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Publication schedule: This report reflects events occurring through December 31, 2008, and reported by September 30, 2009, 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

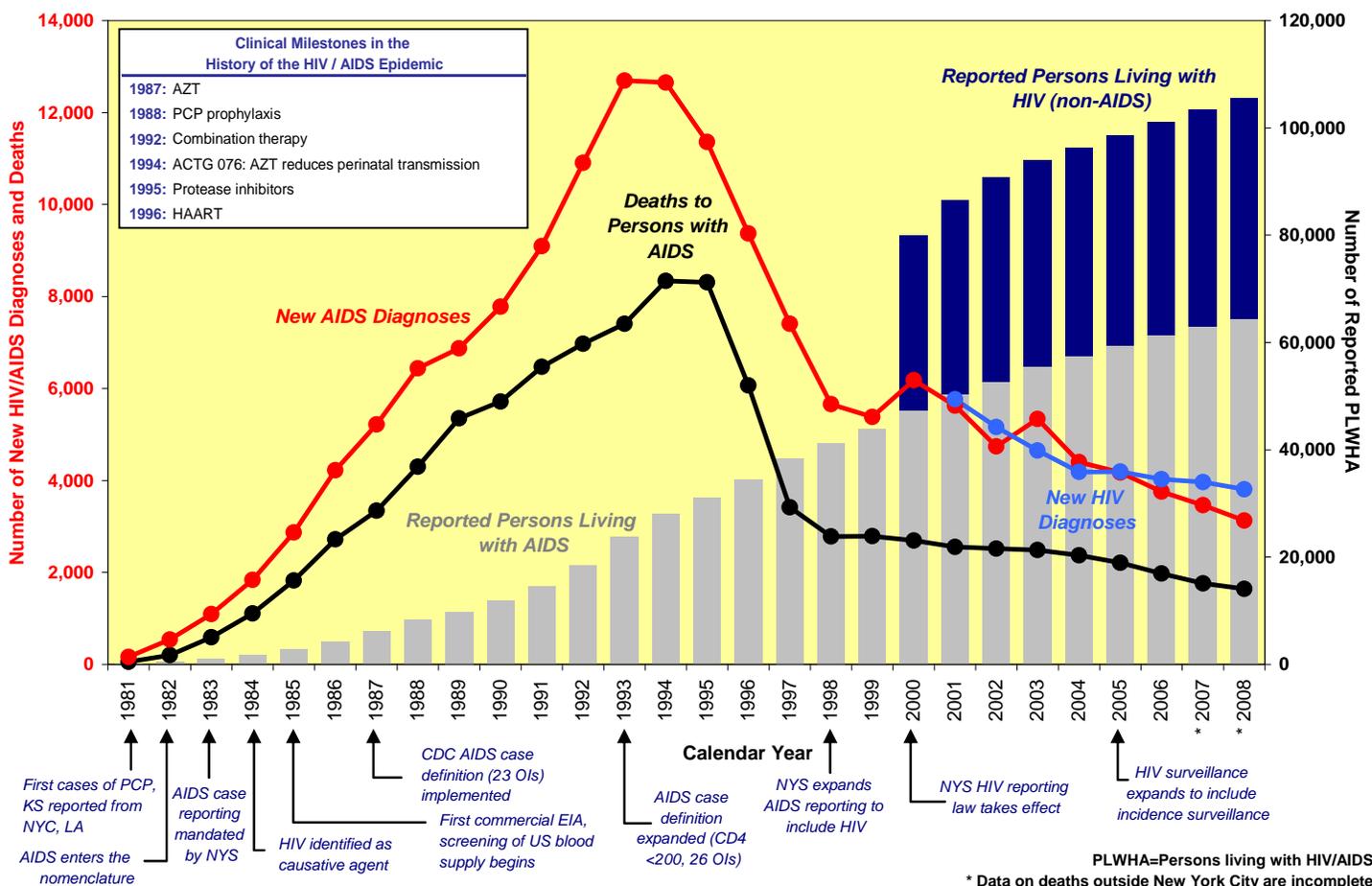
For electronic versions of this and other HIV-related reports, visit: <http://www.nyc.gov/html/doh/html/dires/hivepi.shtml>

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HIGHLIGHTS FROM 2008

- As of December 31, 2008, **105,633** persons had been diagnosed and reported in New York City and were presumed to be living with HIV/AIDS (PLWHA).
- Important trends include:
 - Males comprise an increasing proportion of new HIV diagnoses. The proportion of new diagnoses in males rose from **68%** in 2003 to **75%** in 2008. Among newly diagnosed males, the proportion of men who have sex with men (MSM) rose from **47%** in 2003 to **56%** in 2008.
 - Among men aged 13-29 years, new diagnoses increased by **27%** between 2003 and 2008. Three-quarters of new diagnoses among young men in 2008 were MSM.
 - Minorities continue to be disproportionately affected by HIV/AIDS: **>80%** of new HIV/AIDS diagnoses in 2008 were among blacks and Hispanics.
 - PLWHA are aging. The proportion of PLWHA aged \geq 50 years rose from **25%** in 2003 to **37%** in 2008.
- **25%** of new cases in 2008 were diagnosed concurrently with AIDS. Among persons aged \geq 50 years, the proportion of concurrent diagnoses was **37%**.
- In our initial year of acute HIV infection (AHI) surveillance, **76 (1.9%)** of **3,809** newly diagnosed persons were diagnosed in the acute stage. **76%** were MSM.
- This is our first report to include the race/ethnicity category "multiracial." This category represents persons reporting two or more races. Technical notes on race/ethnicity can be found at: <http://www.nyc.gov/html/doh/html/ah/hivtables.shtml#abbrev>

History of the HIV/AIDS Epidemic in New York City, 1981 – 2008



HIV/AIDS diagnoses and deaths occurring January 1, 2008, through December 31, 2008, and persons diagnosed and reported in New York City and presumed to be living with HIV/AIDS as of December 31, 2008¹

	HIV diagnoses 1/1/2008–12/31/2008 ¹							AIDS diagnoses 1/1/2008–12/31/2008 ³		PLWHA as of 12/31/2008		Deaths ⁴ 1/1/2008–12/31/2008	
	Total		Without AIDS		Concurrent with AIDS diagnosis ²			N	%	N	%	N	%
	N	%	N	%	N	%	Row %						
Total	3,809	100.0	2,871	100.0	938	100.0	24.6	3,126	100.0	105,633	100.0	1,920	100.0
Sex													
Male	2,866	75.2	2,164	75.4	702	74.8	24.5	2,212	70.8	74,271	70.3	1,269	66.1
Female	943	24.8	707	24.6	236	25.2	25.0	914	29.2	31,362	29.7	651	33.9
Race/Ethnicity													
Black	1,917	50.3	1,429	49.8	488	52.0	25.5	1,632	52.2	47,722	45.2	990	51.6
Hispanic	1,154	30.3	852	29.7	302	32.2	26.2	978	31.3	33,630	31.8	655	34.1
White	606	15.9	492	17.1	114	12.2	18.8	435	13.9	22,091	20.9	239	12.4
Asian/Pacific Islander	119	3.1	87	3.0	32	3.4	26.9	75	2.4	1,522	1.4	32	1.7
Native American	10	0.3	8	0.3	2	0.2	20.0	5	0.2	124	0.1	3	0.2
Multiracial	3	0.1	3	0.1	0	0.0	0.0	1	0.0	44	0.0	1	0.1
Unknown	0	0.0	0	0.0	0	0.0	0.0	0	0.0	500	0.5	0	0.0
Age group (years)⁵													
0-12	7	0.2	7	0.2	0	0.0	0.0	2	0.1	519	0.5	0	0.0
13-19	172	4.5	147	5.1	25	2.7	14.5	64	2.0	1,560	1.5	4	0.2
20-29	1,014	26.6	867	30.2	147	15.7	14.5	429	13.7	7,058	6.7	55	2.9
30-39	1,006	26.4	767	26.7	239	25.5	23.8	798	25.5	17,857	16.9	203	10.6
40-49	979	25.7	688	24.0	291	31.0	29.7	1,061	33.9	39,336	37.2	610	31.8
50-59	463	12.2	299	10.4	164	17.5	35.4	574	18.4	28,430	26.9	686	35.7
60+	168	4.4	96	3.3	72	7.7	42.9	198	6.3	10,873	10.3	362	18.9
Borough of residence													
Manhattan	1,024	26.9	793	27.6	231	24.6	22.6	745	23.8	31,940	30.2	547	28.5
Brooklyn	1,027	27.0	762	26.5	265	28.3	25.8	803	25.7	26,040	24.7	529	27.6
Bronx	838	22.0	606	21.1	232	24.7	27.7	782	25.0	22,691	21.5	498	25.9
Queens	604	15.9	461	16.1	143	15.2	23.7	453	14.5	14,894	14.1	226	11.8
Staten Island	63	1.7	36	1.3	27	2.9	42.9	60	1.9	1,865	1.8	41	2.1
Unknown/outside NYC	253	6.6	213	7.4	40	4.3	15.8	283	9.1	8,203	7.8	79	4.1
Transmission risk													
Men who have sex with men	1,614	42.4	1,285	44.8	329	35.1	20.4	1,018	32.6	33,907	32.1	308	16.0
Injection drug use history	230	6.0	171	6.0	59	6.3	25.7	392	12.5	21,212	20.1	698	36.4
Heterosexual ⁶	855	22.4	616	21.5	239	25.5	28.0	701	22.4	19,777	18.7	317	16.5
Perinatal	8	0.2	7	0.2	1	0.1	12.5	40	1.3	2,449	2.3	12	0.6
Other	0	0.0	0	0.0	0	0.0	0.0	1	0.0	288	0.3	9	0.5
Unknown	1,102	28.9	792	27.6	310	33.0	28.1	974	31.2	28,000	26.5	576	30.0
Clinical status as of 12/31/2008													
HIV (non-AIDS)	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	41,177	39.0	274	14.3
AIDS	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	64,456	61.0	1,646	85.7

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

¹ For events reported by September 30, 2009. 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 2008 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, 2008; 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. 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

HIV/AIDS diagnoses and deaths occurring January 1, 2008, through December 31, 2008, and persons diagnosed and reported in New York City and presumed to be living with HIV/AIDS as of December 31, 2008,¹ by sex

	HIV diagnoses 1/1/2008–12/31/2008 ¹							AIDS diagnoses 1/1/2008–12/31/2008 ³		PLWHA as of 12/31/2008		Deaths ⁴ 1/1/2008–12/31/2008	
	Total		Without AIDS		Concurrent with AIDS diagnosis ²			N	%	N	%	N	%
	N	%	N	%	N	%	Row %						
Total (Male and Female)	3,809	100.0	2,871	100.0	938	100.0	24.6	3,126	100.0	105,633	100.0	1,920	100.0
Male	2,866	100.0	2,164	100.0	702	100.0	24.5	2,212	100.0	74,271	100.0	1,269	100.0
Race/Ethnicity													
Black	1,285	44.8	969	44.8	316	45.0	24.6	1,037	46.9	29,298	39.4	611	48.1
Hispanic	922	32.2	671	31.0	251	35.8	27.2	718	32.5	23,759	32.0	436	34.4
White	546	19.1	439	20.3	107	15.2	19.6	392	17.7	19,490	26.2	194	15.3
Asian/Pacific Islander	102	3.6	76	3.5	26	3.7	25.5	60	2.7	1,228	1.7	25	2.0
Native American	8	0.3	6	0.3	2	0.3	25.0	4	0.2	89	0.1	2	0.2
Multiracial	3	0.1	3	0.1	0	0.0	0.0	1	0.0	31	0.0	1	0.1
Unknown	0	0.0	0	0.0	0	0.0	0.0	0	0.0	376	0.5	0	0.0
Age group (years)⁵													
0-12	5	0.2	5	0.2	0	0.0	0.0	2	0.1	242	0.3	0	0.0
13-19	123	4.3	106	4.9	17	2.4	13.8	37	1.7	793	1.1	1	0.1
20-29	828	28.9	704	32.5	124	17.7	15.0	331	15.0	4,934	6.6	35	2.8
30-39	760	26.5	587	27.1	173	24.6	22.8	572	25.9	12,140	16.3	120	9.5
40-49	726	25.3	504	23.3	222	31.6	30.6	739	33.4	27,401	36.9	370	29.2
50-59	322	11.2	198	9.1	124	17.7	38.5	405	18.3	20,570	27.7	486	38.3
60+	102	3.6	60	2.8	42	6.0	41.2	126	5.7	8,191	11.0	257	20.3
Borough of residence													
Manhattan	865	30.2	673	31.1	192	27.4	22.2	600	27.1	25,832	34.8	393	31.0
Brooklyn	745	26.0	547	25.3	198	28.2	26.6	550	24.9	16,444	22.1	316	24.9
Bronx	537	18.7	388	17.9	149	21.2	27.7	480	21.7	13,557	18.3	307	24.2
Queens	470	16.4	359	16.6	111	15.8	23.6	332	15.0	10,522	14.2	164	12.9
Staten Island	45	1.6	25	1.2	20	2.8	44.4	42	1.9	1,194	1.6	27	2.1
Unknown/outside NYC	204	7.1	172	7.9	32	4.6	15.7	208	9.4	6,722	9.1	62	4.9
Transmission risk													
Men who have sex with men	1,614	56.3	1,285	59.4	329	46.9	20.4	1,018	46.0	33,907	45.7	308	24.3
Injection drug use history	173	6.0	124	5.7	49	7.0	28.3	269	12.2	15,053	20.3	474	37.4
Heterosexual ⁶	179	6.2	115	5.3	64	9.1	35.8	180	8.1	5,436	7.3	92	7.2
Perinatal	6	0.2	5	0.2	1	0.1	16.7	18	0.8	1,191	1.6	4	0.3
Other	0	0.0	0	0.0	0	0.0	0.0	0	0.0	151	0.2	2	0.2
Unknown	894	31.2	635	29.3	259	36.9	29.0	727	32.9	18,533	25.0	389	30.7
Clinical status as of 12/31/2008													
HIV (non-AIDS)	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	28,511	38.4	185	14.6
AIDS	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	45,760	61.6	1,084	85.4
Female	943	100.0	707	100.0	236	100.0	25.0	914	100.0	31,362	100.0	651	100.0
Race/Ethnicity													
Black	632	67.0	460	65.1	172	72.9	27.2	595	65.1	18,424	58.7	379	58.2
Hispanic	232	24.6	181	25.6	51	21.6	22.0	260	28.4	9,871	31.5	219	33.6
White	60	6.4	53	7.5	7	3.0	11.7	43	4.7	2,601	8.3	45	6.9
Asian/Pacific Islander	17	1.8	11	1.6	6	2.5	35.3	15	1.6	294	0.9	7	1.1
Native American	2	0.2	2	0.3	0	0.0	0.0	1	0.1	35	0.1	1	0.2
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	124	0.4	0	0.0
Age group (years)⁵													
0-12	2	0.2	2	0.3	0	0.0	0.0	0	0.0	277	0.9	0	0.0
13-19	49	5.2	41	5.8	8	3.4	16.3	27	3.0	767	2.4	3	0.5
20-29	186	19.7	163	23.1	23	9.7	12.4	98	10.7	2,124	6.8	20	3.1
30-39	246	26.1	180	25.5	66	28.0	26.8	226	24.7	5,717	18.2	83	12.7
40-49	253	26.8	184	26.0	69	29.2	27.3	322	35.2	11,935	38.1	240	36.9
50-59	141	15.0	101	14.3	40	16.9	28.4	169	18.5	7,860	25.1	200	30.7
60+	66	7.0	36	5.1	30	12.7	45.5	72	7.9	2,682	8.6	105	16.1
Borough of residence													
Manhattan	159	16.9	120	17.0	39	16.5	24.5	145	15.9	6,108	19.5	154	23.7
Brooklyn	282	29.9	215	30.4	67	28.4	23.8	253	27.7	9,596	30.6	213	32.7
Bronx	301	31.9	218	30.8	83	35.2	27.6	302	33.0	9,134	29.1	191	29.3
Queens	134	14.2	102	14.4	32	13.6	23.9	121	13.2	4,372	13.9	62	9.5
Staten Island	18	1.9	11	1.6	7	3.0	38.9	18	2.0	671	2.1	14	2.2
Unknown/outside NYC	49	5.2	41	5.8	8	3.4	16.3	75	8.2	1,481	4.7	17	2.6
Transmission risk													
Injection drug use history	57	6.0	47	6.6	10	4.2	17.5	123	13.5	6,159	19.6	224	34.4
Heterosexual ⁶	676	71.7	501	70.9	175	74.2	25.9	521	57.0	14,341	45.7	225	34.6
Perinatal	2	0.2	2	0.3	0	0.0	0.0	22	2.4	1,258	4.0	8	1.2
Other	0	0.0	0	0.0	0	0.0	0.0	1	0.1	137	0.4	7	1.1
Unknown	208	22.1	157	22.2	51	21.6	24.5	247	27.0	9,467	30.2	187	28.7
Clinical status as of 12/31/2008													
HIV (non-AIDS)	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	12,666	40.4	89	13.7
AIDS	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	18,696	59.6	562	86.3

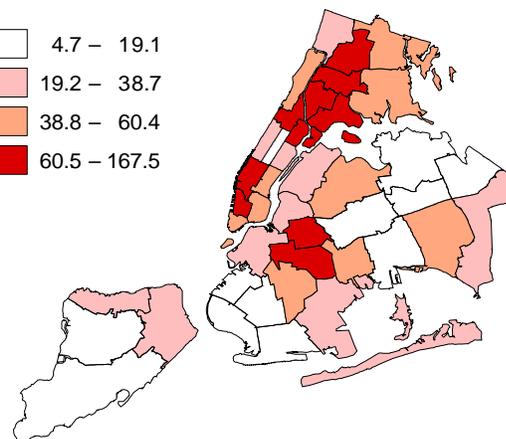
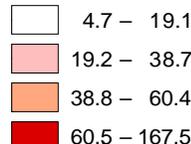
PLWHA=Persons living with HIV/AIDS. All percents are column percents unless otherwise indicated.

Footnotes appear at the bottom of the table on page 2.

Rates of HIV diagnoses, PWA, and deaths among PWA by United Hospital Fund (UHF) neighborhood, New York City 2008¹

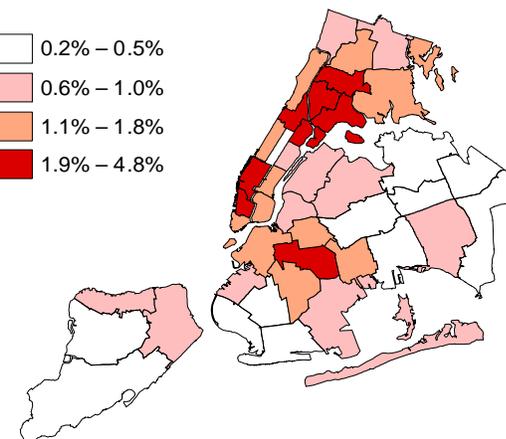
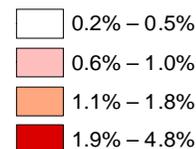
	HIV diagnoses ² per 100,000 population	Reported PWA as percent of population	Age-adjusted death rate per 1,000 PWA ³	Population from 2000 Census
Total	47.6	1.3	17.9	8,008,278
Bronx⁴	63.1	1.7	21.9	1,327,690
Crotona – Tremont	78.2	2.3	23.4	199,530
Fordham – Bronx Park	64.3	1.6	15.5	250,491
High Bridge – Morrisania	92.8	2.6	27.0	189,755
Hunts Point – Mott Haven	90.3	2.5	23.6	122,875
Kingsbridge – Riverdale	23.6	0.6	15.4*	88,989
Northeast Bronx	46.2	0.9	21.8	185,998
Pelham – Throgs Neck	42.8	1.2	20.5	290,052
Brooklyn⁴	41.7	1.1	20.1	2,465,326
Bedford/Stuyvesant – Crown Heights	84.5	2.1	22.6	317,296
Bensonhurst – Bay Ridge	9.8	0.3	13.1*	194,558
Borough Park	13.6	0.3	13.2	324,411
Canarsie – Flatlands	34.9	0.6	23.8	197,819
Coney Island – Sheepshead Bay	15.0	0.4	20.0	286,901
Downtown – Heights – Park Slope	38.7	1.4	16.7	214,696
East Flatbush – Flatbush	56.2	1.3	15.8	316,734
East New York	60.4	1.5	22.7	173,716
Greenpoint	27.3	0.8	17.7	124,449
Sunset Park	19.1	0.6	21.2	120,441
Williamsburg – Bushwick	78.2	1.8	23.6	194,305
Manhattan⁴	67.0	2.1	16.2	1,529,375
Central Harlem – Morningside Heights	137.6	2.9	25.8	151,113
Chelsea – Clinton	167.5	4.8	11.1	122,998
East Harlem	91.6	2.8	26.9	108,092
Gramercy Park – Murray Hill	53.8	1.8	14.1	124,477
Greenwich Village – Soho	62.1	2.5	8.3	83,709
Lower Manhattan	48.6	1.5	6.7*	30,895
Union Square – Lower East Side	50.7	1.7	17.6	197,138
Upper East Side	19.3	0.7	18.9	218,167
Upper West Side	33.3	1.5	15.4	222,109
Washington Heights – Inwood	55.0	1.4	14.9	270,677
Queens⁴	26.9	0.7	15.4	2,242,159
Bayside – Little Neck	6.8*	0.2	18.8*	88,164
Flushing – Clearview	8.2	0.3	25.8	255,542
Fresh Meadows	14.0	0.3	29.3*	93,148
Jamaica	41.3	1.0	18.8	285,568
Long Island City – Astoria	35.8	0.8	12.2	220,960
Ridgewood – Forest Hills	17.0	0.4	16.3	240,901
Rockaway	25.3	0.8	21.2	106,738
Southeast Queens	19.6	0.5	9.5*	203,670
Southwest Queens	18.9	0.5	15.0	269,952
West Queens	41.3	1.0	12.0	477,516
Staten Island⁴	14.2	0.4	21.7	443,728
Port Richmond	20.7	0.6	17.9*	62,788
South Beach – Tottenville	8.3	0.2	20.6*	179,892
Stapleton – St. George	25.8	0.7	28.4	116,227
Willowbrook	4.7*	0.2	7.7*	84,821

HIV diagnoses per 100,000 in 2008²



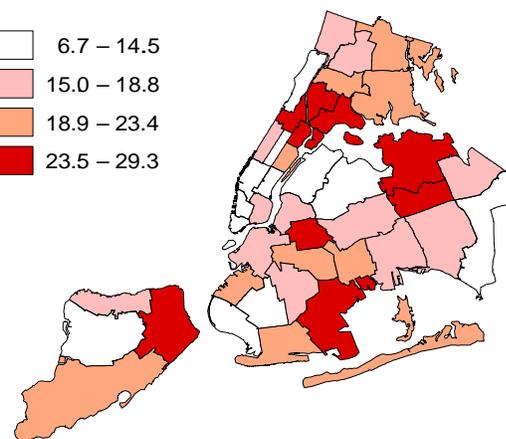
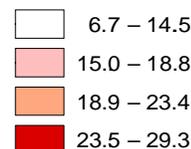
UHF neighborhoods with the highest rates of HIV diagnoses are in the South Bronx, Central Brooklyn, lower Manhattan and Harlem.

PWA as a percent of population in 2008



UHF neighborhoods with the highest proportions of PWA are in the South Bronx, Central Brooklyn, lower Manhattan and Harlem.

Age-adjusted death rate per 1,000 PWA in 2008³



Most high-prevalence neighborhoods have high mortality among PWA, with some exceptions: Chelsea-Clinton has the highest prevalence in the city but comparatively low mortality.

PWA=Persons with HIV/AIDS alive at any time January 1, 2008 – December 31, 2008. 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, 2009.

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

³ Age-adjusted to the city-wide population of PWA in 2008.

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