reported through September 30, 2011.

<sup>2</sup> Includes diagnoses of HIV without AIDS and HIV concurrent with AIDS.

<sup>3</sup> Age-adjusted to the citywide population of PWHA in 2010.

<sup>4</sup> Borough-level data include persons residing in unknown UHF neighborhoods.