

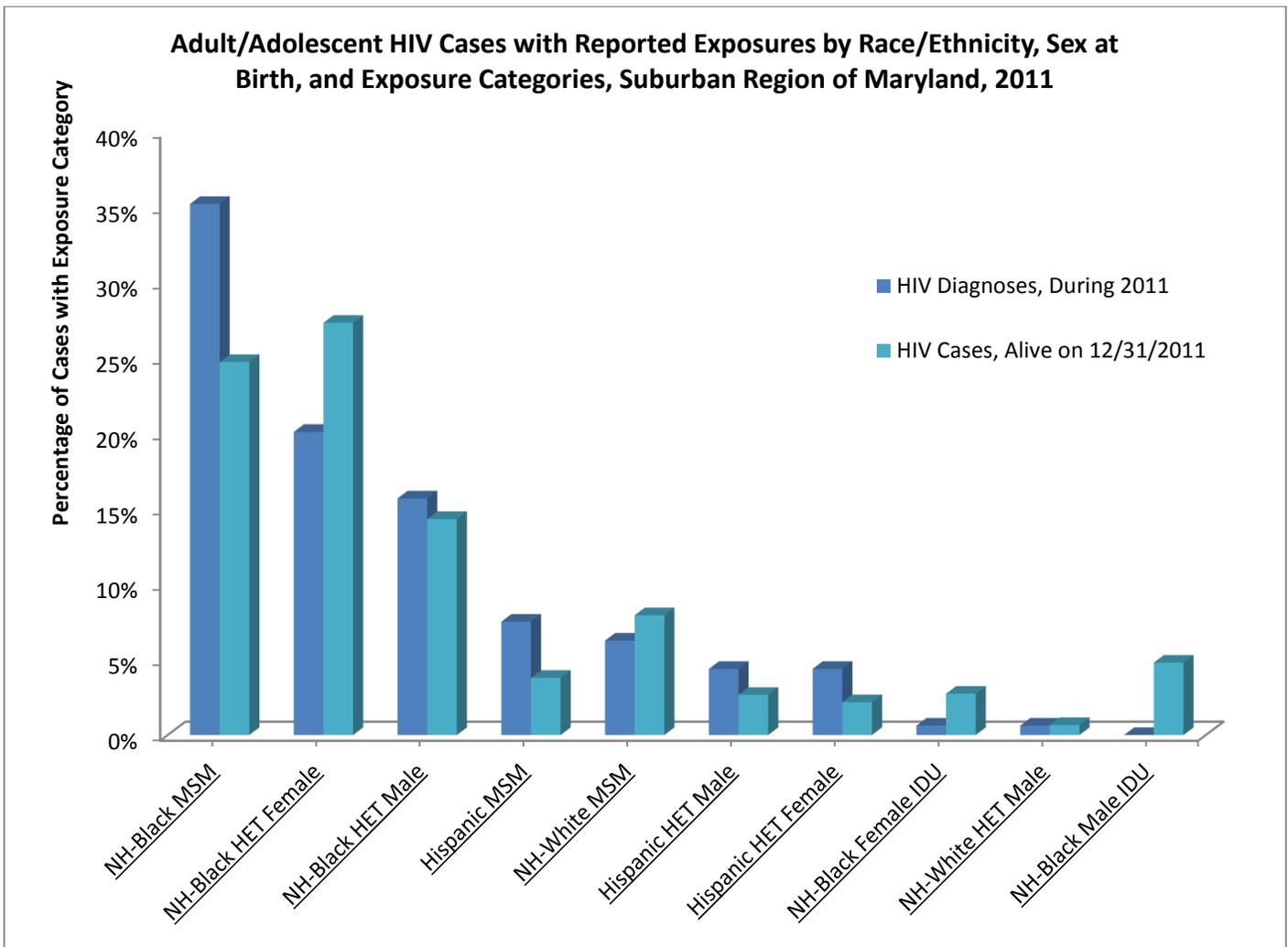
# Suburban Region HIV/AIDS Epidemiological Profile

Fourth Quarter 2012

Data reported through December 31, 2012



Center for HIV Surveillance, Epidemiology and Evaluation  
Infectious Disease Bureau  
Prevention and Health Promotion Administration  
Maryland Department of Health and Mental Hygiene  
<http://phpa.dhmf.maryland.gov/oideor/chse>  
1-800-358-9001



## Predominant HIV Risk Groups:

In order to reduce HIV transmissions and improve engagement in care for those infected with HIV, an understanding of the demographic and exposure categories among reported HIV cases is needed to identify the groups most likely to have HIV. In 2011, non-Hispanic (NH) Black males who have sex with males (MSM) accounted for the greatest proportion of new HIV diagnoses (35.2%) followed by NH-Black heterosexual (HET) females (20.1%) and NH-Black heterosexual males (15.7%). This is markedly different from the proportions of living HIV cases where the largest group was NH-Black heterosexual females (27.4%), followed closely by NH-Black MSM (24.8%) and NH-Black heterosexual (HET) males (14.4%). By identifying the disproportion in the demographic and exposure categories between new and existing HIV cases, resources may be better allocated for prevention, testing, and treatment services.

## TABLE OF CONTENTS

<b>Section I – Background Information .....</b>	<b>4</b>
HIV/AIDS Reporting Requirements.....	4
For Assistance with HIV/AIDS Reporting.....	4
Limitations in the HIV/AIDS Data .....	4
Stages of a Case of HIV/AIDS .....	5
Changes in Case Terminology.....	5
Laboratory Data .....	6
Sources of Data .....	6
Tabulation of Column Totals .....	6
Data Suppression.....	6
On-line Mapping Tool.....	6
HIV Exposure Categories.....	7
Glossary of Terms.....	7
<b>Section II – Trends 1985-2011 .....</b>	<b>10</b>
Figure 1 – Trends in Reported HIV and AIDS Diagnoses and Deaths, 1985-2011, Reported through 12/31/2012 .....	10
Figure 2 – Trends in Living HIV Cases, 1985-2011, Reported through 12/31/2012.....	11
Figure 3 – Trends in Adult/Adolescent Reported HIV Diagnoses by Sex at Birth, 1985-2011, Reported through 12/31/2012 .....	12
Figure 4 – Trends in Adult/Adolescent Reported HIV Diagnoses by Race/Ethnicity, 1985-2011, Reported through 12/31/2012.....	13
Figure 5 – Trends in Adult/Adolescent Reported HIV Diagnoses by Age at Diagnosis, 1985-2011, Reported through 12/31/2012.....	14
Figure 6 – Trends in Adult/Adolescent Reported HIV Diagnoses by Exposure Category, 1985-2011, Reported through 12/31/2012.....	15
<b>Section III – Adult/Adolescent Cases by Jurisdiction .....</b>	<b>16</b>
Table 1 – Adult/Adolescent HIV Diagnoses during 2011, First CD4 Test Result, Percent Linked to Care, and Percent Late Diagnosis, by Jurisdiction, Reported through 12/31/2012.....	16
Table 2 – Adult/Adolescent AIDS Diagnoses during 2011, Mean Years from HIV Diagnosis and Percent Late HIV Diagnosis, by Jurisdiction, Reported through 12/31/2012.....	17
Table 3 – Adult/Adolescent HIV Cases Alive on 12/31/2011, by Jurisdiction, Reported through 12/31/2012 .....	17
Table 4 – CD4 Test Results for Adult/Adolescent HIV Cases Alive on 12/31/2011, Reported through 12/31/2012.....	18
Table 5 – Viral Load Test Results for Adult/Adolescent HIV Cases Alive on 12/31/2011, by Jurisdiction, Reported through 12/31/2012.....	18
Figure 7 – Estimated Adult/Adolescent 2011 HIV Continuum of Care, Reported through 12/31/2012 .....	19
<b>Section IV – Cases by Age .....</b>	<b>20</b>
Table 6 – HIV Diagnoses during 2011, First CD4 Test Result, Percent Linked to Care, and Percent Late Diagnosis, by Age at HIV Diagnosis, Reported through 12/31/2012 .....	20
Table 7 – AIDS Diagnoses during 2011, Mean Years from HIV Diagnosis and Percent Late HIV Diagnosis, by Age at AIDS Diagnosis, Reported through 12/31/2012 .....	20
Table 8 – HIV Cases Alive on 12/31/2011, by Age on 12/31/2011, Reported through 12/31/2012 .....	21
Table 9 – CD4 Test Results for Adult/Adolescent HIV Cases Alive on 12/31/2011, by Age on 12/31/2011, Reported through 12/31/2012.....	21
Table 10 – Viral Load Test Results for Adult/Adolescent HIV Cases Alive on 12/31/2011, by Age on 12/31/2011, Reported through 12/31/2012.....	22
<b>Section V – Adult/Adolescent Cases by Demographics .....</b>	<b>23</b>
Table 11 – Adult/Adolescent HIV Diagnoses during 2011, First CD4 Test Result, Percent Linked to Care, and Percent Late Diagnosis, by Sex at Birth, Race/Ethnicity and Country of Birth, Reported through 12/31/2012.....	23
Table 12 – Adult/Adolescent AIDS Diagnoses during 2011, Mean Years from HIV Diagnosis and Percent Late HIV Diagnosis, by Sex at Birth, Race/Ethnicity and Country of Birth, Reported through 12/31/2012.....	24
Table 13 – Adult/Adolescent Living HIV Cases with and without AIDS by Sex at Birth, Race/Ethnicity, and Country of Birth, Alive on 12/31/2011 and Reported through 12/31/2012.....	25
Table 14 –Adult/Adolescent Total Living HIV Cases, Recent CD4 Test Results, by Sex at Birth, Race/Ethnicity and Country of Birth, Alive on 12/31/2011 and Reported through 12/31/2012 .....	26
Table 15 – Adult/Adolescent Total Living HIV Cases, Recent Viral Load Test Results, by Sex at Birth, Race/Ethnicity and Country of Birth, Alive on 12/31/2011 and Reported through 12/31/2012 .....	27

<b>Section VI – HIV Cases by Expanded Demographics</b> .....	<b>28</b>
Figure 8 – Population Pyramids of Total Living HIV Cases by Current Age, Sex at Birth, and Race/Ethnicity, Alive on 12/31/2011 and Reported through 12/31/2012 .....	28
Table 16 – Total Living Male HIV Cases by Current Age and Race/Ethnicity, Alive on 12/31/2011 and Reported through 12/31/2012.....	29
Table 17 – Total Living Female HIV Cases by Current Age and Race/Ethnicity, Alive on 12/31/2011 and Reported through 12/31/2012.....	30
<b>Section VII – HIV Exposure Category</b> .....	<b>31</b>
Table 18 – Adult/Adolescent HIV Diagnoses during 2011, First CD4 Test Result, Percent Linked to Care, and Percent Late Diagnosis, by Exposure Category and Sex at Birth, Reported through 12/31/2012 .....	31
Table 19 – Adult/Adolescent AIDS Diagnoses during 2011, Mean Years from HIV Diagnosis and Percent Late HIV Diagnosis, by Exposure Category and Sex at Birth, Reported through 12/31/2012 .....	32
Table 20 – Adult/Adolescent Living HIV Cases with and without AIDS by Exposure Category and Sex at Birth, Alive on 12/31/2011 and Reported through 12/31/2012 .....	33
Table 21 – Adult/Adolescent Total Living HIV Cases by Exposure Category, Race/Ethnicity, and Sex at Birth, Alive on 12/31/2011 and Reported through 12/31/2012 .....	34
Table 22 – Adult/Adolescent Total Living HIV Cases, Recent CD4 Test Results by Exposure Category, Alive on 12/31/2011 and Reported through 12/31/2012 .....	35
Table 23 – Adult/Adolescent Total Living HIV Cases, Recent Viral Load Test Results by Exposure Category, Alive on 12/31/2011 and Reported through 12/31/2012 .....	35
<b>Section VIII – Disease Progression and Mortality</b> .....	<b>36</b>
Figure 9 – Trends in Disease Progression by Year of HIV Diagnosis, 1985-2010, Reported through 12/31/2012 .....	36
Figure 10 – Trends in Survival Times by Year of AIDS Diagnosis, 1985-2010, Reported through 12/31/2012.....	37
<b>Section IX – Pediatric Cases</b> .....	<b>38</b>
Figure 11 – Trends in Pediatric HIV Cases, 1985-2011, Reported through 12/31/2012.....	38
Table 24 – Pediatric HIV Diagnoses during 2011 and Pediatric Total Living HIV Cases, Alive on 12/31/2011, by Jurisdiction, Reported through 12/31/2012 .....	39
Table 25 – Pediatric HIV Diagnosis during 2011 and Pediatric Total Living HIV Cases by Sex at Birth and Race/Ethnicity, Alive on 12/31/2011 and Reported through 12/31/2012.....	39

## **Section I – Background Information**

### **HIV/AIDS Reporting Requirements**

The Maryland HIV/AIDS Reporting Act of 2007 went into effect on April 24, 2007. The law expanded HIV/AIDS reporting and required that HIV cases be reported by name. The following highlights the reporting requirements of Health-General Articles 18-201.1, 18-202.1, and 18-205 of the Annotated Code of Maryland, as specified in COMAR 10.18.02.

- Physicians are required to report patients in their care with diagnoses of HIV or AIDS immediately to the Local Health Department where the physician's office is located by mailing DHMH Form 1140. Reports are also accepted by phone.
- Physicians are required to report infants born to HIV positive mothers within 48 hours to the State Health Department by mailing DHMH Form 1140. Reports are also accepted by phone.
- Clinical and infection control practitioners in hospitals, nursing homes, hospice facilities, medical clinics in correctional facilities, inpatient psychiatric facilities, and inpatient drug rehabilitation facilities are required to report patients in the care of the institution with diagnoses of HIV or AIDS within 48 hours to the Local Health Department where the institution is located by mailing DHMH Form 1140. Reports are also accepted by phone. Facilities with large volumes are encouraged to contact the State Health Department to establish electronic reporting.
- Laboratory directors are required to report patients with laboratory results indicating HIV infection (e.g., positive confirmatory HIV diagnostic tests, all CD4 immunological tests, all HIV viral load tests, and all HIV genotype and phenotype tests) within 48 hours to the Local Health Department where the laboratory is located, or if out of state to the Maryland State Health Department, by mailing DHMH Form 4492. Laboratories are encouraged to contact the State Health Department to establish electronic reporting.

Reporting forms and instructions are available on our website:

<http://phpa.dhmh.maryland.gov/oideor/chse/sitepages/reporting-material.aspx>

### **For Assistance with HIV/AIDS Reporting**

For assistance with reporting, including establishment of routine, electronic, or other alternate methods of reporting to the Health Department, please contact the Center for HIV Surveillance, Epidemiology and Evaluation in the Maryland Department of Health and Mental Hygiene at 410-767-5061.

### **Limitations in the HIV/AIDS Data**

This epidemiological profile only contains data for HIV and AIDS cases that have been diagnosed by a health care provider, were reported to the health department by name, and were residents of Maryland at the time of diagnosis. Nationally, it has been estimated that 18% of people living with HIV infection are undiagnosed. In addition, despite a massive effort during which over 17,000 HIV cases were reported after the Maryland HIV reporting law changed on April 24, 2007, not all diagnosed HIV cases previously reported by Maryland's code-based identifier were located and re-reported by name. In addition, many of the re-reported HIV cases were identified by a recent diagnosis and not by their earliest diagnosis, resulting in an under-reporting of HIV diagnoses before 2001 and an over-reporting of HIV diagnoses from 2001 to 2008. Caution should be exercised in using the number of living HIV cases without AIDS and in interpreting trends in the number of reported HIV diagnoses. Furthermore, laboratory data are only available for cases receiving medical care, usually only at facilities in Maryland, and only includes test results that have been reported to the health department.

## Stages of a Case of HIV/AIDS

Untreated HIV disease progresses from HIV infection to AIDS to death. These are biological events that occur whether or not a person receives any medical care. For example, a person can be HIV infected but never have an HIV test and so they do not have an HIV diagnosis. A medical provider diagnoses that these biological events have occurred and records them as a medical event. The law requires medical providers to report these medical events to the Health Department, thereby creating a surveillance event.

Time Point	Biological Event	Medical Event	Surveillance Event
1	HIV Infection		
2		HIV Diagnosis	
3			HIV Report
4	AIDS Conditions		
5		AIDS Diagnosis	
6			AIDS Report
7	Death		
8		Death Diagnosis	
9			Death Report

For surveillance purposes, a case of HIV/AIDS can only move through time in one direction, from HIV infection to death report [from time point 1 to time point 9], but may skip over individual stages. Events can occur simultaneously, but usually there is a time lag between them. The time lag between events can be measured in days, months, or years.

For example, the time between HIV infection [time point 1] and the test that diagnoses HIV [time point 2] may be several years, and it may then take several days for the laboratory and physician to report the diagnosis to the health department [time point 3]. In a second example, a person with diagnosed and reported HIV infection [time point 3] may die [time point 7] without developing AIDS, thereby skipping the three AIDS events (conditions, diagnosis, and report [time points 4, 5 and 6]). And in a third example, a person with undiagnosed HIV infection [time point 1] may become sick, enter the hospital, and die [time point 7] of what is later determined to be AIDS. In that situation, HIV diagnosis [time point 2], AIDS diagnosis [time point 5], and death diagnosis [time point 8] would all occur at the same time, and that would have been many years after the initial HIV infection [time point 1].

## Changes in Case Terminology

The terminology for HIV and AIDS cases was changed from earlier epidemiological profiles to be more precise, with Reported Diagnoses replacing Incidence and Living Cases replacing Prevalence. Incidence is a measure of the number of new events (such as HIV infections) in a population during a period of time. Prevalence is a measure of the number of people living with a condition (such as HIV) in a population at a certain time. Prevalence includes both new and old cases. For HIV, Incidence and Prevalence cannot be directly measured and must be estimated using statistical methods. The HIV surveillance system is able to provide the actual number of diagnoses and deaths that are reported in the population.

For this epidemiological profile, the reports received through a certain time (the end of the year) are used to generate the number of diagnoses during the prior years. This one year lag allows for delays in reporting and time to complete investigations. For example, the Reported HIV Diagnoses for 2011 are the total of the reported HIV cases with or without an AIDS diagnosis, diagnosed with HIV during 1/1/2011-12/31/2011, as reported by name through 12/31/2012.

To calculate the number of Living Cases we count up all of the Reported Diagnoses from the beginning of the epidemic (all the new cases each year) and subtract all of the Reported Deaths. For example, the Total Living HIV Cases on 12/31/2011 are the total of the reported HIV Cases with or without an AIDS diagnosis and not reported to have died as of 12/31/2011 as reported by name through 12/31/2012.

## **Laboratory Data**

CD4+ T-lymphocyte tests are measures of a person's immune system function. An HIV infected adult is considered to have AIDS if they have less than 200 CD4 cells per microliter of blood. Viral load (VL) tests are measures of the amount of HIV in a person's body. The goal of HIV treatment is to have a very low number of copies of virus per milliliter of blood, below what the test can measure, which is called an undetectable level. Treatment recommendations are that a person in HIV medical care should have their CD4 and VL levels measured at least 2-3 times per year. We use the presence of these lab tests as an indicator that someone has been "linked to care" after diagnosis or is "in care".

## **Sources of Data**

Information on HIV and AIDS diagnoses, including residence at diagnosis, age, race/ethnicity, sex at birth, country of birth, vital status, HIV exposure category, and CD4 and HIV viral load test results are from the Maryland Department of Health and Mental Hygiene's Enhanced HIV/AIDS Reporting System (eHARS), December 31, 2012.

Live births are from the Maryland Department of Health and Mental Hygiene's Maryland Vital Statistics Annual Report 2011.

Perinatal exposures and transmissions are from the Maryland Department of Health and Mental Hygiene's Enhanced Perinatal Surveillance System, December 31, 2012.

Population data by sex, age, and race are from the July 1, 2011 U.S. Census Estimates and by country-of-birth from the 2011 American Community Survey (note the difference in total population due to different source). Due to estimation limitations, some population totals may not equal the sum of its components. When needed, age groups were divided by assuming uniform age distribution within the age group. Non-Hispanic multiple race and Non-Hispanic some other race from the Census were combined into one group.

## **Tabulation of Column Totals**

Figures in tables and generally in the text have been rounded. Discrepancies in tables between totals and sums of components are due to rounding.

## **Data Suppression**

In order to protect the confidentiality of reported HIV cases, data are suppressed in the following instances:

- Data describing a demographic group or geographic area (e.g. ZIP code) with a population less than 1,000 people.
- All clinical/laboratory information if it is describing less than 5 cases.
- All exposure/risk information if it is describing less than 5 cases, except in the case of "other" exposure.
- If any cell is suppressed, additional cells are also suppressed as necessary to prevent back calculation of the suppressed cell(s).

## **On-line Mapping Tool**

Please visit the Maryland Department of Health and Mental Hygiene's website at <http://phpa.dhmh.maryland.gov/oideor/chse> to create your own maps of adult/adolescent HIV rates by jurisdiction of residence, subset them by sex at birth and race/ethnicity, zoom in to the jurisdiction level, plot the locations of HIV testing sites, and print out your custom map.

## **HIV Exposure Categories**

The Centers for Disease Control and Prevention (CDC) developed a hierarchy of exposure categories for surveillance purposes. Persons with more than one reported risk factor are classified in the exposure category listed first in the hierarchy and therefore counted only once. Men who have sex with men and report injection drug use constitutes a separate transmission category.

**MSM (Men who have Sex with Men):** Men who report a history of sexual contact with other men (homosexual contact) including men who report sexual contact with both men and women (bisexual contact).

**Injection Drug Use (IDU):** Men or women who report receiving an injection, either self-administered or given by another person, of a drug that was not prescribed by a physician.

**MSM/IDU:** Men who report a history of sexual contact with other men who also have engaged in injection drug use.

**Heterosexual Exposure (HET):** Men or women who report a history of sexual contact with a person of the opposite sex who is known to have an HIV infection or at high risk for an HIV infection. High risk groups include bisexual men, IDUs and recipients of blood, blood components, transplants of organ or tissue and artificial insemination.

**Perinatal Exposure:** Any baby born to an HIV positive mother.

## **Glossary of Terms**

**Adult/Adolescent Living HIV Cases with AIDS:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Adult/Adolescent Living HIV Cases without AIDS:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, without an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Adult/Adolescent Reported AIDS Diagnoses:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an initial AIDS diagnosis during the specified year.

**Adult/Adolescent Reported HIV Diagnoses:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an initial HIV diagnosis during the specified year.

**Adult/Adolescent Total Living HIV Cases:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Age at AIDS Diagnosis:** Age group at time of initial AIDS diagnosis.

**Age at HIV Diagnosis:** Age group at time of initial HIV diagnosis.

**Age on [date]:** Age group of living cases on the specified date.

**AIDS Deaths:** Reported HIV diagnoses with an AIDS diagnosis that have died due to any cause.

**CD4 Result Distribution (<200, 200-349, 350-499, 500+):** Percent of cases with a CD4 test distributed by their CD4 count results (cells per microliter).

**Confirmed Perinatal HIV Transmissions:** Reported babies born to an HIV positive mother, with a confirmed HIV diagnosis.

**First CD4 Test Result:** First reported CD4 test result obtained within 12 months following initial HIV diagnosis.

**Jurisdiction of Residence at AIDS Diagnosis:** Jurisdiction of residence at time of initial AIDS diagnosis.

**Jurisdiction of Residence at Diagnosis:** Jurisdiction of residence at the later of time of initial HIV diagnosis or time of initial AIDS diagnosis.

**Jurisdiction of Residence at HIV Diagnosis:** Jurisdiction of residence at time of initial HIV diagnosis.

**Live Births:** Babies born alive in the general population.

**Living HIV Cases with AIDS:** Reported HIV diagnoses with an AIDS diagnosis and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Living HIV Cases without AIDS:** Reported HIV diagnoses without an AIDS diagnosis and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Mean Years from HIV Diagnosis (to AIDS Diagnosis):** Mean or average number of years from initial HIV diagnosis to initial AIDS diagnosis for cases with a reported AIDS diagnosis.

**Mean Years from AIDS diagnosis to AIDS Death:** Mean or average number of years from initial AIDS diagnosis to death for adult/adolescent reported AIDS diagnoses with a reported death.

**Median:** The measure of central location which divides a set of data into two equal parts.

**Median Count (First CD4):** Median CD4 count (cells per microliter) of the first CD4 test result reported within 12 months following initial HIV diagnosis.

**Median Count (Recent CD4):** Median CD4 count (cells per microliter) of the most recent CD4 test result reported in the 12 months prior to December 31<sup>st</sup> of the specified year

**Median Unsuppressed (Viral Load):** Median unsuppressed viral load (copies per milliliter) among adult/adolescent living HIV cases with a most recent viral load test result reported in the 12 months prior to December 31<sup>st</sup> of the specified year of 400 copies per milliliter or greater.

**On ART:** Estimated number of HIV Diagnosed receiving antiretroviral therapy (ART) during the specified year.

**Pediatric Reported HIV Diagnoses:** Reported HIV diagnoses, age less than 13 years at HIV diagnosis, with or without an AIDS diagnosis, with initial HIV diagnosis during the specified year.

**Pediatric Total Living HIV Cases:** Reported HIV diagnosis, age less than 13 years at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Percent Alive by Years after AIDS Diagnosis:** Percent of adult/adolescent reported AIDS diagnoses not reported to have died at 1 year, 2 years, 5 years and 10 years after initial AIDS diagnosis, by year of AIDS diagnosis.

**Percent Late HIV Diagnosis (for AIDS diagnoses):** Percent of adult/adolescent reported AIDS diagnoses with an initial HIV diagnosis less than or equal to 12 months prior to their initial AIDS diagnosis.

**Percent Late HIV Diagnosis (for HIV diagnoses):** Percent of adult/adolescent reported HIV diagnoses with an initial AIDS diagnosis less than or equal to 12 months after their initial HIV diagnosis.

**Percent Linked to Care:** Percent of adult/adolescent reported HIV diagnoses with a CD4 or viral load test performed less than or equal to 3 months after their initial HIV diagnosis.

**Percent Suppressed (Viral Load):** Percent of adult/adolescent total living HIV cases with a most recent viral load reported in the 12 months prior to December 31<sup>st</sup> of the specified year of less than 400 copies per milliliter.

**Percent with AIDS:** Percent of adult/adolescent reported HIV diagnoses in the specified year with an initial AIDS diagnosis by 12/31/2011.

**Percent with AIDS by Years after HIV Diagnosis:** Percent of adult/adolescent reported HIV diagnoses in the specified year with an initial AIDS diagnosis at 1 year, 2 years, 5 years and 10 years after HIV diagnosis.

**Perinatal HIV Transmission Rate:** Percent of confirmed perinatal HIV transmissions among reported perinatal HIV exposures.

**Population:** Population estimate for 7/1/2011.

**Population Age 13+:** Population age 13 years or older, estimate for 7/1/2011.

**Rate:** A proportion used to represent risk for disease within a given population. It is calculated by dividing the number of diagnoses by the number of persons at risk (population estimate).

**Ratio (1 in X):** Number of people for every 1 living HIV case in the population, or 1 living HIV case in every X number of people.

**Recent CD4 Test Result:** The most recent CD4 test result reported in the 12 months prior to December 31<sup>st</sup> of the specified year.

**Recent Viral Load Test Result:** The most recent viral load test result reported in the 12 months prior to December 31<sup>st</sup> of the specified year.

**Reported AIDS Deaths:** Reported HIV diagnoses with an AIDS diagnosis, reported to have died of any cause during the specified year.

**Reported AIDS Diagnoses:** Reported HIV diagnoses with an initial AIDS diagnosis during the specified year.

**Reported HIV Diagnoses:** Reported HIV diagnoses with an initial HIV diagnosis during the specified year.

**Reported Perinatal HIV Exposures:** Reported babies born to an HIV positive mother during the specified year.

**Retained in HIV Care:** HIV Diagnosed with a CD4 test result reported in the 12 months prior to December 31<sup>st</sup> of the specified year.

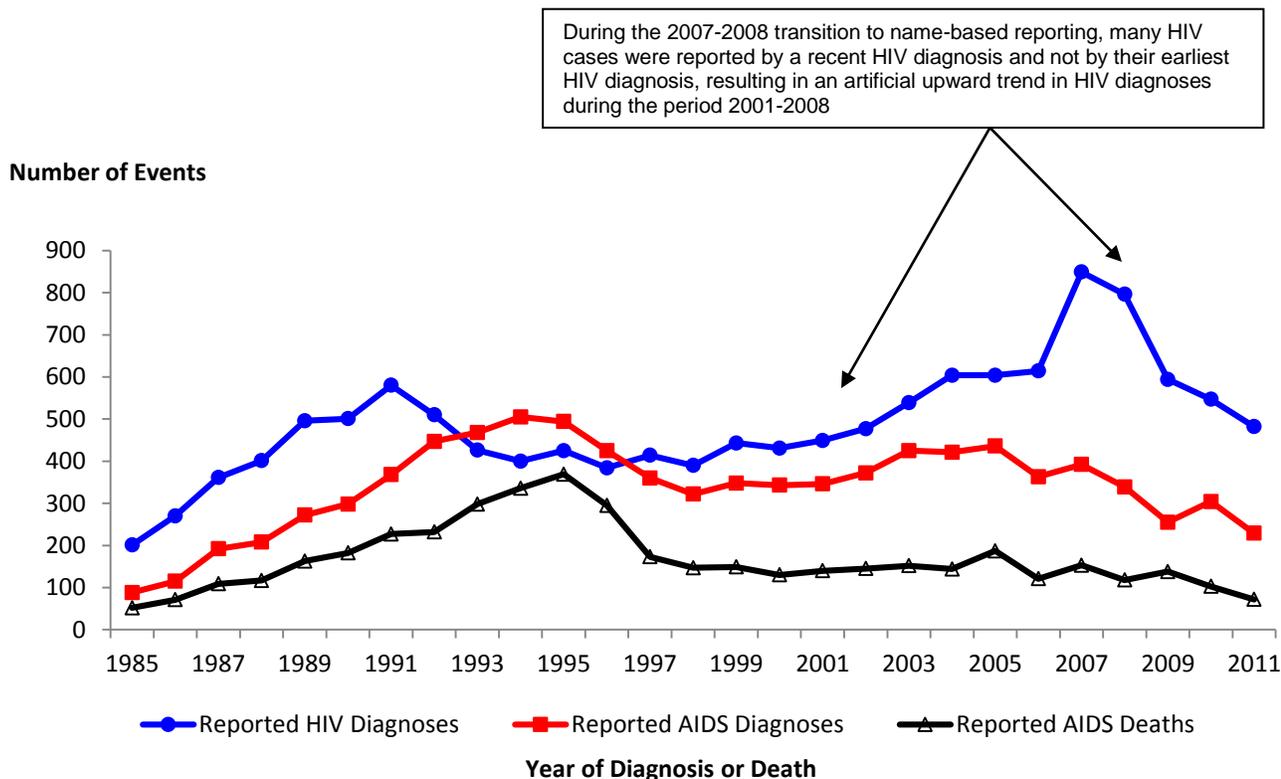
**Total Living HIV Cases:** Reported HIV diagnoses with or without an AIDS diagnosis and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Women of Childbearing Age Total Living HIV cases:** Reported HIV diagnoses among women of child bearing age (13-49 years old) on December 31<sup>st</sup> of the specified year.

## Section II – Trends 1985-2011

**Figure 1 – Trends in Reported HIV and AIDS Diagnoses and Deaths, 1985-2011, Reported through 12/31/2012**

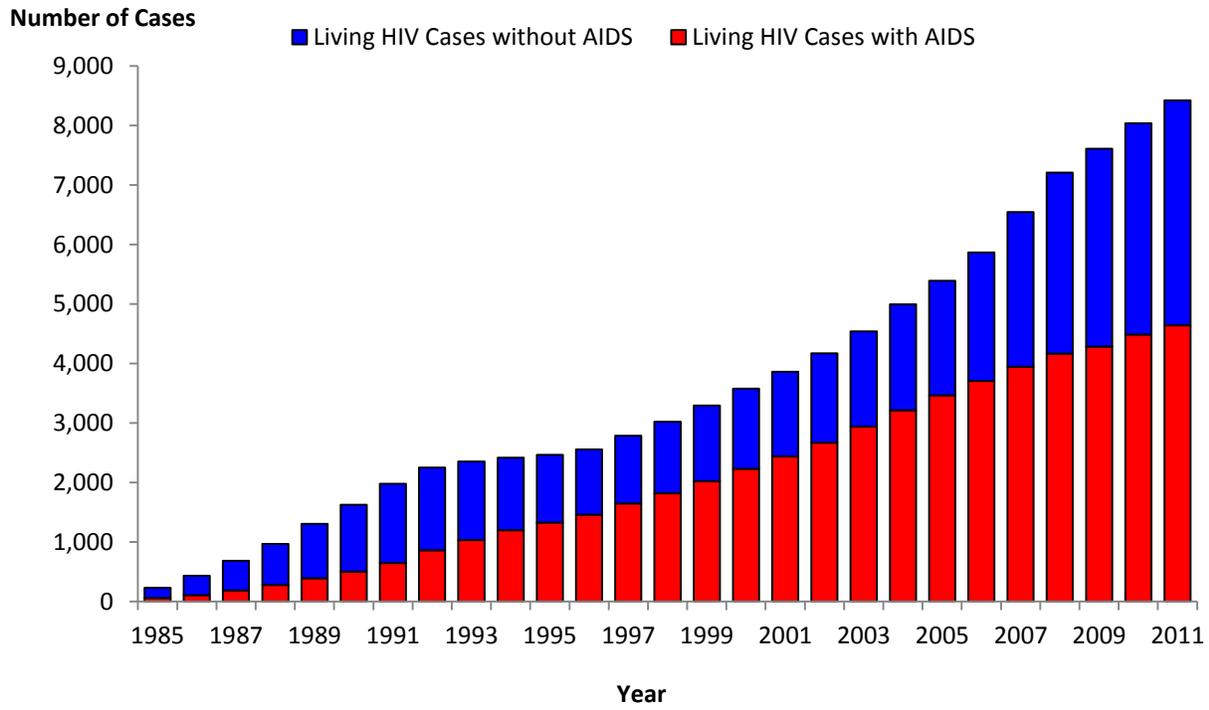
Reported HIV Cases with or without an AIDS Diagnosis (Reported HIV Diagnoses) by Year of HIV Diagnosis, Reported HIV Cases with an AIDS Diagnosis (Reported AIDS Diagnosis) by Year of AIDS Diagnosis, and Reported HIV Cases with an AIDS Diagnosis Reported to have Died of Any Cause (Reported AIDS Deaths) by Year of Death, from 1985 through 2011 as Reported through 12/31/2012



YEAR OF DIAGNOSIS OR DEATH	Reported HIV Diagnoses	Reported AIDS Diagnoses	Reported AIDS Deaths	YEAR OF DIAGNOSIS OR DEATH	Reported HIV Diagnoses	Reported AIDS Diagnoses	Reported AIDS Deaths
<1985	103	54	27	1998	390	322	147
1985	201	88	52	1999	443	348	149
1986	270	115	71	2000	431	343	130
1987	361	192	109	2001	449	346	140
1988	401	208	117	2002	477	372	145
1989	496	272	163	2003	539	425	152
1990	501	298	182	2004	604	421	144
1991	580	368	227	2005	604	436	187
1992	510	447	232	2006	614	363	121
1993	426	468	298	2007	849	392	153
1994	400	505	336	2008	796	339	118
1995	425	494	369	2009	594	255	138
1996	384	425	295	2010	547	304	103
1997	414	360	173	2011	482	229	72
				<b>TOTAL</b>	<b>13,291</b>	<b>9,189</b>	<b>4,550</b>

**Figure 2 – Trends in Living HIV Cases, 1985-2011, Reported through 12/31/2012**

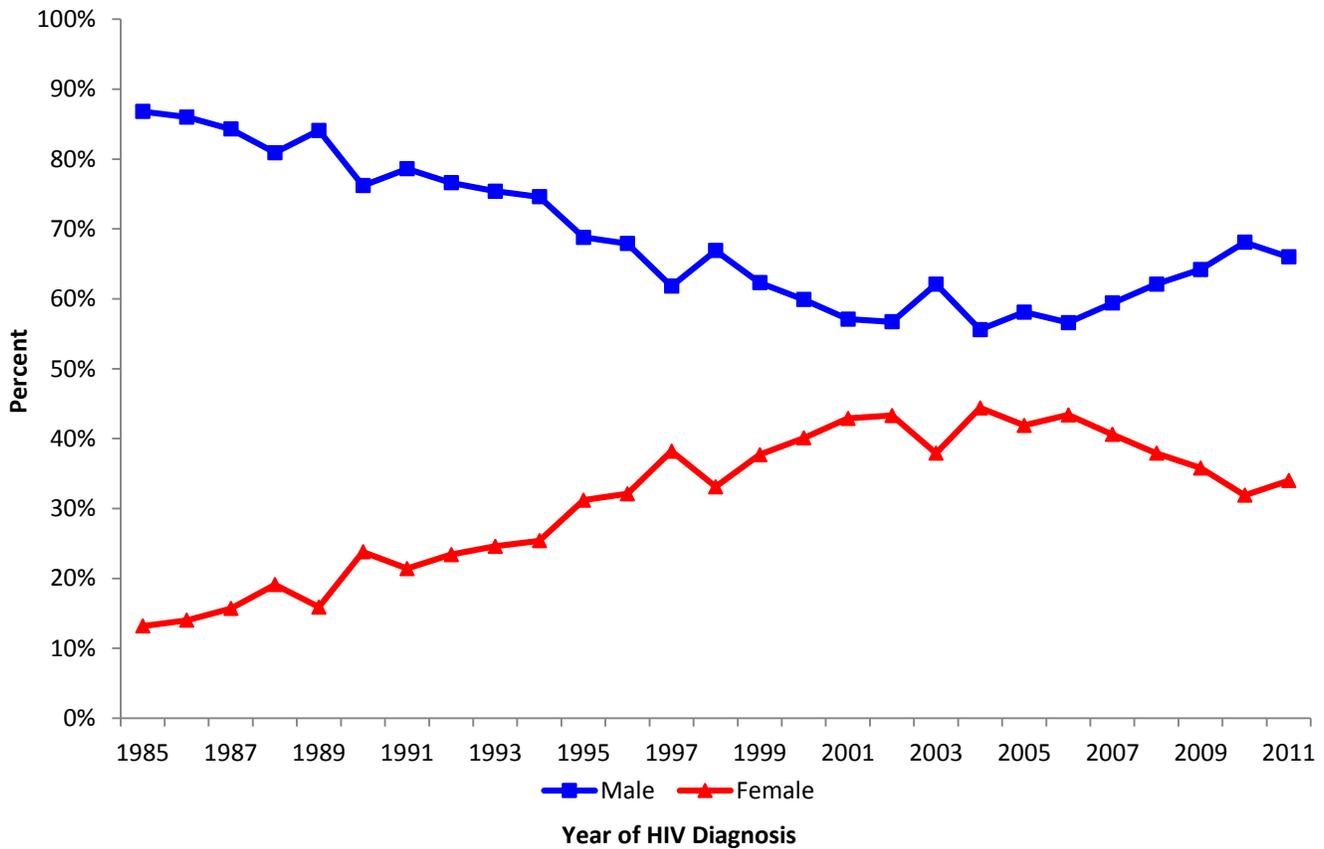
Reported HIV Cases with or without an AIDS Diagnosis and Not Reported to have Died as of December 31<sup>st</sup> of Each Year (Living HIV Cases without AIDS, Living HIV Cases with AIDS, and Total Living HIV Cases) from 1985 through 2011, as Reported through 12/31/2012



YEAR	Living HIV Cases without AIDS	Living HIV Cases with AIDS	Total Living HIV Cases	YEAR	Living HIV Cases without AIDS	Living HIV Cases with AIDS	Total Living HIV Cases
1985	169	63	232	1998	1,201	1,822	3,023
1986	327	107	434	1999	1,277	2,021	3,298
1987	497	190	687	2000	1,346	2,234	3,580
1988	691	281	972	2001	1,424	2,441	3,865
1989	916	390	1,306	2002	1,505	2,668	4,173
1990	1,123	506	1,629	2003	1,602	2,941	4,543
1991	1,336	647	1,983	2004	1,776	3,218	4,994
1992	1,393	862	2,255	2005	1,927	3,467	5,394
1993	1,324	1,032	2,356	2006	2,156	3,709	5,865
1994	1,218	1,202	2,420	2007	2,600	3,948	6,548
1995	1,138	1,329	2,467	2008	3,043	4,169	7,212
1996	1,097	1,460	2,557	2009	3,327	4,286	7,613
1997	1,142	1,647	2,789	2010	3,550	4,487	8,037
				2011	3,782	4,644	8,426

**Figure 3 – Trends in Adult/Adolescent Reported HIV Diagnoses by Sex at Birth, 1985-2011, Reported through 12/31/2012**

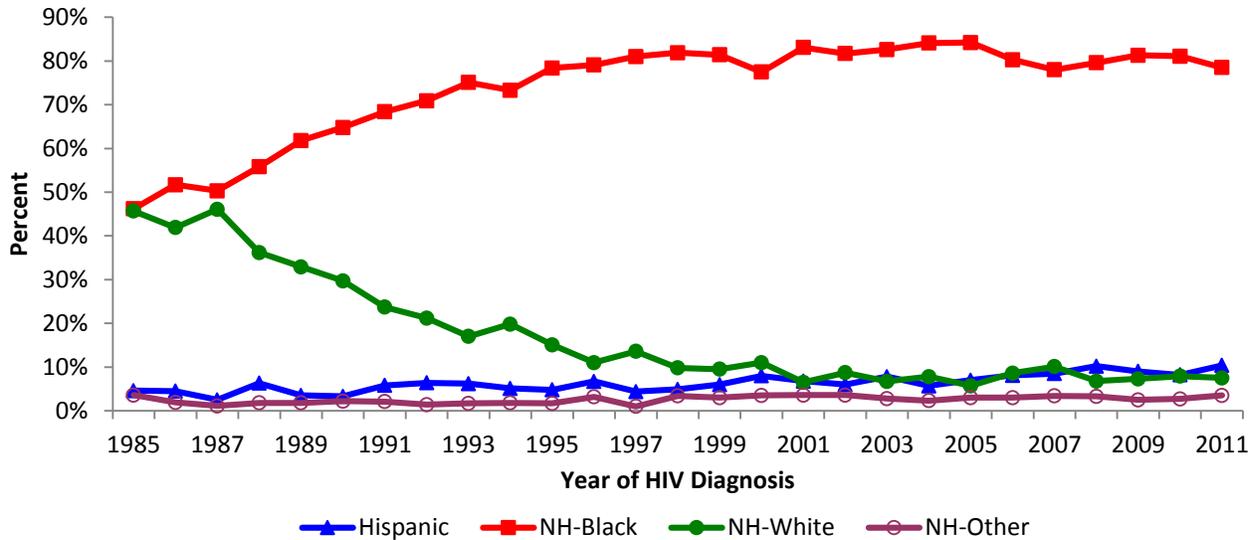
Percent by Sex at Birth of Adult/Adolescent Reported HIV Cases, Age 13+ at HIV Diagnosis, with or without an AIDS Diagnosis (Adult/Adolescent Reported HIV Diagnoses) by Year of HIV Diagnosis from 1985 through 2011, as Reported through 12/31/2012



YEAR OF HIV DIAGNOSIS	Adult/Adolescent Reported HIV Diagnoses			YEAR OF HIV DIAGNOSIS	Adult/Adolescent Reported HIV Diagnoses		
	No.	% Male	% Female		No.	% Male	% Female
<1985	99	89.9%	10.1%	1998	387	66.9%	33.1%
1985	197	86.8%	13.2%	1999	430	62.3%	37.7%
1986	265	86.0%	14.0%	2000	426	59.9%	40.1%
1987	356	84.3%	15.7%	2001	443	57.1%	42.9%
1988	398	80.9%	19.1%	2002	469	56.7%	43.3%
1989	490	84.1%	15.9%	2003	536	62.1%	37.9%
1990	491	76.2%	23.8%	2004	599	55.6%	44.4%
1991	569	78.6%	21.4%	2005	596	58.1%	41.9%
1992	499	76.6%	23.4%	2006	603	56.6%	43.4%
1993	418	75.4%	24.6%	2007	831	59.4%	40.6%
1994	393	74.6%	25.4%	2008	791	62.1%	37.9%
1995	417	68.8%	31.2%	2009	592	64.2%	35.8%
1996	374	67.9%	32.1%	2010	546	68.1%	31.9%
1997	411	61.8%	38.2%	2011	479	66.0%	34.0%
				<b>TOTAL</b>	13,105	67.4%	32.6%

**Figure 4 – Trends in Adult/Adolescent Reported HIV Diagnoses by Race/Ethnicity, 1985-2011, Reported through 12/31/2012**

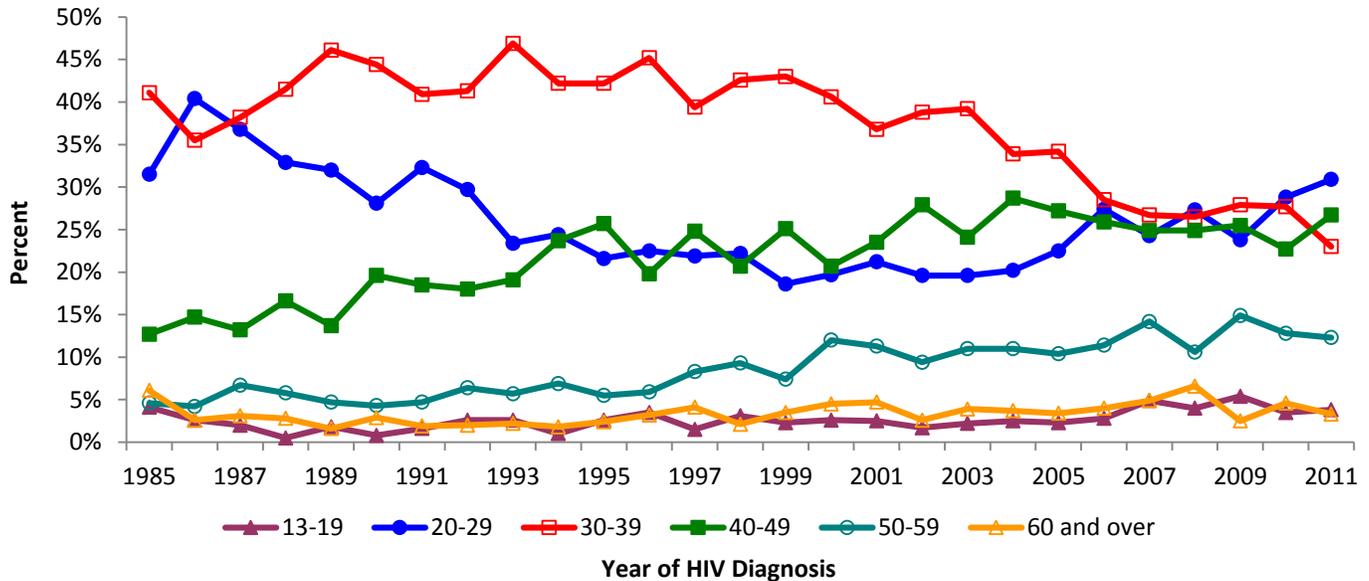
Percent by Race/Ethnicity of Adult/Adolescent Reported HIV Cases, Age 13+ at HIV Diagnosis, with or without an AIDS Diagnosis (Adult/Adolescent Reported HIV Diagnoses) by Year of HIV Diagnosis from 1985 through 2011, as Reported through 12/31/2012



YEAR OF HIV DIAGNOSIS	Adult/Adolescent Reported HIV Diagnoses				
	No.	% Hispanic	% Non-Hispanic Black, only	% Non-Hispanic White, only	% Non-Hispanic Other Race
<1985	99	2.0%	58.6%	39.4%	0.0%
1985	197	4.6%	46.2%	45.7%	3.6%
1986	265	4.5%	51.7%	41.9%	1.9%
1987	356	2.5%	50.3%	46.1%	1.1%
1988	398	6.3%	55.8%	36.2%	1.8%
1989	490	3.5%	61.8%	32.9%	1.8%
1990	491	3.3%	64.8%	29.7%	2.2%
1991	569	5.8%	68.4%	23.7%	2.1%
1992	499	6.4%	70.9%	21.2%	1.4%
1993	418	6.2%	75.1%	17.0%	1.7%
1994	393	5.1%	73.3%	19.8%	1.8%
1995	417	4.8%	78.4%	15.1%	1.7%
1996	374	6.7%	79.1%	11.0%	3.2%
1997	411	4.4%	81.0%	13.6%	1.0%
1998	387	4.9%	81.9%	9.8%	3.4%
1999	430	6.0%	81.4%	9.5%	3.0%
2000	426	8.0%	77.5%	11.0%	3.5%
2001	443	6.8%	83.1%	6.5%	3.6%
2002	469	6.0%	81.7%	8.7%	3.6%
2003	536	7.8%	82.6%	6.7%	2.8%
2004	599	5.7%	84.1%	7.8%	2.3%
2005	596	7.0%	84.2%	5.7%	3.0%
2006	603	8.1%	80.3%	8.6%	3.0%
2007	831	8.5%	78.0%	10.1%	3.4%
2008	791	10.2%	79.6%	6.8%	3.3%
2009	592	9.0%	81.3%	7.3%	2.5%
2010	546	8.2%	81.1%	7.9%	2.7%
2011	479	10.4%	78.5%	7.5%	3.5%
<b>TOTAL</b>	<b>13,105</b>	<b>6.6%</b>	<b>75.3%</b>	<b>15.5%</b>	<b>2.6%</b>

**Figure 5 – Trends in Adult/Adolescent Reported HIV Diagnoses by Age at Diagnosis, 1985-2011, Reported through 12/31/2012**

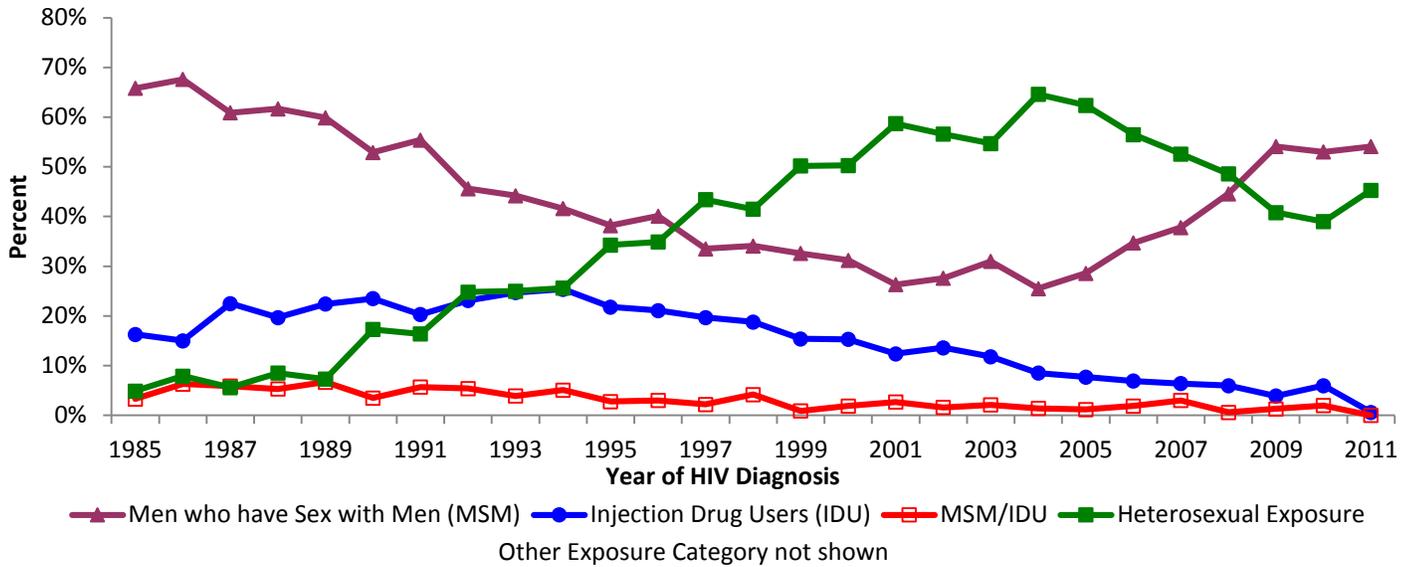
Percent by Age at HIV Diagnosis of Adult/Adolescent Reported HIV Cases, Age 13+ at HIV Diagnosis, with or without an AIDS Diagnosis (Adult/Adolescent Reported HIV Diagnoses) by Year of HIV Diagnosis from 1985 through 2011, as Reported through 12/31/2012



YEAR OF HIV DIAGNOSIS	Reported Adult/Adolescent HIV Diagnoses						
	No.	% Age 13-19	% Age 20-29	% Age 30-39	% Age 40-49	% Age 50-59	% Age 60+
<1985	99	7.1%	35.4%	32.3%	18.2%	4.0%	3.0%
1985	197	4.1%	31.5%	41.1%	12.7%	4.6%	6.1%
1986	265	2.6%	40.4%	35.5%	14.7%	4.2%	2.6%
1987	356	2.0%	36.8%	38.2%	13.2%	6.7%	3.1%
1988	398	0.5%	32.9%	41.5%	16.6%	5.8%	2.8%
1989	490	1.8%	32.0%	46.1%	13.7%	4.7%	1.6%
1990	491	0.8%	28.1%	44.4%	19.6%	4.3%	2.9%
1991	569	1.6%	32.3%	40.9%	18.5%	4.7%	1.9%
1992	499	2.6%	29.7%	41.3%	18.0%	6.4%	2.0%
1993	418	2.6%	23.4%	46.9%	19.1%	5.7%	2.2%
1994	393	1.0%	24.4%	42.2%	23.7%	6.9%	1.8%
1995	417	2.6%	21.6%	42.2%	25.7%	5.5%	2.4%
1996	374	3.5%	22.5%	45.2%	19.8%	5.9%	3.2%
1997	411	1.5%	21.9%	39.4%	24.8%	8.3%	4.1%
1998	387	3.1%	22.2%	42.6%	20.7%	9.3%	2.1%
1999	430	2.3%	18.6%	43.0%	25.1%	7.4%	3.5%
2000	426	2.6%	19.7%	40.6%	20.7%	12.0%	4.5%
2001	443	2.5%	21.2%	36.8%	23.5%	11.3%	4.7%
2002	469	1.7%	19.6%	38.8%	27.9%	9.4%	2.6%
2003	536	2.2%	19.6%	39.2%	24.1%	11.0%	3.9%
2004	599	2.5%	20.2%	33.9%	28.7%	11.0%	3.7%
2005	596	2.3%	22.5%	34.2%	27.2%	10.4%	3.4%
2006	603	2.8%	27.4%	28.5%	25.9%	11.4%	4.0%
2007	831	4.9%	24.3%	26.7%	24.9%	14.2%	4.9%
2008	791	4.0%	27.3%	26.5%	24.9%	10.6%	6.6%
2009	592	5.4%	23.8%	27.9%	25.5%	14.9%	2.5%
2010	546	3.5%	28.8%	27.7%	22.7%	12.8%	4.6%
2011	479	3.8%	30.9%	23.0%	26.7%	12.3%	3.3%
<b>TOTAL</b>	<b>13,105</b>	<b>2.8%</b>	<b>25.8%</b>	<b>36.4%</b>	<b>22.5%</b>	<b>9.1%</b>	<b>3.5%</b>

**Figure 6 – Trends in Adult/Adolescent Reported HIV Diagnoses by Exposure Category, 1985-2011, Reported through 12/31/2012**

Percent by Exposure Category of Adult/Adolescent Reported HIV Cases, Age 13+ at HIV Diagnosis, with or without an AIDS Diagnosis (Adult/Adolescent Reported HIV Diagnoses) and with Reported Exposure Category by Year of HIV Diagnosis from 1985 through 2011, as Reported through 12/31/2012



YEAR	Adult/Adolescent Reported HIV Diagnoses						
	No.	With Exposure Category					% Other Exposure
		No.	% MSM	% IDU	% MSM/IDU	% HET	
<1985	99	88	70.5%	13.6%	4.5%	8.0%	3.4%
1985	197	184	65.8%	16.3%	3.3%	4.9%	9.8%
1986	265	253	67.6%	15.0%	6.3%	7.9%	3.2%
1987	356	338	60.9%	22.5%	5.9%	5.6%	5.0%
1988	398	376	61.7%	19.7%	5.3%	8.5%	4.8%
1989	490	451	59.9%	22.4%	6.7%	7.3%	3.8%
1990	491	456	52.9%	23.5%	3.5%	17.3%	2.9%
1991	569	513	55.4%	20.3%	5.7%	16.4%	2.3%
1992	499	428	45.6%	23.1%	5.4%	24.8%	1.2%
1993	418	360	44.2%	24.7%	3.9%	25.0%	2.2%
1994	393	351	41.6%	25.4%	5.1%	25.6%	2.3%
1995	417	353	38.2%	21.8%	2.8%	34.3%	2.8%
1996	374	304	40.1%	21.1%	3.0%	34.9%	1.0%
1997	411	325	33.5%	19.7%	2.2%	43.4%	1.2%
1998	387	287	34.1%	18.8%	4.2%	41.5%	1.4%
1999	430	319	32.6%	15.4%	0.9%	50.2%	0.9%
2000	426	308	31.2%	15.3%	1.9%	50.3%	1.3%
2001	443	339	26.3%	12.4%	2.7%	58.7%	0.0%
2002	469	369	27.6%	13.6%	1.6%	56.6%	0.5%
2003	536	439	31.0%	11.8%	2.1%	54.7%	0.5%
2004	599	435	25.5%	8.5%	1.4%	64.6%	0.0%
2005	596	402	28.6%	7.7%	1.2%	62.4%	0.0%
2006	603	377	34.7%	6.9%	1.9%	56.5%	0.0%
2007	831	437	37.8%	6.4%	3.0%	52.6%	0.2%
2008	791	352	44.6%	6.0%	0.6%	48.6%	0.3%
2009	592	233	54.1%	3.9%	1.3%	40.8%	0.0%
2010	546	200	53.0%	6.0%	2.0%	39.0%	0.0%
2011	479	159	54.1%	0.6%	0.0%	45.3%	0.0%
<b>TOTAL</b>	<b>13,105</b>	<b>9,436</b>	<b>43.2%</b>	<b>15.7%</b>	<b>3.3%</b>	<b>36.1%</b>	<b>1.7%</b>

### Section III – Adult/Adolescent Cases by Jurisdiction

**Table 1 – Adult/Adolescent HIV Diagnoses during 2011, First CD4 Test Result, Percent Linked to Care, and Percent Late Diagnosis, by Jurisdiction, Reported through 12/31/2012**

JURISDICTION OF RESIDENCE AT HIV DIAGNOSIS	Population Age 13+	Adult/Adolescent Reported HIV Diagnoses							
		No.	% of Total	Rate	First CD4 Test Result			% Linked to Care	% Late HIV Diagnosis
					No. with Test	% with Test	Median Count		
Montgomery	821,218	147	30.7%	17.9	117	79.6%	324	61.2%	32.7%
Prince George's	723,543	332	69.3%	45.9	247	74.4%	288	65.7%	37.0%
REGION TOTAL	1,544,761	479	100.0%	31.0	364	76.0%	310	64.3%	35.7%

**Adult/Adolescent Reported HIV Diagnoses:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an initial HIV diagnosis during the specified year.

**Jurisdiction of Residence at HIV Diagnosis:** Jurisdiction of residence at time of initial HIV diagnosis.

**Population Age 13+:** Population age 13 years or older, estimate for 7/1/2011.

**Rate:** A proportion used to represent risk for disease within a given population. It is calculated by dividing the number of diagnoses by the number of persons at risk (population estimate).

**Median Count (First CD4):** Median CD4 count (cells per microliter) of the first CD4 test result reported within 12 months following initial HIV diagnosis.

**Percent Linked to Care:** Percent of adult/adolescent reported HIV diagnoses with a CD4 or viral load test performed less than or equal to 3 months after their initial HIV diagnosis.

**Percent Late HIV Diagnosis (for HIV diagnoses):** Percent of adult/adolescent reported HIV diagnoses with an initial AIDS diagnosis less than or equal to 12 months after their initial HIV diagnosis.

**Table 2 – Adult/Adolescent AIDS Diagnoses during 2011, Mean Years from HIV Diagnosis and Percent Late HIV Diagnosis, by Jurisdiction, Reported through 12/31/2012**

JURISDICTION OF RESIDENCE AT AIDS DIAGNOSIS	Population Age 13+	Adult/Adolescent Reported AIDS Diagnoses				
		No.	% of Total	Rate	Mean Years from HIV Diagnosis	% Late HIV Diagnosis
Montgomery	821,218	57	24.9%	6.9	1.7	73.7%
Prince George's	723,543	172	75.1%	23.8	2.3	65.1%
REGION TOTAL	1,544,761	229	100.0%	14.8	2.2	67.2%

**Adult/Adolescent Reported AIDS Diagnoses:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an initial AIDS diagnosis during the specified year.

**Jurisdiction of Residence at AIDS Diagnosis:** Jurisdiction of residence at time of initial AIDS diagnosis.

**Population Age 13+:** Population age 13 years or older, estimate for 7/1/2011.

**Rate:** A proportion used to represent risk for disease within a given population. It is calculated by dividing the number of diagnoses by the number of persons at risk (population estimate).

**Mean Years from HIV Diagnosis (to AIDS Diagnosis):** Mean number of years from initial HIV diagnosis to initial AIDS diagnosis for cases with a reported AIDS diagnosis.

**Percent Late HIV Diagnosis (for AIDS diagnoses):** Percent of adult/adolescent reported AIDS diagnoses with an initial HIV diagnosis less than or equal to 12 months prior to their initial AIDS diagnosis.

**Table 3 – Adult/Adolescent HIV Cases Alive on 12/31/2011, by Jurisdiction, Reported through 12/31/2012**

JURISDICTION OF RESIDENCE AT DIAGNOSIS	Population Age 13+	Adult/Adolescent Living HIV Cases without AIDS			Adult/Adolescent Living HIV Cases with AIDS			Adult/Adolescent Total Living HIV Cases			
		No.	% of Total	Rate	No.	% of Total	Rate	No.	% of Total	Rate	Ratio (1 in X)
Montgomery	821,218	1,269	34.4%	154.5	1,664	36.2%	202.6	2,933	35.4%	357.2	279
Prince George's	723,543	2,425	65.6%	335.2	2,927	63.8%	404.5	5,352	64.6%	739.7	135
REGION TOTAL	1,544,761	3,694	100.0%	239.1	4,591	100.0%	297.2	8,285	100.0%	536.3	186

**Jurisdiction of Residence at Diagnosis:** Jurisdiction of residence at later of time of initial HIV diagnosis or time of initial AIDS diagnosis.

**Population Age 13+:** Population greater than or equal to 13 years old, estimate for 7/1/2011.

**Adult/Adolescent Living HIV Cases without AIDS:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, without an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Adult/Adolescent Living HIV Cases with AIDS:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Adult/Adolescent Total Living HIV Cases:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Rate:** A proportion used to represent risk for disease within a given population. It is calculated by dividing the number of diagnoses by the number of persons at risk (population estimate).

**Ratio (1 in X):** Number of people for every 1 living HIV case in the population, or 1 living HIV case in every X number of people.

**Table 4 – CD4 Test Results for Adult/Adolescent HIV Cases Alive on 12/31/2011, Reported through 12/31/2012**

JURISDICTION OF RESIDENCE AT DIAGNOSIS	Adult/Adolescent Total Living HIV Cases							
	No.	Recent CD4 Test Result						
		No. with Test	% with Test	Median Count	<200	200-349	350-499	500+
Montgomery	2,933	938	32.0%	481	13.4%	17.1%	23.7%	45.8%
Prince George's	5,352	1,863	34.8%	432	20.4%	17.1%	21.1%	41.3%
REGION TOTAL	8,285	2,801	33.8%	449	18.1%	17.1%	22.0%	42.8%

**Adult/Adolescent Total Living HIV Cases:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Recent CD4 Test Result:** The most recent CD4 test result reported in the 12 months prior to December 31<sup>st</sup> of the specified year.

**Jurisdiction of Residence at Diagnosis:** Jurisdiction of residence at later of time of initial HIV diagnosis or time of initial AIDS diagnosis.

**Median Count (Recent CD4):** Median CD4 count (cells per microliter) of the most recent CD4 test result reported in the 12 months prior to December 31<sup>st</sup> of the specified year.

**CD4 Result Distribution (<200, 200-349, 350-499, 500+):** Percent of cases with a CD4 test distributed by their CD4 count results (cells per microliter).

**Table 5 – Viral Load Test Results for Adult/Adolescent HIV Cases Alive on 12/31/2011, by Jurisdiction, Reported through 12/31/2012**

JURISDICTION OF RESIDENCE AT DIAGNOSIS	Adult/Adolescent Total Living HIV Cases				
	No.	Recent Viral Load Test Result			
		No. with Test	% with Test	% Suppressed	Median Unsuppressed
Montgomery	2,933	933	31.8%	79.1%	13,725
Prince George's	5,352	1,873	35.0%	70.2%	20,268
REGION TOTAL	8,285	2,806	33.9%	73.2%	16,840

**Adult/Adolescent Total Living HIV Cases:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Jurisdiction of Residence at Diagnosis:** Jurisdiction of residence at later of time of initial HIV diagnosis or time of initial AIDS diagnosis.

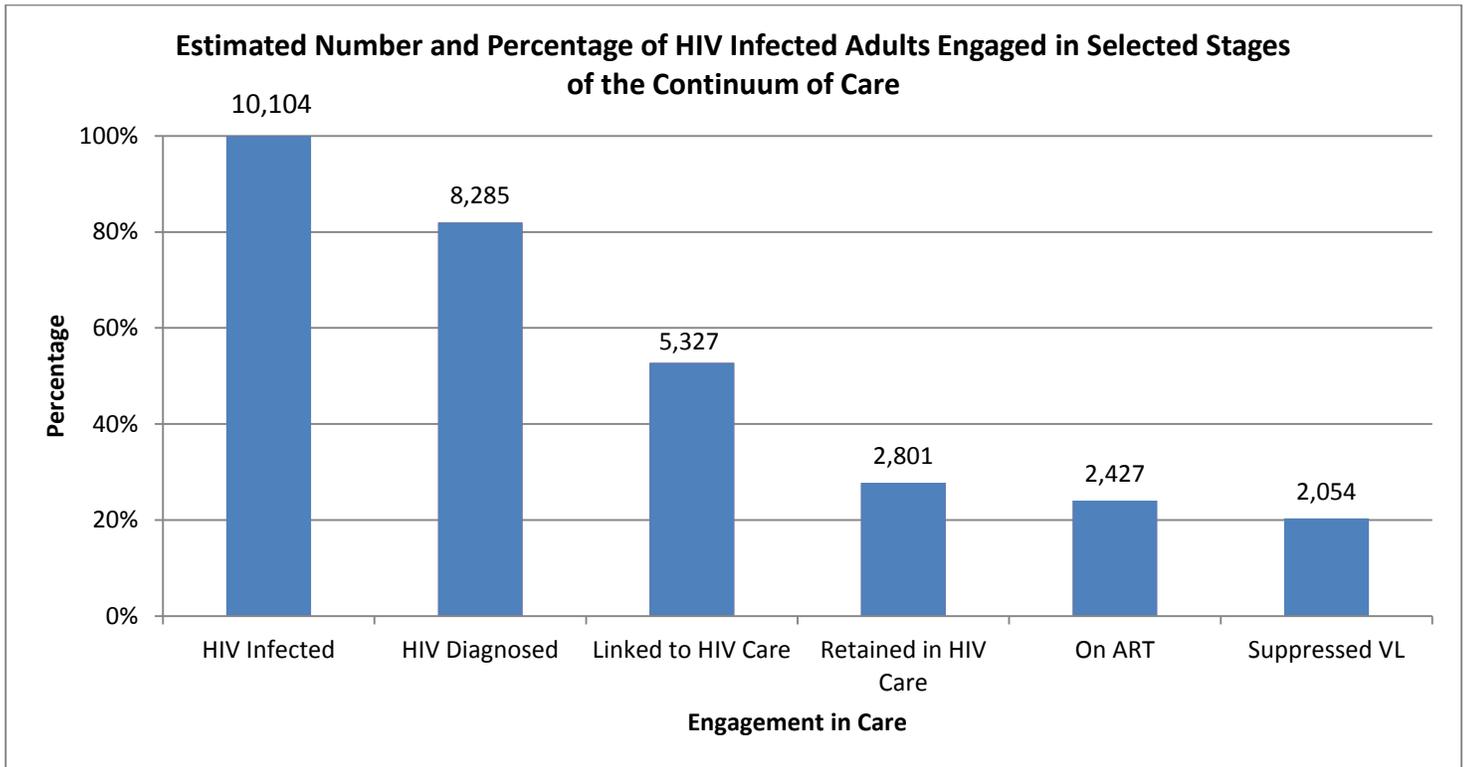
**Recent Viral Load Test Result:** The most recent viral load test result reported in the 12 months prior to December 31<sup>st</sup> of the specified year.

**Percent Suppressed (Viral Load):** Percent of adult/adolescent total living HIV cases with a most recent viral load reported in the 12 months prior to December 31<sup>st</sup> of the specified year of less than 400 copies per milliliter.

**Median Unsuppressed (Viral Load):** Median unsuppressed viral load (copies per milliliter) among adult/adolescent living HIV cases with a most recent viral load test result reported in the 12 months prior to December 31<sup>st</sup> of the specified year of 400 copies per milliliter or greater.

**Figure 7 – Estimated Adult/Adolescent 2011 HIV Continuum of Care, Reported through 12/31/2012**

In their 2011 article in *Clinical Infectious Diseases*, Gardner et al. utilize a continuum of care “cascade” to illustrate national estimates of the number of persons living with HIV who belong to each of the stages of engagement in HIV care. The Maryland Engagement in HIV Care Cascade (below) uses the national estimate of the number of undiagnosed persons (18%) to generate an estimated total number of HIV infected persons in Maryland, and then uses local data to describe the number and percentage of persons living with HIV in Maryland who belong to each of the stages of engagement in HIV care.



Continuum of Care Stage	Number	Percentage
HIV Infected	10,104	100.0%
HIV Diagnosed	8,285	82.0%
Linked to HIV Care	5,327	52.7%
Retained in HIV Care	2,801	27.7%
On ART	2,427	24.0%
Suppressed VL	2,054	20.3%

**HIV Infected:** HIV Diagnosed divided by one minus the national estimate of undiagnosed HIV infections (18%).

**HIV Diagnosed:** Adult/adolescent total living HIV cases as of December 31<sup>st</sup> of the specified year.

**Linked to HIV Care:** HIV Diagnosed multiplied by the percent of adult/adolescent reported HIV diagnoses during the specified year with a reported CD4 or viral load test performed less than or equal to 3 months after their initial HIV diagnosis.

**Retained in HIV Care:** HIV Diagnosed with a CD4 test result reported in the 12 months prior to December 31<sup>st</sup> of the specified year

**On ART:** Estimated number of HIV Diagnosed receiving antiretroviral therapy (ART) during the specified year.

**Suppressed Viral Load:** HIV Diagnosed with the most recent viral load reported in the 12 months prior to December 31<sup>st</sup> of the specified year of less than 400 copies per milliliter.

## Section IV – Cases by Age

**Table 6 – HIV Diagnoses during 2011, First CD4 Test Result, Percent Linked to Care, and Percent Late Diagnosis, by Age at HIV Diagnosis, Reported through 12/31/2012**

AGE AT HIV DIAGNOSIS	Population	Reported HIV Diagnoses							
		No.	% of Total	Rate	First CD4 Test Result			% Linked to Care	% Late Diagnosis
					No. with Test	% with Test	Median Count		
<5 (Pediatric)	124,065	1	0.2%	0.8	***	***	***	***	***
5-12 (Pediatric)	192,201	2	0.4%	1.0	***	***	***	***	***
13-19	174,909	18	3.7%	10.3	11	61.1%	417	50.0%	22.2%
20-29	257,586	148	30.7%	57.5	114	77.0%	389	61.5%	23.6%
30-39	257,510	110	22.8%	42.7	86	78.2%	258	61.8%	46.4%
40-49	278,696	128	26.6%	45.9	101	78.9%	234	71.1%	43.8%
50-59	262,579	59	12.2%	22.5	44	74.6%	247	69.5%	40.7%
60+	313,481	16	3.3%	5.1	8	50.0%	342	50.0%	6.3%
TOTAL	1,861,027	482	100.0%	25.9	366	75.9%	310	64.3%	35.5%

\*\*\* Data withheld due to low population counts and/or case counts

**Table 7 – AIDS Diagnoses during 2011, Mean Years from HIV Diagnosis and Percent Late HIV Diagnosis, by Age at AIDS Diagnosis, Reported through 12/31/2012**

AGE AT AIDS DIAGNOSIS	Population	Reported AIDS Diagnoses				
		No.	% of Total	Rate	Mean Years from HIV Diagnosis	% Late HIV Diagnosis
<5 (Pediatric)	124,065	0	0.0%	0.0	--	--
5-12 (Pediatric)	192,201	0	0.0%	0.0	--	--
13-19	174,909	3	1.3%	1.7	***	***
20-29	257,586	47	20.5%	18.2	1.4	72.3%
30-39	257,510	71	31.0%	27.6	2.5	63.4%
40-49	278,696	72	31.4%	25.8	2.4	68.1%
50-59	262,579	31	13.5%	11.8	2.3	64.5%
60+	313,481	5	2.2%	1.6	3.1	60.0%
TOTAL	1,861,027	229	100.0%	12.3	2.2	67.2%

\*\*\* Data withheld due to low population counts and/or case counts

**Reported HIV Diagnoses:** Reported HIV diagnoses with an initial HIV diagnosis during the specified year.

**Age at HIV Diagnosis:** Age group at time of initial HIV diagnosis.

**Population:** Population estimate for 7/1/2011.

**Rate:** A proportion used to represent risk for disease within a given population. It is calculated by dividing the number of diagnoses by the number of persons at risk (population estimate).

**First CD4 Test Result:** First reported CD4 test result obtained within 12 months following initial HIV diagnosis.

**Median Count (First CD4):** Median CD4 count (cells per microliter) of the first CD4 test result reported within 12 months following initial HIV diagnosis.

**Percent Linked to Care:** Percent of adult/adolescent reported HIV diagnoses with a CD4 or viral load test performed less than or equal to 3 months after their initial HIV diagnosis.

**Percent Late HIV Diagnosis (for AIDS diagnoses):** Percent of adult/adolescent reported AIDS diagnoses with an initial HIV diagnosis less than or equal to 12 months prior to their initial AIDS diagnosis.

**Percent Late HIV Diagnosis (for HIV diagnoses):** Percent of adult/adolescent reported HIV diagnoses with an initial AIDS diagnosis less than or equal to 12 months after their initial HIV diagnosis.

**Age at AIDS Diagnosis:** Age group at time of initial AIDS diagnosis.

**Reported AIDS Diagnoses:** Reported HIV diagnoses with an initial AIDS diagnosis during the specified year.

**Mean Years from HIV Diagnosis (to AIDS Diagnosis):** Mean number of years from initial HIV diagnosis to initial AIDS diagnosis for cases with a reported AIDS diagnosis.

**Table 8 – HIV Cases Alive on 12/31/2011, by Age on 12/31/2011, Reported through 12/31/2012**

AGE ON 12/31/2011	Population	Living HIV Cases without AIDS			Living HIV Cases with AIDS			Total Living HIV Cases			
		No.	%	Rate	No.	%	Rate	No.	%	Rate	Ratio (1 in X)
<5 (Pediatric)	124,065	6	0.2%	4.8	0	0.0%	0.0	6	0.1%	4.8	20,677
5-12 (Pediatric)	192,201	36	1.0%	18.7	4	0.1%	2.1	40	0.5%	20.8	4,805
13-19	174,909	65	1.7%	37.2	30	0.6%	17.2	95	1.1%	54.3	1,841
20-29	257,586	644	17.0%	250.0	282	6.1%	109.5	926	11.0%	359.5	278
30-39	257,510	942	24.9%	365.8	876	18.9%	340.2	1,818	21.6%	706.0	141
40-49	278,696	1,130	29.9%	405.5	1,717	37.0%	616.1	2,847	33.8%	1,021.5	97
50-59	262,579	693	18.3%	263.9	1,239	26.7%	471.9	1,932	22.9%	735.8	135
60+	313,481	266	7.0%	84.9	496	10.7%	158.2	762	9.0%	243.1	411
TOTAL	1,861,027	3,782	100.0%	203.2	4,644	100.0%	249.5	8,426	100.0%	452.8	220

**Age on [date]:** Age group of living cases on the specified date.

**Population:** Population estimate for 7/1/2011.

**Adult/Adolescent Living HIV Cases without AIDS:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, without an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Adult/Adolescent Living HIV Cases with AIDS:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Adult/Adolescent Total Living HIV Cases:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Rate:** A proportion used to represent risk for disease within a given population. It is calculated by dividing the number of diagnoses by the number of persons at risk (population estimate).

**Ratio (1 in X):** Number of people for every 1 living HIV case in the population, or 1 living HIV case in every X number of people.

**Table 9 – CD4 Test Results for Adult/Adolescent HIV Cases Alive on 12/31/2011, by Age on 12/31/2011, Reported through 12/31/2012**

AGE ON 12/31/2011	Adult/Adolescent Total Living HIV Cases								
	No.	Recent CD4 Test Result						350-499	500+
		No. with Test	% with Test	Median Count	<200	200-349			
13-19	41	16	39.0%	407	12.5%	6.3%	43.8%	37.5%	
20-29	888	349	39.3%	416	19.5%	20.6%	21.5%	38.4%	
30-39	1,817	643	35.4%	448	17.6%	16.6%	23.3%	42.5%	
40-49	2,846	950	33.4%	432	20.5%	17.9%	20.3%	41.3%	
50-59	1,932	615	31.8%	480	16.3%	15.3%	22.0%	46.5%	
60+	761	228	30.0%	486	12.3%	15.4%	24.6%	47.8%	
TOTAL	8,285	2,801	33.8%	449	18.1%	17.1%	22.0%	42.8%	

**Table 10 – Viral Load Test Results for Adult/Adolescent HIV Cases Alive on 12/31/2011, by Age on 12/31/2011, Reported through 12/31/2012**

AGE ON 12/31/2011	Adult/Adolescent Total Living HIV Cases				
	No.	Recent Viral Load Test Result			
		No. with Test	% with Test	% Suppressed	Median Unsuppressed
13-19	41	18	43.9%	38.9%	10,000
20-29	888	354	39.9%	51.1%	16,840
30-39	1,817	639	35.2%	72.8%	14,481
40-49	2,846	945	33.2%	75.2%	23,512
50-59	1,932	627	32.5%	80.1%	13,725
60+	761	223	29.3%	83.9%	31,514
TOTAL	8,285	2,806	33.9%	73.2%	16,840

**Adult/Adolescent Total Living HIV Cases:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Age on [date]:** Age group of living cases on the specified date.

**Recent CD4 Test Result:** The most recent CD4 test result reported in the 12 months prior to December 31<sup>st</sup> of the specified year.

**Median Count (Recent CD4):** Median CD4 count (cells per microliter) of the most recent CD4 test result reported in the 12 months prior to December 31<sup>st</sup> of the specified year

**CD4 Result Distribution (<200, 200-349, 350-499, 500+):** Percent of cases with a CD4 test distributed by their CD4 count results (cells per microliter).

**Recent Viral Load Test Result:** The most recent viral load test result reported in the 12 months prior to December 31<sup>st</sup> of the specified year.

**Percent Suppressed (Viral Load):** Percent of adult/adolescent total living HIV cases with a most recent viral load reported in the 12 months prior to December 31<sup>st</sup> of the specified year of less than 400 copies per milliliter.

**Median Unsuppressed (Viral Load):** Median unsuppressed viral load (copies per milliliter) among adult/adolescent living HIV cases with a most recent viral load test result reported in the 12 months prior to December 31<sup>st</sup> of the specified year of 400 copies per milliliter or greater.

## Section V – Adult/Adolescent Cases by Demographics

**Table 11 – Adult/Adolescent HIV Diagnoses during 2011, First CD4 Test Result, Percent Linked to Care, and Percent Late Diagnosis, by Sex at Birth, Race/Ethnicity and Country of Birth, Reported through 12/31/2012**

SEX AT BIRTH	Population Age 13+*	Adult/Adolescent Reported HIV Diagnoses							
		No.	% of Total	Rate	First CD4 Test Result			% Linked to Care	% Late Diagnosis
					No. with Test	% with Test	Median Count		
Male	732,875	316	66.0%	43.1	238	75.3%	298	61.1%	36.1%
Female	811,886	163	34.0%	20.1	126	77.3%	322	70.6%	35.0%
TOTAL	1,544,761	479	100.0%	31.0	364	76.0%	310	64.3%	35.7%

RACE/ETHNICITY	Population Age 13+*	Adult/Adolescent Reported HIV Diagnoses							
		No.	% of Total	Rate	First CD4 Test Result			% Linked to Care	% Late Diagnosis
					No. with Test	% with Test	Median Count		
Hispanic	234,068	50	10.4%	21.4	39	78.0%	253	70.0%	42.0%
Non-Hispanic	1,310,693	429	89.6%	32.7	325	75.8%	312	63.6%	35.0%
American Indian/ Alaska Native, only	3,357	1	0.2%	29.8	***	***	***	***	***
Asian, only	149,679	6	1.3%	4.0	***	***	***	***	***
Black, only	595,203	376	78.5%	63.2	281	74.7%	309	63.3%	35.4%
Native Hawaiian/Other Pacific Islander, only	816	0	0.0%	0.0	--	--	--	--	--
White, only	534,857	36	7.5%	6.7	30	83.3%	456	61.1%	30.6%
Multiracial/Other	26,781	10	2.1%	37.3	8	80.0%	308	80.0%	40.0%
TOTAL	1,544,761	479	100.0%	31.0	364	76.0%	310	64.3%	35.7%

COUNTRY OF BIRTH	Population Age 13+**	Adult/Adolescent Reported HIV Diagnoses							
		No.	% of Total	Rate	First CD4 Test Result			% Linked to Care	% Late Diagnosis
					No. with Test	% with Test	Median Count		
United States	1,058,309	320	66.8%	30.2	239	74.7%	294	60.9%	34.7%
Foreign-born	462,933	48	10.0%	10.4	39	81.3%	326	81.3%	54.2%
Africa	--	32	6.7%	--	27	84.4%	330	84.4%	56.3%
Asia	--	1	0.2%	--	***	***	***	***	***
Caribbean	--	3	0.6%	--	***	***	***	***	***
Central America	--	8	1.7%	--	7	87.5%	99	75.0%	75.0%
Other	--	4	0.8%	--	***	***	***	***	***
Unknown	--	111	23.2%	--	86	77.5%	335	66.7%	30.6%
TOTAL	1,521,242	479	100.0%	31.5	364	76.0%	310	64.3%	35.7%

\* Population data by sex at birth, age, and race/ethnicity are from the 2011 U.S. Census

\*\* Population data by country of birth are from the 2011 American Community Survey

\*\*\* Data withheld due to low population and/or case counts

**Adult/Adolescent Reported HIV Diagnoses:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an initial HIV diagnosis during the specified year.

**Population Age 13+:** Population greater than or equal to 13 years old, estimate for 7/1/2011.

**Rate:** A proportion used to represent risk for disease within a given population. It is calculated by dividing the number of diagnoses by the number of persons at risk (population estimate).

**First CD4 Test Result:** First reported CD4 test result obtained within 12 months following initial HIV diagnosis.

**Median Count (First CD4):** Median CD4 count (cells per microliter) of the first CD4 test result reported within 12 months following initial HIV diagnosis.

**Percent Linked to Care:** Percent of adult/adolescent reported HIV diagnoses with a CD4 or viral load test performed less than or equal to 3 months after their initial HIV diagnosis.

**Percent Late HIV Diagnosis (for HIV diagnoses):** Percent of adult/adolescent reported HIV diagnoses with an initial AIDS diagnosis less than or equal to 12 months after their initial HIV diagnosis.

**Table 12 – Adult/Adolescent AIDS Diagnoses during 2011, Mean Years from HIV Diagnosis and Percent Late HIV Diagnosis, by Sex at Birth, Race/Ethnicity and Country of Birth, Reported through 12/31/2012**

SEX AT BIRTH	Population Age 13+*	Adult/Adolescent Reported AIDS Diagnoses				
		No.	% of Total	Rate	Mean Years from HIV Diagnosis	% Late HIV Diagnosis
Male	732,875	145	63.3%	19.8	2.0	69.7%
Female	811,886	84	36.7%	10.3	2.5	63.1%
TOTAL	1,544,761	229	100.0%	14.8	2.2	67.2%

RACE/ETHNICITY	Population Age 13+*	Adult/Adolescent Reported AIDS Diagnoses				
		No.	% of Total	Rate	Mean Years from HIV Diagnosis	% Late HIV Diagnosis
Hispanic	234,068	24	10.5%	10.3	1.3	79.2%
Non-Hispanic	1,310,693	205	89.5%	15.6	2.3	65.9%
American Indian/ Alaska Native, only	3,357	1	0.4%	29.8	***	***
Asian, only	149,679	2	0.9%	1.3	***	***
Black, only	595,203	182	79.5%	30.6	2.3	65.4%
Native Hawaiian/Other Pacific Islander, only	816	0	0.0%	0.0	--	--
White, only	534,857	12	5.2%	2.2	0.7	83.3%
Multiracial/Other	26,781	8	3.5%	29.9	5.5	50.0%
TOTAL	1,544,761	229	100.0%	14.8	2.2	67.2%

COUNTRY OF BIRTH	Population Age 13+**	Adult/Adolescent Reported AIDS Diagnoses				
		No.	% of Total	Rate	Mean Years from HIV Diagnosis	% Late HIV Diagnosis
United States	1,058,309	161	70.3%	15.2	2.8	59.0%
Foreign-born	462,933	31	13.5%	6.7	1.1	80.6%
Africa	--	20	8.7%	--	1.1	85.0%
Asia	--	2	0.9%	--	***	***
Caribbean	--	1	0.4%	--	***	***
Central America	--	7	3.1%	--	0.5	85.7%
Other	--	1	0.4%	--	***	***
Unknown	--	37	16.2%	--	0.5	91.9%
TOTAL	1,521,242	229	100.0%	15.1	2.2	67.2%

\* Population data by sex at birth, age, and race/ethnicity are from the 2011 U.S. Census

\*\* Population data by country of birth are from the 2011 American Community Survey

\*\*\* Data withheld due to low population and/or case counts

**Adult/Adolescent Reported AIDS Diagnoses:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an initial AIDS diagnosis during the specified year.

**Population Age 13+:** Population greater than or equal to 13 years old, estimate for 7/1/2011.

**Rate:** A proportion used to represent risk for disease within a given population. It is calculated by dividing the number of diagnoses by the number of persons at risk (population estimate).

**Mean Years from HIV Diagnosis (to AIDS Diagnosis):** Mean number of years from initial HIV diagnosis to initial AIDS diagnosis for cases with a reported AIDS diagnosis.

**Percent Late HIV Diagnosis (for AIDS diagnoses):** Percent of adult/adolescent reported AIDS diagnoses with an initial HIV diagnosis less than or equal to 12 months prior to their initial AIDS diagnosis.

**Table 13 – Adult/Adolescent Living HIV Cases with and without AIDS by Sex at Birth, Race/Ethnicity, and Country of Birth, Alive on 12/31/2011 and Reported through 12/31/2012**

SEX AT BIRTH	Population Age 13+	Adult/Adolescent Living HIV Cases without AIDS			Adult/Adolescent Living HIV Cases with AIDS			Adult/Adolescent Total Living HIV Cases			
		No.	%	Rate	No.	%	Rate	No.	%	Rate	Ratio (1 in X)
Male	732,875	2,211	59.9%	301.7	2,879	62.7%	392.8	5,090	61.4%	694.5	143
Female	811,886	1,483	40.1%	182.7	1,712	37.3%	210.9	3,195	38.6%	393.5	254
Total	1,544,761	3,694	100.0%	239.1	4,591	100.0%	297.2	8,285	100.0%	536.3	186

RACE/ ETHNICITY	Population Age 13+	Adult/Adolescent Living HIV Cases without AIDS			Adult/Adolescent Living HIV Cases with AIDS			Adult/Adolescent Total Living HIV Cases			
		No.	%	Rate	No.	%	Rate	No.	%	Rate	Ratio (1 in X)
Hispanic	234,068	267	7.2%	114.1	421	9.2%	179.9	688	8.3%	293.9	340
Non-Hispanic	1,310,693	3,427	92.8%	261.5	4,170	90.8%	318.2	7,597	91.7%	579.6	172
American Indian/Alaska Native, only	3,357	***	***	***	***	***	***	***	***	***	***
Asian, only	149,679	39	1.1%	26.1	26	0.6%	17.4	65	0.8%	43.4	2,302
Black, only	595,203	2,932	79.4%	492.6	3,558	77.5%	597.8	6,490	78.3%	1,090.4	91
Native Hawaiian/ Other Pacific Islander, only	816	***	***	***	***	***	***	***	***	***	***
White, only	534,857	388	10.5%	72.5	463	10.1%	86.6	851	10.3%	159.1	628
Multiracial/Other	26,781	59	1.6%	220.3	118	2.6%	440.6	177	2.1%	660.9	151
TOTAL	1,544,761	3,694	100.0%	239.1	4,591	100.0%	297.2	8,285	100.0%	536.3	186

COUNTRY OF BIRTH	Population Age 13+	Adult/Adolescent Living HIV Cases without AIDS			Adult/Adolescent Living HIV Cases with AIDS			Adult/Adolescent Total Living HIV Cases			
		No.	%	Rate	No.	%	Rate	No.	%	Rate	Ratio (1 in X)
United States	1,058,309	2,962	80.2%	279.9	3,507	76.4%	331.4	6,469	78.1%	611.3	163
Foreign-born	462,933	547	14.8%	118.2	1,013	22.1%	218.8	1,560	18.8%	337.0	296
Africa	--	334	9.0%	--	644	14.0%	--	978	11.8%	--	--
Asia	--	21	0.6%	--	26	0.6%	--	47	0.6%	--	--
Caribbean	--	36	1.0%	--	77	1.7%	--	113	1.4%	--	--
Central America	--	62	1.7%	--	161	3.5%	--	223	2.7%	--	--
Other	--	94	2.5%	--	105	2.3%	--	199	2.4%	--	--
Unknown	--	185	5.0%	--	71	1.5%	--	256	3.1%	--	--
TOTAL	1,521,242	3,694	100.0%	242.8	4,591	100.0%	301.8	8,285	100.0%	544.6	183

\* Population data by sex at birth, age, and race/ethnicity are from the 2011 U.S. Census

\*\* Population data by country of birth are from the 2011 American Community Survey

\*\*\* Data withheld due to low population and/or case counts

**Population Age 13+:** Population greater than or equal to 13 years old, estimate for 7/1/2011.

**Adult/Adolescent Living HIV Cases without AIDS:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, without an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Adult/Adolescent Living HIV Cases with AIDS:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Adult/Adolescent Total Living HIV Cases:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Rate:** A proportion used to represent risk for disease within a given population. It is calculated by dividing the number of diagnoses by the number of persons at risk (population estimate).

**Ratio (1 in X):** Number of people for every 1 living HIV case in the population, or 1 living HIV case in every X number of people.

**Table 14 –Adult/Adolescent Total Living HIV Cases, Recent CD4 Test Results, by Sex at Birth, Race/Ethnicity and Country of Birth, Alive on 12/31/2011 and Reported through 12/31/2012**

SEX AT BIRTH	Adult/Adolescent Total Living HIV Cases							
	No.	Recent CD4 Test Result						500+
		No. with Test	% with Test	Median Count	<200	200-349	350-499	
Male	5,090	1,660	32.6%	435	19.8%	18.3%	21.3%	40.7%
Female	3,195	1,141	35.7%	473	15.6%	15.4%	23.0%	46.0%
TOTAL	8,285	2,801	33.8%	449	18.1%	17.1%	22.0%	42.8%

RACE/ETHNICITY	Adult/Adolescent Total Living HIV Cases							
	No.	Recent CD4 Test Result						500+
		No. with Test	% with Test	Median Count	<200	200-349	350-499	
Hispanic	688	252	36.6%	442	18.3%	19.8%	20.6%	41.3%
Non-Hispanic	7,597	2,549	33.6%	452	18.0%	16.8%	22.1%	43.0%
American Indian/ Alaska Native, only	6	***	***	***	***	***	***	***
Asian, only	65	14	21.5%	425	14.3%	14.3%	28.6%	42.9%
Black, only	6,490	2,223	34.3%	442	18.2%	17.1%	22.5%	42.2%
Native Hawaiian/Other Pacific Islander, only	8	***	***	***	***	***	***	***
White, only	851	216	25.4%	509	15.7%	13.4%	19.4%	51.4%
Multiracial/Other	177	92	52.0%	417	20.7%	18.5%	18.5%	42.4%
TOTAL	8,285	2,801	33.8%	449	18.1%	17.1%	22.0%	42.8%

COUNTRY OF BIRTH	Adult/Adolescent Total Living HIV Cases							
	No.	Recent CD4 Test Result						500+
		No. with Test	% with Test	Median Count	<200	200-349	350-499	
United States	6,469	2,018	31.2%	443	19.3%	16.9%	21.2%	42.6%
Foreign-born	1,560	636	40.8%	484	13.1%	15.9%	25.0%	46.1%
Africa	978	419	42.8%	482	12.9%	16.5%	25.8%	44.9%
Asia	47	19	40.4%	534	21.1%	0.0%	21.1%	57.9%
Caribbean	113	43	38.1%	543	11.6%	11.6%	18.6%	58.1%
Central America	223	87	39.0%	442	17.2%	19.5%	29.9%	33.3%
Other	199	68	34.2%	534	7.4%	14.7%	19.1%	58.8%
Unknown	256	147	57.4%	369	22.4%	24.5%	20.4%	32.7%
TOTAL	8,285	2,801	33.8%	449	18.1%	17.1%	22.0%	42.8%

\*\*\* Data withheld due to low population counts and/or case counts

**Adult/Adolescent Total Living HIV Cases:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Recent CD4 Test Result:** The most recent CD4 test result reported in the 12 months prior to December 31<sup>st</sup> of the specified year.

**Median Count (Recent CD4):** Median CD4 count (cells per microliter) of the most recent CD4 test result reported in the 12 months prior to December 31<sup>st</sup> of the specified year.

**CD4 Result Distribution (<200, 200-349, 350-499, 500+):** Percent of cases with a CD4 test distributed by their CD4 count results (cells per microliter).

**Table 15 – Adult/Adolescent Total Living HIV Cases, Recent Viral Load Test Results, by Sex at Birth, Race/Ethnicity and Country of Birth, Alive on 12/31/2011 and Reported through 12/31/2012**

SEX AT BIRTH	Adult/Adolescent Total Living HIV Cases				
	No.	Recent Viral Load Test Result			
		No. with Test	% with Test	% Suppressed	Median Unsuppressed
Male	5,090	1,654	32.5%	71.4%	20,100
Female	3,195	1,152	36.1%	75.7%	14,645
TOTAL	8,285	2,806	33.9%	73.2%	16,840

RACE/ETHNICITY	Adult/Adolescent Total Living HIV Cases				
	No.	Recent Viral Load Test Result			
		No. with Test	% with Test	% Suppressed	Median Unsuppressed
Hispanic	688	250	36.3%	76.0%	12,522
Non-Hispanic	7,597	2,556	33.6%	72.9%	17,657
American Indian/ Alaska Native, only	6	***	***	***	***
Asian, only	65	13	20.0%	61.5%	13,938
Black, only	6,490	2,240	34.5%	72.1%	16,316
Native Hawaiian/ Other Pacific Islander, only	8	***	***	***	***
White, only	851	214	25.1%	83.6%	32,450
Multiracial/Other	177	85	48.0%	67.1%	14,141
TOTAL	8,285	2,806	33.9%	73.2%	16,840

COUNTRY OF BIRTH	Adult/Adolescent Total Living HIV Cases				
	No.	Recent Viral Load Test Result			
		No. with Test	% with Test	% Suppressed	Median Unsuppressed
United States	6,469	2,037	31.5%	71.1%	21,484
Foreign-born	1,560	621	39.8%	82.4%	8,444
Africa	978	411	42.0%	83.2%	9,355
Asia	47	17	36.2%	76.5%	100,847
Caribbean	113	43	38.1%	69.8%	2,721
Central America	223	83	37.2%	84.3%	9,157
Other	199	67	33.7%	85.1%	5,318
Unknown	256	148	57.8%	62.8%	15,433
TOTAL	8,285	2,806	33.9%	73.2%	16,840

\*\*\* Data withheld due to low population counts and/or case counts

**Adult/Adolescent Total Living HIV Cases:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.

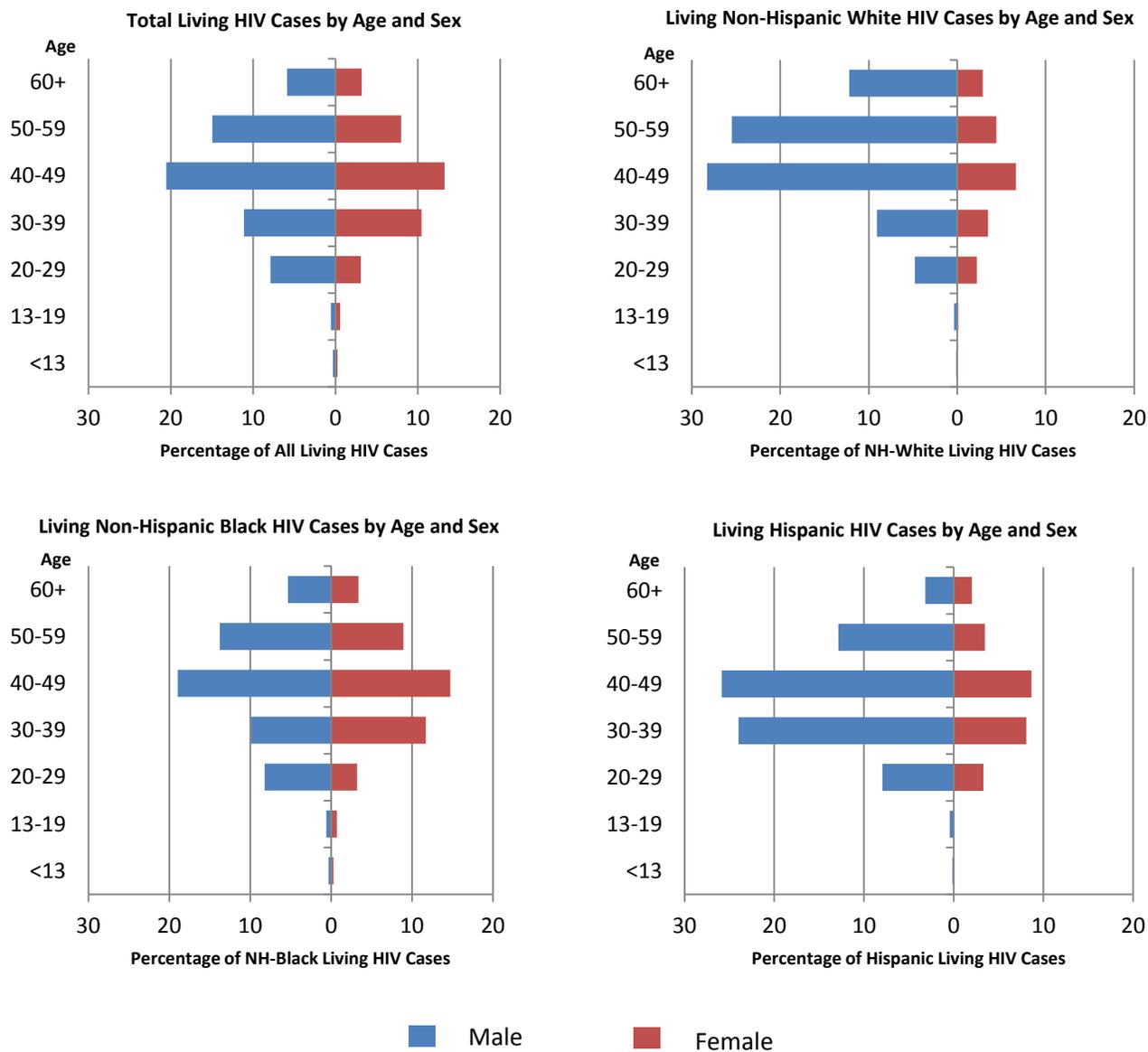
**Recent Viral Load Test Result:** The most recent viral load test result reported in the 12 months prior to December 31<sup>st</sup> of the specified year.

**Percent Suppressed (Viral Load):** Percent of adult/adolescent total living HIV cases with a most recent viral load reported in the 12 months prior to December 31<sup>st</sup> of the specified year of less than 400 copies per milliliter.

**Median Unsuppressed (Viral Load):** Median unsuppressed viral load (copies per milliliter) among adult/adolescent living HIV cases with a most recent viral load test result reported in the 12 months prior to December 31<sup>st</sup> of the specified year of 400 copies per milliliter or greater.

## Section VI – HIV Cases by Expanded Demographics

**Figure 8 – Population Pyramids of Total Living HIV Cases by Current Age, Sex at Birth, and Race/Ethnicity, Alive on 12/31/2011 and Reported through 12/31/2012**



**Total Living HIV Cases:** Reported HIV diagnoses with or without an AIDS diagnosis and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Table 16 – Total Living Male HIV Cases by Current Age and Race/Ethnicity, Alive on 12/31/2011 and Reported through 12/31/2012**

MALES						
AGE ON 12/31/2011		RACE/ETHNICITY				TOTAL MALES BY AGE GROUP
		Hispanic	Non-Hispanic Black, only	Non-Hispanic White, only	Non-Hispanic Other Race	
<13 (Pediatric)	Population	36,570	62,599	40,806	21,299	161,275
	Cases	1	22	1	2	26
	Rate	2.7	35.1	2.5	9.4	16.1
	Ratio (1 in X)	36,570	2,845	40,806	10,649	6,202
13-19	Population	16,149	37,631	25,692	10,471	89,942
	Cases	3	41	3	1	48
	Rate	18.6	109.0	11.7	9.6	53.4
	Ratio (1 in X)	5,383	917	8,564	10,471	1,873
20-29	Population	31,503	47,413	36,511	14,635	130,062
	Cases	55	544	41	26	666
	Rate	174.6	1,147.4	112.3	177.7	512.1
	Ratio (1 in X)	572	87	890	562	195
30-39	Population	32,631	43,129	32,180	15,973	123,913
	Cases	166	653	78	40	937
	Rate	508.7	1,514.1	242.4	250.4	756.2
	Ratio (1 in X)	196	66	412	399	132
40-49	Population	22,213	51,632	42,071	15,116	131,032
	Cases	179	1,253	243	56	1,731
	Rate	805.8	2,426.8	577.6	370.5	1,321.1
	Ratio (1 in X)	124	41	173	269	75
50-59	Population	12,333	44,478	52,291	13,006	122,108
	Cases	89	910	219	43	1,261
	Rate	721.6	2,046.0	418.8	330.6	1,032.7
	Ratio (1 in X)	138	48	238	302	96
60+	Population	7,817	43,060	70,053	14,888	135,818
	Cases	22	352	105	16	495
	Rate	281.4	817.5	149.9	107.5	364.5
	Ratio (1 in X)	355	122	667	930	274
TOTAL MALES BY RACE/ETHNICITY	Population	159,216	329,942	299,604	105,388	894,150
	Cases	515	3,775	690	184	5,164
	Rate	323.5	1,144.1	230.3	174.6	577.5
	Ratio (1 in X)	309	87	434	572	173

**Age on [date]:** Age group of living cases on the specified date.

**Total Living HIV Cases:** Reported HIV diagnoses with or without an AIDS diagnosis and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Population:** Population estimate for 7/1/2011.

**Rate:** A proportion used to represent risk for disease within a given population. It is calculated by dividing the number of diagnoses by the number of persons at risk (population estimate).

**Ratio (1 in X):** Number of people for every 1 living HIV case in the population, or 1 living HIV case in every X number of people.

**Table 17 – Total Living Female HIV Cases by Current Age and Race/Ethnicity, Alive on 12/31/2011 and Reported through 12/31/2012**

FEMALES						
AGE ON 12/31/2011		RACE/ETHNICITY				TOTAL FEMALES BY AGE GROUP
		Hispanic	Non-Hispanic Black, only	Non-Hispanic White, only	Non-Hispanic, Other Race	
<13 (Pediatric)	Population	34,772	60,378	38,970	20,872	154,991
	Cases	0	19	0	1	20
	Rate	0.0	31.5	0.0	4.8	12.9
	Ratio (1 in X)	--	3,177	--	20,872	7,749
13-19	Population	14,953	36,421	23,456	10,136	84,967
	Cases	0	46	1	0	47
	Rate	0.0	126.3	4.3	0.0	55.3
	Ratio (1 in X)	--	791	23,456	--	1,807
20-29	Population	25,337	52,594	34,358	15,235	127,524
	Cases	23	212	19	6	260
	Rate	90.8	403.1	55.3	39.4	203.9
	Ratio (1 in X)	1,101	248	1,808	2,539	490
30-39	Population	26,735	54,638	33,181	19,043	133,597
	Cases	56	775	30	20	881
	Rate	209.5	1,418.4	90.4	105.0	659.4
	Ratio (1 in X)	477	70	1,106	952	151
40-49	Population	20,199	64,682	44,432	18,351	147,664
	Cases	60	973	57	26	1,116
	Rate	297.0	1,504.3	128.3	141.7	755.8
	Ratio (1 in X)	336	66	779	705	132
50-59	Population	12,957	57,569	54,266	15,679	140,471
	Cases	24	591	38	18	671
	Rate	185.2	1,026.6	70.0	114.8	477.7
	Ratio (1 in X)	539	97	1,428	871	209
60+	Population	11,241	61,956	86,366	18,100	177,663
	Cases	14	223	25	5	267
	Rate	124.5	359.9	28.9	27.6	150.3
	Ratio (1 in X)	802	277	3,454	3,620	665
TOTAL FEMALES BY RACE/ETHNICITY	Population	146,194	388,238	315,029	117,416	966,877
	Cases	177	2,839	170	76	3,262
	Rate	121.1	731.3	54.0	64.7	337.4
	Ratio (1 in X)	825	136	1,853	1,544	296

**Age on [date]:** Age group of living cases on the specified date.

**Total Living HIV Cases:** Reported HIV diagnoses with or without an AIDS diagnosis and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Population:** Population estimate for 7/1/2011.

**Rate:** A proportion used to represent risk for disease within a given population. It is calculated by dividing the number of diagnoses by the number of persons at risk (population estimate).

**Ratio (1 in X):** Number of people for every 1 living HIV case in the population, or 1 living HIV case in every X number of people.

## Section VII – HIV Exposure Category

**Table 18 – Adult/Adolescent HIV Diagnoses during 2011, First CD4 Test Result, Percent Linked to Care, and Percent Late Diagnosis, by Exposure Category and Sex at Birth, Reported through 12/31/2012**

EXPOSURE CATEGORY	Adult/Adolescent Reported HIV Diagnoses					
	No.	% of Total with Exposure	First CD4 Test Result		% Linked to Care	% Late Diagnosis
			% with Test	Median Count		
With Exposure	159	100.0%	88.1%	312	76.1%	41.5%
Men who have Sex with Men (MSM)	86	54.1%	84.9%	360	70.9%	30.2%
Injection Drug Users (IDU)	***	***	***	***	***	***
Men who have Sex with Men and Inject Drugs (MSM/IDU)	0	0.0%	--	--	--	--
Heterosexual Exposure (HET)	72	45.3%	93.1%	256	83.3%	55.6%
Other Exposures	***	***	***	***	***	***
No Reported Exposure	320		70.0%	309	58.4%	32.8%
TOTAL	479		76.0%	310	64.3%	35.7%

MALES EXPOSURE CATEGORY	Adult/Adolescent Reported HIV Diagnoses					
	No.	% of Total with Exposure	First CD4 Test Result		% Linked to Care	% Late Diagnosis
			% with Test	Median Count		
With Exposure	119	100.0%	85.7%	323	74.8%	39.5%
Men who have Sex with Men (MSM)	86	72.3%	84.9%	360	70.9%	30.2%
Injection Drug Users (IDU)	***	***	***	***	***	***
Men who have Sex with Men and Inject Drugs (MSM/IDU)	0	0.0%	--	--	--	--
Heterosexual Exposure (HET)	33	27.7%	87.9%	137	84.8%	63.6%
Other Exposures	***	***	***	***	***	***
No Reported Exposure	197		69.0%	287	52.8%	34.0%
TOTAL	316		75.3%	298	61.1%	36.1%

FEMALES EXPOSURE CATEGORY	Adult/Adolescent Reported HIV Diagnoses					
	No.	% of Total with Exposure	First CD4 Test Result		% Linked to Care	% Late Diagnosis
			% with Test	Median Count		
With Exposure	40	100.0%	95.0%	284	80.0%	47.5%
Injection Drug Users (IDU)	***	***	***	***	***	***
Heterosexual Exposure (HET)	39	97.5%	97.4%	284	82.1%	48.7%
Other Exposures	***	***	***	***	***	***
No Reported Exposure	123		71.5%	335	67.5%	30.9%
TOTAL	163		77.3%	322	70.6%	35.0%

\*\*\* Data withheld due to low population and/or case counts

**Adult/Adolescent Reported HIV Diagnoses:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an initial HIV diagnosis during the specified year.

**First CD4 Test Result:** First reported CD4 test result obtained within 12 months following initial HIV diagnosis.

**Median Count (First CD4):** Median CD4 count (cells per microliter) of the first CD4 test result reported within 12 months following initial HIV diagnosis.

**Percent Linked to Care:** Percent of adult/adolescent reported HIV diagnoses with a CD4 or viral load test performed less than or equal to 3 months after their initial HIV diagnosis.

**Percent Late HIV Diagnosis (for HIV diagnoses):** Percent of adult/adolescent reported HIV diagnoses with an initial AIDS diagnosis less than or equal to 12 months after their initial HIV diagnosis.

**Table 19 – Adult/Adolescent AIDS Diagnoses during 2011, Mean Years from HIV Diagnosis and Percent Late HIV Diagnosis, by Exposure Category and Sex at Birth, Reported through 12/31/2012**

EXPOSURE CATEGORY	Adult/Adolescent Reported AIDS Diagnoses			
	No.	% of Total with Exposure	Mean Years from HIV Diagnosis	% Late HIV Diagnosis
With Exposure	89	100.0%	2.5	66.3%
Men who have Sex with Men (MSM)	34	38.2%	3.0	61.8%
Injection Drug Users (IDU)	***	***	***	***
Men who have Sex with Men and Inject Drugs (MSM/IDU)	0	0.0%	--	--
Heterosexual Exposure (HET)	51	57.3%	1.9	72.5%
Other Exposures	***	***	***	***
No Reported Exposure	140		1.9	67.9%
TOTAL	229		2.2	67.2%

MALE EXPOSURE CATEGORY	Adult/Adolescent Reported AIDS Diagnoses			
	No.	% of Total with Exposure	Mean Years from HIV Diagnosis	% Late HIV Diagnosis
With Exposure	61	100.0%	2.6	65.6%
Men who have Sex with Men (MSM)	34	55.7%	3.0	61.8%
Injection Drug Users (IDU)	***	***	***	***
Men who have Sex with Men and Inject Drugs (MSM/IDU)	0	0.0%	--	--
Heterosexual Exposure (HET)	23	37.7%	1.4	78.3%
Other Exposures	***	***	***	***
No Reported Exposure	84		1.5	72.6%
TOTAL	145		2.0	69.7%

FEMALE EXPOSURE CATEGORY	Adult/Adolescent Reported AIDS Diagnoses			
	No.	% of Total with Exposure	Mean Years from HIV Diagnosis	% Late HIV Diagnosis
With Exposure	28	100.0%	2.4	67.9%
Injection Drug Users (IDU)	***	***	***	***
Heterosexual Exposure (HET)	28	100.0%	2.4	67.9%
Other Exposures	***	***	***	***
No Reported Exposure	56		2.6	60.7%
TOTAL	84		2.5	63.1%

\*\*\* Data withheld due to low population and/or case counts

**Adult/Adolescent Reported AIDS Diagnoses:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an initial AIDS diagnosis during the specified year.

**Mean Years from HIV Diagnosis (to AIDS Diagnosis):** Mean number of years from initial HIV diagnosis to initial AIDS diagnosis for cases with a reported AIDS diagnosis.

**Percent Late HIV Diagnosis (for AIDS diagnoses):** Percent of adult/adolescent reported AIDS diagnoses with an initial HIV diagnosis less than or equal to 12 months prior to their initial AIDS diagnosis.

**Table 20 – Adult/Adolescent Living HIV Cases with and without AIDS by Exposure Category and Sex at Birth, Alive on 12/31/2011 and Reported through 12/31/2012**

EXPOSURE CATEGORY	Adult/Adolescent Living HIV Cases without AIDS		Adult/Adolescent Living HIV Cases with AIDS		Adult/Adolescent Total Living HIV Cases	
	No.	% of Total with Exposure	No.	% of Total with Exposure	No.	% of Total with Exposure
With Exposure	1,905	100.0%	3,429	100.0%	5,334	100.0%
Men who have Sex with Men (MSM)	838	44.0%	1,216	35.5%	2,054	38.5%
Injection Drug Users (IDU)	115	6.0%	404	11.8%	519	9.7%
Men who have Sex with Men and Inject Drugs (MSM/IDU)	29	1.5%	100	2.9%	129	2.4%
Heterosexual Exposure (HET)	915	48.0%	1,689	49.3%	2,604	48.8%
Other Exposures	8	0.4%	20	0.6%	28	0.5%
No Reported Exposure*	1,789		1,162		2,951	
TOTAL	3,694		4,591		8,285	

MALES EXPOSURE CATEGORY	Adult/Adolescent Living HIV Cases without AIDS		Adult/Adolescent Living HIV Cases with AIDS		Adult/Adolescent Total Living HIV Cases	
	No.	% of Total with Exposure	No.	% of Total with Exposure	No.	% of Total with Exposure
With Exposure	1,242	100.0%	2,228	100.0%	3,470	100.0%
Men who have Sex with Men (MSM)	838	67.5%	1,216	54.6%	2,054	59.2%
Injection Drug Users (IDU)	72	5.8%	252	11.3%	324	9.3%
Men who have Sex with Men and Inject Drugs (MSM/IDU)	29	2.3%	100	4.5%	129	3.7%
Heterosexual Exposure (HET)	301	24.2%	649	29.1%	950	27.4%
Other Exposures	2	0.2%	11	0.5%	13	0.4%
No Reported Exposure	969		651		1,620	
TOTAL	2,211		2,879		5,090	

FEMALES EXPOSURE CATEGORY	Adult/Adolescent Living HIV Cases without AIDS		Adult/Adolescent Living HIV Cases with AIDS		Adult/Adolescent Total Living HIV Cases	
	No.	% of Total with Exposure	No.	% of Total with Exposure	No.	% of Total with Exposure
With Exposure	663	100.0%	1,201	100.0%	1,864	100.0%
Injection Drug Users (IDU)	43	6.5%	152	12.7%	195	10.5%
Heterosexual Exposure (HET)	614	92.6%	1,040	86.6%	1,654	88.7%
Other Exposures	6	0.9%	9	0.7%	15	0.8%
No Reported Exposure*	820		511		1,331	
TOTAL	1,483		1,712		3,195	

\* Includes 13 HIV cases without AIDS and 26 HIV cases with AIDS with Presumed Female Heterosexual exposure

**Adult/Adolescent Living HIV Cases without AIDS:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, without an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Adult/Adolescent Living HIV Cases with AIDS:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Adult/Adolescent Total Living HIV Cases:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Table 21 – Adult/Adolescent Total Living HIV Cases by Exposure Category, Race/Ethnicity, and Sex at Birth, Alive on 12/31/2011 and Reported through 12/31/2012**

EXPOSURE CATEGORY	Adult/Adolescent Total Living HIV Cases					
	Race/Ethnicity					
	Hispanic		Non-Hispanic, Black, only		Non-Hispanic, White, only	
	No.	% of Total with Exposure	No.	% of Total with Exposure	No.	% of Total with Exposure
With Exposure	494	100.0%	4,053	100.0%	610	100.0%
Men who have Sex with Men (MSM)	198	40.1%	1,339	33.0%	427	70.0%
Injection Drug Users (IDU)	27	5.5%	411	10.1%	60	9.8%
Men who have Sex with Men and Inject Drugs (MSM/IDU)	10	2.0%	90	2.2%	22	3.6%
Heterosexual Exposure (HET)	258	52.2%	2,196	54.2%	91	14.9%
Other Exposures	1	0.2%	17	0.4%	10	1.6%
No Reported Exposure*	194		2,437		241	
TOTAL	688		6,490		851	

MALES EXPOSURE CATEGORY	Adult/Adolescent Total Living HIV Cases					
	Race/Ethnicity					
	Hispanic		Non-Hispanic, Black, only		Non-Hispanic, White, only	
	No.	% of Total with Exposure	No.	% of Total with Exposure	No.	% of Total with Exposure
With Exposure	371	100.0%	2,441	100.0%	527	100.0%
Men who have Sex with Men (MSM)	198	53.4%	1,339	54.9%	427	81.0%
Injection Drug Users (IDU)	21	5.7%	251	10.3%	37	7.0%
Men who have Sex with Men and Inject Drugs (MSM/IDU)	10	2.7%	90	3.7%	22	4.2%
Heterosexual Exposure (HET)	141	38.0%	756	31.0%	34	6.5%
Other Exposures	1	0.3%	5	0.2%	7	1.3%
No Reported Exposure	141		1,272		157	
TOTAL	512		3,713		684	

FEMALES EXPOSURE CATEGORY	Adult/Adolescent Total Living HIV Cases					
	Race/Ethnicity					
	Hispanic		Non-Hispanic, Black, only		Non-Hispanic, White, only	
	No.	% of Total with Exposure	No.	% of Total with Exposure	No.	% of Total with Exposure
With Exposure	123	100.0%	1,612	100.0%	83	100.0%
Injection Drug Users (IDU)	6	4.9%	160	9.9%	23	27.7%
Heterosexual Exposure (HET)	117	95.1%	1,440	89.3%	57	68.7%
Other Exposures	0	0.0%	12	0.7%	3	3.6%
No Reported Exposure*	53		1,165		84	
TOTAL	176		2,777		167	

\* Includes 2 Hispanic cases, 34 non-Hispanic black cases, and 2 non-Hispanic white cases with Presumed Female Heterosexual exposure

**Adult/Adolescent Total Living HIV Cases:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Table 22 – Adult/Adolescent Total Living HIV Cases, Recent CD4 Test Results by Exposure Category, Alive on 12/31/2011 and Reported through 12/31/2012**

EXPOSURE CATEGORY	Adult/Adolescent Total Living HIV Cases							
	No.	Recent CD4 Test Result						500+
		No. with Test	% with Test	Median Count	<200	200-349	350-499	
With Exposure	5,334	1,844	34.6%	454	16.8%	17.3%	23.0%	43.0%
Men who have Sex with Men (MSM)	2,054	653	31.8%	454	15.3%	19.6%	22.7%	42.4%
Injection Drug Users (IDU)	519	145	27.9%	392	26.9%	15.2%	21.4%	36.6%
Men who have Sex with Men and Inject Drugs (MSM/IDU)	129	36	27.9%	364	25.0%	22.2%	25.0%	27.8%
Heterosexual Exposure (HET)	2,604	1,003	38.5%	473	16.0%	16.0%	23.4%	44.7%
Other Exposures	28	7	25.0%	539	14.3%	14.3%	14.3%	57.1%
No Reported Exposure*	2,951	957	32.4%	439	20.6%	16.7%	20.1%	42.6%
TOTAL	8,285	2,801	33.8%	449	18.1%	17.1%	22.0%	42.8%

\* Includes 39 cases with Presumed Female Heterosexual exposure

**Table 23 – Adult/Adolescent Total Living HIV Cases, Recent Viral Load Test Results by Exposure Category, Alive on 12/31/2011 and Reported through 12/31/2012**

EXPOSURE CATEGORY	Adult/Adolescent Total Living HIV Cases				
	No.	Recent Viral Load Test Result			Median Unsuppressed
		No. with Test	% with Test	% Suppressed	
With Exposure	5,334	1,834	34.4%	75.5%	15,371
Men who have Sex with Men (MSM)	2,054	652	31.7%	71.9%	19,973
Injection Drug Users (IDU)	519	132	25.4%	71.2%	30,308
Men who have Sex with Men and Inject Drugs (MSM/IDU)	129	36	27.9%	72.2%	48,687
Heterosexual Exposure (HET)	2,604	1,007	38.7%	78.5%	11,391
Other Exposures	28	7	25.0%	85.7%	85,260
No Reported Exposure*	2,951	972	32.9%	68.7%	22,056
TOTAL	8,285	2,806	33.9%	73.2%	16,840

\* Includes 39 cases with Presumed Female Heterosexual exposure

**Adult/Adolescent Total Living HIV Cases:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Recent CD4 Test Result:** The most recent CD4 test result reported in the 12 months prior to December 31<sup>st</sup> of the specified year.

**Median Count (Recent CD4):** Median CD4 count (cells per microliter) of the most recent CD4 test result reported in the 12 months prior to December 31<sup>st</sup> of the specified year.

**CD4 Result Distribution (<200, 200-349, 350-499, 500+):** Percent of cases with a CD4 test distributed by their CD4 count results (cells per microliter).

**Recent Viral Load Test Result:** The most recent viral load test result reported in the 12 months prior to December 31<sup>st</sup> of the specified year.

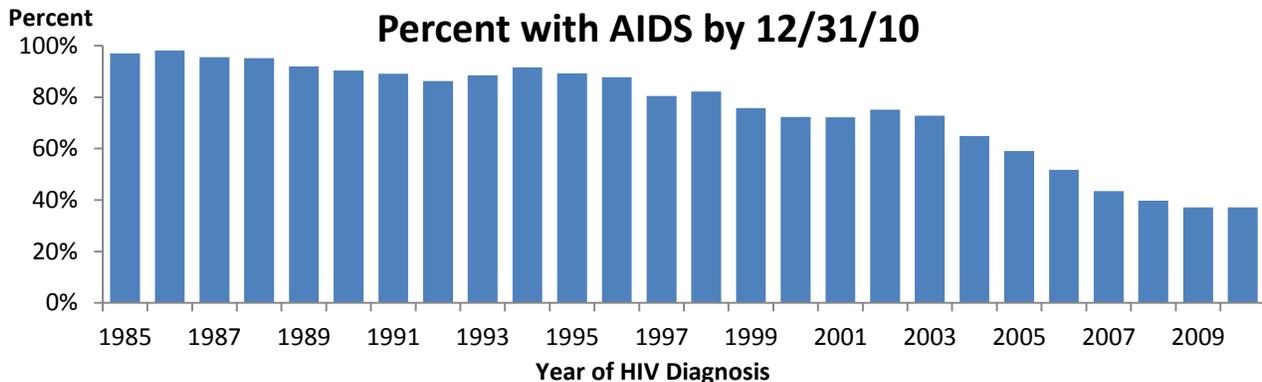
**Percent Suppressed (Viral Load):** Percent of adult/adolescent total living HIV cases with a most recent viral load reported in the 12 months prior to December 31<sup>st</sup> of the specified year of less than 400 copies per milliliter.

**Median Unsuppressed (Viral Load):** Median unsuppressed viral load (copies per milliliter) among adult/adolescent living HIV cases with a most recent viral load test result reported in the 12 months prior to December 31<sup>st</sup> of the specified year of 400 copies per milliliter or greater.

## Section VIII – Disease Progression and Mortality

**Figure 9 – Trends in Disease Progression by Year of HIV Diagnosis, 1985-2010, Reported through 12/31/2012**

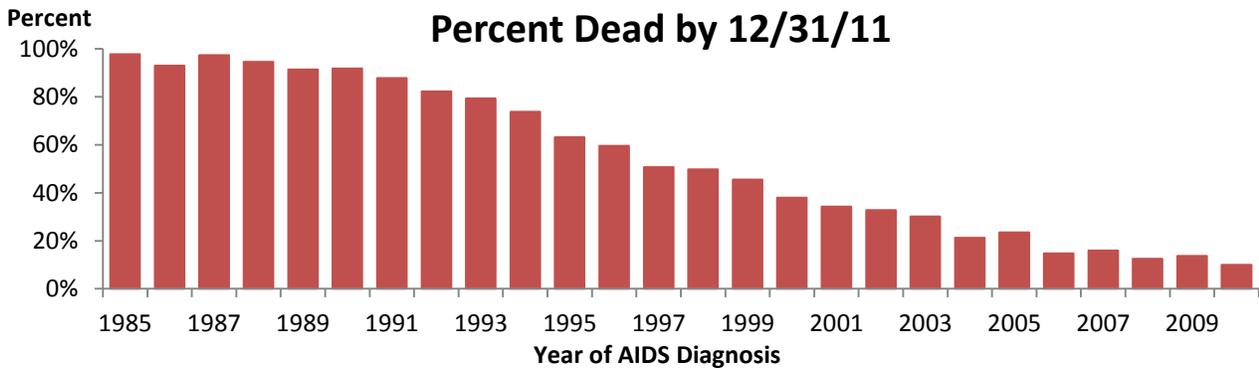
Number of Adult/Adolescent Reported HIV Cases, Age 13+ at HIV Diagnosis, with or without an AIDS Diagnosis by 12/31/2010 (Adult/Adolescent Reported HIV Diagnoses), Number of Adult/Adolescent Reported HIV Cases with an AIDS Diagnosis by 12/31/2011 (Reported AIDS Diagnoses), Percent by Year of HIV Diagnosis of Adult/Adolescent Reported HIV Diagnoses with a Reported AIDS Diagnosis by 12/31/2011, the Average Years from HIV Diagnosis to AIDS Diagnosis for Cases with an AIDS Diagnosis, and the Percent by Year of HIV Diagnosis of Reported Adult/Adolescent HIV Diagnoses with a Reported AIDS Diagnosis at 1 Year, 2 Years, 5 Years, and 10 Years after HIV Diagnosis, by Year of HIV Diagnosis from 1985 through 2010, as Reported by Name through 12/31/2012



YEAR OF HIV DIAGNOSIS	Adult/Adolescent Reported HIV Diagnoses							
	No.	Reported AIDS Diagnoses			Percent with AIDS by Years After HIV Diagnosis			
		No.	% with AIDS	Mean Years from HIV to AIDS	1 Year	2 Years	5 Years	10 Years
<1985	99	94	94.9%	6.5	47.5%	47.5%	51.5%	64.6%
1985	197	191	97.0%	5.4	44.2%	45.7%	50.3%	76.6%
1986	265	260	98.1%	4.6	43.4%	44.5%	54.7%	87.5%
1987	356	340	95.5%	3.3	50.8%	51.7%	66.6%	88.2%
1988	398	379	95.2%	2.8	50.5%	54.8%	75.1%	90.2%
1989	490	451	92.0%	2.7	50.2%	53.1%	73.9%	86.7%
1990	491	444	90.4%	2.3	50.5%	57.8%	76.0%	86.6%
1991	569	507	89.1%	2.2	52.2%	60.1%	77.9%	84.4%
1992	499	430	86.2%	2.5	50.3%	57.1%	71.9%	79.6%
1993	418	370	88.5%	1.9	59.3%	65.6%	76.1%	84.2%
1994	393	360	91.6%	1.4	68.7%	74.0%	80.9%	89.1%
1995	417	372	89.2%	1.5	67.1%	73.1%	77.9%	86.6%
1996	374	328	87.7%	1.6	64.7%	67.4%	77.0%	84.8%
1997	411	331	80.5%	1.4	61.6%	65.2%	71.5%	78.6%
1998	387	318	82.2%	1.6	59.9%	63.8%	70.8%	79.1%
1999	430	326	75.8%	1.1	60.7%	64.2%	68.4%	74.2%
2000	426	308	72.3%	1.1	57.0%	59.6%	65.7%	71.4%
2001	443	320	72.2%	1.1	56.4%	58.5%	66.8%	71.3%
2002	469	352	75.1%	0.6	64.4%	68.0%	72.9%	--
2003	536	390	72.8%	0.7	61.9%	64.4%	68.3%	--
2004	599	389	64.9%	0.7	55.9%	57.8%	60.8%	--
2005	596	352	59.1%	0.5	52.5%	54.4%	57.7%	--
2006	603	312	51.7%	0.6	43.6%	45.8%	50.1%	--
2007	831	361	43.4%	0.5	37.4%	38.5%	--	--
2008	791	315	39.8%	0.4	34.9%	36.9%	--	--
2009	592	220	37.2%	0.3	33.4%	35.3%	--	--
2010	546	203	37.2%	0.2	33.7%	--	--	--
<b>TOTAL</b>	<b>12,626</b>	<b>9,023</b>	<b>71.5%</b>	<b>1.7</b>	<b>51.2%</b>	<b>54.5%</b>	<b>62.3%</b>	<b>68.8%</b>

**Figure 10 – Trends in Survival Times by Year of AIDS Diagnosis, 1985-2010, Reported through 12/31/2012**

Number of Adult/Adolescent Reported HIV Cases, Age 13+ at HIV Diagnosis, with an AIDS Diagnosis by 12/31/10 (Adult/Adolescent Reported AIDS Diagnoses), Number of Adult/Adolescent Reported AIDS Diagnosis Reported to Have Died of Any Cause by 12/31/2011 (Reported AIDS Deaths), Percent by Year of AIDS Diagnosis of Adult/Adolescent Reported AIDS Diagnoses with a Reported AIDS Death (Percent Dead) by 12/31/2011, the Average Years from AIDS Diagnosis to Death for Cases that have Died, and the Percent by Year of AIDS Diagnosis of Adult/Adolescent Reported AIDS Diagnoses Not Reported to Have Died (Percent Alive) at 1 Year, 2 Years, 5 Years, and 10 Years after AIDS Diagnosis, by Year of AIDS Diagnosis from 1985 through 2010, as Reported by Name through 12/31/2012

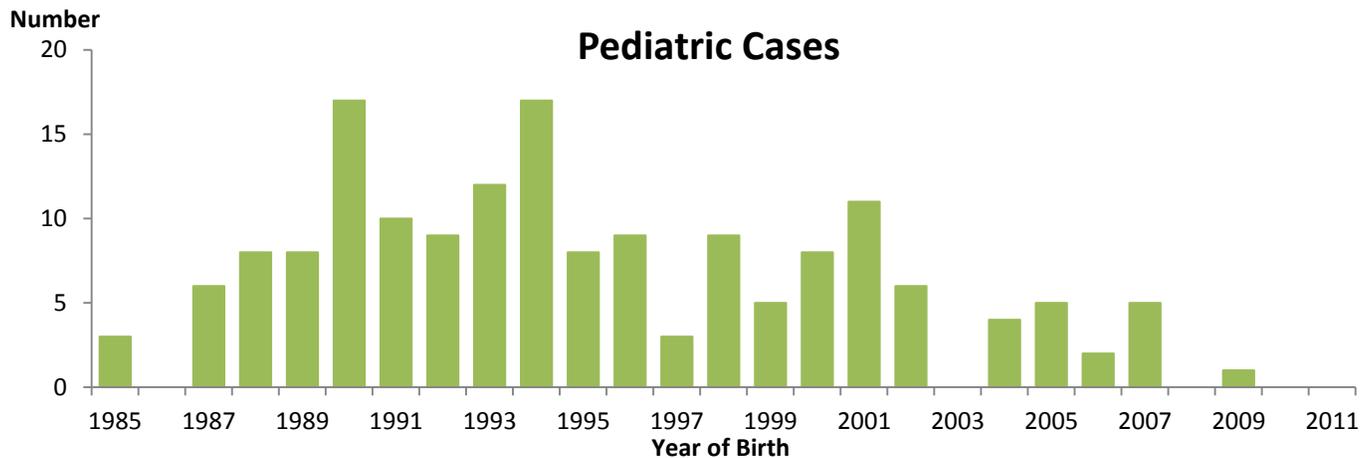


YEAR OF AIDS DIAGNOSIS	Adult/Adolescent Reported AIDS Diagnoses							
	No.	Reported AIDS Deaths			Percent Alive by Years After AIDS Diagnosis			
		No.	% Dead	Mean Years from AIDS to Death	1 Year	2 Years	5 Years	10 Years
<1985	53	53	100.0%	0.9	32.1%	5.7%	1.9%	0.0%
1985	86	84	97.7%	1.4	39.5%	15.1%	11.6%	3.5%
1986	115	107	93.0%	1.6	51.3%	32.2%	12.2%	8.7%
1987	188	183	97.3%	1.8	52.1%	28.7%	10.6%	5.9%
1988	204	193	94.6%	1.9	62.3%	36.8%	13.7%	7.4%
1989	267	244	91.4%	2.7	68.5%	50.6%	21.3%	13.1%
1990	293	269	91.8%	2.6	64.5%	48.1%	21.5%	13.3%
1991	360	316	87.8%	2.3	67.2%	51.4%	19.7%	14.7%
1992	441	363	82.3%	2.6	73.9%	53.1%	27.0%	22.0%
1993	460	365	79.3%	2.8	72.6%	57.2%	34.1%	26.1%
1994	500	369	73.8%	2.7	74.6%	55.2%	40.0%	30.0%
1995	487	308	63.2%	3.5	74.1%	65.1%	54.8%	43.5%
1996	416	248	59.6%	4.4	80.3%	74.3%	63.7%	49.0%
1997	355	180	50.7%	3.4	80.8%	75.2%	63.4%	53.5%
1998	322	160	49.7%	4.2	84.8%	81.4%	69.9%	55.3%
1999	343	156	45.5%	3.5	84.3%	78.4%	68.8%	57.1%
2000	340	129	37.9%	4.5	91.8%	89.1%	78.8%	64.4%
2001	344	118	34.3%	3.2	86.6%	83.4%	75.6%	67.4%
2002	369	121	32.8%	2.7	86.7%	84.3%	74.8%	--
2003	424	128	30.2%	2.3	87.7%	82.8%	75.5%	--
2004	419	89	21.2%	2.0	89.7%	87.1%	82.1%	--
2005	434	102	23.5%	1.8	88.2%	85.7%	78.6%	--
2006	361	53	14.7%	1.7	93.1%	90.6%	85.9%	--
2007	390	62	15.9%	1.1	90.3%	87.7%	--	--
2008	337	42	12.5%	0.8	91.1%	88.7%	--	--
2009	255	35	13.7%	0.7	89.8%	87.8%	--	--
2010	301	30	10.0%	0.5	92.4%	--	--	--
<b>TOTAL</b>	<b>8,864</b>	<b>4,507</b>	<b>50.8%</b>	<b>2.7</b>	<b>80.0%</b>	<b>71.0%</b>	<b>58.6%</b>	<b>51.8%</b>

## Section IX – Pediatric Cases

**Figure 11 – Trends in Pediatric HIV Cases, 1985-2011, Reported through 12/31/2012**

Number of Pediatric Reported HIV Cases, Age <13 at HIV Diagnosis, with or without an AIDS Diagnosis (Pediatric Reported HIV Diagnoses) by Year of Birth, by Year of HIV Diagnosis, by Year of AIDS Diagnosis, and by Year of Death Due to Any Cause, and Number of Pediatric Reported HIV Cases, Age <13 at HIV Diagnosis, with or without an AIDS Diagnosis and Not Reported to have Died as of December 31<sup>st</sup> of Each Year (Pediatric Total Living HIV Cases) from 1985 through 2011, as Reported by Name through 12/31/2012



YEAR	Pediatric Reported HIV Diagnoses				Pediatric Total Living HIV Cases
	No. by Year of Birth	No. by Year of HIV Diagnosis	No. by Year of AIDS Diagnosis	No. by Year of Death	No. Alive on 12/31 of Each Year
<1985	20	4	1	0	--
1985	3	4	2	1	7
1986	0	5	0	0	12
1987	6	5	4	0	17
1988	8	3	3	2	19
1989	8	6	5	2	23
1990	17	10	5	4	29
1991	10	11	8	3	37
1992	9	11	7	2	45
1993	12	8	8	4	49
1994	17	7	4	2	55
1995	8	8	7	5	58
1996	9	10	8	2	66
1997	3	3	5	0	69
1998	9	3	0	3	69
1999	5	13	6	0	81
2000	8	5	3	0	86
2001	11	6	3	2	89
2002	6	8	3	0	97
2003	0	3	1	4	96
2004	4	5	2	3	98
2005	5	8	2	3	104
2006	2	11	2	1	114
2007	5	18	2	1	131
2008	0	5	2	0	136
2009	1	2	0	0	138
2010	0	1	2	1	139
2011	0	3	1	0	141
<b>TOTAL</b>	<b>186</b>	<b>186</b>	<b>96</b>	<b>45</b>	<b>--</b>

**Table 24 – Pediatric HIV Diagnoses during 2011 and Pediatric Total Living HIV Cases, Alive on 12/31/2011, by Jurisdiction, Reported through 12/31/2012**

JURISDICTION OF RESIDENCE AT DIAGNOSIS	Pediatric Reported HIV Diagnoses		Pediatric Total Living HIV Cases	
	No.	% of Total	No.	% of Total
Montgomery	1	33.3%	43	30.5%
Prince George's	2	66.7%	98	69.5%
REGION TOTAL	3	100.0%	141	100.0%

**Jurisdiction of Residence at Diagnosis:** Jurisdiction of residence at time of initial HIV diagnosis for pediatric reported HIV diagnoses, and jurisdiction of residence at later of time of initial HIV diagnosis or initial AIDS diagnosis for pediatric total living HIV cases.

**Pediatric Reported HIV Diagnoses:** Reported HIV diagnoses, age less than 13 years at HIV diagnosis, with or without an AIDS diagnosis, with initial HIV diagnosis during the specified year.

**Pediatric Total Living HIV Cases:** Reported HIV diagnosis, age less than 13 years at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.

**Table 25 – Pediatric HIV Diagnosis during 2011 and Pediatric Total Living HIV Cases by Sex at Birth and Race/Ethnicity, Alive on 12/31/2011 and Reported through 12/31/2012**

SEX AT BIRTH	Pediatric Reported HIV Diagnoses		Pediatric Total Living HIV Cases	
	No.	% of Total	No.	% of Total
Male	0	0.0%	74	52.5%
Female	3	100.0%	67	47.5%
TOTAL	3	100.0%	141	100.0%

RACE/ETHNICITY	Pediatric Reported HIV Diagnoses		Pediatric Total Living HIV Cases	
	No.	% of Total	No.	% of Total
Hispanic	0	0.0%	4	2.8%
Non-Hispanic	3	100.0%	137	97.2%
American Indian/ Alaska Native, only	0	0.0%	0	0.0%
Asian, only	0	0.0%	1	0.7%
Black, only	3	100.0%	124	87.9%
Native Hawaiian/Other Pacific Islander, only	0	0.0%	0	0.0%
White, only	0	0.0%	9	6.4%
Multiracial/Other	0	0.0%	3	2.1%
TOTAL	3	100.0%	141	100.0%

**Pediatric Reported HIV Diagnoses:** Reported HIV diagnoses, age less than 13 years at HIV diagnosis, with or without an AIDS diagnosis, with initial HIV diagnosis during the specified year.

**Pediatric Total Living HIV Cases:** Reported HIV diagnosis, age less than 13 years at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31<sup>st</sup> of the specified year.