

2018 Pennsylvania Integrated HIV Epidemiology Profile

Bureau of Epidemiology

July 2019



pennsylvania
DEPARTMENT OF HEALTH

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Suggested citation: Pennsylvania Department of Health Integrated HIV Epidemiology Profile, 2018

Disclaimer

This publication was supported by the Grant or Cooperative Agreement Number, X07HA00021, funded by HRSA. Its contents are solely the responsibility of the authors and do not necessarily represent the official views of HRSA or the Department of Health and Human Services.

The Pennsylvania Department of Health, Bureau of Epidemiology, Bureau of Communicable Disease, Division of HIV Disease and Bureau of Health Statistics and Registries specifically disclaims responsibility for any analyses, interpretations, or conclusions made by the user of this report.

Abbreviations

ADAP	AIDS Drug Assistance Program
AIDS	Acquired immunodeficiency syndrome
BRFSS	Behavioral Risk Factor Surveillance System
CDC	Centers for Disease Control and Prevention
eHARS	Enhanced HIV/AIDS Reporting System
HIV	Human immunodeficiency virus
HRSA	Health Resources and Services Administration
IDU	Injection drug use
MSM	Gay, bisexual and other men who have sex with men
OMB	Office of Management and Budget
PA-NEDSS	Pennsylvania National Electronic Disease Surveillance System
PLWH	People living with HIV
SPBP	Special Pharmaceuticals Benefits Program
STD	Sexually transmitted disease(s)
TB	Tuberculosis
YRBS	Youth Risk Behavior Survey

Executive Summary

At year-end 2016, a total of 60,607 people were diagnosed with HIV infection in the Commonwealth of Pennsylvania, while an estimated 40,085 (66.1%) of them were presumed to be alive. This number of people living with HIV (PLWH) includes those diagnosed in Pa. and are currently residing in Pa. In addition, the number includes those that immigrated to the Commonwealth of Pa. after their initial diagnosis and still reside in Pa. The number of PLWH infection continues to increase as more people are living longer because of advances in diagnosis, medical care, and treatment. It is estimated that at year-end 2020, about 45,000 people will be living with HIV infection in Pa. (Figure 3). On the other hand, the number of newly diagnosed HIV cases is on the decline. In the year 2012, a total of 1,462 new HIV cases were diagnosed compared to 991 cases in 2016, which is a 32.2% decline in new HIV diagnoses. It is also estimated that in the year 2020, the annual number of new diagnoses of HIV infection will be less than 900.

HIV affects people of different age, sex, race and ethnicity. However, disparities occur in who becomes infected and gets a diagnosis of HIV infection. In 2016, the rate of newly diagnosed HIV cases in Pa. was 7.8 per 100,000 population overall, but the rate for males (12.0 per 100,000) was more than three times the rate for females (3.6 per 100,000). Considering race/ethnicity, HIV diagnosis rates were highest among black/African American males (50.6 per 100,000) and females (20 per 100,000) (Table 8). Overall, the rate of newly diagnosed HIV cases in blacks/African Americans was 34.7 per 100,000 population compared to 19.5 per 100,000 population for Hispanics or three per 100,000 population for whites.

In 2016, the highest number and percentage of diagnoses of HIV infection were in the age group of 25 to 34 years. This age group accounted for 324 (32.7%) of all diagnoses of HIV infection in 2016. The annual number of diagnoses of HIV infection has continued to decrease from year to year since the mid-1990s. However, men who have sex with men (MSM) are at a higher risk of getting infected with HIV than other population groups, accounting for 518 (52.3%) of all newly diagnosed cases in 2016.

Among the 60,607 persons ever diagnosed with HIV infection while residing in Pa., cumulative total deaths by year-end 2016 for PLWH was 25,124 (41.5%) [Table 22]. In 2016, the overall death rate in persons diagnosed with HIV infection was higher among males at 4.8 per 100,000 compared to females at 2.0 per 100,000. By race, blacks/African Americans had a higher death rate of 1.9 per 100,000 population compared to 1.0 per 100,000 for whites or 0.4 per 100,000 population for Hispanics. Overall, the death rate among blacks/African Americans diagnosed with HIV infection was approximately two times more than the death rate among whites. By race and sex, black/African American males diagnosed with HIV infection had the highest death rate of 2.6 per 100,000 male population compared to 1.5 per 100,000 for white males or 0.5 per 100,000 for Hispanic males (Table 12). The reasons for this disparity are unknown. However, lack of access to care, stigma, self-denial and other

social factors might be contributing to poorer health outcomes among blacks/African Americans living with HIV compared to other races/ethnicities.

Of importance is the trend in the number of PLWH by transmission category or risk. In every risk category, there was an increase in the number of PLWH from 2012 to 2016, except among people whose transmission category was identified as injection drug use (IDU) [Table 21]. Between the year 2012 and 2016, an estimated 2,787 HIV-associated deaths were reported, of which IDU-associated deaths was 924 (33.2%) compared to 717 (25.7%) among MSM and 809 (29%) among heterosexuals. The HIV-associated mortality among IDUs is a source of concern with the increasing mortality associated with opioid use in the Commonwealth of Pa. However, the Pa. Department of Health continues to strengthen its HIV surveillance, prevention and care activities in the wake of the opioid crisis in the state and around the country.

At the county level, Philadelphia County had the highest number and rate of PLWH in the commonwealth at 1,206 per 100,000 population compared to 314 per 100,000 population in the entire commonwealth. Philadelphia County accounted for about 18,915 (47.2%) of all PLWH and alive at year-end 2016. Other counties with prevalence higher than the overall Pa. rates include Dauphin, Delaware, Lehigh and Union Counties. This profile provides detailed information for all 67 counties in the Commonwealth of Pennsylvania.

In line with the mission of the Pa. Department of Health, enormous effort continues to be made to proactively monitor the HIV care continuum and expand routine HIV testing in the commonwealth. The routine HIV testing reported in this profile are CDC-funded HIV testing events, which represents a portion of all HIV testing done in the Commonwealth of Pa. Over 62,000 laboratory tests were done in the year 2016 in Pa. (excluding Philadelphia). Of these 62,000 tests, a total of 268 (0.4%) were HIV-positive results, including 141 (0.2%) that were confirmed to represent newly diagnosed HIV cases in Pa., excluding Philadelphia. In Philadelphia alone, a total of 81,993 test events were done in the year 2016, and 168 (0.2%) of these represented newly diagnosed HIV cases.

HIV coinfection with hepatitis C (hep C) is an ongoing surveillance activity. The ongoing opioid epidemic in the Commonwealth of Pa. and the United States poses a significant threat to advances made in the field of HIV prevention in reducing new infections. Increases in prescription opioid misuse have raised growing public health concern about the possibility of an outbreak in HIV infection and/or hepatitis B (HBV) and hep C. There have been significant increases in the number of people infected with hepatitis C virus (HCV) especially among young adults, whites and women. IDU continues to be a major mode of transmission for both HIV and hep C, which in some instances result in coinfection. In the Commonwealth of Pa., the number of newly diagnosed HIV infections acquired through IDU has been decreasing. The number of newly diagnosed HIV cases attributable to IDU decreased by 60% from 121 cases in 2012 to 49 cases in 2016. In 2016, approximately 5% of all newly diagnosed HIV cases were attributed to IDU. However, the number of newly reported confirmed and probable hepatitis C cases has increased substantially since 2013. In the United States, an

estimated 25% of PLWH are coinfecting with HCV and an estimated 80% of PLWH who inject drugs also have HCV.² In Pa., the largest numbers of HCV cases are in Philadelphia; however, the highest rate of newly diagnosed HCV cases are in the Southwestern part of the state.

In conclusion, the assessment of the epidemiology of HIV infection in Pa., as outlined in this profile, is an integral part of HIV prevention and care program in the commonwealth as it provides information to effectively guide prevention and care activities. It will also assist numerous organizations in the planning of HIV-related programs, resource allocation for prevention and care activities and education for PLWH, their caregivers, lawmakers and the public. This profile provides information on newly diagnosed HIV infection, HIV prevalence, and HIV testing information. The information provided is based on available data resources and we will continue to update the information provided in the profile annually.

Introduction

History of the Epidemiologic Profile

The first Pa. Integrated HIV Epidemiologic Profile was produced in the year 2012-2013. It was a resource for the HIV prevention and care planning activities in the Commonwealth of Pa. This profile was developed in accordance with the CDC-HRSA recommended guidelines. Based on these guidelines, it was recommended that all state health departments produce at least one comprehensive epidemiologic profile in a funding cycle (five years) and update the executive summary and core epidemiologic data annually. Following these recommendations, the Pa. Department of Health now presents the second edition of the Pa. HIV Integrated Epidemiologic Profile, published in 2019.

Overview and Purpose of the Epidemiologic Profile

The Pa. Integrated HIV Epidemiologic Profile provides information on the burden of HIV infection in Pa. “Integrated” means the combination of information that formerly was produced separately for HRSA (“care”) and CDC (“surveillance and prevention”). The goal of this profile is to help inform prevention and care activities for PLWH in Pa., inform HIV planning/policy decisions, and help assess the impact of prevention and care activities. This profile also documents testing events, risk factors and HIV coinfection with hepatitis C. Information on the strengths and limitations of each data source is also provided in this profile. This document will be useful to the HIV Planning Group (HPG) and to those interested in HIV and working with PLWH, such as health care workers, policy makers, legislators, researchers and consumers. We hope that community awareness about HIV will increase and will result in more strategic allocation of prevention and care activities in the commonwealth.

Data Sources, Strengths and Limitations

Pa. HIV surveillance: HIV surveillance is the core data source for this epidemiologic profile. Pa. HIV surveillance program uses the Pa. National Electronic Disease Surveillance System (PA-NEDSS) and the Enhanced HIV/AIDS Reporting System (eHARS) to collect, manage, analyze and report HIV-related surveillance data to the Centers for Disease Control and Prevention (CDC). These data include all persons with diagnosed HIV infection who resided in the Commonwealth of Pa. at the time of diagnosis, with their accompanying sociodemographic data, transmission category and vital status (dead/alive).

Strengths: Reporting of all HIV cases is over 99% complete.¹ The data provides information that could be used in conjunction with other data sources to identify PLWH who are linked to care and retained in care. It also helps to identify PLWH who are virally suppressed and have very low levels of HIV in their blood.

Limitations: Not all viral load (VL) and CD4 tests are reported to the HIV surveillance system. This is because current Pa. HIV reporting regulations require the reporting of only detectable VL tests and CD4 results that are below 200 cells/ μ L or below 14% of the total lymphocytes. This makes it less likely that the surveillance system will receive CD4 and VL test results

outside these limits. The excluded test results are necessary to calculate accurately the indicators of the HIV care continuum (linkage to care, retention in care and viral suppression).

Special Pharmaceutical Benefits Program (SPBP) data: SPBP is Pa.'s AIDS Drug Assistance Program (ADAP). SPBP provides pharmaceutical assistance and specific laboratory services to low and moderate income PLWH who are not eligible for pharmacy services under the Medical Assistance Program.

Strengths: The SPBP data contains a unique identifier that is associated with each client. This can be merged with HIV surveillance data to identify PLWH who are linked or retained in care.

Limitation: The data obtained from SPBP are limited to PLWH who receive services from Ryan White funded programs. They exclude individuals who receive care only from other health care providers or whose care is funded only by other sources (e.g., private health insurance and Medicaid/Medicare).

HIV testing system: In Pa., testing data include demographic and behavioral risk information on the individual tested. CDC collects, analyzes, and disseminates data on CDC-funded HIV testing events. Test-level data are reported through the National HIV Prevention Program Monitoring and Evaluation (NHM&E) system and represent a portion of all HIV testing conducted in the United States, Puerto Rico and the U.S. Virgin Islands. These data can be used to provide insight into the demographics of persons tested, positive tests and programmatic activities (e.g., linkage to HIV medical care and referral to partner and prevention services). In addition, it can be used in conjunction with other relevant information (e.g., progress reports, surveillance data and census data).

Strengths: Data is collected in all test events, both negative and positive.

Limitation: The data collected are test-level and not client-level. Therefore, it is challenging linking test data to HIV surveillance data. In addition, identifying information is not submitted with HIV testing data to CDC, therefore, it is not possible to deduplicate multiple HIV tests conducted with the same person. These data are "test-level" rather than "client-level" estimates.

U.S. Census Bureau : Data on socio-demographic and economic status can be obtained both at the county and state levels.

Strengths: The data is easily accessible and provides reliable and validated data.

Limitation: The data cannot be modified to provide data within specified age-groups. Rather, the data has fixed age groupings and the desired age groupings can only be obtained through costly data requests.

Vital statistics data: Data on death which includes the cause of death, contributory factors associated with the cause of death and date of death are obtained from the Bureau of Health Statistics and Registries, Pa. Department of Health.

Strengths: The data is relatively up to date and complete.

Limitations: HIV may be underreported as the cause of death on death certificates. Also, deaths of Pa. residents that occurred outside of Pa. are not reported in the data file. Therefore, the death file might be missing some data on HIV-related deaths.

Social security death master file: This data base contains information on all deaths of persons who had a Social Security account and whose death was reported to the Social Security Administration. However, deaths reported to the Social Security Administration by state vital statistics offices are excluded from the file available to CDC, and CDC makes the remaining file available to state HIV surveillance programs annually.

Strengths: The data is updated regularly.

Limitations: No cause of death is indicated in the file and the file does not contain all deaths that occurred in the United States. In addition, the state where death occurred is not recorded in the file. Sometimes, albeit rarely, this file misclassifies living persons as dead.

Hepatitis C surveillance: Data on hepatitis C virus infections in combination with HIV surveillance may be used to assess comorbidity numbers, monitor trends, and help identify needs for HIV prevention and care services.

Strengths: Pa. has a robust surveillance system that collects laboratory data for all positive serologic test results for HCV. These laboratory data can easily be linked to HIV surveillance laboratory data.

Limitations: It is difficult to monitor disease trends for HCV because antibody results cannot differentiate newly acquired infections from chronic or resolved infections. This uncertainty makes it difficult to assess if the comorbidity is a recent comorbidity or one that had occurred much earlier.

Youth Risk Behavioral Surveillance (YRBS): The YRBS is a national school-based survey conducted by CDC, states, territorial, tribal and local governments. It obtains data from high school students from the ninth grade to the 12th grade. It monitors six types of health-risk behaviors including: behaviors that contribute to unintentional injuries and violence; sexual behaviors related to unintended pregnancy and sexually transmitted infections, including HIV infection; alcohol and other drug use; tobacco use; unhealthy dietary behaviors and inadequate physical activity.

Strengths: It collects data in all 50 U.S. states, the District of Columbia, Puerto Rico, the U.S. Virgin Islands, Guam, American Samoa and Palau. It is an important tool that can be used to implement prevention activities and build health promotion activities.

Limitations: Self-reported data are being collected, and sensitive behavioral information may be over- or under-reported. The survey is administered in school, therefore data collected

might not be representative of adolescents who are not enrolled in school or are homeschooled.

Behavioral Risk Factor Surveillance System (BRFSS): The BRFSS is a telephone survey that collects information on U.S adult residents regarding their health-related risk behaviors, chronic health conditions and use of preventive services.

Strengths: BRFSS collects data in all 50 U.S. states, the District of Columbia, Puerto Rico, the U.S. Virgin Islands, Guam, American Samoa and Palau. It is an important tool that can be used to implement prevention activities and build health promotion activities both statewide and nationally.

Limitations: Self-reported data are being collected, and sensitive behavioral information may be over- or under-reported. Data at the local county level are also not available for use or analysis.

The epidemiologic profile: strengths and limitations

The 2018 epidemiologic profile provides important information that will be useful for programs that address HIV and PLWH in the commonwealth. A strength of this publication lies in the quality of the HIV surveillance data. The HIV surveillance program uses the PA-NEDSS, which captures data on all individuals who tested positive for HIV in the commonwealth. In the 2014 state-level estimates of undiagnosed HIV infections in persons aged 13 years and older, about 9.9% (95% CI 6.0-13.8) of PLWH in Pa. were unaware of their HIV status.⁷ Although HIV surveillance data are the most complete compared to other disease surveillance systems, they still do not include individuals who were not tested after becoming infected or who were tested anonymously.

Assessment of the HIV care continuum requires reporting of all HIV viral load tests and all CD4 test results as indicators of care for persons with diagnosed HIV infection. In Pa., however, the current state regulations require laboratories to report only detectable VL tests results and CD4 test results below 200 cells/ μ L or 14%. It does not require reporting of undetectable viral loads or CD4 test results that were at least 200 cells/ μ L and at least 14%. Some laboratories report some of these results anyway, but this is done incompletely. Consequently, the HIV care continuum cannot be accurately assessed.

To improve the completeness of case reporting and analysis, other supplemental data sources, such as the Special Pharmaceutical Benefits Program (SPBP), provided useful data on antiretroviral therapy (ART), which was used to assess the level of care engagement among PLWH. Other data from these supplemental sources augmented the HIV surveillance data.

Overall, the epidemiologic profile describes the burden of HIV in the commonwealth and provides data that can be used to inform policy, HIV prevention and care.

Other Sources of Information

Pa. Department of Health HIV program:

<https://www.health.pa.gov/topics/programs/HIV/Pages/HIV.aspx>

HIV in the United States: At A Glance

<https://www.cdc.gov/hiv/statistics/overview/ata glance.html>

Methods

Data for this Pa. Integrated HIV Epidemiology Profile were obtained from the HIV surveillance data system known as eHARS in conjunction with PA-NEDSS, SPBP database, U.S. Bureau of Census, vital statistics data, social security death master file and hepatitis C surveillance data.

This profile consists of five sections covering geography and sociodemographic characteristics of the general population in the Commonwealth of Pa., HIV burden, HIV testing, HIV and HCV, and HIV infection and county profiles. The HIV surveillance data analyzed for use in section 2 (HIV burden in Pa.), subsection I (newly diagnosed HIV infection in Pa., 2016) and subsection II (five-year newly diagnosed HIV cases in Pa., 2012-2016) of the profile includes cases diagnosed through Dec. 31, 2016 and reported by March 31, 2017.

Case selection criteria for inclusion in the HIV burden section, subsections I and II are as follows:

- Confirmed annual diagnosis of HIV infection during the year 2012-2016, with HIV infection including HIV infection without acquired immunodeficiency syndrome (AIDS) and AIDS;
- Pa. residence at the time of diagnosis ;
- Case meeting the Centers for Disease Control and Prevention (CDC) criteria for reporting (i.e., sex, race, residence, age, and vital status); and
- Sex classified as female or male referring to sex assigned at birth.

Case selection criteria for inclusion in the HIV burden section, subsection III (HIV prevalence in Pa.) are as follows:

- Confirmed diagnosis of HIV infection in individuals who were alive at each year-end 2012, 2013, 2014, 2015 and 2016;
- Pa. residence at the current address;
- Case meeting CDC's criteria for reporting; and
- Sex classified as female or male referring to sex assigned at birth.

Case selection criteria for inclusion in the HIV burden section, subsection IV (five-year mortality data among people diagnosed with HIV infection) are as follows:

- Confirmed deaths among PLWH during the year 2012 through year-end 2016;
- Confirmed HIV diagnosis in Pa.;
- Case meeting CDC's criteria for reporting; and
- Sex classified as female or male referring to sex assigned at birth.

Case selection criteria for inclusion in the HIV burden section, subsection VII (HIV infection counties and subrecipient regions) are as follows:

- Confirmed diagnosis of HIV infection in individuals who were alive at year-end 2016;
- Pa. residence at the current address;
- Case meeting CDC's criteria for reporting; and
- Sex classified as female or male referring to sex assigned at birth.

Case selection criteria for inclusion in the HIV/hepatitis C coinfection in Pa., excluding Philadelphia, in 2016 are as follows:

- PLWH in Pa. (excluding Philadelphia) through year-end 2016; and
- Confirmed and probable acute and/or chronic hepatitis C in 2016.

Case selection criteria for inclusion in the HIV/hepatitis C coinfection in Philadelphia in 2016 are as follows:

- PLWH in Philadelphia through year-end 2016 (reported through June 2017); and
- Confirmed or probable acute and/or chronic hepatitis C through June 2017.

Data was analyzed and presented using SAS 9.4 and Microsoft Excel 2016. A descriptive epidemiology by year of diagnosis, sex, race/ethnicity, transmission category, age group and county were assessed and presented in this profile. All reported numbers less than 12, with the corresponding rates, should be interpreted with caution, as these numbers have underlying relative standard errors greater than 30% and are considered unreliable. In addition, case counts less than or equal to five (and corresponding number where applicable) will be suppressed because the data and resulting analysis will not meet the criteria for data confidentiality and statistical reliability. The suppressed data will be represented by a dash (-). In the description by race/ethnicity, Hispanic includes all races.

Findings

Section 1: Geography and Sociodemographic Characteristics of the General Population in the Commonwealth of Pa.

The geographical description of the Commonwealth of Pa.

The Commonwealth of Pa. is located in the northeastern part of the United States. It is a large state in terms of geography. Its land area covers about 44,743 square miles.⁴ It is the thirty-third largest state by area, fifth most populous state and the sixth-largest state economy in the United States. It is bordered by six states locally (Ohio, West Virginia, Maryland, Delaware, New Jersey and New York) and internationally by Canada. As of July 1, 2016, the total population of Pa. was 12,784,227.⁴

Figure 1: Geographical Location of the Commonwealth of Pa.



Data Source: Wikimedia commons. Accessed July 16, 2019. https://en.wikipedia.org/wiki/File:Pennsylvania_in_United_States.svg#filelinks

Pa. is made up of 2,561 municipalities and 67 counties. Nineteen of its 67 counties are designated urban counties and 48 are designated rural counties, making Pa. a state with a large rural population.⁵ The seven most populous counties are Allegheny, Bucks, Chester, Delaware, Lancaster, Montgomery and Philadelphia, with populations greater than 500,000 each. The combined population of these counties makes up 46% (5,859,575 residents) of the total Pa. population. Approximately one-fifth (22% or 2,793,237) of the entire population reside in Allegheny and Philadelphia Counties.

Socio-demographic characteristics of the Commonwealth of Pa.

Sex: With a population of 12,784,227 in 2016, females were 6,521,357 (51%) of the population, while males were 6,262,870 (49%). Differences, however, exist within each sex by age group. Males age 0 to 19 made up one-quarter (24.7%) of the male population, and those 65 and above made up 15.4% of the male population. Females age 0 to 19 made up 22.7% of the female population, while those age 65 and above made up 19.3% of the female population. As a percentage of the total population, females age 65 and older were 9.8% and males age 65 and older were 7.6%.¹¹

Age: In the 2016 population estimates, persons under 5 years and under 18 years made up 5.6% and 20.9% of the population, respectively. The population in Pa. is aging, very much like the rest of the U.S. The median age in years in the 2012-2016 American Community Survey five-year estimates was 40.6 compared to 40.2 in 2010.¹⁰ The median age for males

was 38.9 years and 42.2 years for females. Likewise, adults age 65 and older made up 17.4% of the population in 2016 compared to 15.4% in 2010.¹² Pa. ranks fourth in the nation in percentage population of residents age 65 and older, and females made up 56.6% of this group population, while males made up 43.4% of the group population (Table 1).

Table 1: Total Population by Age Group, Pa., 2016

Age	Total	Percent
All	12,784,227	100
<5	711,765	5.6
5-9	731,623	5.7
10-14	754,496	5.9
15-19	823,097	6.4
20-24	841,422	6.6
25-29	868,634	6.8
30-34	809,077	6.3
35-39	754,790	5.9
40-44	726,377	5.7
45-49	831,844	6.5
50-54	903,328	7.1
55-59	948,975	7.4
60-64	855,078	6.7
65-69	729,263	5.7
70-74	507,743	4.0
75-79	372,603	2.9
80-84	279,644	2.2
>85	334,468	2.6

Data source: Pa. Dept. of Health Enterprise Data Dissemination Informatics exchange (EDDIE). Population by age group. Accessed May15, 2018. <https://www.phaim1.health.pa.gov/EDD/WebForms/PopCntySt.aspx>

Race/ethnicity: The Office of Management and Budget (OMB) classified race into six different categories. Ethnicity (Hispanic/Latino) is often shown in tables with these six categories of race: American Indian/Alaskan native, Asian, black/African American, Native Hawaiian/Other Pacific Islander, white and multiple races.⁶ Using the 2016 data estimates, white alone made up 82.4%; black/African American alone, 11.8%; American Indian and Alaska Native, 0.4%; Asian alone, 3.5%; Native Hawaiian and other Pacific Islander alone, 0.1%; and two or more races, 1.9% of the population in Pa. In combined years 2012-2016, foreign-born persons made up 6.4% of the population. There was an increase in the population of persons who identified as Asians from 2.7% in 2010 to 3.5 % in 2016. Individuals who identified as having two or more races were 1.9% of the population in 2016 compared to 1.2% in 2010 (Table 2).

Table 2: Pa. Population by Race and Ethnicity, 2010- 2016

Population	Percent
Age	
Persons under 5 years, July 1, 2016	5.6
Persons 65 years and over, July 1, 2016	17.4
Persons 65 years and over, April 1, 2010	15.4
Race/ethnicity	
White alone, July 1, 2016	82.4
White alone, April 1, 2010	81.9
Black or African American alone, July 1, 2016	11.8
Black or African American alone, April 1, 2010	10.8
American Indian and Alaska Native alone, July 1, 2016	0.4
American Indian and Alaska Native alone, April 1, 2010	0.2
Asian alone, July 1, 2016	3.5
Asian alone, April 1, 2010	2.7
Native Hawaiian and Other Pacific Islander alone, July 1, 2016	0.1
Native Hawaiian and Other Pacific Islander alone, April 1, 2010	Z*
Two or more races, July 1, 2016	1.9
Two or more races, April 1, 2010	1.2
Hispanic or Latino, July 1, 2016	7.0
Hispanic or Latino, April 1, 2010	5.7
White alone, not Hispanic or Latino, July 1, 2016	77.0
White alone, not Hispanic or Latino, April 1, 2010	79.5
Foreign-born persons, 2012-2016	6.4

Population estimates as of July 1, 2016 was 12,784,227.

* Value greater than zero but less than half unit of measure shown

Data source: Pa. quick facts downloaded from <http://www.census.gov/quickfacts/table/PST045216/42>

Socioeconomic status

Poverty and income: According to the 2016 American Community Survey 1-Year Estimates (Table 3), the population of Pennsylvanians living below the poverty level in the past 12 months was 12.9% compared to 14% in the entire United States. However, disparities existed by sex, race, ethnicity and educational attainment. More females were in poverty than males (14% versus 11.7%). Whites also had the lowest poverty level at 10.1% compared to blacks/African Americans at 26.4% and American Indian/Alaskan Native at 32.5%. The poverty level among Asians was 14% while those persons who identified as having two or more races made up 25.1%. The median household income in 2016 was \$54,895 per capita income in Pa. compared to \$55,322 in the United States. The mean household income during the same time was \$75,235.⁹ An estimated 6.7% of households earned less than \$10,000 during the five-year period. Likewise, 45.7% of households earned \$49,999 or less while 23.4% of households earned \$100,000 or more.⁹ Educational attainment also had an impact on the poverty level. Residents age 25 years and older with a bachelor's degree or higher had the lowest poverty level of 3.9% compared to 24.7% among individuals age 25 and older with less than a high school graduate level education (Table 3).

Table 3: Poverty Level by Socio-demographic and Employment Status, Pa., 2016

Characteristics	Total	Below poverty level	
		Number	Percent
Population for whom poverty status is determined	12,368,256	1,592,045	12.9
Age			
Under 18 years	2,624,826	486,029	18.5
18 to 64 years	7,603,139	938,136	12.3
18 to 34 years	2,638,295	436,537	16.5
35 to 64 years	4,964,844	501,599	10.1
60 years and over	2,999,097	245,871	8.2
65 years and over	2,140,291	167,880	7.8
Sex			
Male	6,034,145	703,375	11.7
Female	6,334,111	888,670	14.0
Race/ethnicity			
White	10,048,613	1,015,549	10.1
Black /African American	1,325,237	350,149	26.4
American Indian and Alaska Native	22,395	7,282	32.5
Asian	406,667	56,967	14.0
Native Hawaiian and other Pacific Islander	N*	N*	N*
Some other race	252,097	83,836	33.3
Two or more races	310,076	77,912	25.1
Hispanic or Latino origin (of any race)	866,144	259,823	30.0
White alone, not Hispanic or Latino	9,556,954	879,712	9.2
Educational attainment			
Population 25 years and over	8,743,255	880,957	10.1
Less than high school graduate	834,904	205,917	24.7
High school graduate (or equivalent)	3,044,803	376,079	12.4
Some college, associate degree	2,130,413	192,632	9.0
Bachelor's degree or higher	2,733,135	106,329	3.9
Employment status			
Civilian labor force 16 years and over	6,450,855	448,239	7.0
Employed	6,039,059	336,192	5.6
Male	3,129,834	138,322	4.4
Female	2,909,225	197,870	6.8
Unemployed	366,796	112,047	30.5
Male	204,595	56,200	27.5
Female	162,201	55,847	34.4

* Indicates that data for this geographic area cannot be displayed because the number is too small

Data source: U.S. Census Bureau, 2016 ACS 1-year estimates. Poverty status in the past 12 months. Table S1701

Employment: The United States Department of Labor, Bureau of Labor Statistics, estimates that the unemployment rate in the Commonwealth of Pa. among those 16 years and older as of September 2017 stands at 4.8% compared to 4.2% in the United States.¹⁵ However, there are disparities in unemployment rate by age, sex, race and ethnicity. In the 2016 American Community Survey 1-Year estimates, Asians had the lowest unemployment rate at 4.2% compared to whites (4.8%), blacks/African Americans (11.5%), American Indian and Alaskan Native (9.8%) or individuals with two or more races (11%).¹³ Males had a higher unemployment rate of 5.7% compared to females at 4.9%. Residents age 16 to 19 had the highest unemployment rate at 18.7% compared to 11.2% in age group 20 to 24, 6.4% in age group 25 to 29, 4.8% in age group 35 to 44, 4.1% in age group 45 to 54, 3.9% in age group 55 to 59, 3.4% in age 60 to 64, 3.1% in age group 65 to 74, and 3.7% in age groups 75 and older.¹³ The unemployment rate among Pennsylvanians age 25 to 64 with less than a high school diploma was 10.5% compared to those with a bachelor's degree or higher at 2.7%.¹³

Education: Per the 2016 American Community Survey 1-year estimate, about 90.1% of Pennsylvania residents age 25 and older had a high school diploma or higher educational attainment, and 30.8% had a bachelor's degree or higher. In addition, 9.8% of persons age 25 and older have less than a high school diploma, 35.1% were high school graduates and 18.8% had a bachelor's degree (Table 4). There is an association between poverty and educational attainment. The poverty level among residents 25 years and older with less than a high school diploma was 24.7% compared to those with a bachelor's degree or higher at 3.9%. In addition, the median earnings among Pennsylvanians 25 years and over varied with the level of educational attainment. Individuals with less than a high school graduation educational level had median earnings in the past 12 months of \$22,805 compared to those with bachelor's degree at \$51,199 (in 2016 inflation-adjusted dollars).

Table 4: Educational Attainment Among Population 18 Years and Older by Sex, Pa., 2016

Characteristics	Total		Males		Females	
	Number	Percent	Number	Percent	Number	Percent
Population 18 to 24 years	1,187,407		602,779		584,628	
< high school graduate	143,157	12.1	84,669	14.0	58,488	10.0
High school graduate	400,098	33.7	219,425	36.4	180,673	30.9
Some college or associate degree	499,538	42.1	237,623	39.4	261,915	44.8
Bachelor's degree or higher	144,614	12.2	61,062	10.1	83,552	14.3
Population 25 years+	8,921,975		4,289,950		4,632,025	
<9th grade	289,165	3.2	143,715	3.4	145,450	3.1
9th to 12th grade no diploma	591,181	6.6	304,020	7.1	287,161	6.2
High school graduate	3,132,444	35.1	1,533,643	35.7	1,598,801	34.5
Some college, no degree	1,431,231	16.0	687,805	16.0	743,426	16.0
Associate degree	730,217	8.2	307,399	7.2	422,818	9.1
Bachelor's degree	1,676,971	18.8	810,836	18.9	866,135	18.7
Graduate or professional degree	1,070,766	12.0	502,532	11.7	568,234	12.3

Data source: U.S. Census Bureau, 2016 ACS 1-year estimates. Educational attainment. Table S1501

Health insurance status:

With the expansion of Medicaid through the Affordable Care Act, the number of civilian non-institutionalized Pennsylvanians with some form of health insurance coverage was 94.4% in 2016 compared to 91.4% in the United States. Among those insured, 72.9% had private health insurance (67.8% in the U.S.), while 36.4% had public coverage (35.4% in the U.S.). Only 5.6% of civilian non-institutionalized Pa.'s were without health insurance coverage compared to 8.6% in the U.S. in 2016. It is estimated that 4.4% of civilian non-institutionalized children under 18 years of age were without health insurance. Among adults age 18 to 64 in the labor force and employed, 93.3% had health insurance coverage, while 81.3% of those in the labor force but unemployed had health insurance coverage (Table 5). Table 6 provides more information on health insurance status by sex, age, race/ethnicity and educational attainment.

Table 5: Health Insurance Status Among Non-institutionalized Civilians by Employment status, Pa., 2016

Health insurance coverage	Estimate	Percent
Civilian non-institutionalized population	12,579,422	
With health insurance coverage	11,870,945	94.4
With private health insurance	9,165,218	72.9
With public coverage	4,580,167	36.4
No health insurance coverage	708,477	5.6
Civilian non-institutionalized population under 18 years	2,666,701	
No health insurance coverage	116,374	4.4
Civilian non-institutionalized population 18 to 64 years	7,772,430	
In labor force:	5,994,415	
Employed:	5,653,788	
With health insurance coverage	5,276,124	93.3
With private health insurance	4,851,742	85.8
With public coverage	571,652	10.1
No health insurance coverage	377,664	6.7
Unemployed:	340,627	
With health insurance coverage	276,868	81.3
With private health insurance	157,911	46.4
With public coverage	131,198	38.5
No health insurance coverage	63,759	18.7
Not in labor force:	1,778,015	
With health insurance coverage	1,637,331	92.1
With private health insurance	1,005,512	56.6
With public coverage	785,782	44.2
No health insurance coverage	140,684	7.9

Data source: U.S. Census Bureau, 2016 ACS 1-year estimates. Selected economic characteristics. Table DP03

Table 6: Health Insurance Status Among Non-institutionalized Civilians by Socio-demographic Characteristics, Pa., 2016

	Total	Insured		Uninsured	
		Number	Percent	Number	Percent
Civilian non-institutionalized population	12,579,422	11,870,945	94.4	708,477	5.6
Age					
Under 6 years	853,139	813,173	95.3	39,966	4.7
65 years and older	2,140,291	2,130,295	99.5	9,996	0.5
Sex					
Male	6,127,149	5,728,459	93.5	398,690	6.5
Female	6,452,273	6,142,486	95.2	309,787	4.8
Race/ethnicity					
White alone	10,208,459	9,691,351	94.9	517,108	5.1
Black/African American alone	1,350,224	1,252,905	92.8	97,319	7.2
American Indian and Alaska Native alone	22,675	20,153	88.9	2,522	11.1
Asian alone	422,109	391,923	92.8	30,186	7.2
Native Hawaiian and other Pacific Islander alone	3,373	2,995	88.8	378	11.2
Two or more races	316,662	295,667	93.4	20,995	6.6
Hispanic or Latino (of any race)	879,607	758,946	86.3	120,661	13.7
White alone, not Hispanic or Latino	9,708,659	9,258,083	95.4	450,576	4.6
Disability status					
With a disability	1,792,479	1,733,605	96.7	58,874	3.3
No disability	10,786,943	10,137,340	94.0	649,603	6.0
Educational attainment civilian non-institutionalized population 25 years and over	8,740,882	8,247,078	94.4	493,804	5.6
Less than high school graduate	834,951	726,579	87.0	108,372	13.0
High school graduate (or its equivalent)	3,044,714	2,841,104	93.3	203,610	6.7
Some college or associate degree	2,128,914	2,015,971	94.7	112,943	5.3
Bachelor's degree or higher	2,732,303	2,663,424	97.5	68,879	2.5

Data source: U.S. Census Bureau, 2016 ACS 1-year estimates. Selected characteristics of health insurance coverage in the United States. Table S2701

Disability: In Pa., 14.2% of the civilian non-institutionalized population had a disability compared to 12.8% in the U.S. Disability increases with age with 0.5% of the population under 5 years of age having some form of disability compared to 7.1% of the population age 5 to 17, 7.3% of the population age 18 to 34, 14.2% in age 35 to 64, 24.6% among age 65 to 74 and 48% in the population age 75 and over. The percentage of people living with a disability by sex does not differ statistically. An estimated 14.1% (± 0.2) of males and 14.4% (± 0.2) of females had a disability in 2016. Among races, American Indians/Alaskan Natives had the highest percentage of people living with a disability at 23.8%. An estimated 3.8%,

2.4% and 5.9% of Pennsylvanians had a hearing, vision and cognitive difficulty, respectively. These groups present unique challenges as different organizations working on HIV need to target prevention messages to meet the unique needs of these populations.

Table 7: Disability Among Non-institutionalized Civilians, Pa., 2016

	Total	With a disability	
		Number	Percent
Total civilian noninstitutionalized population	12,579,422	1,792,479	14.2
Sex			
Male	6,127,149	863,882	14.1
Female	6,452,273	928,597	14.4
Race/ethnicity and Hispanic/Latino origin			
White alone	10,208,459	1,462,578	14.3
Black/African American alone	1,350,224	215,771	16.0
American Indian and Alaska Native alone	22,675	5,407	23.8
Asian alone	422,109	29,386	7.0
Native Hawaiian and other Pacific Islander alone	N*	N*	N*
Some other race alone	255,920	35,939	14.0
Two or more races	316,662	42,775	13.5
White alone, not Hispanic or Latino	9,708,659	1,394,588	14.4
Hispanic or Latino (of any race)	879,607	122,982	14.0
Age			
Under 5 years	709,676	3,771	0.5
5 to 17 years	1,957,025	138,007	7.1
18 to 34 years	2,810,377	206,507	7.3
35 to 64 years	4,962,053	703,390	14.2
65 to 74 years	1,224,219	301,397	24.6
75 years and over	916,072	439,407	48.0

* Indicates that data for this geographic area cannot be displayed because the number is too small

Data source: U.S. Census Bureau, 2016 ACS 1-year estimates. Disability characteristic. Table S1810

Homelessness: In Pennsylvania, an estimated 15,339 individuals were homeless in 2016, of which 13,664 (89.1%) were sheltered and 1,675 (10.9%) were unsheltered. A total of 1,209 (7.9%) were chronically homeless, 1,136 (7.4%) were veterans and 868 (5.7%) were homeless unaccompanied youths age 25 years and younger.⁸ The number of homeless individuals increased since 2010, when there were 14,516 homeless individuals. This represents a 5.7% increase in the number of homelessness individuals from 2010 to 2016. The issue of homelessness is particularly challenging for individuals living with chronic infection (such as HIV) and their caregivers because homelessness has been associated with reduced access to care, engagement in harmful behaviors, lower survival rate and poor adherence to treatment.

Section 2: HIV Burden in Pa., 2012-2016

Subsection I. Newly Diagnosed HIV Infection in Pa., 2016

Table 8: Number and Rate of Newly Diagnosed HIV Infection by Sex and Race/Ethnicity, Pa., 2016

Race/ethnicity	Male			Female			Total		
	No.	%	Rate	No.	%	Rate	No.	%	Rate
Hispanic	136	18.0	29.5	40	16.9	9.0	176	17.8	19.5
American Indian	-	-	-	-	-	-	-	-	-
Asian	14	1.9	6.7	-	-	-	17	1.7	3.9
Black/African American	335	44.4	50.6	143	60.3	20.0	478	48.2	34.7
White	253	33.6	5.3	46	19.4	0.9	299	30.2	3.0
Multiple race	15	2.0	15.0	-	-	-	18	1.8	8.8
Total	754	100	12.0	237	100	3.6	991	100	7.8

Data source: Pa. HIV surveillance

Dash (-) indicates a suppressed case count of less than or equal to 5.

Rates are per 100,000 population.

In 2016, the total number of individuals newly diagnosed with HIV was 991. Of this total, 754 (76.1%) were males and 237 (23.9%) were females. By race/ethnicity, 478 (48.2%) were black/African American, 299 (30.2%) were white, 176 (17.8%) were Hispanic, 17 (1.7%) were Asian and 18 (1.8%) were of multiple races. The rate of newly diagnosed HIV cases in 2016 in Pa. was 7.8 per 100,000 population. The newly diagnosed HIV rate for males was more than three times the rate for females (12.0 per 100,000 compared to 3.6 per 100,000). Black/African American males and females had the highest rates of newly diagnosed HIV cases at 50.6 per 100,000 black/African American male population and 20 per 100,000 black/African American female population compared to other races and ethnicities. Overall, the rate of newly diagnosed HIV cases in blacks/African Americans was 34.7 per 100,000 population compared to 19.5 per 100,000 population for Hispanics and 3.0 per 100,000 population for whites (Table 8).

Table 9: Number of Diagnosed HIV Infection by Sex and Age at Diagnosis, Pa., 2016

Age group (years)	Male		Female		Total	
	No.	%	No.	%	No.	%
0-12	-	-	-	-	-	-
13-14	-	-	-	-	-	-
15-24	189	25.1	28	11.8	217	21.9
25-34	257	34.1	67	28.3	324	32.7
35-44	137	18.2	52	21.9	189	19.1
45-54	111	14.7	61	25.7	172	17.4
55 - 64	48	6.4	27	11.4	75	7.6
≥65	10	1.3	-	-	11	1.1
Total	754	100	237	100	991	100

Data source: Pa. HIV surveillance

Dash (-) indicates a suppressed case count of less than or equal to 5.

In 2016, the highest number and percentage of newly HIV diagnosed infection were in the 25 to 34-year-old age group. This age group accounted for a total of 324 (32.7%) of all newly diagnosed HIV infections in Pennsylvania. Among males, about a third of newly diagnosed HIV infection were among those age 25 to 34 compared to 28.3% among females in this age group. Among those age 15 to 44, a total of 730 newly diagnosed cases were reported, and males accounted for 583 (79.9%) of all newly diagnosed HIV infection compared to 147 (20.1%) of females in this age group (Table 9).

Table 10: Number of Newly Diagnosed HIV Infection by Sex and Transmission Category, Pa., 2016

Transmission category	Male		Female		Total	
	No.	%	No.	%	No.	%
MSM	518	68.7	-	-	518	52.3
IDU	28	3.7	21	8.9	49	4.9
MSM and IDU	23	3.1	-	-	23	2.3
Heterosexual contact	103	13.7	141	59.5	244	24.6
All pediatric mode	-	-	-	-	-	-
Other*	81	10.7	74	31.2	155	15.6
Total	754	100	237	100	991	100

Data source: Pa. HIV surveillance

Other transmission category included risk not reported or not identified.

Dash (-) indicates a suppressed case count of less than or equal to 5.

By transmission category, 518 (52.3%) of people newly diagnosed with HIV infection in 2016 were men who have sex with men (MSM). In addition, 24.6% became infected through heterosexual contact, 49 (4.9%) cases were infected through injection drug use (IDU) and 23 (2.3%) through MSM and IDU contact. A total of 155 (15.6%) newly diagnosed HIV cases did not have any risk factor reported, or the risk factor was not identified. Among males, MSM (68.7%) accounted for the highest number of newly diagnosed HIV infection, while among

females, heterosexual contact (59.5%) accounted for the highest mode of transmission (Table 10).

Table 11: Number of Newly Diagnosed HIV Infection by Transmission Category and Race/Ethnicity, Pa., 2016

Race/ethnicity	MSM	IDU	MSM and IDU	Heterosexual contact	All pediatric mode	Other*	Total	
							Number	Percent
Hispanic	91	16	-	35	-	30	176	17.8
Asian	12	-	-	-	-	-	17	1.7
Black/African American	225	10	-	159	-	77	478	48.2
Multiple race American	13	-	-	-	-	-	18	1.8
Indian	-	-	-	-	-	-	-	-
White	176	23	14	44	-	42	299	30.2
Total	518	49	23	244	2	155	991	100

Data source: Pa. HIV surveillance

* Other transmission category includes risk not reported or risk not identified.

Dash (-) indicates a suppressed case count of less than or equal to 5.

By race, blacks/African Americans accounted for 478 (48.2%) of all newly diagnosed HIV infection in 2016, while whites accounted for 299 (30.2%) and Hispanics, 176 (17.8%). By transmission category, blacks/African Americans had the highest number of diagnosed HIV cases attributable to MSM compared to other races/ethnicities. A total of 225 (43.4%) cases of all newly diagnosed HIV infection attributable to MSM were among blacks/African Americans compared to 176 cases (34%) in whites. Likewise, diagnosed HIV cases attributable to heterosexual contact was also higher among blacks/African Americans compared to whites (65.2% versus 18%) [Table 11].

Table 12: Number and Rate of Deaths Among Persons With a Diagnosis of HIV Infection by Sex and Race/Ethnicity, Pa., 2016

Race/ethnicity	Male			Female			Total		
	No.	%	Rate	No.	%	Rate	No.	%	Rate
Hispanic	29	9.7	6.3	22	16.5	5.0	51	11.8	5.6
American Indian	-	-	-	-	-	-	-	-	-
Asian	-	-	-	-	-	-	-	-	-
Black/African American	160	53.7	24.1	79	59.4	11.0	239	55.5	17.3
White	93	31.2	1.9	29	21.8	0.6	122	28.3	1.2
Multiple race	16	5.4	16.0	-	-	-	19	4.4	9.3
Total	298	100	4.8	133	100	2.0	431	100	3.4

Data source: Pa. HIV surveillance

Rates are per 100,000 population.

Dash (-) indicates a suppressed case count of less than or equal to 5.

The overall death rate in persons diagnosed with HIV infection in 2016 was higher among males at 4.8 per 100,000 male population compared to females at 2.0 per 100,000 female population. By race, blacks/African Americans had a higher death rate of 17.3 per 100,000 population compared to 1.2 per 100,000 for whites or 5.6 per 100,000 population for Hispanics. Overall, the death rates among blacks/African Americans diagnosed with HIV infection was approximately 14 times the death rate for whites. By race and sex, black/African American males diagnosed with HIV infection had the highest death rate of 24.1 per 100,000 male population compared to 1.9 per 100,000 for white males or 6.3 per 100,000 for Hispanic males (Table 12). The reasons for this disparity are unknown. However, lack of access to care, stigma, self-denial and other social factors might be contributing to poorer health outcomes among blacks/African Americans living with HIV compared to other races/ethnicities.

Subsection II. Five-Year Newly Diagnosed HIV Cases in Pa., 2012-2016

Table 13: Number of People Diagnosed With HIV Infection by Year of Diagnosis and Sex, Pa., 2012-2016

Sex	Cumulative cases through 2011						Cumulative cases through Dec. 31, 2016	
	No.	No.	No.	No.	No.	No.	No.	Percent
Female	13,598	368	277	261	263	237	15,004	24.8
Male	40,842	1,094	1,058	953	902	754	45,603	75.2
Total	54,440	1,462	1,335	1,214	1,165	991	60,607	100

Data source: Pa. HIV surveillance

Prior to 2012, a total of 54,440 cases were diagnosed. From 2011 through the end of 2016, a total of 6,167 cases were newly diagnosed. However, the number of newly diagnosed cases per year have been on the decline. There were 1,462 new cases in 2012 compared to 991 new cases in 2016. Approximately 24.8% of all newly diagnosed HIV infections through year-end 2016 were among females, while 75.2% were among males (Table 13).

Table 14: Number of People Diagnosed With HIV Infection by Year of Diagnosis and Race/Ethnicity, Pa., 2012-2016

Race/ethnicity	Cumulative cases through						Cumulative cases through Dec. 31, 2016	
	2011	2012	2013	2014	2015	2016	No.	Percent
	No.	No.	No.	No.	No.	No.	No.	
Hispanic American Indian	7351	219	163	166	152	176	8,227	13.6
Asian	42	-	-	-	-	-	59	0.1
Black/African American	261	21	28	23	21	17	371	0.6
White	26,683	786	723	633	629	478	29,932	49.4
Multiple race	18,552	402	377	360	344	299	20,334	33.6
	1,551	31	39	28	17	18	1,684	2.8
Total	54,440	1,462	1,335	1,214	1,165	991	60,607	100

Data source: Pa. HIV surveillance

Dash (-) indicates a suppressed case count of less than or equal to 5.

Individuals who identify as blacks/African Americans made up 29,932 (49.4%) of all diagnosed cases through year-end 2016. Whites and Hispanics made up 20,334 (33.6%) and 8,227 (13.6%) of all the cases diagnosed, respectively. Individuals who identify as Asians, American Indian/Alaskan Natives and multiple race made up 3.5% of all the diagnosed HIV cases (Table 14).

Table 15: Number of People Diagnosed With HIV Infection by Year of Diagnosis and Age at Diagnosis, Pa., 2012-2016

Age (years)	Cumulative cases through						Cases from 2012-2016	Cumulative cases through Dec. 31, 2016	
	2011	2012	2013	2014	2015	2016		No.	Percent
	No.	No.	No.	No.	No.	No.	No.	No.	Percent
0-12	718	10	8	-	6	-	31	749	1.2
13-14	83	-	-	-	-	-	8	91	0.2
15-24	6,435	315	289	263	263	217	1,347	7,782	12.8
25-34	17,678	365	361	331	345	324	1,726	19,404	32.0
35-44	17,615	309	240	243	219	189	1,200	18,815	31.0
45-54	8,580	309	275	233	205	172	1,194	9,774	16.1
55-64	2,623	119	128	105	101	75	528	3,151	5.2
≥65	708	32	33	32	25	11	133	841	1.4
Total	54,440	1,462	1,335	1,214	1,165	991	6,167	60,607	100

Data source: Pa. HIV surveillance

Dash (-) indicates a suppressed case count of less than or equal to 5.

The highest number of newly diagnosed HIV cases was in the age group 25 to 34. This age group accounted for 19,404 (32%) of the total diagnosed cases. From 2012 through the end of 2016, the age group 25 to 34 also accounted for 1,726 (28%) of all newly diagnosed HIV cases. Individuals in age group 35 to 44 accounted for 18,815 (31%) of all diagnosed HIV cases. In the five-year period from 2012 through year-end of 2016, a total of 4,273 (69.3%) of all diagnosed HIV cases were in individuals within the age group of 15 to 44 years of age (Table 15).

Table 16: Number of People Diagnosed With HIV infection by Year of Diagnosis and Transmission Category, Pa., 2012-2016

Transmission category	Cumulative cases through						Cumulative cases through Dec. 31, 2016	
	2011	2012	2013	2014	2015	2016	No.	Percent
MSM	19,731	648	646	612	623	518	22,778	37.6
IDU	15,122	121	94	66	60	49	15,512	25.6
MSM and IDU	2,786	33	30	27	24	23	2,923	4.8
Heterosexual contact	13,071	476	444	433	320	244	14,988	24.7
All pediatric mode	647	8	10	-	-	-	674	1.1
*Other	3,083	176	111	72	135	155	3,732	6.2
Total	54,440	1,462	1,335	1,214	1,165	991	60,607	100

Data source: Pa. HIV surveillance

* Other transmission category included unknown risk factor, risk not reported, no risk factor identified, and blood transfusion.

Dash (-) indicates a suppressed case count of less than or equal to 5.

Cumulatively, MSM accounted for the highest number of cases, as well as for newly diagnosed HIV cases. A total of 22,778 (37.6%) cases have been diagnosed among MSM. Heterosexual contact accounted for 14,988 (24.7%), IDU accounted for 15,512 (25.6%) and MSM and IDU accounted for 2,923 (4.8%) newly diagnosed HIV cases. The number of diagnosed HIV cases attributable to IDU decreased by 60% from 121 cases in 2012 to 49 cases in 2016. The last known documentation in the Pa.'s surveillance system of HIV acquired through blood transfusion was in 2007. Historically, a total of 524 diagnosed HIV cases were acquired through blood transfusion from 1980-2007. Overall, the number of diagnosed HIV cases attributable to any of the above-mentioned known transmission categories in table 16 (and not other category) have been decreasing from year to year and, specifically, from 2012 through year-end 2016 (Table 16).

Table 17: Newly Diagnosed HIV Cases by Race and Age at Diagnosis, Pa., 2012-2016

Age group (years)	White	Black/African American	Hispanic	American Indian	Asian	Multiple race	Total	Percent
0-12	-	22	-	-	-	-	31	0.5
13-14	-	7	-	-	-	-	8	0.1
15-24	256	861	175	-	18	32	1,347	21.8
25-34	511	880	256	-	39	35	1,726	28.0
35-44	363	565	218	-	30	22	1,200	19.5
45-54	430	565	151	-	14	30	1,194	19.4
55 - 64	176	282	56	-	6	8	528	8.6
≥65	44	67	17	-	-	-	133	2.2
Total	1,782	3,249	876	16	111	133	6,167	100

Data source: Pa. HIV surveillance

Dash (-) indicates a suppressed case count of less than or equal to 5.

A total of 6,167 newly diagnosed HIV cases were reported from 2012 to 2016. Blacks/African Americans accounted for 3,249 (52.7%) of newly diagnosed HIV cases during this period. Individuals in age group 15-34 accounted for 3,073 (49.8%) of all newly diagnosed HIV cases, with blacks/African Americans accounting for 1,741 (56.7%) of the total number. The number of newly diagnosed HIV cases decreased with age, starting from age 15, in all races/ethnicity. The number of newly diagnosed HIV cases in the five-year period among age group 0 to 14 was 39, of which 29 (74.4%) were blacks/African Americans.

Subsection III: HIV Prevalence/PLWH in Pa.

Table 18: The Number of PLWH by Year and Sex, Pa., 2012-2016

	2012	2013	2014	2015	2016	2016
Sex	No.	No.	No.	No.	No.	Percent
Female	9,931	10,141	10,378	10,554	10,807	27.0
Male	25,968	26,806	27,621	28,304	29,278	73.0
Total	35,899	36,947	37,999	38,858	40,085	100

Data source: Pa. HIV surveillance

The number of PLWH at year-end 2016 was 40,085; 29,278 (73%) were males and 10,807 (27%) were females. The number of PLWH increased from 35,899 at year-end 2012 to 40,085 at year-end 2016 (Table 18). These estimates use the last known address reported in the surveillance system and provide the closest count we can get, considering the immigration in and emigration out of the Commonwealth of Pa. With advances in diagnosis,

treatment options, availability of care and implementation of prevention measures, fewer people are getting infected with HIV and more people are living longer with the infection.

Table 19: The Number of PLWH by Year and Race/Ethnicity, Pa., 2012-2016

	2012	2013	2014	2015	2016	2016
Race/ethnicity	No.	No.	No.	No.	No.	Percent
Hispanic, all races	5,682	5,867	6,075	6,239	6,519	16.3
American Indian	36	37	43	45	52	0.1
Asian	205	237	269	287	315	0.8
Black/African American	17,024	17,518	18,068	18,470	18,991	47.4
Native Hawaiian	24	28	27	30	30	0.1
White	11,566	11,873	12,118	12,373	12,744	31.8
Multiple Race/unknown	1,362	1,387	1,399	1,414	1,434	3.6
Total	35,899	36,947	37,999	38,858	40,085	100

Data source: Pa. HIV surveillance

Individuals who identified as blacks/African Americans are often disproportionately impacted by HIV. A total of 18,991 (47.4%) of PLWH at year-end 2016 were blacks/African Americans compared to individuals who identified as white (12,744 or 31.8%) or Hispanics (6,519 or 16.3%) [Table 19].

Table 20: The Number of PLWH by Current Age at Each Year-end, Pa., 2012-2016

	2012	2013	2014	2015	2016	2016
Current age (years)	No.	No.	No.	No.	No.	Percent
0-12	118	113	103	101	91	0.2
13-14	58	40	37	32	29	0.1
15-24	1,569	1,518	1,459	1,341	1,265	3.2
25-34	4,504	4,720	4,959	5,151	5,413	13.5
35-44	7,798	7,484	7,176	6,919	6,852	17.1
45-54	13,086	13,352	13,408	13,268	13,085	32.6
55-64	7,026	7,661	8,456	9,237	10,031	25.0
≥65	1,740	2,059	2,401	2,809	3,319	8.3
Total	35,899	36,947	37,999	38,858	40,085	100

Data source: Pa. HIV surveillance

Individuals age 45 to 64 accounted for 57.7% (23,116) of PLWH at year-end 2016. A total of 3,319 (8.3%) of PLWH were 65 years or older. More people are living longer with HIV infection with advances in pharmacotherapeutics and increased access to care.

Table 21: The Number of PLWH by Year and Transmission Category, Pa., 2012-2016

	2012	2013	2014	2015	2016	2016
Transmission category	No.	No.	No.	No.	No.	Percent
MSM	13,044	13,709	14,388	14,944	15,699	39.2
IDU	7,861	7,768	7,686	7,608	7,575	18.9
MSM and IDU	1,759	1,772	1,761	1,787	1,829	4.6
Heterosexual contact	10,495	10,866	11,272	11,509	11,809	29.5
All pediatric mode	572	577	588	601	603	1.5
*Other	2,168	2,255	2,304	2,409	2,570	6.4
Total	35,899	36,947	37,999	38,858	40,085	100

Data source: Pa. HIV surveillance

* Other transmission category included unknown risk factor, risk not reported, no risk factor identified, and blood transfusion.

Among PLWH, transmission through MSM still accounts for the highest number of cases. A total of 15,699 (39.2%) of PLWH who are alive at year-end 2016 were MSM compared to 11,809 (29.5%) heterosexuals or 7,575 (18.9%) IDU or 1,829 (4.6%) MSM and IDU (Table 21). PLWH with other/unknown mode of transmission were 2,570 (6.4%). It is important to identify the transmission category in these individuals to better provide HIV prevention services and messages.

Subsection IV: Five-year Mortality Data Among People Diagnosed With HIV Infection

Table 22: Number of Deaths Among Persons With a Diagnosis of HIV Infection by Year of Death and Sex, Pa., 2012-2016

Sex	Cumulative deaths through 2011						Cumulative deaths through Dec. 31, 2016	
	No.	No.	No.	No.	No.	No.	No.	Percent
Female	4,385	162	166	162	143	133	5,151	20.5
Male	17,952	429	466	456	372	298	19,973	79.5
Total	22,337	591	632	618	515	431	25,124	100

Data source: Pa. HIV surveillance

Among the 60,607 persons ever diagnosed with HIV infection while residing in Pa., the number of cumulative total deaths by year-end 2016 for PLWH was 25,124 (41.5%). These deaths may or may not have occurred in Pa. A total of 2,787 deaths were reported between 2012 and year-end 2016. In the five-year period, 2012 to 2016, the highest number of deaths occurred in year 2013. The total number of HIV associated deaths have decreased from 591 deaths in 2012 to 431 deaths in 2016. By sex, 15,004 females were diagnosed in Pa. at year-end 2016, of which 5,151 (34.3%) experienced HIV-associated mortality. Among males, 45,603 HIV cases have been diagnosed up to year-end 2016, of which 19,973 (43.8%) HIV-associated deaths have occurred (Table 22).

Table 23: Number of Deaths Among Persons With a Diagnosis of HIV by Year of Death and Race/Ethnicity, Pa., 2012-2016

Race/ethnicity	Cumulative deaths through						Cumulative deaths through	
	2011	2012	2013	2014	2015	2016	Dec. 31, 2016	Percent
	No.	No.	No.	No.	No.	No.	No.	Percent
Hispanic, all races	2,370	74	82	88	53	51	2,718	10.8
American Indian	12	-	-	-	-	-	14	0.1
Asian	60	-	-	-	-	-	67	0.3
Black/African American	11,113	287	339	291	264	239	12,533	49.9
White	8,480	199	183	208	173	122	9,365	37.3
Multiple Race	302	30	25	29	22	19	427	1.7
Total	22,337	591	632	618	515	431	25,124	100

Data source: Pa. HIV surveillance

Dash (-) indicates a suppressed case count of less than or equal to 5.

Blacks/African Americans had a disproportionately high HIV-associated mortality compared to other races/ethnicities. Blacks/African Americans accounted for a total 12,533 (49.9%) of all reported HIV associated deaths. Whites and Hispanics accounted for 9,365 (37.3%) and 2,718 (10.8%) HIV-associated mortality, respectively (Table 23).

Table 24: Number of Deaths Among Persons With a Diagnosis of HIV by Year of Death and Age at Death, Pa., 2012-2016

Age (years)	Cumulative deaths through 2011	2012	2013	2014	2015	2016	Cumulative deaths from 2012-2016	Cumulative deaths through Dec. 31, 2016 (Total)	Percent
	No.	No.	No.	No.	No.	No.	No.	No.	
0-12	149	-	-	-	-	11	12	161	0.6
13-14	13	-	-	-	-	-	-	13	0.1
15-24	363	6	5	4	1	3	19	382	1.5
25-34	4,552	26	37	27	29	24	143	4,695	18.7
35-44	7,975	97	82	65	54	43	341	8,316	33.1
45-54	5,902	217	202	219	163	99	900	6,802	27.1
55-64	2,457	184	209	204	173	166	936	3,393	13.5
≥65	926	61	97	99	94	85	436	1,362	5.4
Total	22,337	591	632	618	515	431	2,787	25,124	100

Data source: Pa. HIV surveillance

Dash (-) indicates a suppressed case count of less than or equal to 5.

The age group 35 to 44 contributed the most (33.1%) to cumulative mortality reported at year-end 2016. However, looking at the mortality data from year 2012 to 2016, PLWH in the age group 55 to 64 contributed the highest number (936 out of 2,787) to the total mortality reported during this period (Table 24).

Table 25: Number of Deaths Among Persons With a Diagnosis of HIV Infection by Transmission Category and Year of Death, Pa., 2012-2016

Transmission category	Cumulative deaths through						Cumulative deaths through Dec. 31, 2016 (Total)	
	2011	2012	2013	2014	2015	2016	No.	percent
MSM	8,651	156	154	162	143	102	9,368	37.3
IDU	7,744	200	214	204	166	140	8,668	34.5
MSM and IDU	1,345	33	39	39	25	23	1,504	6.0
Heterosexual contact	3,289	165	195	176	141	132	4,098	16.3
All pediatric mode	155	-	-	-	-	6	165	0.7
*Other	1,153	35	28	37	40	28	1,321	5.3
Total	22,337	591	632	618	515	431	25,124	100

Data source: Pa. HIV surveillance

* Other transmission category included unknown risk factor, risk not reported, no risk factor identified, and blood transfusion.

Dash (-) indicates a suppressed case count of less than or equal to 5.

HIV mortality through year-end 2016 among individuals identified as MSM accounted for 9,368 (37.3%) of all cases. This was followed closely by IDU with a mortality of 8,668 (34.5%) and 4,098 (16.3%) among heterosexuals. A total of 2,787 deaths were reported between 2012 and 2016. During this period, the total number of deaths associated with IDU was 924 (33.2%), which is a third of all HIV-related deaths compared to 717 (25.7%) among MSM and 809 (29%) among heterosexuals during this five-year period (Table 25). The disproportionate increase in HIV-associated mortality among individuals identified as IDUs is a source of concern as the Commonwealth of Pa. has been reporting an increase in opioid use and opioid deaths.

Subsection V: Indicators of Risk for HIV Infection in Pa.

The risk factors for HIV infection are those determinants that increase the likelihood of exposure to HIV infection. The Youth Risk Behavior Survey (YRBS) and the Pa. Behavioral Risk Factor Surveillance System (BRFSS) are both proxies that were reviewed to determine these indicators of risk. This section of the epidemiologic profile will provide information on the different risks by race/ethnicity, age and transmission category in individuals that are newly diagnosed with HIV infection. Please note that the YRBS is conducted in the spring of

odd-numbered years, and the results are released the summer of the following year. For this profile, the most recent available data is the 2017 YRBS.

The YRBS is a national school-based survey conducted by CDC, states, territorial, tribal, and local governments. It obtains data from high school students from the ninth grade to the 12th grade. It monitors six types of health-risk behaviors, including: behaviors that contribute to unintentional injuries and violence; sexual behaviors related to unintended pregnancy and sexually transmitted infections, including HIV infection; alcohol and other drug use; tobacco use; unhealthy dietary behaviors; and inadequate physical activity. Three of these indicators will be examined in this profile namely: behaviors that contribute to unintentional injuries and violence; sexual behaviors related to unintended pregnancy and sexually transmitted infections, including HIV infection; and alcohol and other drug use.¹⁷

The BRFSS is a telephone survey that collects information on U.S residents regarding their health-related risk-behaviors, chronic health conditions and use of preventive services. In this report, a summary of self-reporting on HIV testing at year-end 2016 will be presented.

The YRBS focuses on high school students in grades nine to 12 (age 14 to 18) and examines those factors that might predispose this group to HIV. Based on the 2017 YBRBS (most recent data), 86.5% of high school students in Pa. were never tested for HIV despite 27.1% being currently sexually active.¹³ Out of the 27.1% currently sexually active, 40.6% did not use a condom during the last sexual intercourse. In addition, among students who are currently sexually active, 16.3% also used drugs or drank alcohol before last sexual intercourse.¹⁸ The relationship between alcohol, drug use, and increased participation in risky sexual behaviors that might expose an individual to HIV and other sexually transmitted diseases have been well established.¹⁴

Using 2015-2016 school enrollment reports from the Pa. Department of Education, 546,617 students were enrolled in ninth to 12th grades in public schools.³ The YRBS data shows that there was low level of HIV testing among this age group, and risk-taking behavior would be a source of concern to all.

Table 26: Selected Indicators of Risk for HIV Infection Among Adolescents Age 14-18 in Pa., 2017

Selected YBRS sexual behaviors questions, 2017	Percent	95% CI*
Ever had sexual intercourse	37.6	34.6-40.8
Had sexual intercourse for the first time before age 13 years	3.7	2.8-4.9
Had sexual intercourse with 4 or more persons during their life	8.8	7.3-10.6
Were currently sexually active (had sexual intercourse with at least 1 person, during the 3 months before the survey)	27.1	24.6-29.8
Did not use a condom during last sexual intercourse (among students who were currently sexually active)	40.6	36.6-44.9
Did not use birth control pills before last sexual intercourse (to prevent pregnancy, among students who were currently sexually active)	76.4	72.5-79.8
Did not use an IUD (e.g., Mirena or ParaGard) or implant (e.g., Implanon or Nexplanon) before last sexual intercourse (to prevent pregnancy, among students who were currently sexually active)	96.6	94.9-97.8
Did not use a shot (e.g., Depo-Provera), patch (e.g., OrthoEvra), or birth control ring (e.g., NuvaRing) before last sexual intercourse (to prevent pregnancy, among students who were currently sexually active)	95.3	92.0-97.3
Did not use birth control pills; an IUD or implant or a shot or patch or birth control ring before last sexual intercourse (to prevent pregnancy, among students who were currently sexually active)	68.3	63.7-72.5
Did not use both a condom during last sexual intercourse and birth control pills; an IUD or implant or a shot or patch, or birth control ring before last sexual intercourse (to prevent pregnancy, among students who were currently sexually active)	86.8	83.5-89.5
Did not use any method to prevent pregnancy during last sexual intercourse (among students who were currently sexually active)	11.8	8.8-15.6
Drank alcohol or used drugs before last sexual intercourse (among students who were currently sexually active)	16.3	13.6-19.3
Were never tested for HIV (not counting tests done if they donated blood)	86.5	83.6-88.9

* Denotes 95% Confidence Interval. A confidence interval gives an estimated range of values which is likely to include an unknown population parameter, the estimated range being calculated from a given set of sample data.

Data source: <http://www.stat.yale.edu/Courses/1997-98/101/confint.htm>

Centers for Disease Control and Prevention. 2017 Youth Risk Behavior Survey. <https://nccd.cdc.gov/youthonline/App/Results.aspx?LID=PA>. Accessed on July 24, 2018

Table 27: Percent of Pa. Adults Age 18-64, Ever Tested for HIV Infection, Pa., 2016

Socio-demographic characteristics	Percent	CI*
All	40	38-42
Sex		
Male	37	34-40
Female	43	40-46
Age group		
18-29	32	28-36
30-44	57	53-60
45-64	33	31-36
Educational status		
Less than high school	45	37-53
High school	36	33-39
Some college	42	38-45
College degree	41	38-44
Income		
Less than \$15,000	53	46-60
\$15,000-\$24,999	51	46-57
\$25,000-\$49,999	41	37-45
\$50,000-\$74,999	34	30-39
\$75,000+	37	34-40
Race/ethnicity		
White	33	31-35
Black/African American	69	63-75
Hispanic	67	59-75

* Denotes 95% Confidence Interval. A confidence interval gives an estimated range of values which is likely to include an unknown population parameter, the estimated range being calculated from a given set of sample data. Source:

<http://www.stat.yale.edu/Courses/1997-98/101/confint.htm>

Data source: Pa. Behavioral Risk Factor Surveillance System, 2016

Using the BRFSS data, an assessment of the level of HIV testing can be made. It should be noted that, in the HIV continuum of care, testing for HIV infection is an important component in estimating the number of PLWH, who have been diagnosed and are aware of their status. Table 27 describes the proportion of Pa. residents age 18-64 who reported they have ever been tested for HIV infection. While the overall testing rate was at 40%, more females (43%) reported having ever been tested for HIV compared to males (37%). Likewise, 57% of individuals in age group 30-44 reported having ever been tested for HIV, compared to 32% among age group 18 to 29 or 33% among age group 45 to 64. By race/ethnicity, 69% of blacks/African Americans reported having ever been tested for HIV infection compared to 67% among Hispanics or 33% among whites (Table 27). Among all age 18 to 64, 7% of all adults, 9% of males, and 6% of females reported that they were either 1) treated for STDs; 2) traded money or drugs for sex; 3) had anal sex without a condom; or 4) had four or more sex partners in the past year. In addition, 14% of youths age 18 to 29 reported that they were

either treated for STDs, traded money or drugs for sex, had anal sex without a condom or had four or more sex partners in the past year compared to 8% among age group 30 to 44 or 3% among age group 45 to 64. By race/ethnicity, 11% of blacks/African Americans, 11% of Hispanics and 7% of whites reported that they were either treated for STDs, traded money or drugs for sex, had anal sex without a condom, or had four or more sex partners in the past year.

Newly diagnosed HIV cases by race and risk

Over 49% of all newly diagnosed HIV cases from 2012 to 2016 were among MSM. Heterosexual contact accounted for 31.1%, IDU 6.3%, MSM/IDU 2.2%, all pediatric mode 0.4% (Table 28). By transmission category 48.2% of newly diagnosed HIV cases among MSM were blacks/African Americans, 12.1% were Hispanics and 35.4% were whites. Also, among those that got infected through heterosexual contact, 65% were blacks/African Americans 16.1% were white and 14.2% were Hispanics. Whites accounted for 37.2% of the newly diagnosed cases attributable to IDU compared to 34.1% among blacks/African Americans or 27.7% among Hispanics. Within each race, the statistics are different. Among blacks/African Americans, MSM accounted for 45.2% of all newly diagnosed cases compared to 38.4% for heterosexual contact or 4.1% for IDU. Among whites, MSM accounted for 60.5% of all newly diagnosed cases compared to 17.3% for heterosexual contact or 8.1% for IDU. Among Hispanics, MSM accounted for 42.1% of all newly diagnosed cases compared to 31.1% for heterosexual contact or 12.3% for IDU (Figure 2).

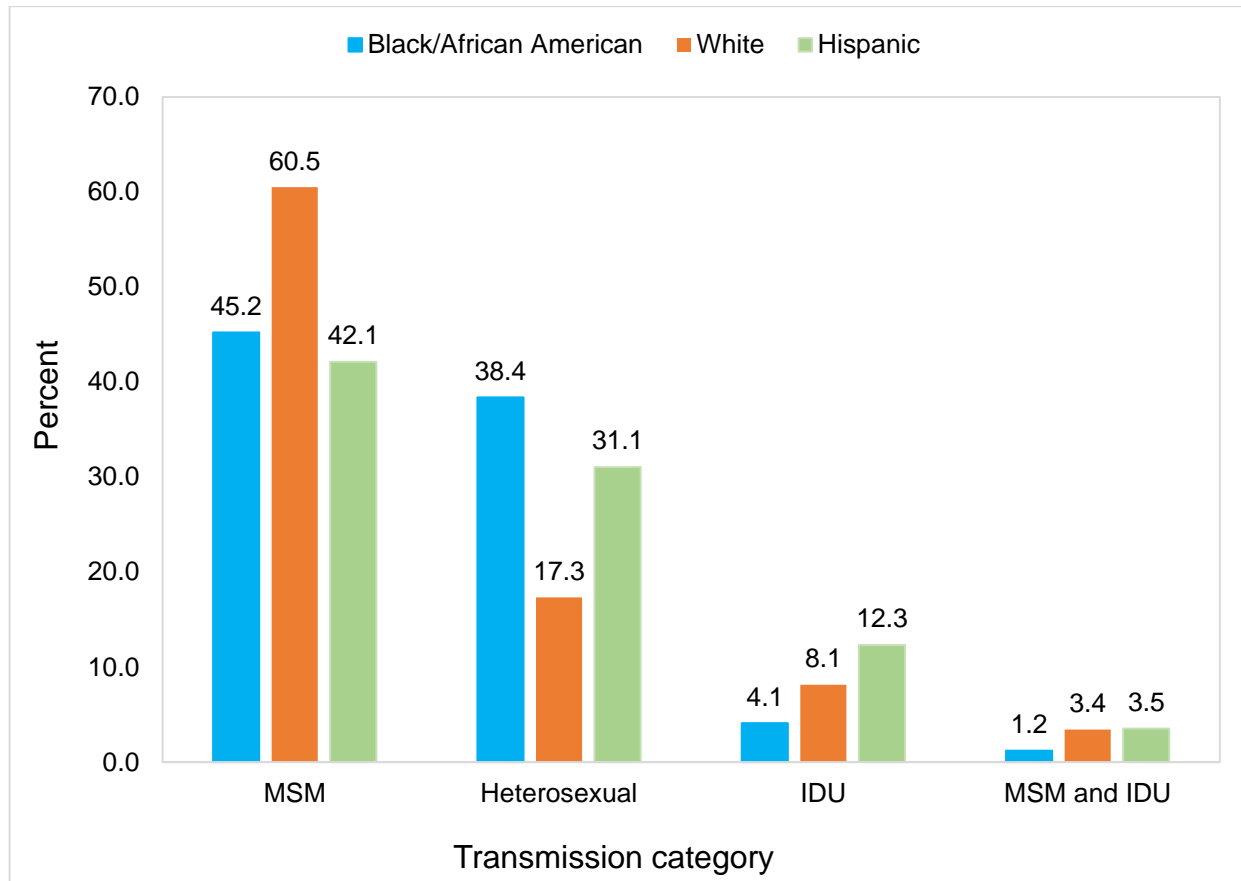
Table 28: Newly Diagnosed HIV Infection by Race and Transmission Category, Pa., 2012-2016

Transmission category	Asian	Black/ African American	Hispanic	Multiple race	American Indian	White	Total	Percent
MSM	54	1,469	369	72	-	1,078	3,047	49.4
Heterosexual	35	1,247	272	44	10	309	1,917	31.1
IDU	-	133	108	-	-	145	390	6.3
MSM and IDU	-	39	31	-	-	61	137	2.2
All pediatric mode	-	20	-	-	-	-	27	0.4
Unknown	16	341	93	10	-	188	649	10.5
Total	110	3,249	876	133	17	1,782	6,167	100

Data source: Pa. HIV surveillance

Dash (-) indicates a suppressed case count of less than or equal to 5.

Figure 2: Newly Diagnosed HIV Infection by Race and Transmission Category, Pa., 2012-2016

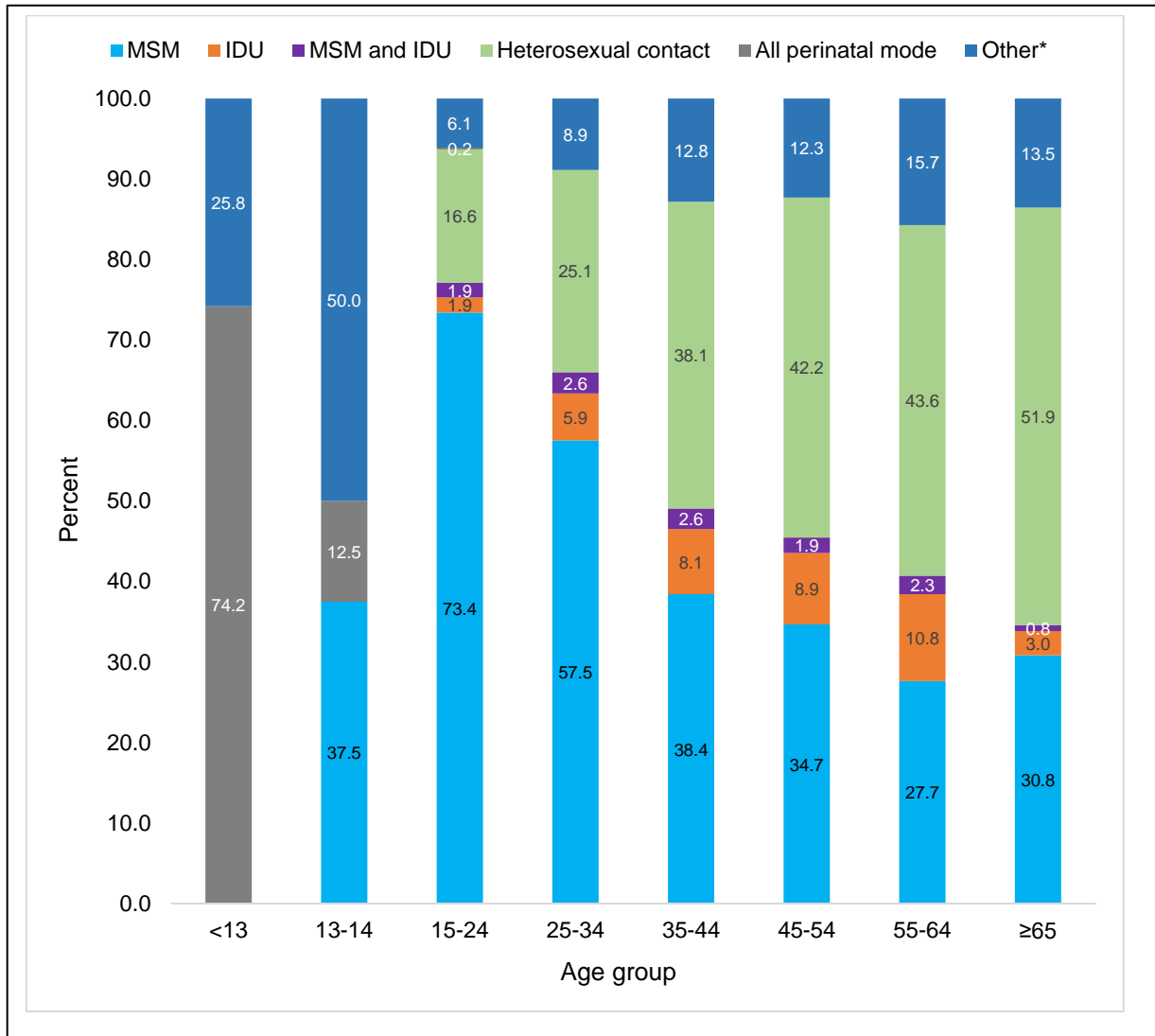


Data source: Pa. HIV surveillance

Newly diagnosed HIV infection by age at diagnosis and transmission category

There are differences in the dominant transmission category in the different age groups. In age group 15-24, 73.4% of all newly diagnosed HIV cases were attributable to MSM and 16.6% were attributable to heterosexual contact. By comparison, in age group 55 to 64, 27.7% were attributable to MSM, while 43.6% were related to heterosexual contact (Figure 3). The proportion of newly diagnosed HIV cases in each age group will help tailor prevention programs that might prevent the occurrence of new cases in the Commonwealth of Pa.

Figure 3: Proportion of Newly Diagnosed HIV Infection by Age at Diagnosis and Transmission Category, Pa., 2012-2016



Data source: Pa. HIV surveillance

* Other transmission category included unknown risk factor, risk not reported, no risk factor identified.

Subsection VI: HIV Infection in the Counties and Subrecipients Regions

The Commonwealth of Pa. has seven regional HIV care subrecipients (Figure 4) supported by the Ryan White HIV/AIDS Program (RWHAP) whose role includes providing a statewide service delivery network to PLWH and their families. These subrecipients are AIDS Activities Coordinating Office (AACO), AIDSNET, Northeast United Way of the Wyoming Valley (NE United Way), Northcentral District AIDS Coalition (Northcentral), Southcentral-Family Health Council of Pa. (SC-FHC), Southwestern-Jewish Health Care Foundation (SW-JHF) and Northwest Clarion (NW Clarion).

Figure 4: The Seven Regional HIV Care Subrecipients, Pa., 2016



Data source: Pennsylvania Department of health-HIV program/grantees. Accessed July 17, 2018. <https://www.health.pa.gov/topics/programs/HIV/Pages/Grantees.aspx>

Legend

- AIDSNET
- AIDS Activities Coordinating Office (AACO)
- Northcentral
- Northeast United Way
- Northwest (NW) Clarion
- Southcentral-Family Health Council (SC-FHC)
- Southwest-Jewish Healthcare Foundation (SW-JHF)

AACO encompassing Philadelphia, Chester, Delaware, Montgomery and Bucks counties is in the region with the highest number of PLWH. A total of 24,213 (60.4%) of PLWH at year-end 2016 resided in the region served by AACO. By gender, a total of 17,521 (72.4%) were males and 6,692 (27.6%) were females (Table 30). About 14,302 (59.1%) of those PLWH residing in the AACO region were black/African American, and 5,526 (22.8%) were white (Tables 31). In addition, 15,346 (63.4%) were age 25 to 54; 9,067 (37.4%) were MSM; 4,798 (19.8%) were IDU and 8,130 (33.6%) were infected through heterosexual contact. The breakdown of PLWH in other regions served by the other subrecipients are highlighted in tables 29, 30, 31, 32 and 33.

Table 29: Number of PLWH in Regions Served by RWHAP Part B Subrecipients, Pa., 2016

Regional Subrecipients	Number	Percent
AACO	24,213	60.4
AIDSNET	3,684	9.2
NE United Way	1,302	3.2
Northcentral	1,032	2.6
NW Clarion	1,047	2.6
SC-FHC	4,281	10.7
SW-JHF	4,526	11.3
Total	40,085	100

Data source: Pa. HIV surveillance

Table 30: Number of PLWH in Regions Served by RWHAP Part B Subrecipients by Sex, Pa., 2016

Regional Subrecipients	Female		Male		Total	
	No	Percent	No	Percent	No	Percent
AACO	6,692	27.6	17,521	72.4	24,213	60.4
AIDSNET	1,275	34.6	2,409	65.4	3,684	9.2
NE United Way	368	28.3	934	71.7	1,302	3.2
Northcentral	215	20.8	817	79.2	1,032	2.6
NW Clarion	247	23.6	800	76.4	1,047	2.6
SC-FHC	1,220	28.5	3,061	71.5	4,281	10.7
SW-JHF	790	17.5	3,736	82.5	4,526	11.3
Total	10,807	27.0	29,278	73.0	40,085	100

Data source: Pa. HIV surveillance

Table 31: Number of PLWH in Regions Served by RWHAP Part B Subrecipients by Race/Ethnicity, Pa., 2016

Race/ethnicity	AACO	AIDSNET	NE United Way	Northcentral	NW Clarion	SC-FHC	SW-JHF	Total	
								Number	Percent
Hispanic	3,419	1,450	242	145	144	918	201	6,519	16.3
American Indian	43	-	-	-	-	-	-	52	0.1
Asian	228	16	-	11	-	23	29	315	0.8
Black /African American	14,302	860	311	354	295	1,165	1,704	18,991	47.4
Native Hawaiian	16	-	-	-	-	-	8	30	0.1
White	5,526	1,170	690	478	560	1,967	2,353	12,744	31.8
Multi-race	679	183	52	43	42	204	231	1,434	3.6
Total	24,213	3,684	1,302	1,032	1,047	4,281	4,526	40,085	100

Data source: Pa. HIV surveillance

Dash (-) indicates a suppressed case count of less than or equal to 5.

Table 32: Number of PLWH in Regions Served by RWHAP Part B Subrecipients by Age Group, Pa., 2016

Age (years)	AACO	AIDSNET	NE United Way	Northcentral	NW Clarion	SC-FHC	SW-JHF	Total	
								Number	Percent
0-12	56	12	-	-	-	13	-	91	0.2
13-14	12	-	-	-	-	-	-	29	0.1
15-24	793	90	39	40	32	109	162	1,265	3.2
25-34	3,573	366	151	96	114	451	662	5,413	13.5
35-44	4,103	620	240	181	207	757	744	6,852	17.1
45-54	7,670	1,279	429	361	371	1,533	1,442	13,085	32.6
55-64	5,938	1,006	342	272	243	1,064	1,166	10,031	25
≥65	2,068	309	98	76	74	349	345	3,319	8.3
Total	24,213	3,684	1,302	1,032	1,047	4,281	4,526	40,085	100

Data source: Pa. HIV surveillance

Dash (-) indicates a suppressed case count of less than or equal to 5.

Table 33: Number of PLWH in Regions Served by RWHAP Part B Subrecipients by Transmission Category, Pa., 2016

Transmission category	AACO	AIDSNET	NE United Way	Northcentral	NW Clarion	SC-FHC	SW-JHF	Total	
								Number	Percent
MSM	9,067	979	467	363	428	1,705	2,690	15,699	39.2
IDU	4,798	884	249	253	179	804	408	7,575	18.9
MSM and IDU	1,055	166	56	77	66	191	218	1,829	4.6
Heterosexual contact	8,130	1,083	356	192	241	1,028	779	11,809	29.5
All pediatric mode	368	76	30	27	14	59	29	603	1.5
Other*	795	496	144	120	119	494	402	2,570	6.4
Total	24,213	3,684	1,302	1,032	1,047	4,281	4,526	40,085	100

* Other transmission category included unknown risk factor, risk not reported, no risk factor identified, and blood transfusion.

Data source: Pa. HIV surveillance

The number of PLWH and prevalence by county, Pa.

At year-end 2016, the number of PLWH and the prevalence of HIV infection in Pa. was 40,085 and 313.6 per 100,000 population, respectively. However, some counties had prevalence that were higher than the overall Pa. rate. Such counties were: Dauphin, Delaware, Lehigh, Philadelphia and Union. Information on the prevalence of HIV infection at the county level will assist in making informed decisions regarding HIV prevention and care resource allocation.

Table 34: The Number of PLWH at Year-end 2016 and Prevalence by County, Pa.

County	PLWH at year-end 2016		County population	Prevalence per 100,000 population
	Number	Percent		
Adams	98	0.2	102,180	95.9
Allegheny	3,400	8.5	1,225,365	277.5
Armstrong	46	0.1	66,486	69.2
Beaver	203	0.5	167,429	121.2
Bedford	23	0.1	48,325	47.6
Berks	1,183	3.0	414,812	285.2
Blair	114	0.3	124,650	91.5
Bradford	51	0.1	60,770	83.9
Bucks	1,018	2.5	626,399	162.5
Butler	105	0.3	186,847	56.2
Cambria	177	0.4	134,732	131.4
Cameron	-	-	4,677	-
Carbon	73	0.2	63,594	114.8
Centre	163	0.4	161,464	101.0
Chester	704	1.8	516,312	136.4
Clarion	72	0.2	38,513	186.9
Clearfield	125	0.3	80,596	155.1
Clinton	23	0.1	39,233	58.6
Columbia	55	0.1	66,420	82.8
Crawford	63	0.2	86,257	73.0
Cumberland	327	0.8	248,506	131.6
Dauphin	1,162	2.9	273,707	424.5
Delaware	2,080	5.2	563,402	369.2
Elk	6	0.0	30,480	19.7
Erie	487	1.2	276,207	176.3
Fayette	113	0.3	132,733	85.1
Forest	13	0.0	7,321	177.6
Franklin	174	0.4	153,851	113.1
Fulton	12	0.0	14,640	82.0
Greene	27	0.1	37,197	72.6
Huntingdon	60	0.1	45,634	131.5
Indiana	48	0.1	86,364	55.6
Jefferson	31	0.1	44,073	70.3
Juniata	13	0.0	24,863	52.3
Lackawanna	427	1.1	211,321	202.1
Lancaster	945	2.4	538,500	175.5

County	PLWH at year-end 2016		County population	Prevalence per 100,000 population
	Number	Percent		
Lawrence	59	0.1	87,294	67.6
Lebanon	264	0.7	138,863	190.1
Lehigh	1,195	3.0	363,147	329.1
Luzerne	533	1.3	316,383	168.5
Lycoming	317	0.8	115,248	275.1
McKean	30	0.1	41,883	71.6
Mercer	109	0.3	112,913	96.5
Mifflin	25	0.1	46,342	53.9
Monroe	424	1.1	166,098	255.3
Montgomery	1,496	3.7	821,725	182.1
Montour	30	0.1	18,343	163.6
Northampton	605	1.5	302,294	200.1
Northumberland	138	0.3	92,541	149.1
Perry	40	0.1	45,820	87.3
Philadelphia	18,915	47.2	1,567,872	1,206.4
Pike	139	0.3	55,562	250.2
Potter	6	0.0	16,885	35.5
Schuylkill	204	0.5	143,573	142.1
Snyder	25	0.1	40,468	61.8
Somerset	78	0.2	75,061	103.9
Sullivan	9	0.0	6,137	146.7
Susquehanna	37	0.1	40,862	90.5
Tioga	24	0.1	41,467	57.9
Union	191	0.5	45,565	419.2
Venango	22	0.1	52,582	41.8
Warren	29	0.1	40,025	72.5
Washington	134	0.3	207,981	64.4
Wayne	154	0.4	50,710	303.7
Westmoreland	195	0.5	355,458	54.9
Wyoming	12	0.0	27,521	43.6
York	1,024	2.6	443,744	230.8
Pennsylvania	40,085	100.0	12,784,227	313.6

Data sources: Pa. HIV surveillance

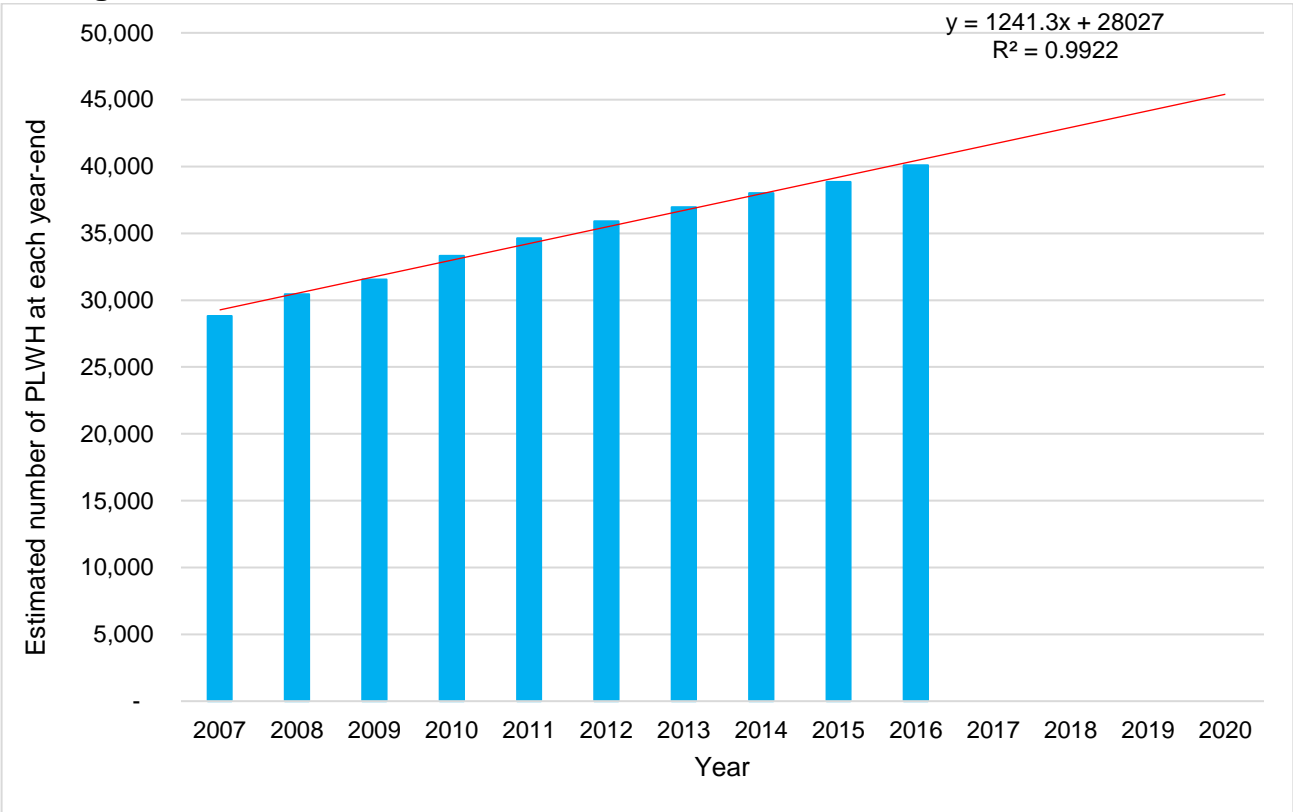
Pa. Dept. of Health Enterprise Data Dissemination Informatics exchange (EDDIE). Population by county. Accessed May15, 2018. <https://www.phaim1.health.pa.gov/EDD/WebForms/PopCntySt.aspx>

Dash (-) indicates a suppressed case count of less than or equal to 5.

Subsection VII: Trend Estimate for Number of PLWH, Diagnosed and Alive from 2007 Through 2020

The number of PLWH has increased each year on average by approximately 1,250 persons. The growth trend appears to follow a very strong linear trend. Projecting this trend out for the next four years indicates that by 2020 there will be approximately 45,000 PLWH in Pa. (Figure 5).

Figure 5: Trend Estimate for Number of PLWH and Diagnosed and Alive from 2007 Through 2020, Pa.



Data source: Pa. HIV surveillance

Section 3: HIV Testing in Pa.

HIV testing is an important step towards enhanced HIV diagnosis, treatment/linkage to care and prevention of ongoing transmission of HIV infection. The diagnosis of HIV infection is an important step of the HIV care continuum that starts with testing; therefore, information on HIV testing in the Commonwealth is presented in this profile. The data in this report were obtained from test level data reported to the National HIV Program Monitoring and Evaluation (NHM&E) system through EvaluationWeb. These data represent a portion of all testing done in the Commonwealth of Pa. for HIV, excluding in Philadelphia County. It is considered test-level data rather than client-level data because only tests were recorded, and personal identifiers were not collected. In addition, the potential for an individual testing more than once exists. With test-level data, it is difficult to deduplicate multiple HIV tests results from the same individual. Therefore, the exact number of tests performed based on each unique individual will not be provided. The Pa. Department of Health receives both Ryan White Category A and Category B funding. Category A is the core funding for HIV prevention programs for all health departments. Testing are conducted in both health care and non-health care settings. Category B funds are allocated to the expanded HIV testing program for disproportionately affected populations. Testing in category B are all conducted in Health Care settings, which include STD and correctional facilities. In this profile, data presented is for both category A and B combined. Also, testing data for Philadelphia will be presented separately.

Table 35: Category A and B: Test -Level HIV Test Events and Positive Valid Test Events in Health Care and Non-health Care Settings by Sex, Race/Ethnicity and Transmission Category in Pa., Excluding Philadelphia, 2016

Characteristics	Total number of valid HIV test events	HIV-positive valid test events	
		Number	Percent
Total	62,183	142	100
Sex			
Male	36,914	121	85.2
Female	24,980	21	14.8
Transgender	121	-	-
Unknown gender	168	-	-
Race/ethnicity			
Hispanic	5,993	24	16.9
American Indian/ Alaskan Native	72	-	-
Asian	640	-	-
Black/African American	9,828	56	39.4
Native Hawaiian/ Pacific Islander	122	-	-
White	23,909	60	42.3
Multirace	397	-	-
Unknown	21,222	-	-

Transmission category			
MSM	N/A	78	54.9
IDU	N/A	7	4.9
Heterosexual contact	N/A	32	22.5
MSM and IDU	N/A	10	7.0
Other/unknown	N/A	15	10.6

Data source: PS12-1201 data tables, Pa.: National HIV Program Monitoring and Evaluation (NHM&E), 2016

N/A: Data not available

Dash (-) indicates a suppressed case count of less than or equal to 5.

A total of 62,183 tests were considered valid (analyzable) in calendar year (CY) 2016 with known test setting (both health care and non-health care settings). Of these, 142 (0.2%) were newly diagnosed HIV-positive valid test events. Out of the newly diagnosed positive valid test events, 113 (79.6%) valid tests were linked to medical care. These are the clients who attended their first medical appointment within 90 days of test date. These valid events included both unconfirmed preliminary positive tests and confirmed positive tests. A total of 128 test events were confirmed valid. Ninety-eight of the 128 (76.6%) confirmed positives tests with identified persons were interviewed for partners' services and 96 (75%) were referred for prevention services. Table 35 provides information on the characteristics of people with valid newly diagnosed test events. Males, blacks/African Americans, white and MSM accounted for the highest percentages among the positive test events. Of the 142 valid positive tests, 121 (85.2%) were male. By race/ethnicity, 60 (42.3%) were white, 56 (39.4%) were black/African American and 24 (16.9%) were Hispanic. By mode of transmission, 78 (54.9%) were MSM, seven (4.9%) were IDU, 32 (22.5%) were through heterosexual contact, and 10 (7%) were MSM and IDU.

Table 36: Transmission Risk Category in All Testing Events in Pa., Excluding Philadelphia, 2016

Transmission category	Frequency	Percentage (%)
Heterosexual	19,108	29.9
IDU	1,564	2.4
MSM	5,884	9.2
MSM and IDU	117	0.2
Other risk category	492	0.8
Unknown risk category	36,793	57.5
Total	63,958	100

Data source: PS12-1201 data tables, Pa.: National HIV Program Monitoring and Evaluation (NHM&E), 2016

Using the HIV testing data regardless of the settings in which the test was conducted, a total of 63,958 tests with associated transmission category were documented in Pennsylvania, excluding Philadelphia, in 2016. Of these, 19,108 testing events (29.9%) were among heterosexuals, 1,564 (2.4%) were among IDU, while 5,884 (9.2%) were testing events for MSM. A total of 36,793 test events were among those with unknown risk status (Table 36). It should be noted that these tests may or may not be analyzable and should not be confused with data in table 35. The data in table 35 were analyzable with known test settings (health care and non-health care setting) in comparison to data in table 36 which accounted for all

tests without consideration for the test setting. Also, table 36 provided information on who was tested based on transmission risk category.

HIV testing data in Philadelphia

A total of 168 newly identified HIV-positive testing events occurred out of 81,993 valid tests conducted in Philadelphia in 2016. The newly identified positive testing events represented 0.2% of the total valid tests. Out of the newly diagnosed test events, 112 out of the 168 (66.7%) valid tests were linked to medical care. These are the clients who attended their first medical appointment within 90 days of the test date. These valid events included both unconfirmed preliminary positive tests and confirmed positive tests. A total of 128 test events were confirmed valid test events. Fifty-one of the 128 (39.8%) confirmed positives tests with identified persons were interviewed for partners' services, and 98 (76.6%) were referred for prevention services. Table 37 provides a summary of the breakdown of these positives by sex, race/ethnicity and transmission category.

Table 37: Category A and B: Test-level HIV Test Events and Positive Valid Test Events in Health Care and Non-health Care Settings by Sex, Race/Ethnicity and Transmission Category in Philadelphia Only, 2016

Characteristics	Total number of valid HIV test events	HIV-positive valid test events	
		Number	Percent
Total	81,993	168	100
Sex			
Male	47,978	132	78.6
Female	33,250	28	16.7
Transgender	734	8	4.8
Unknown gender	31	-	-
Race/ethnicity			
Hispanic	11,468	19	11.3
American Indian/ Alaskan Native	85	-	-
Asian	1,891	-	-
Black/African American	48,486	114	67.9
Native Hawaiian/ Pacific islander	142	-	-
White	12,128	27	16.1
Multirace	381	-	-
Unknown	7,412	6	3.6
Transmission category			
MSM	N/A	87	51.8
IDU	N/A	-	-
Heterosexual contact	N/A	32	19.0
MSM and IDU	N/A	-	-

Characteristics	Total number of valid HIV test events	HIV-positive valid test events	
		Number	Percent
Total	81,993	168	100
Other	N/A	11	6.5
Unknown	N/A	33	19.6

Data source: PS12-1201 data tables, Philadelphia National HIV Program Monitoring and Evaluation (NHM&E), 2016

N/A: Data not available

Dash (-) indicates a suppressed case count of less than or equal to 5.

Section 4: HIV and Hepatitis C

HIV and hepatitis C in Pa.

Hepatitis C is a liver disease caused by the hepatitis C virus (HCV). HIV and hepatitis C (hep C) share similar modes of transmission. An individual may get infected with hep C through contact with infected blood primarily through sharing of contaminated needles, syringes or other drug equipment/works. Infection may also occur, but less commonly, through sexual contact with an infected person or birth to an infected mother.¹⁶ These risk factors also predispose an individual to getting infected with HIV. At year-end 2016, 15,512 (25.6%) cases of HIV infection diagnosed in Pa. were through IDU. The number of HIV infection attributable to IDU have been decreasing. In 2016, only 4.9% of newly diagnosed HIV infected individuals were attributed to IDU compared to 8.3% in 2012.

HIV/hep C coinfection in Pa. (excluding Philadelphia County)

The ongoing opioid epidemic in the Commonwealth of Pa. and the United States poses a significant threat to progress made in the field of HIV in reducing new infections. Increases in prescription opioid misuse has raised growing public health concern about the possibility of an outbreak in HIV and/or hepatitis B virus (HBV) infection and hep C. There have been significant increases in the number of people infected with hep C, especially among young adults, whites and women. IDU continues to be a major transmission category for both HIV/hep C coinfection. In the Commonwealth of Pa., the number of newly diagnosed HIV infections acquired through IDU have been decreasing. The number of newly diagnosed HIV cases attributable to IDU decreased by 60% from 121 cases in 2012 to 49 cases in 2016. In 2016, 5% of all newly diagnosed HIV cases were attributed to IDU. The number of newly reported confirmed and probable hepatitis C cases have increased significantly since 2013. In the United States, about 25% of PLWH are coinfecting with HCV, and approximately 75% of PLWH who inject drugs also have HCV.² In Pa., the largest numbers of HCV cases are in Philadelphia. However, the highest rate of newly diagnosed HCV cases is in the southwestern part of the state.

At year-end 2016, a total of 20,049 cases of hep C (both confirmed and probable) was reported and 40,085 people were living with HIV. Excluding Philadelphia County, PLWH at year-end 2016 who were known to be coinfecting with hepatitis C in year 2016 amounted only to 272 cases. The hepatitis C cases counted were those reported in 2016 only (Table 38). In

2016 only, 991 newly diagnosed HIV cases were reported, of which 382 cases were diagnosed in Philadelphia County; 609 cases were newly diagnosed in the rest of the state. Of the 609 newly diagnosed HIV cases in 2016 in the rest of the state, excluding Philadelphia County, 28 (4.6%) were coinfecting with hep C. In addition, nine (32.1%) out of these 28 coinfecting cases were IDU-related and eight other cases had no risk reported (Table 39). These eight cases with no risk factor reported or identified may or may not be IDU-related, considering the fact that transmission category is mostly self-reported or inferred from medical records.

Table 38: PLWH at Year-end 2016 Who Were Coinfected With Hepatitis C in 2016 in Pa. (Excluding Philadelphia County)

Characteristics	Number	Percent
Total	272	100
Sex		
Female	65	23.9
Male	207	76.1
Race/ethnicity		
Hispanic	71	26.1
Asian	-	-
Black/African American	86	31.6
Native Hawaiian	-	-
White	95	34.9
Multiple race	18	6.6
Transmission category		
MSM	58	21.3
IDU	109	40.1
MSM and IDU	26	9.6
Heterosexual	55	20.2
All pediatric mode	-	-
Other*	22	8.1
Age group (years)		
0-12	-	-
13-14	-	-
15-24	6	2.2
25-34	23	8.5
35-44	47	17.3
45-54	88	32.4
55-64	90	33.1
65+	18	6.6

Data sources: Pa. HIV surveillance and PA-NEDSS Hepatitis surveillance

* Other transmission category included unknown risk factor, hemophilia, blood transfusion, and risk not reported, or risk not identified
Dash (-) indicates a suppressed case count of less than or equal to 5.

Note: The transmission category reported and outlined above was reported in HIV surveillance data.

Table 39: Newly Diagnosed HIV Cases in 2016 Who Were Coinfected With Hepatitis C in Pa. (excluding Philadelphia County)

Characteristics	Number	Percent
Total	28	100
Sex		
Female	-	-
Male	23	82.1
Race/ethnicity		
Hispanic, all races	6	21.4
Asian	-	-
Black/African American	7	25.0
White	14	50.0
Transmission category		
MSM	-	-
IDU	9	32.1
MSM and IDU	-	-
Heterosexual	-	-
Other*	8	28.6
Age group		
0-12	-	-
13-14	-	-
15-24	-	-
25-34	6	21.4
35-44	6	21.4
45-54	7	25.0
55-64	7	25.0
65+	-	-

Data sources: Pa. HIV surveillance data and PA-NEDSS hepatitis surveillance

* Other transmission category included unknown risk factor, hemophilia, blood transfusion, and risk not reported, or risk not identified
Dash (-) indicates a suppressed case count of less than or equal to 5.

Note: The transmission category reported and outlined above was reported in HIV surveillance data.

HIV/hepatitis C coinfection and selected characteristics in Philadelphia, 2016

The datasets used in this analysis included HIV and hepatitis data. HIV data included PLWH in Philadelphia through year 2016 (reported through June 2017). The hepatitis C dataset included both confirmed and probable cases of acute and/or chronic hepatitis C. Cases counted included those that had at the least a positive HCV antibody (Ab) at some point in their lifetime through June 2017 (Table 40). The Council of State and Territorial Epidemiologists (CSTE) case definitions for case classification of hepatitis C was also used in the case selection.

The data in table 38 reflects all PLWH at year-end 2016 who were diagnosed with hepatitis C infection in the year 2016, whereas, the data in table 40 reflects all PLWH who were diagnosed with hepatitis C at some point in their lifetime.

Table 40: All HIV/Hepatitis C Coinfection Cases Reported in Philadelphia through Year-end 2016

Characteristics	Number	Percent*
Total	3,386**	100
Sex		
Female	988	29.2
Male	2,398	70.8
Race/ethnicity		
Asian	19	0.6
Black/African American	1,951	57.6
Hispanic	719	21.2
Multiple race	100	3.0
White	594	17.5
Other/unknown	-	-
Age group (years)		
0-12	-	-
13-19	-	-
20-24	21	0.6
25-29	67	2.0
30-39	350	10.3
40-49	654	19.3
>=50	2,251	66.5
Unknown	42	1.2
Transmission category		
MSM	515	15.2
IDU	1,758	51.9
MSM and IDU	188	5.6
Heterosexual contact	852	25.2
Pediatric	11	0.3
Other	7	0.2
No risk reported	55	1.6

Data source: AIDS Activities Coordinating Office (AACO) Surveillance Report. Philadelphia Department of Public Health, AIDS Activities Coordinating Office (AACO), Philadelphia Department of Public Health, Division of Disease Control, Viral hepatitis Program. Accessed January 30, 2018. <https://www.phila.gov/health/pdfs/aaco/HIV%20Surveillance%20Report-2016web.pdf>

* Column percentages are presented in this table.

** This number includes all PLWH who were diagnosed with hep C at some point in their lifetime.

Dash (-) indicates a suppressed case count of less than or equal to 5.

Section 5: HIV Infection and County Profiles

Adams County

Table 41: Selected Socio-demographic Characteristics, Adams County, Pa.

Selected socio-demographic characteristics	Estimate	Percent
Total population	101,759	100
Sex		
Male	50,232	49.4
Female	51,527	50.6
Race/ethnicity		
Hispanic/Latino	6,721	6.6
White	91,341	89.8
Black/African American	1,376	1.4
American Indian and Alaska Native	52	0.1
Asian	669	0.7
Native Hawaiian and other Pacific Islander	0	0.0
Multiple race (two or more races)	1,554	1.5
Income and poverty		
Median household income (in 2016 dollars), 2012-2016	\$61,927	
Per capita income in past 12 months (in 2016 dollars), 2012-2016	\$28,515	
Persons in poverty		9.4

Data sources: DP05: ACS demographic and housing estimates, 2012-2016 American Community Survey five-year estimates. QuickFacts, Adams County, Pa., retrieved from <https://www.census.gov/quickfacts/table/PST045215/42003>

Newly diagnosed HIV cases and PLWH in Adams County, Pa.

In the 2012-2016 five-year American Community Survey, the population of Adams County was 101,759 (Table 41). Whites in Adams County accounted for 89.8% of the total county population, while 6.6% were Hispanic and 1.4% were black/African American. From 2012-2016, 20 cases were newly diagnosed in Adams County, with males accounting for 15 (75%) cases (Table 42). By race/ethnicity, 17 (85%) cases were whites. By mode of transmission, 8 (40%) cases were MSM. Cumulatively, 136 HIV cases were diagnosed through year-end 2016 with males accounting for 98 (72.17%) of the total cases diagnosed compared to 38 (27.9%) who were females. By race/ethnicity, 100 (73.5%) cases were whites, 16 (11.8%) cases were blacks/African Americans and 16 (11.8%) cases were Hispanics. By transmission mode, a total of 53 (39%) cases were attributable to MSM, while IDU accounted for 28 (20.6%) and heterosexual contact accounted for 30 (22.1%) cases. At year-end 2016, 98 PLWH resided in Adams County.

Table 42: The Number of Persons Diagnosed With HIV Infection by Period of Diagnosis, Sex, Race/Ethnicity, Transmission Category and Number of PLWH at Year-end 2016 in Adams County, Pa.

Characteristics	Cumulative cases through 2011	Newly diagnosed cases 2012-2016	Cumulative cases through Dec. 31, 2016		PLWH at year-end 2016	
			Number	Percent	Number	Percent
Total	116	20	136	100	98	100
Sex						
Female	33	-	38	27.9	27	27.6
Male	83	15	98	72.1	71	72.4
Race/ethnicity						
Black/African American	13	-	16	11.8	16	16.3
Hispanic, all races	16	-	16	11.8	11	11.2
Multiple race	-	-	-	-	-	-
White	83	17	100	73.5	67	68.4
Transmission category						
MSM	45	8	53	39.0	43	43.9
IDU	27	-	28	20.6	16	16.3
MSM and IDU	-	-	-	-	-	-
Heterosexual contact	25	-	30	22.1	22	22.4
All pediatric mode	-	-	-	-	-	-
Other*	16	-	21	15.4	14	14.3
Age group						
0-12	-	-	-	-	-	-
13-14	-	-	-	-	-	-
15-24	14	-	16	11.8	-	-
25-34	42	9	51	37.5	13	13.3
35-44	34	-	38	27.9	26	26.5
45-54	13	-	18	13.2	31	31.6
55-64	6	-	6	4.4	17	17.3
≥65	-	-	-	-	10	10.2

Data source: Pa. HIV surveillance

*Other transmission category included unknown risk factor, hemophilia, blood transfusion, and risk not reported, or risk not identified.

Dash (-) indicates a suppressed case count of less than or equal to 5.

Allegheny County

Table 43: Selected Socio-demographic Characteristics, Allegheny County, Pa.

Selected socio-demographic characteristics	Estimate	Percent
Total population	1,230,360	100
Sex		
Male	593,029	48.2
Female	637,331	51.8
Race/ethnicity		
Hispanic/Latino	23,255	1.9
White	976,515	79.4
Black/African American	157,794	12.8
American Indian and Alaska Native	1,161	0.1
Asian	41,568	3.4
Native Hawaiian and other Pacific Islander	236	0.0
Multiple race (two or more races)	27,817	2.3
Income and poverty		
Median household income (in 2016 dollars), 2012-2016	\$54,357	
Per capita income in past 12 months (in 2016 dollars), 2012-2016	\$33,830	
Persons in poverty		11.5

Data sources: DP05: ACS demographic and housing estimates, 2012-2016 American Community Survey five-year estimates QuickFacts, Allegheny County, Pa., retrieved from <https://www.census.gov/quickfacts/table/PST045215/42003>

Newly diagnosed HIV cases and PLWH in Allegheny County, Pa.

In the 2012-2016 five-year American Community Survey, the population of Allegheny County was 1,230,360 (Table 43). Individuals who identified as whites accounted for 79.4% of the total county population, while blacks/African Americans were 12.8%, Asians were 3.4%, and multiracial individuals were 2.3%. Allegheny County had a majority of the cases in the southwest district, accounting for 639 (77.5%) of all newly diagnosed HIV cases from 2012 to 2016 (Table 44). By sex, 115 (18%) cases were females and 524 (82%) cases were males. By race/ethnicity, 18 (2.8%) cases were Asians, 331 (51.8%) cases were blacks/African Americans, 31 (4.9%) cases were Hispanics, 231 (36.2%) cases were whites and 28 (4.4%) were of multiple race. By mode of transmission, 418 (65.4%) cases were MSM, 20 (3.1%) cases were IDU, 72 (11.3%) cases were through heterosexual contact and eight (1.3%) cases were MSM and IDU. Cumulatively, 4,863 HIV cases were diagnosed in Allegheny County through year-end 2016. Of the 4,863 cases, 4,025 (82.8%) were males and 838 (17.2%) were females. By race/ethnicity, 2,091 were blacks/African Americans, 2,390 were whites, 126 (2.6%) were Hispanics and 216 (4.4%) were of multiple race. By mode of transmission, MSM accounted for 2,897 (59.6%) of all diagnosed cases through year-end 2016, compared to 594 (12.2%) IDU cases, 742 (15.3%) heterosexual contact cases, or 221 (4.5%) MSM and IDU cases. At year-end 2016, 3,400 PLWH resided in Allegheny County.

Table 44: The Number of Persons Diagnosed With HIV Infection by Period of Diagnosis, Sex, Race/Ethnicity, Transmission Category and Number of PLWH at Year-end 2016 in Allegheny County, Pa.

Characteristics	Cumulative cases through 2011	Newly diagnosed cases 2012-2016	Cumulative cases through Dec. 31, 2016		PLWH at year-end 2016	
			Number	Percent	Number	Percent
Total	4,224	639	4,863	100	3,400	100
Sex						
Female	723	115	838	17.2	628	18.5
Male	3,501	524	4,025	82.8	2,772	81.5
Race/ethnicity						
Asian	21	18	39	0.8	26	0.8
Black/African American	1,760	331	2,091	43.0	1,436	42.2
Hispanic	95	31	126	2.6	122	3.6
Multiple race	188	28	216	4.4	182	5.4
Native Hawaiian	-	-	-	-	-	-
White	2,159	231	2,390	49.1	1,629	47.9
Transmission category						
MSM	2,479	418	2,897	59.6	2,097	61.7
IDU	574	20	594	12.2	249	7.3
MSM and IDU	213	8	221	4.5	153	4.5
Heterosexual contact	670	72	742	15.3	616	18.1
All pediatric mode	25	-	26	0.5	24	0.7
Other*	263	120	383	7.9	261	7.7
Age group						
0-12	27	-	28	0.6	-	-
13-14	7	-	7	0.1	-	-
15-24	556	162	718	14.8	137	4.0
25-34	1,485	220	1,705	35.1	544	16.0
35-44	1,309	115	1,424	29.3	562	16.5
45-54	616	91	707	14.5	1,047	30.8
55-64	178	46	224	4.6	850	25.0
≥65	46	-	50	1.0	255	7.5

Data source: Pa. HIV surveillance

*Other transmission category included unknown transmission category, hemophilia, blood transfusion, and risk not reported, or risk not identified.

Dash (-) indicates a suppressed case count of less than or equal to 5.

Armstrong County

Table 45: Selected Socio-demographic Characteristics, Armstrong County, Pa.

Selected socio-demographic characteristics	Estimate	Percent
Total population	67,512	100
Sex		
Male	33,505	49.6
Female	34,007	50.4
Race/ethnicity		
Hispanic/Latino	456	0.7
White	65,713	97.3
Black/African American	634	0.9
American Indian and Alaska Native	14	0.0
Asian	182	0.3
Native Hawaiian and other Pacific Islander	0	0.0
Multiple race (two or more races)	510	0.8
Income and poverty		
Median household income (in 2016 dollars), 2012-2016	\$45,879	
Per capita income in past 12 months (in 2016 dollars), 2012-2016	\$24,634	
Persons in poverty		13.8

Data sources: DP05: ACS demographic and housing estimates, 2012-2016 American Community Survey five-year estimates QuickFacts, Armstrong County, Pa., retrieved from <https://www.census.gov/quickfacts/table/PST045215/42005>

Newly diagnosed HIV cases and PLWH in Armstrong County, Pa.

In the 2012-2016 five-year American Community Survey, the population of Armstrong County was 67,512 (Table 45). Whites accounted for 97.3% of the total county population, while blacks/African Americans were 0.9%, Asians were 0.3%, and Hispanics were 0.7%. From 2012-2016, seven cases were newly diagnosed (Table 46). By sex, males accounted for six (85.7%) cases. By race/ethnicity, all seven cases were whites. Cumulatively, 70 HIV cases were diagnosed in Armstrong County through year-end 2016, with males accounting for 63 (90%) cases and females for seven (10%) cases. By race/ethnicity, 64 (91.4%) cases were white. By transmission mode, 37 (52.9%) cases were MSM, six (8.6%) were IDU, 10 (14.3%) were MSM and IDU, and six (8.6%) were through heterosexual contact. At year-end 2016, 46 PLWH resided in Armstrong County.

Table 46: The Number of Persons Diagnosed With HIV Infection by Period of Diagnosis, Sex, Race/Ethnicity, Transmission Category and Number of PLWH at Year-end 2016 in Armstrong County, Pa.

Characteristics	Cumulative cases through 2011	Newly diagnosed cases 2012-2016	Cumulative cases through Dec. 31, 2016		PLWH at year-end 2016	
			Number	Percent	Number	Percent
Total	63	7	70	100	46	100
Sex						
Female	6	-	7	10.0	6	13.0
Male	57	6	63	90.0	40	87.0
Race/ethnicity						
Black/African American	-	-	-	-	6	13.0
Hispanic	-	-	-	-	-	-
Multiple race	-	-	-	-	-	-
White	57	7	64	91.4	39	84.8
Transmission category						
MSM	34	-	37	52.9	25	54.3
IDU	6	-	6	8.6	-	-
MSM and IDU	8	-	10	14.3	-	-
Heterosexual contact	6	-	6	8.6	-	-
All pediatric mode	-	-	-	-	-	-
Other*	9	-	11	15.7	8	17.4
Age group						
0-12	-	-	-	-	-	-
13-14	-	-	-	-	-	-
15-24	-	-	-	-	-	-
25-34	28	-	31	44.3	-	-
35-44	20	-	22	31.4	-	-
45-54	10	-	11	15.7	19	41.3
55-64	-	-	-	-	17	37.0
≥65	-	-	-	-	5	10.9

Data source: Pa. HIV surveillance

*Other transmission category included unknown transmission category, hemophilia, blood transfusion, and risk not reported, or risk not identified.

Dash (-) indicates a suppressed case count of less than or equal to 5.

Beaver County

Table 47: Selected Socio-demographic Characteristics, Beaver County, Pa.

Selected socio-demographic characteristics	Estimate	Percent
Total population	169,205	100
Sex		
Male	82,025	48.5
Female	87,180	51.5
Race/ethnicity		
Hispanic/Latino	2,409	1.4
White	152,033	89.9
Black/African American	10,140	6.0
American Indian and Alaska Native	73	0.0
Asian	791	0.5
Native Hawaiian and other Pacific Islander	33	0.0
Multiple race (two or more races)	3,532	2.1
Income and poverty		
Median household income (in 2016 dollars), 2012-2016	\$51,887	
Per capita income in past 12 months (in 2016 dollars), 2012-2016	\$28,018	
Persons in poverty		9.7

Data sources: DP05: ACS demographic and housing estimates, 2012-2016 American Community Survey five-year estimates. QuickFacts, Beaver County, Pa., retrieved from <https://www.census.gov/quickfacts/table/PST045215/42007>

Newly diagnosed HIV cases and PLWH in Beaver County, Pa.

In the 2012-2016 five-year American Community Survey, the population of Beaver County was 169,205 (Table 47). Whites accounted for 89.9% of the total county population while blacks/African Americans were 6%, Asians were 0.5%, and Hispanics were 1.4%. From 2012-2016, 18 cases were newly diagnosed (Table 48). By sex, males accounted for 14 (77.8%) cases. By race/ethnicity, 16 (88.9%) cases were white. By mode of transmission, eight (44.4%) cases were MSM. Cumulatively, 218 HIV cases were diagnosed in Beaver County through year-end of 2016. A total of 183 (83.9%) were males compared to 35 (16.1%) females. By race/ethnicity, 162 (7.3%) cases were whites and 45 (20.6%) cases were blacks/African Americans. By transmission mode, 122 (56%) cases were MSM, 23 (10.6%) cases were IDU, 31 (14.2%) cases were through heterosexual contact, and 11 (5%) cases were MSM and IDU. At year-end 2016, 203 PLWH resided in Beaver County.

Table 48: The Number of Persons Diagnosed With HIV Infection by Period of Diagnosis, Sex, Race/Ethnicity and Transmission Category and Number of PLWH at Year-end 2016 in Beaver County, Pa.

Characteristics	Cumulative cases through 2011	Newly diagnosed cases 2012-2016	Cumulative cases through Dec. 31, 2016		PLWH at year-end 2016	
			Number	Percent	Number	Percent
Total	200	18	218	100	203	100
Sex						
Female	31	-	35	16.1	35	17.2
Male	169	14	183	83.9	168	82.8
Race/ethnicity						
Asian	-	-	-	-	-	-
Black/African American	43	-	45	20.6	67	33.0
Hispanic	-	-	-	-	8	3.9
Multiple race	9	-	9	4.1	11	5.4
White	146	16	162	74.3	116	57.1
Transmission category						
MSM	114	8	122	56.0	102	50.2
IDU	23	-	23	10.6	31	15.3
MSM and IDU	9	-	11	5.0	12	5.9
Heterosexual contact	28	-	31	14.2	35	17.2
All pediatric mode	-	-	-	-	-	-
Other*	23	-	28	12.8	21	10.3
Age group						
0-12	-	-	-	-	-	-
13-14	-	-	-	-	-	-
15-24	12	-	14	6.4	-	-
25-34	75	-	80	36.7	19	9.4
35-44	74	7	81	37.2	30	14.8
45-54	28	-	29	13.3	57	28.1
55-64	8	-	11	5.0	71	35.0
≥65	-	-	-	-	25	12.3

Data source: Pa. HIV surveillance

*Other transmission category included unknown transmission category, hemophilia, blood transfusion, and risk not reported, or risk not identified.

Dash (-) indicates a suppressed case count of less than or equal to 5.

Bedford County

Table 49: Selected Socio-demographic Characteristics, Bedford County, Pa.

Selected socio-demographic characteristics	Estimate	Percent
Total population	48,852	100
Sex		
Male	24,409	50.0
Female	24,443	50.0
Race/ethnicity		
Hispanic/Latino	545	1.1
White	47,388	97.0
Black/African American	231	0.5
American Indian and Alaska Native	86	0.2
Asian	111	0.2
Native Hawaiian and other Pacific Islander	0	0.0
Multiple race (two or more races)	465	1.0
Income and poverty		
Median household income (in 2015 dollars), 2012-2016	\$46,746	
Per capita income in past 12 months (in 2015 dollars), 2012-2016	\$23,632	
Persons in poverty		13.7

Data sources: DP05: ACS demographic and housing estimates, 2012-2016 American Community Survey five-year estimates. QuickFacts, Bedford County, Pa., retrieved from <https://www.census.gov/quickfacts/table/PST045215/42009>

Newly diagnosed HIV cases and PLWH in Bedford County, Pa.

In the 2012-2016 five-year American Community Survey, the population of Bedford County was 48,852 (Table 49). Whites accounted for 97% of the total county population while blacks/African Americans were 0.5%, Asians were 0.2%, and Hispanics were 1.1%. From 2012-2016, 12 cases were newly diagnosed (Table 50). By sex, nine (75%) cases were males. By race/ethnicity, 12 (100%) cases were whites. By mode of transmission, six (50%) cases were MSM. Cumulatively, 47 HIV cases were diagnosed in Bedford County through year-end of 2016. A total of 37 (78.7%) were males compared to 10 (21.3%) females. By race/ethnicity, 45 (95.7%) were whites. By transmission mode, 26 (55.3%) were MSM. At year-end 2016, 23 PLWH resided in Bedford County.

Table 50: The Number of Persons Diagnosed With HIV Infection by Period of Diagnosis, Sex, Race/Ethnicity, Transmission Category and Number of PLWH at Year-end 2016 in Bedford County, Pa.

Characteristics	Cumulative cases through 2011	Newly diagnosed cases 2012-2016	Cumulative cases through Dec. 31, 2016		Diagnosed and alive at year-end 2016	
			Number	Percent	Number	Percent
Total	35	12	47	100	23	100
Sex						
Female	7	-	10	21.3	-	-
Male	28	9	37	78.7	21	91.3
Race/ethnicity						
Black/African American	-	-	-	-	-	-
American Indian	-	-	-	-	-	-
White	33	12	45	95.7	22	95.7
Transmission category						
MSM	20	6	26	55.3	16	69.6
IDU	-	-	-	-	-	-
MSM and IDU	-	-	-	-	-	--
Heterosexual contact	-	-	-	-	-	-
All pediatric mode	-	-	-	-	-	-
Other*	-	-	10	21.3	-	-
Age group						
0-12	-	-	-	-	-	-
13-14	-	-	-	-	-	-
15-24	-	-	-	-	-	-
25-34	9	-	14	29.8	2	8.7
35-44	6	-	7	14.9	2	8.7
45-54	10	-	14	29.8	11	47.8
55-64	-	-	-	-	6	26.1
>=65	-	-	-	-	-	-

Data source: Pa. HIV surveillance

*Other transmission category included unknown transmission category, hemophilia, blood transfusion, and risk not reported, or risk not identified.

Dash (-) indicates a suppressed case count of less than or equal to 5.

Berks County

Table 51: Selected Socio-demographic Characteristics, Berks County, Pa.

Selected socio-demographic characteristics	Estimate	Percent
Total population	414,097	100
Sex		
Male	203,542	49.2
Female	210,555	50.8
Race/ethnicity		
Hispanic/Latino	77,946	18.8
White	306,740	74.1
Black/African American	16,919	4.1
American Indian and Alaska Native	336	0.1
Asian	5,604	1.4
Native Hawaiian and other Pacific Islander	39	0.0
Multiple race (two or more races)	5,902	1.4
Income and poverty		
Median household income (in 2015 dollars), 2012-2016	\$57,068	
Per capita income in past 12 months (in 2015 dollars), 2012-2016	\$27,844	
Persons in poverty		13.1

Data sources: DP05: ACS demographic and housing estimates, 2012-2016 American Community Survey five-year estimates. QuickFacts, Berks County, Pa., retrieved from <https://www.census.gov/quickfacts/table/PST045216/42011>

Newly diagnosed HIV cases and PLWH in Berks County, Pa.

In the 2012-2016 five-year American Community Survey, the population of Berks County was 414,097 (Table 51). Whites accounted for 74.1% of the total county population, while blacks/African Americans were 4.1%, Asians were 1.4%, multiracial individuals were 1.4% and Hispanics were 18.8%. From 2012-2016, 166 cases were newly diagnosed (Table 52). By sex, 51 (30.7%) cases were females and 115 (69.3%) cases were males. By race/ethnicity, 39 (23.5%) cases were blacks/African Americans, 65 (39.2%) cases were Hispanics, 55 (33.1%) cases were whites and six (3.6%) cases were of multiple race. By mode of transmission, 70 (42.2%) cases were MSM and 53 (31.9%) were through heterosexual contact. Cumulatively, 1,657 HIV cases were diagnosed in Berks County through year-end 2016, with males accounting for 1,135 (68.5%) of the cases compared to 522 (31.5%) females. By race/ethnicity, Hispanics accounted for 727 (43.9%) cases, whites, 551 (33.3%) cases and blacks/African American, 303 (18.3%) cases diagnosed through year-end 2016. By transmission mode, IDU accounted for 562 (33.9%) cases, MSM 418 (25.2%) cases and heterosexual contact, 359 (21.7%) cases. At year-end 2016, 1,183 PLWH resided in Berks County.

Table 52: The Number of Persons Diagnosed With HIV Infection by Period of Diagnosis, Sex, Race/Ethnicity, Transmission Category and Number of PLWH at Year-end 2016 in Berks County, Pa.

Characteristics	Cumulative cases through 2011	Newly diagnosed cases 2012-2016	Cumulative cases through Dec. 31, 2016		PLWH at year-end 2016	
			Number	Percent	Number	Percent
Total	1,491	166	1,657	100	1,183	100
Sex						
Female	471	51	522	31.5	404	34.2
Male	1,020	115	1,135	68.5	779	65.8
Race/ethnicity						
Asian	-	-	-	-	-	-
Black/African American	264	39	303	18.3	234	19.8
Hispanic	662	65	727	43.9	557	47.1
Multiple race	66	6	72	4.3	58	4.9
Native Hawaiian	-	-	-	-	-	-
White	496	55	551	33.3	333	28.1
Transmission category						
MSM	348	70	418	25.2	288	24.3
IDU	558	-	562	33.9	324	27.4
MSM and IDU	70	-	73	4.4	65	5.5
Heterosexual contact	306	53	359	21.7	333	28.1
All pediatric mode	21	-	23	1.4	26	2.2
Other*	188	34	222	13.4	147	12.4
Age group						
0-12	22	-	24	1.4	-	-
13-14	-	-	-	-	-	-
15-24	170	32	202	12.2	32	2.7
25-34	543	34	577	34.8	102	8.6
35-44	470	40	510	30.8	212	17.9
45-54	207	36	243	14.7	412	34.8
55-64	61	14	75	4.5	332	28.1
>=65	15	8	23	1.4	87	7.4

Data source: Pa. HIV surveillance

*Other transmission category included unknown transmission category, hemophilia, blood transfusion, and risk not reported, or risk not identified.

Dash (-) indicates a suppressed case count of less than or equal to 5.

Blair County

Table 53: Selected Socio-demographic Characteristics, Blair County, Pa.

Selected socio-demographic characteristics	Estimate	Percent
Total population	125,917	100
Sex		
Male	61,654	49.0
Female	64,263	51.0
Race/ethnicity		
Hispanic/Latino	1,430	1.1
White	119,652	95.0
Black/African American	1,984	1.6
American Indian and Alaska Native	15	0.0
Asian	888	0.7
Native Hawaiian and other Pacific Islander	48	0.0
Multiple race (two or more races)	1,816	1.4
Income and poverty		
Median household income (in 2016 dollars), 2012-2016	\$44,033	
Per capita income in past 12 months (in 2016 dollars), 2012-2016	\$24,466	
Persons in poverty		13.6

Data sources: DP05: ACS demographic and housing estimates, 2012-2016 American Community Survey five-year estimates. QuickFacts, Blair County, Pa., retrieved from <https://www.census.gov/quickfacts/table/PST045216/42013>

Newly diagnosed HIV cases and PLWH in Blair County, Pa.

In the 2012-2016 five-year American Community Survey, the population of Blair County was 125,917 (Table 53). Whites accounted for 95% of the total county population, while 1.6% were blacks/African Americans and 1.1% were Hispanics. From 2012-2016, 21 cases were newly diagnosed (Table 54). By sex, 18 (85.7%) cases were males. By race/ethnicity, 18 (85.7%) cases were whites. By mode of transmission, 14 (66.7%) cases were MSM. Cumulatively, 161 HIV cases were diagnosed in Blair County through year-end 2016, with males accounting for 136 (84.5%) of the cases compared to 25 (15.5%) females. By race/ethnicity, whites accounted for 137 (85.1%) diagnosed cases compared to 13 (8.1%) blacks/African Americans. By transmission mode, MSM accounted for 106 (65.8%) cases compared to 15 (9.3%) IDU cases or 16 (9.9%) heterosexual contact cases. At year-end 2016, 114 PLWH resided in Blair County.

Table 54: The Number of Persons Diagnosed With HIV Infection by Period of Diagnosis, Sex, Race/Ethnicity, Transmission Category and Number of PLWH at Year-end 2016 in Blair County, Pa.

Characteristics	Cumulative cases through 2011	Newly diagnosed cases 2012-2016	Cumulative cases through Dec. 31, 2016		PLWH at year-end 2016	
			Number	Percent	Number	Percent
Total	140	21	161	100	114	100
Sex						
Female	22	-	25	15.5	21	18.4
Male	118	18	136	84.5	93	81.6
Race/ethnicity						
Asian	-	-	-	-	-	-
Black/African American	12	-	13	8.1	13	11.4
Hispanic	7	-	8	5.0	8	7.0
Multiple race	-	-	-	-	6	5.3
White	119	18	137	85.1	86	75.4
Transmission category						
MSM	92	14	106	65.8	73	64.0
IDU	15	-	15	9.3	12	10.5
MSM and IDU	7	-	7	4.3	-	-
Heterosexual contact	14	-	16	9.9	14	12.3
All pediatric mode	-	-	-	-	-	-
Other*	10	-	15	9.3	9	7.9
Age group						
0-12	-	-	-	-	-	-
13-14	-	-	-	-	-	-
15-24	8	-	8	5.0	0	0.0
25-34	33	6	39	24.2	11	9.6
35-44	62	-	66	41.0	17	14.9
45-54	20	7	27	16.8	35	30.7
55-64	10	-	14	8.7	38	33.3
>=65	-	-	-	-	13	11.4

Data source: Pa. HIV surveillance

*Other transmission category included unknown transmission category, hemophilia, blood transfusion, and risk not reported, or risk not identified.

Dash (-) indicates a suppressed case count of less than or equal to 5.

Bradford County

Table 55: Selected Socio-demographic Characteristics, Bradford County, Pa.

Selected socio-demographic characteristics	Estimate	Percent
Total population	61,808	100
Sex		
Male	30,540	49.4
Female	31,268	50.6
Race/ethnicity		
Hispanic/Latino	883	1.4
White	59,417	96.1
Black/African American	341	0.6
American Indian and Alaska Native	56	0.1
Asian	403	0.7
Native Hawaiian and other Pacific Islander	9	0.0
Multiple race (two or more races)	681	1.1
Income and poverty		
Median household income (in 2016 dollars), 2012-2016	\$51,035	
Per capita income in past 12 months (in 2016 dollars), 2012-2016	\$26,255	
Persons in poverty		11.5

Data sources: DP05: ACS demographic and housing estimates, 2012-2016 American Community Survey five-year estimates. QuickFacts, Bradford County, Pa., retrieved from <https://www.census.gov/quickfacts/table/PST045216/42015>

Newly diagnosed HIV cases and PLWH in Bradford County, Pa.

In the 2012-2016 five-year American Community Survey, the population of Bradford County was 61,808 (Table 55). Whites accounted for 96.1% of the total county population, while blacks/African Americans were 0.6% and Hispanics were 1.4%. From 2012-2016, six cases were newly diagnosed (Table 56). By sex, five (83.3%) cases were males. Cumulatively, 71 HIV cases were diagnosed in Bradford County through year-end 2016, with males accounting for 58 (81.7%) of the cases compared to 13 (18.3%) females. By race/ethnicity, 55 (77.5%) of the diagnosed cases were whites and 10 (14.1%) were blacks/African Americans. By transmission mode, MSM accounted for 29 (40.8%) cases, IDU, seven (9.9%) cases and heterosexual contact, 15 (21.1%) cases diagnosed through year-end 2016. At year-end 2016, 51 PLWH resided in Bradford County.

Table 56: The Number of Persons Diagnosed With HIV Infection by Period of Diagnosis, Sex, Race/Ethnicity, Transmission Category and Number of PLWH at Year-end 2016 in Bradford County, Pa.

Characteristics	Cumulative cases through 2011	Newly diagnosed cases 2012-2016	Cumulative cases through Dec. 31, 2016		PLWH at year-end 2016	
			Number	Percent	Number	Percent
Total	65	6	71	100	51	100
Sex						
Female	12	-	13	18.3	10	19.6
Male	53	-	58	81.7	41	80.4
Race/ethnicity						
Black/African American	10	-	10	14.1	10	19.6
Hispanic	-	-	-	-	-	-
Multiple race	-	-	-	-	-	-
White	51	-	55	77.5	38	74.5
Transmission category						
MSM	28	-	29	40.8	22	43.1
IDU	7	-	7	9.9	-	-
MSM and IDU	-	-	-	-	-	-
Heterosexual contact	13	-	15	21.1	9	17.6
All pediatric mode	-	-	-	-	6	11.8
Other*	9	-	12	16.9	7	13.7
Age group						
0-12	-	-	-	-	-	-
13-14	-	-	-	-	-	-
15-24	-	-	8	11.3	8	15.7
25-34	23	-	24	33.8	6	11.8
35-44	19	-	20	28.2	6	11.8
45-54	8	-	9	12.7	19	37.3
55-64	-	-	-	-	10	19.6
>=65	-	-	-	-	-	-

Data source: Pa. HIV surveillance

*Other transmission category included unknown transmission category, hemophilia, blood transfusion, and risk not reported, or risk not identified.

Dash (-) indicates a suppressed case count of less than or equal to 5.

Bucks County

Table 57: Selected Socio-demographic Characteristics, Bucks County, Pa.

Selected socio-demographic characteristics	Estimate	Percent
Total population	626,220	100
Sex		
Male	307,068	49.0
Female	319,152	51.0
Race/ethnicity		
Hispanic/Latino	30,399	4.9
White	533,846	85.2
Black/African American	23,269	3.7
American Indian and Alaska Native	805	0.1
Asian	27,466	4.4
Native Hawaiian and other Pacific Islander	1	0.0
Multiple race (two or more races)	9,437	1.5
Income and poverty		
Median household income (in 2016 dollars), 2012-2016	\$79,559	
Per capita income in past 12 months (in 2016 dollars), 2012-2016	\$39,958	
Persons in poverty		6.6

Data sources: DP05: ACS demographic and housing estimates, 2012-2016 American Community Survey five-year estimates. QuickFacts, Bucks County, Pa., retrieved from <https://www.census.gov/quickfacts/table/PST045216/42017>

Newly diagnosed HIV cases and PLWH in Bucks County, Pa.

In the 2012-2016 five-year American Community Survey, the population of Bucks County was 626,220 (Table 57). Whites accounted for 85.2% of the total county population, while blacks/African Americans were 3.7% and Hispanics were 4.9%. From 2012-2016, 153 cases were newly diagnosed (Table 58). By sex, 28 (18.3%) cases were females and 125 (81.7%) cases were males. By race/ethnicity, 37 (24.2%) cases were blacks/African Americans, 11 (7.2%) cases were Hispanics, 95 (62.1%) cases were whites and six (3.9%) cases were of multiple race. By mode of transmission, 84 (54.9%) cases were MSM, 14 (9.2%) cases were IDU and 43 (28.1%) cases were through heterosexual contact. Cumulatively, 1,386 HIV cases were diagnosed in Bucks County through year-end 2016, with males accounting for 1,155 (83.3%) of the cases compared to 231 (16.7%) females. By race/ethnicity, 964 (69.6%) cases were whites, 232 (16.7%) were blacks/African Americans, 112 (8.1%) were Hispanics and 13 (0.9%) were Asians. By mode of transmission, MSM accounted for 747 (53.9%) cases, IDU, 187 (13.5%) cases and heterosexual contact, 259 (18.7%) cases diagnosed through year-end of 2016. At year-end 2016, 1,018 PLWH resided in Bucks County.

Table 58: The Number of Persons Diagnosed With HIV Infection by Period of Diagnosis, Sex, Race/Ethnicity, Transmission Category and Number of PLWH at Year-end 2016 in Bucks County, Pa.

Characteristics	Cumulative cases through 2011	Newly diagnosed cases 2012-2016	Cumulative cases through Dec. 31, 2016		PLWH at year-end 2016	
			Number	Percent	Number	Percent
Total	1,233	153	1,386	100	1,018	100
Sex						
Female	203	28	231	16.7	205	20.1
Male	1,030	125	1,155	83.3	813	79.9
Race/ethnicity						
Asian	10	-	13	0.9	-	-
Black/African American	195	37	232	16.7	236	23.2
Hispanic	101	11	112	8.1	107	10.5
Multiple race	56	6	62	4.5	52	5.1
American Indian	-	-	-	-	-	-
White	869	95	964	69.6	616	60.5
Transmission category						
MSM	663	84	747	53.9	512	50.3
IDU	173	14	187	13.5	113	11.1
MSM and IDU	70	-	73	5.3	68	6.7
Heterosexual contact	216	43	259	18.7	241	23.7
All pediatric mode	10	-	11	0.8	16	1.6
Other*	101	8	109	7.9	68	6.7
Age group						
0-12	10	-	11	0.8	8	0.8
13-14	-	-	-	-	-	-
15-24	114	22	136	9.8	21	2.1
25-34	380	42	422	30.4	98	9.6
35-44	428	20	448	32.3	141	13.9
45-54	214	44	258	18.6	357	35.1
55-64	74	22	96	6.9	283	27.8
>=65	13	-	15	1.1	109	10.7

Data source: Pa. HIV surveillance

*Other transmission category included unknown transmission category, hemophilia, blood transfusion, and risk not reported, or risk not identified.

Dash (-) indicates a suppressed case count of less than or equal to 5.

Butler County

Table 59: Selected Socio-demographic Characteristics, Butler County, Pa.

Selected socio-demographic characteristics	Estimate	Percent
Total population	185,974	100
Sex		
Male	91,929	49.4
Female	94,045	50.6
Race/ethnicity		
Hispanic/Latino	2,440	1.3
White	177,021	95.2
Black/African American	1,953	1.1
American Indian and Alaska Native	137	0.1
Asian	1,908	1.0
Native Hawaiian and other Pacific Islander	46	0.0
Multiple race (two or more races)	2,279	1.2
Income and poverty		
Median household income (in 2016 dollars), 2012-2016	\$63,345	
Per capita income in past 12 months (in 2016 dollars), 2012-2016	\$33,406	
Persons in poverty		7.3

Data sources: DP05: ACS demographic and housing estimates, 2012-2016 American Community Survey five-year estimates. QuickFacts, Butler County, Pa., retrieved from <https://www.census.gov/quickfacts/table/PST045216/42019>

Newly diagnosed HIV cases and PLWH in Butler County, Pa.

In the 2012-2016 five-year American Community Survey, the population of Butler County was 185,974 (Table 59). Whites accounted for 95.2% of the total county population, while blacks/African Americans were 1.1% and Hispanics were 1.3%. From 2012-2016, 20 cases were newly diagnosed (Table 60). By sex, 18 (90%) cases were males. By race/ethnicity, 16 (80%) cases were whites. By mode of transmission, 13 (65%) cases were MSM. Cumulatively, 133 HIV cases were diagnosed in Butler County through year-end 2016, with males accounting for 114 (85.7%) cases compared to 19 (14.3%) females. By race/ethnicity, 113 (85%) were white and 12 (9%) were black/African American. By mode of transmission, MSM accounted for 78 (58.6%) cases, IDU and heterosexual contact each accounted for 17(12.8%) cases. At year-end 2016, 105 PLWH resided in Butler County.

Table 60: The Number of Persons Diagnosed With HIV Infection by Period of Diagnosis, Sex, Race/Ethnicity, Transmission Category and Number of PLWH at Year-end 2016 in Butler County, Pa.

Characteristics	Cumulative cases through 2011	Newly diagnosed cases 2012-2016	Cumulative cases through Dec. 31, 2016		PLWH at year-end 2016	
			Number	Percent	Number	Percent
Total	113	20	133	100	105	100
Sex						
Female	17	-	19	14.3	16	15.2
Male	96	18	114	85.7	89	84.8
Race/ethnicity						
Black/African American	11	-	12	9.0	13	12.4
Hispanic	-	-	7	5.3	9	8.6
Multiple race	-	-	-	-	-	-
White	97	16	113	85.0	78	74.3
Transmission category						
MSM	65	13	78	58.6	65	61.9
IDU	15	-	17	12.8	9	8.6
MSM and IDU	-	-	-	-	-	-
Heterosexual contact	15	-	17	12.8	20	19.0
All pediatric mode	-	-	-	-	-	-
Other*	15	-	17	12.8	8	7.6
Age group						
0-12	-	-	-	-	-	-
13-14	-	-	-	-	-	-
15-24	7	-	10	7.5	-	-
25-34	30	6	36	27.1	15	14.3
35-44	45	-	49	36.8	16	15.2
45-54	19	-	23	17.3	33	31.4
55-64	10	-	12	9.0	29	27.6
>=65	-	-	-	-	10	9.5

Data source: Pa. HIV surveillance

*Other transmission category included unknown transmission category, hemophilia, blood transfusion, and risk not reported, or risk not identified.

Dash (-) indicates a suppressed case count of less than or equal to 5.

Cambria County

Table 61: Selected Socio-demographic Characteristics, Cambria County, Pa.

Selected socio-demographic characteristics	Estimate	Percent
Total population	137,762	100
Sex		
Male	67,867	49.3
Female	69,895	50.7
Race/ethnicity		
Hispanic/Latino	2,102	1.5
White	128,193	93.1
Black/African American	4,380	3.2
American Indian and Alaska Native	69	0.1
Asian	647	0.5
Native Hawaiian and other Pacific Islander	58	0.0
Multiple race (two or more races)	2,173	1.6
Income and poverty		
Median household income (in 2016 dollars), 2012-2016	\$42,917	
Per capita income in past 12 months (in 2016 dollars), 2012-2016	\$23,993	
Persons in poverty		15.6

Data sources: DP05: ACS demographic and housing estimates, 2012-2016 American Community Survey five-year estimates. QuickFacts, Cambria County, Pa., retrieved from <https://www.census.gov/quickfacts/table/PST045216/42021>

Newly diagnosed HIV cases and PLWH in Cambria County, Pa.

In the 2012-2016 five-year American Community Survey, the population of Cambria County was 137,762 (Table 61). Whites accounted for 93.1% of the total county population, while blacks/African Americans were 3.2% and Hispanics were 1.5%. From 2012-2016, 29 cases were newly diagnosed (Table 62). By sex, 24 (82.8%) cases were males. By race/ethnicity, 13 (44.8%) cases were blacks/African Americans and 14 (48.3%) cases were whites. By mode of transmission, 11 (37.9%) cases were MSM. Cumulatively, 225 HIV cases were diagnosed in Cambria County through year-end 2016, with males accounting for 180 (80%) cases compared to 45 (20%) females. By race/ethnicity, 129 (57.3%) cases were whites, 69 (30.7%) cases were blacks/African Americans, 20 (8.9%) cases were Hispanics and seven (3.1%) cases were of multiple race. By mode of transmission, MSM accounted for 92 (40.9%) cases, while IDU accounted for 52 (23.1%) cases and heterosexual contact, 25 (11.1%) cases diagnosed through year-end 2016. At year-end 2016, 177 PLWH resided in Cambria County.

Table 62: The Number of Persons Diagnosed With HIV Infection by Period of Diagnosis, Sex, Race/Ethnicity, Transmission Category and Number of PLWH at Year-end 2016 in Cambria County, Pa.

Characteristics	Cumulative cases through 2011	Newly diagnosed cases 2012-2016	Cumulative cases through Dec. 31, 2016		PLWH at year-end 2016	
			Number	Percent	Number	Percent
Total	196	29	225	100	177	100
Sex						
Female	40	-	45	20.0	26	14.7
Male	156	24	180	80.0	151	85.3
Race/ethnicity						
Black/African American	56	13	69	30.7	54	30.5
Hispanic	19	-	20	8.9	13	7.3
Multiple race	6	-	7	3.1	7	4.0
White	115	14	129	57.3	103	58.2
Transmission category						
MSM	81	11	92	40.9	81	45.8
IDU	51	-	52	23.1	23	13.0
MSM and IDU	12	-	13	5.8	19	10.7
Heterosexual contact	20	-	25	11.1	25	14.1
All pediatric mode	-	-	-	-	-	-
Other*	31	11	42	18.7	29	16.4
Age group						
0-12	-	-	-	-	-	-
13-14	-	-	-	-	-	-
15-24	14	-	19	8.4	6	3.4
25-34	61	8	69	30.7	21	11.9
35-44	73	6	79	35.1	30	16.9
45-54	28	8	36	16.0	60	33.9
55-64	15	-	17	7.6	46	26.0
>=65	-	-	-	-	14	7.9

Data source: Pa. HIV surveillance

*Other transmission category included unknown transmission category, hemophilia, blood transfusion, and risk not reported, or risk not identified.

Dash (-) indicates a suppressed case count of less than or equal to 5.

Cameron County

No data will be presented for Cameron County. As at year-end 2016, no HIV case have been diagnosed in Cameron County.

Carbon County

Table 63: Selected Socio-demographic Characteristics, Carbon County, Pa.

Selected socio-demographic characteristics	Estimate	Percent
Total population	64,330	100
Sex		
Male	31,944	49.7
Female	32,386	50.3
Race/ethnicity		
Hispanic/Latino	2,616	4.1
White	59,621	92.7
Black/African American	1,029	1.6
American Indian and Alaska Native	88	0.1
Asian	301	0.5
Native Hawaiian and other Pacific Islander	0	0.0
Multiple race (two or more races)	634	1.0
Income and poverty		
Median household income (in 2016 dollars), 2012-2016	\$50,822	
Per capita income in past 12 months (in 2016 dollars), 2012-2016	\$25,743	
Persons in poverty		13.1

Data sources: DP05: ACS demographic and housing estimates, 2012-2016 American Community Survey five-year estimates. QuickFacts, carbon County, Pa., retrieved from <https://www.census.gov/quickfacts/table/PST045216/42025>

Newly diagnosed HIV cases and PLWH in Carbon County, Pa.

In the 2012-2016 five-year American Community Survey, the population of Carbon County was 64,330 (Table 63). Whites accounted for 92.7% of the total county population, while blacks/African Americans were 1.6% and Hispanics were 4.1%. From 2012-2016, 22 cases were newly diagnosed (Table 64). By sex, 18 (81.8%) cases were males. By race/ethnicity, 9 (40.9%) cases were Hispanics and 10 (45.5%) cases were whites. By mode of transmission, seven (31.8%) cases were MSM and seven (31.8%) cases were through heterosexual contact. Cumulatively, 128 HIV cases were diagnosed in Carbon County through year-end 2016, with males accounting for 90 (70.3%) cases compared to 38 (29.7%) females. By race/ethnicity, whites accounted for 82 (64.1) cases, while blacks/African Americans were 12 (9.4%) cases and Hispanics were 33 (25.8%) cases. By transmission mode, heterosexual contact accounted for 46 (35.9%) cases compared to 36 (28.1%) MSM cases, 23 (18%) IDU cases, or seven (5.5%) MSM and IDU cases diagnosed through year-end 2016. At year-end 2016, 73 PLWH resided in Carbon County.

Table 64: The Number of Persons Diagnosed With HIV Infection by Period of Diagnosis, Sex, Race/Ethnicity, Transmission Category and Number of PLWH at Year-end 2016 in Carbon County, Pa.

Characteristics	Cumulative cases through 2011	Newly diagnosed cases 2012-2016	Cumulative cases through Dec. 31, 2016		PLWH at year-end 2016	
			Number	Percent	Number	Percent
Total	106	22	128	100	73	100
Sex						
Female	34	-	38	29.7	23	31.5
Male	72	18	90	70.3	50	68.5
Race/ethnicity						
Black/African American	9	-	12	9.4	8	11.0
Hispanic	24	9	33	25.8	8	11.0
Multiple race	-	-	-	-	-	-
White	72	10	82	64.1	54	74.0
Transmission category						
MSM	29	7	36	28.1	31	42.5
IDU	20	-	23	18.0	12	16.4
MSM and IDU	6	-	7	5.5	-	-
Heterosexual contact	39	7	46	35.9	26	35.6
All pediatric mode	-	-	-	-	-	-
Other*	9	-	13	10.2	-	-
Age group						
0-12	-	-	-	-	-	-
13-14	-	-	-	-	-	-
15-24	8	-	10	7.8	-	-
25-34	29	-	31	24.2	6	8.2
35-44	36	7	43	33.6	11	15.1
45-54	17	7	24	18.8	30	41.1
55-64	12	-	14	10.9	14	19.2
>=65	-	-	-	-	12	16.4

Data source: Pa. HIV surveillance

*Other transmission category included unknown transmission category, hemophilia, blood transfusion, and risk not reported, or risk not identified.

Dash (-) indicates a suppressed case count of less than or equal to 5.

Centre County

Table 65: Selected Socio-demographic Characteristics, Centre County, Pa.

Selected socio-demographic characteristics	Estimate	Percent
Total population	159,178	100
Sex		
Male	83,558	52.5
Female	75,620	47.5
Race/ethnicity		
Hispanic/Latino	4,390	2.8
White	137,126	86.1
Black/African American	5,526	3.5
American Indian and Alaska Native	245	0.2
Asian	9,187	5.8
Native Hawaiian and other Pacific Islander	70	0.0
Multiple race (two or more races)	2,344	1.5
Income and poverty		
Median household income (in 2016 dollars), 2012-2016	\$54,407	
Per capita income in past 12 months (in 2016 dollars), 2012-2016	\$27,584	
Persons in poverty		17.0

Data sources: DP05: ACS demographic and housing estimates, 2012-2016 American Community Survey five-year estimates. QuickFacts, Centre County, Pa., retrieved from <https://www.census.gov/quickfacts/table/PST045216/42027>

Newly diagnosed HIV cases and PLWH in Centre County, Pa.

In the 2012-2016 five-year American Community Survey, the population of Centre County was 159,178 (Table 65). Whites accounted for 86.1% of the total county population, while blacks/African Americans were 3.5% and Hispanics were 2.8%. From 2012-2016, 41 cases were newly diagnosed (Table 66). By sex, 37 (90.2%) cases were males. By race/ethnicity, 18 (43.9%) cases were blacks/African Americans and 16 (39%) cases were whites. By mode of transmission, 14 (34.1%) cases were MSM and nine (22%) cases were through heterosexual contact. Cumulatively, 256 HIV cases were diagnosed in Centre County through year-end 2016, with males accounting for 231 (90.2%) of the cases compared to 25 (9.8%) females. By race/ethnicity, 120 (46.9%) cases were whites, 84 (32.8%) cases were blacks/African Americans, 35 (13.7%) cases were Hispanics, seven (2.7%) cases were Asians and 10 (3.9%) cases were of multiple race. By transmission mode, MSM accounted for 101 (39.5%) cases, while IDU tallied 55 (21.5%) cases, MSM and IDU tallied 26 (10.2%) cases and heterosexual contact tallied 48 (18.8%) cases through year-end 2016. At year-end 2016, 163 PLWH resided in Centre County.

Table 66: The Number of Persons Diagnosed With HIV Infection by Period of Diagnosis, Sex, Race/Ethnicity, Transmission Category and Number of PLWH at Year-end 2016 in Centre County, Pa.

Characteristics	Cumulative cases through 2011	Newly diagnosed cases 2012-2016	Cumulative cases through Dec. 31, 2016		PLWH at year-end 2016	
			Number	Percent	Number	Percent
Total	215	41	256	100	163	100
Sex						
Female	21	-	25	9.8	20	12.3
Male	194	37	231	90.2	143	87.7
Race/ethnicity						
Asian	-	-	7	2.7	6	3.7
Black/African American	66	18	84	32.8	42	25.8
Hispanic	31	-	35	13.7	23	14.1
Multiple race	9	-	10	3.9	6	3.7
White	104	16	120	46.9	86	52.8
Transmission category						
MSM	87	14	101	39.5	77	47.2
IDU	51	-	55	21.5	18	11.0
MSM and IDU	22	-	26	10.2	9	5.5
Heterosexual contact	39	9	48	18.8	37	22.7
All pediatric mode	-	-	-	-	-	-
Other*	14	8	22	8.6	21	12.9
Age group						
0-12	-	-	-	-	-	-
13-14	-	-	-	-	-	-
15-24	31	7	38	14.8	7	4.3
25-34	65	13	78	30.5	16	9.8
35-44	73	9	82	32.0	30	18.4
45-54	30	10	40	15.6	69	42.3
55-64	12	-	12	4.7	28	17.2
>=65	-	-	-	-	11	6.7

Data source: Pa. HIV surveillance

*Other transmission category included unknown transmission category, hemophilia, blood transfusion, and risk not reported, or risk not identified.

Dash (-) indicates a suppressed case count of less than or equal to 5.

Chester County

Table 67: Selected Socio-demographic Characteristics, Chester County, Pa.

Selected socio-demographic characteristics	Estimate	Percent
Total population	512,028	100
Sex		
Male	252,007	49.2
Female	260,021	50.8
Race/ethnicity		
Hispanic/Latino	36,161	7.1
White	412,876	80.6
Black/African American	29,039	5.7
American Indian and Alaska Native	444	0.1
Asian	23,694	4.6
Native Hawaiian and other Pacific Islander	123	0.0
Multiple race (two or more races)	9,235	1.8
Income and poverty		
Median household income (in 2016 dollars), 2012-2016	\$88,995	
Per capita income in past 12 months (in 2016 dollars), 2012-2016	\$44,299	
Persons in poverty		7.0

Data sources: DP05: ACS demographic and housing estimates, 2012-2016 American Community Survey five-year estimates. QuickFacts, Chester County, Pa., retrieved from <https://www.census.gov/quickfacts/table/PST045216/42029>

Newly diagnosed HIV cases and PLWH in Chester County, Pa.

In the 2012-2016 five-year American Community Survey, the population of Chester County was 512,028 (Table 67). Whites accounted for 80.6% of the total county population, while blacks/African Americans were 5.7%, Asians were 4.6% and Hispanics were 7.1%. From 2012-2016, 106 cases were newly diagnosed (Table 68). By sex, 22 (20.8%) cases were females and 84 (79.2%) cases were males. By race/ethnicity, 29 (27.4%) cases were blacks/African Americans, 21 (19.8%) cases were Hispanics and 52 (49.1%) cases were whites. By mode of transmission, 51 (48.1%) cases were MSM, 39 (36.8%) cases were through heterosexual contact and six (5.7%) cases were IDU-related. Cumulatively, 1,013 HIV cases were diagnosed in Chester County through year-end 2016, with males accounting for 779 (76.9%) cases and females 234 (23.1%) cases. By race/ethnicity, whites accounted for 462 (45.6%) cases, while blacks/African Americans were 386 (38.1%) cases, Hispanics were 111 (11%) cases and Asians were 8 (0.8%) cases. By transmission mode, MSM accounted for 365 (36%) cases, while IDU accounted for 284 (28%) cases, heterosexual contact, 221 (21.8%) cases and MSM and IDU, 57 (5.6%) cases diagnosed through year-end 2016. At year-end 2016, 704 PLWH resided in Chester County.

Table 68: The Number of Persons Diagnosed With HIV Infection by Period of Diagnosis, Sex, Race/Ethnicity, Transmission Category and Number of PLWH at Year-end 2016 in Chester County, Pa.

Characteristics	Cumulative cases through 2011	Newly diagnosed cases 2012-2016	Cumulative cases through Dec. 31, 2016		PLWH at year-end 2016	
			Number	Percent	Number	Percent
Total	907	106	1,013	100	704	100
Sex						
Female	212	22	234	23.1	167	23.7
Male	695	84	779	76.9	537	76.3
Race/ethnicity						
Asian	-	-	8	0.8	9	1.3
Black/African American	357	29	386	38.1	262	37.2
Hispanic	90	21	111	11.0	75	10.7
Multiple race	45	-	46	4.5	48	6.8
White	410	52	462	45.6	310	44.0
Transmission category						
MSM	314	51	365	36.0	284	40.3
IDU	278	6	284	28.0	147	20.9
MSM and IDU	54	-	57	5.6	41	5.8
Heterosexual contact	182	39	221	21.8	182	25.9
All pediatric mode	12	-	14	1.4	11	1.6
Other*	67	-	72	7.1	39	5.5
Age group						
0-12	12	-	14	1.4	8	1.1
13-14	-	-	-	-	-	-
15-24	67	17	84	8.3	14	2.0
25-34	259	25	284	28.0	66	9.4
35-44	322	24	346	34.2	82	11.6
45-54	174	25	199	19.6	223	31.7
55-64	60	12	72	7.1	225	32.0
>=65	13	-	14	1.4	86	12.2

Data source: Pa. HIV surveillance

*Other transmission category included unknown transmission category, hemophilia, blood transfusion, and risk not reported, or risk not identified.

Dash (-) indicates a suppressed case count of less than or equal to 5.

Clarion County

Table 69: Selected Socio-demographic Characteristics, Clarion County, Pa.

Selected socio-demographic characteristics	Estimate	Percent
Total population	38,939	100
Sex		
Male	18,983	48.8
Female	19,956	51.2
Race/ethnicity		
Hispanic/Latino	301	0.8
White	37,514	96.3
Black/African American	417	1.1
American Indian and Alaska Native	52	0.1
Asian	239	0.6
Native Hawaiian and other Pacific Islander	9	0.0
Multiple race (two or more races)	346	0.9
Income and poverty		
Median household income (in 2016 dollars), 2012-2016	\$42,890	
Per capita income in past 12 months (in 2016 dollars), 2012-2016	\$22,451	
Persons in poverty		15.2

Data sources: DP05: ACS demographic and housing estimates, 2012-2016 American Community Survey five-year estimates. QuickFacts, Clarion County, Pa., retrieved from <https://www.census.gov/quickfacts/table/PST045216/42031>

Newly diagnosed HIV cases and PLWH in Clarion County, Pa.

In the 2012-2016 five-year American Community Survey, the population of Clarion County was 38,939 (Table 69). Whites accounted for 96.3% of the total county population, while blacks/African Americans were 1.1% and Hispanics were 0.8%. From 2012-2016, less than five cases were newly diagnosed (Table 70). Cumulatively, 28 HIV cases were diagnosed in Clarion County through year-end 2016, with males accounting for 27 (96.4%) of the cases. By race/ethnicity, whites accounted for 20 (71.4%) cases. By mode of transmission, MSM accounted for 15 (53.6%) cases, while IDU and MSM/IDU accounted for 8 (28.6%) combined cases. At year-end 2016, 72 PLWH resided in Clarion County.

Table 70: The Number of Persons Diagnosed With HIV Infection by Period of Diagnosis, Sex, Race/Ethnicity, Transmission Category and Number of PLWH at Year-end 2016 in Clarion County, Pa.

Characteristics	Cumulative cases through 2011	Newly diagnosed cases 2012-2016	Cumulative cases through Dec. 31, 2016		PLWH at year-end 2016	
			Number	Percent	Number	Percent
Total	25	-	28	100	72	100
Sex						
Female	-	-	-	-	16	22.2
Male	24	-	27	96.4	56	77.8
Race/ethnicity						
Asian	-	-	-	-	-	-
Black/African American	-	-	-	-	17	23.6
Hispanic	-	-	-	-	10	13.9
Multiple race	-	-	-	-	-	-
American Indian	-	-	-	-	-	-
White	19	-	20	71.4	42	58.3
Transmission category						
MSM	14	-	15	53.6	36	50.0
IDU	-	-	-	-	8	11.1
MSM and IDU	-	-	-	-	6	8.3
Heterosexual contact	-	-	-	-	15	20.8
All pediatric mode	-	-	-	-	7	9.7
Other*	-	-	-	-	-	-
Age group						
0-12	-	-	-	-	-	-
13-14	-	-	-	-	-	-
15-24	-	-	-	-	-	-
25-34	10	-	11	39.3	-	-
35-44	7	-	8	28.6	21	29.2
45-54	-	-	-	-	23	31.9
55-64	-	-	-	-	18	25.0
>=65	-	-	-	-	-	-

Data source: Pa. HIV surveillance

*Other transmission category included unknown transmission category, hemophilia, blood transfusion, and risk not reported, or risk not identified.

Dash (-) indicates a suppressed case count of less than or equal to 5.

Clearfield County

Table 71: Selected Socio-demographic Characteristics, Clearfield County, Pa.

Selected socio-demographic characteristics	Estimate	Percent
Total population	81,170	100
Sex		
Male	42,256	52.1
Female	38,914	47.9
Race/ethnicity		
Hispanic/Latino	2,309	2.8
White	75,736	93.3
Black/African American	1,847	2.3
American Indian and Alaska Native	117	0.1
Asian	429	0.5
Native Hawaiian and other Pacific Islander	0	0.0
Multiple race (two or more races)	725	0.9
Income and poverty		
Median household income (in 2016 dollars), 2012-2016	\$43,361	
Per capita income in past 12 months (in 2016 dollars), 2012-2016	\$21,650	
Persons in poverty		14.1

Data sources: DP05: ACS demographic and housing estimates, 2012-2016 American Community Survey 5-year estimates. QuickFacts, Clearfield County, Pa., retrieved from <https://www.census.gov/quickfacts/table/PST045216/42033>

Newly diagnosed HIV cases and PLWH in Clearfield County, Pa.

In the 2012-2016 five-year American Community Survey, the population of Clearfield County was 81,170 (Table 71). Whites accounted for 93.3% of the total county population, while blacks/African Americans were 2.3% and Hispanics were 2.8%. From 2012-2016, 12 cases were newly diagnosed (Table 72). By sex, 11 (91.7%) cases were males. By mode of transmission, seven (58.3%) cases were MSM. Cumulatively, 108 HIV cases were diagnosed in Clearfield County through year-end 2016, with males accounting for 98 (90.7%) cases and females 10 (9.3%) cases. By race/ethnicity, 52 (48.1%) cases were whites, 32 (29.6%) cases were blacks/African Americans and 19 (17.6%) cases were Hispanics. By transmission mode, IDU accounted for 34 (31.5%) cases, MSM for 25 (23.1%) cases, heterosexual contact for 21 (19.4%) cases and MSM and IDU for 11 (10.2%) cases diagnosed through year-end 2016. At year-end 2016, 125 PLWH resided in Clearfield County.

Table 72: The Number of Persons Diagnosed With HIV Infection by Period of Diagnosis, Sex, Race/Ethnicity, Transmission Category and Number of PLWH at Year-end 2016 in Clearfield County, Pa.

Characteristics	Cumulative cases through 2011	Newly diagnosed cases 2012-2016	Cumulative cases through Dec. 31, 2016		PLWH at year-end 2016	
			Number	Percent	Number	Percent
Total	96	12	108	100	125	100
Sex						
Female	9	-	10	9.3	9	7.2
Male	87	11	98	90.7	116	92.8
Race/ethnicity						
Asian	-	-	-	-	-	-
Black/African American	30	-	32	29.6	34	27.2
Hispanic	14	-	19	17.6	42	33.6
Multiple race	-	-	-	-	-	-
White	47	-	52	48.1	45	36.0
Transmission category						
MSM	18	7	25	23.1	26	20.8
IDU	33	-	34	31.5	43	34.4
MSM and IDU	11	-	11	10.2	9	7.2
Heterosexual contact	18	-	21	19.4	35	28.0
All pediatric mode	-	-	-	-	-	-
Other*	12	-	13	12.0	12	9.6
Age group						
0-12	-	-	-	-	-	-
13-14	-	-	-	-	-	-
15-24	9	-	11	10.2	-	-
25-34	25	-	26	24.1	13	10.4
35-44	35	7	42	38.9	29	23.2
45-54	13	-	14	13.0	50	40.0
55-64	9	-	10	9.3	25	20.0
>=65	-	-	-	-	6	4.8

Data source: Pa. HIV surveillance

*Other transmission category included unknown transmission category, hemophilia, blood transfusion, and risk not reported, or risk not identified.

Dash (-) indicates a suppressed case count of less than or equal to 5.

Clinton County

Table 73: Selected Socio-demographic Characteristics, Clinton County, Pa.

Selected socio-demographic characteristics	Estimate	Percent
Total population	39,536	100
Sex		
Male	19,383	49.0
Female	20,153	51.0
Race/ethnicity		
Hispanic/Latino	537	1.4
White	37,712	95.4
Black/African American	607	1.5
American Indian and Alaska Native	25	0.1
Asian	241	0.6
Native Hawaiian and other Pacific Islander	11	0.0
Multiple race (two or more races)	403	1.0
Income and poverty		
Median household income (in 2016 dollars), 2012-2016	\$47,163	
Per capita income in past 12 months (in 2016 dollars), 2012-2016	\$22,084	
Persons in poverty		17.8

Data sources: DP05: ACS demographic and housing estimates, 2012-2016 American Community Survey 5-year estimates. QuickFacts, Clinton County, Pa., retrieved from <https://www.census.gov/quickfacts/table/PST045216/42035>

Newly diagnosed HIV cases and PLWH in Clinton County, Pa.

In the 2012-2016 five-year American Community Survey, the population of Clinton County was 39,536 (Table 73). Whites accounted for 95.4% of the total county population, while blacks/African Americans were 1.5% and Hispanics 1.4% of the total county population. From 2012-2016, only five cases were newly diagnosed (Table 74). Cumulatively, 24 HIV cases were diagnosed in Clinton County through year-end 2016, with males accounting for 19 (79.2%) of the cases. By race/ethnicity, 19 (79.2%) of the diagnosed cases were whites. By transmission mode, MSM accounted for 12 (50%) cases diagnosed through year-end 2016. At year-end 2016, 23 PLWH resided in Clinton County.

Table 74: The Number of Persons Diagnosed With HIV Infection by Period of Diagnosis, Sex, Race/Ethnicity, Transmission Category and Number of PLWH at Year-end 2016 in Clinton County, Pa.

Characteristics	Cumulative cases through 2011	Newly diagnosed cases 2012-2016	Cumulative cases through Dec. 31, 2016		PLWH at year-end 2016	
			Number	Percent	Number	Percent
Total	19	5	24	100	23	100
Sex						
Female	-	-	-	-	-	-
Male	14	-	19	79.2	19	82.6
Race/ethnicity						
Asian	-	-	-	-	-	-
Black/African American	-	-	-	-	-	-
Hispanic	-	-	-	-	-	-
Multiple race	-	-	-	-	-	-
White	16	3	19	79.2	15	65.2
Transmission category						
MSM	8	-	12	50.0	11	47.8
IDU	-	-	-	-	-	-
MSM and IDU	-	-	-	-	-	-
Heterosexual contact	-	-	-	-	6	26.1
All pediatric mode	-	-	-	-	-	-
Other*	-	-	-	-	-	-
Age group						
0-12	-	-	-	-	-	-
13-14	-	-	-	-	-	-
15-24	-	-	-	-	-	-
25-34	9	-	10	41.7	-	-
35-44	7	-	8	33.3	8	34.8
45-54	-	-	-	-	-	-
55-64	-	-	-	-	-	-
>=65	-	-	-	-	-	-

Data source: Pa. HIV surveillance

*Other transmission category included unknown transmission category, hemophilia, blood transfusion, and risk not reported, or risk not identified.

Dash (-) indicates a suppressed case count of less than or equal to 5.

Columbia County

Table 75: Selected Socio-demographic Characteristics, Columbia County, Pa.

Selected socio-demographic characteristics	Estimate	Percent
Total population	66,772	100
Sex		
Male	32,139	48.1
Female	34,633	51.9
Race/ethnicity		
Hispanic/Latino	1,644	2.5
White	63,863	95.4
Black/African American	1,256	1.9
American Indian and Alaska Native	103	0.2
Asian	794	1.2
Native Hawaiian and other Pacific Islander	12	0.0
Multiple race (two or more races)	562	0.8
Income and poverty		
Median household income (in 2016 dollars), 2012-2016	\$45,374	
Per capita income in past 12 months (in 2016 dollars), 2012-2016	\$23,580	
Persons in poverty		15.0

Data sources: DP05: ACS demographic and housing estimates, 2012-2016 American Community Survey 5-year estimates. QuickFacts, Columbia County, Pa., retrieved from <https://www.census.gov/quickfacts/table/PST045216/42037>

Newly diagnosed HIV cases and PLWH in Columbia County, Pa.

In the 2012-2016 five-year American Community Survey, the population of Columbia County was 66,772 (Table 75). Whites accounted for 95.4% of the total county population, while blacks/African Americans were 1.9%, Asians were 0.2% and Hispanics were 2.5%. From 2012-2016, 11 cases were newly diagnosed (Table 76). By sex, nine (81.8%) cases were males. By race/ethnicity, six (54.5%) cases were whites. By mode of transmission, seven (63.6%) cases were MSM. Cumulatively, 92 HIV cases were diagnosed in Columbia County through year-end 2016, with males accounting for 70 (76.1%) cases and females 22 (23.9%) cases. By race/ethnicity, whites accounted for 68 (73.9%) cases, while blacks/African Americans were 14 (15.2%) cases. By transmission mode, MSM accounted for 49 (53.3%) cases, while IDU accounted for 20 (21.7%) cases and heterosexual contact for 10 (10.9%) cases diagnosed through year-end 2016. At year-end 2016, 55 PLWH resided in Columbia County.

Table 76: The Number of Persons Diagnosed With HIV Infection by Period of Diagnosis, Sex, Race/Ethnicity, Transmission Category and Number of PLWH at Year-end 2016 in Columbia County, Pa.

Characteristics	Cumulative cases through 2011	Newly diagnosed cases 2012-2016	Cumulative cases through Dec. 31, 2016		PLWH at year-end 2016	
			Number	Percent	Number	Percent
Total	81	11	92	100	55	100
Sex						
Female	20	-	22	23.9	10	18.2
Male	61	9	70	76.1	45	81.8
Race/ethnicity						
Asian	-	-	-	-	-	-
Black/African American	10	-	14	15.2	8	14.5
Hispanic	7	-	8	8.7	-	-
Multiple race	-	-	-	-	-	-
White	62	6	68	73.9	39	70.9
Transmission category						
MSM	42	7	49	53.3	30	54.5
IDU	19	-	20	21.7	7	12.7
MSM and IDU	-	-	-	-	-	-
Heterosexual contact	8	-	10	10.9	12	21.8
All pediatric mode	-	-	-	-	-	-
Other*	7	-	8	8.7	-	-
Age group						
0-12	-	-	-	-	-	-
13-14	-	-	-	-	-	-
15-24	9	-	13	14.1	-	-
25-34	35	-	38	41.3	8	14.5
35-44	21	-	22	23.9	10	18.2
45-54	7	-	9	9.8	17	30.9
55-64	7	-	8	8.7	15	27.3
>=65	-	-	-	-	-	-

Data source: Pa. HIV surveillance

*Other transmission category included unknown transmission category, hemophilia, blood transfusion, and risk not reported, or risk not identified.

Dash (-) indicates a suppressed case count of less than or equal to 5.

Crawford County

Table 77: Selected Socio-demographic Characteristics, Crawford County, Pa.

Selected socio-demographic characteristics	Estimate	Percent
Total population	87,027	100
Sex		
Male	42,542	48.9
Female	44,485	51.1
Race/ethnicity		
Hispanic/Latino	1,017	1.2
White	82,829	95.2
Black/African American	1,573	1.8
American Indian and Alaska Native	32	0.0
Asian	394	0.5
Native Hawaiian and other Pacific Islander	13	0.0
Multiple race (two or more races)	1,154	1.3
Income and poverty		
Median household income (in 2016 dollars), 2012-2016	\$45,637	
Per capita income in past 12 months (in 2016 dollars), 2012-2016	\$23,578	
Persons in poverty		14.4

Data sources: DP05: ACS demographic and housing estimates, 2012-2016 American Community Survey 5-year estimates. QuickFacts, Crawford County, Pa., retrieved from <https://www.census.gov/quickfacts/table/PST045216/42039>

Newly diagnosed HIV cases and PLWH in Crawford County, Pa.

In the 2012-2016 five-year American Community Survey, the population of Crawford County was 87,027 (Table 77). Whites accounted for 95.2% of the total county population, while blacks/African Americans were 1.8% and Hispanics were 1.2%. From 2012-2016, 12 cases were newly diagnosed (Table 78). By sex, nine (75%) cases were males. By race/ethnicity, 11 (91.7%) cases were whites. Cumulatively, 110 HIV cases were diagnosed in Crawford County through year-end 2016, with males accounting for 73 (66.4%) cases and females for 37 (33.6%) cases. By race/ethnicity, 77 (70%) cases were whites, six (5.5%) cases were Hispanics and 23 (20.9%) cases were blacks/African Americans. By transmission mode, MSM accounted for 46 (41.8%) cases, while IDU accounted for 26 (23.6%) cases and heterosexual contact for 24 (21.8%) cases diagnosed through year-end 2016. At year-end 2016, 63 PLWH resided in Crawford County.

Table 78: The Number of Persons Diagnosed With HIV Infection by Period of Diagnosis, Sex, Race/Ethnicity, Transmission Category and Number of PLWH at Year-end 2016 in Crawford County, Pa.

Characteristics	Cumulative cases through 2011	Newly diagnosed cases 2012-2016	Cumulative cases through Dec. 31, 2016		PLWH at year-end 2016	
			Number	Percent	Number	Percent
Total	98	12	110	100	63	100
Sex						
Female	34	-	37	33.6	27	42.9
Male	64	9	73	66.4	36	57.1
Race/ethnicity						
Asian	-	-	-	-	-	-
Black/African American	22	-	23	20.9	21	33.3
Hispanic	6	-	6	5.5	-	-
Multiple race	-	-	-	-	-	-
White	66	11	77	70.0	37	58.7
Transmission category						
MSM	41	-	46	41.8	25	39.7
IDU	25	-	26	23.6	15	23.8
MSM and IDU	-	-	-	-	-	-
Heterosexual contact	19	-	24	21.8	13	20.6
All pediatric mode	-	-	-	-	-	-
Other*	8	-	9	8.2	8	12.7
Age group						
0-12	-	-	-	-	-	-
13-14	-	-	-	-	-	-
15-24	15	-	17	15.5	-	-
25-34	32	-	34	30.9	7	11.1
35-44	32	-	35	31.8	12	19.0
45-54	17	-	20	18.2	23	36.5
55-64	-	-	-	-	16	25.4
>=65	-	-	-	-	-	-

Data source: Pa. HIV surveillance

*Other transmission category included unknown transmission category, hemophilia, blood transfusion, and risk not reported, or risk not identified.

Dash (-) indicates a suppressed case count of less than or equal to 5.

Cumberland County

Table 79: Selected Socio-demographic Characteristics, Cumberland County, Pa.

Selected socio-demographic characteristics	Estimate	Percent
Total population	243,838	100
Sex		
Male	120,485	49.4
Female	123,353	50.6
Race/ethnicity		
Hispanic/Latino	8,282	3.4
White	213,028	87.4
Black/African American	8,384	3.4
American Indian and Alaska Native	179	0.1
Asian	9,019	3.7
Native Hawaiian and other Pacific Islander	13	0
Multiple race (two or more races)	4,750	1.9
Income and poverty		
Median household income (in 2016 dollars), 2012-2016	\$62,640	
Per capita income in past 12 months (in 2016 dollars), 2012-2016	\$33,079	
Persons in poverty		7.9

Data sources: DP05: ACS demographic and housing estimates, 2012-2016 American Community Survey 5-year estimates. QuickFacts, Cumberland County, Pa., retrieved from <https://www.census.gov/quickfacts/table/PST045216/42041>

Newly diagnosed HIV cases and PLWH in Cumberland County, Pa.

In the 2012-2016 five-year American Community Survey, the population of Cumberland County was 243,838 (Table 79). Whites accounted for 87.4% of the total county population, while blacks/African Americans and Hispanics were 3.4% and 3.4%, respectively. From 2012-2016, 53 cases were newly diagnosed (Table 80). By sex, 10 (18.9%) cases were females and 43 (81.1%) cases were males. By race/ethnicity, 12 (22.6%) cases were blacks/African Americans, six (11.3%) cases were Hispanics and 34 (64.2%) cases were whites. By mode of transmission, 30 (56.6%) cases were MSM and nine (17.0%) cases were through heterosexual contact. Cumulatively, 603 HIV cases were diagnosed in Cumberland County through year-end 2016, with males accounting for 529 (87.7%) cases and females for 74 (12.3%) cases. By race/ethnicity, 313 (51.9%) were white, 176 (29.2%) were black/African American and 90 (14.9%) were Hispanic. By transmission mode, MSM accounted for 217 (36%) cases, IDU, 215 (35.7%) cases, heterosexual contact, 83 (13.8%) cases, and MSM and IDU, 31 (5.1%) cases diagnosed through year-end 2016. At year-end 2016, 327 PLWH resided in Cumberland County.

Table 80: The Number of Persons Diagnosed With HIV Infection by Period of Diagnosis, Sex, Race/Ethnicity, Transmission Category and Number of PLWH at Year-end 2016 in Cumberland County, Pa.

Characteristics	Cumulative cases through 2011	Newly diagnosed cases 2012-2016	Cumulative cases through Dec. 31, 2016		PLWH at year-end 2016	
			Number	Percent	Number	Percent
Total	550	53	603	100	327	100
Sex						
Female	64	10	74	12.3	61	18.7
Male	486	43	529	87.7	266	81.3
Race/ethnicity						
Asian	-	-	-	-	-	-
Black/African American	164	12	176	29.2	79	24.2
Hispanic	84	6	90	14.9	51	15.6
Multiple race	20	-	20	3.3	12	3.7
White	279	34	313	51.9	182	55.7
Transmission category						
MSM	187	30	217	36.0	140	42.8
IDU	214	-	215	35.7	75	22.9
MSM and IDU	29	-	31	5.1	18	5.5
Heterosexual contact	74	9	83	13.8	67	20.5
All pediatric mode	6	-	6	1.0	-	-
Other*	40	11	51	8.5	25	7.6
Age group						
0-12	6	-	6	1.0	-	-
13-14	-	-	-	-	-	-
15-24	64	12	76	12.6	6	1.8
25-34	180	11	191	31.7	29	8.9
35-44	194	17	211	35.0	58	17.7
45-54	80	10	90	14.9	123	37.6
55-64	22	-	24	4.0	88	26.9
>=65	-	-	-	-	22	6.7

Data source: Pa. HIV surveillance

*Other transmission category included unknown transmission category, hemophilia, blood transfusion, and risk not reported, or risk not identified.

Dash (-) indicates a suppressed case count of less than or equal to 5.

Dauphin County

Table 81: Selected Socio-demographic Characteristics, Dauphin County, Pa.

Selected socio-demographic characteristics	Estimate	Percent
Total population	271,962	100
Sex		
Male	131,707	48.4
Female	140,255	51.6
Race/ethnicity		
Hispanic/Latino	22,415	8.2
White	184,457	67.8
Black/African American	47,610	17.5
American Indian and Alaska Native	323	0.1
Asian	10,227	3.8
Native Hawaiian and other Pacific Islander	63	0.0
Multiple race (two or more races)	6,692	2.5
Income and poverty		
Median household income (in 2016 dollars), 2012-2016	\$54,968	
Per capita income in past 12 months (in 2016 dollars), 2012-2016	\$30,068	
Persons in poverty		11.3

Data sources: DP05: ACS demographic and housing estimates, 2012-2016 American Community Survey 5-year estimates. QuickFacts, Dauphin County, Pa., retrieved from <https://www.census.gov/quickfacts/table/PST045216/42043>

Newly diagnosed HIV cases and PLWH in Dauphin County, Pa.

In the 2012-2016 five-year American Community Survey, the population of Dauphin County was 271,962 (Table 81). Whites in Dauphin County accounted for 67.8% of the total county population, while blacks/African Americans were 17.5% and Hispanics were 8.2%. From 2012-2016, 193 cases were newly diagnosed (Table 82). By sex, 42 (21.8%) cases were females and 151 (78.2%) cases were males. By race/ethnicity, 97 (50.3%) cases were blacks/African Americans, 25 (13%) cases were Hispanics and 65 (33.7%) cases were whites. By mode of transmission, 94 (48.7%) cases were MSM, 16 (8.3%) cases were IDU-related and 27 (14%) cases were through heterosexual contact. Cumulatively, 1,761 HIV cases were diagnosed in Dauphin County through year-end of 2016. Males were 1,300 (73.8%) cases, and females were 461 (26.2%) cases. By race/ethnicity, blacks/African Americans accounted for 718 (40.8%) cases, while whites were 735 (41.7%) cases, Hispanics were 215 (12.2%) cases, Asians were nine (0.5%) cases and individuals of multiple race were 81 (4.6%) cases. By transmission category, MSM tallied 747 (42.4%) cases, IDU tallied 386 (21.9%) cases, heterosexual contact tallied 373 (21.2%) cases, and MSM and IDU tallied 101 (5.7%) cases diagnosed through year-end 2016. At year-end 2016, 1,162 PLWH resided in Dauphin County.

Table 82: The Number of Persons Diagnosed With HIV Infection by Period of Diagnosis, Sex, Race/Ethnicity, Transmission Category and Number of PLWH at Year-end 2016 in Dauphin County, Pa.

Characteristics	Cumulative cases through 2011	Newly diagnosed cases 2012-2016	Cumulative cases through Dec. 31, 2016		PLWH at year-end 2016	
			Number	Percent	Number	Percent
Total	1,568	193	1,761	100	1,162	100
Sex						
Female	419	42	461	26.2	334	28.7
Male	1,149	151	1,300	73.8	828	71.3
Race/ethnicity						
Asian	6	-	9	0.5	-	-
Black/African American	621	97	718	40.8	469	40.4
Hispanic	190	25	215	12.2	167	14.4
Multiple race	78	-	81	4.6	66	5.7
Native Hawaiian	-	-	-	-	-	-
White	670	65	735	41.7	455	39.2
Transmission category						
MSM	653	94	747	42.4	508	43.7
IDU	370	16	386	21.9	209	18.0
MSM and IDU	97	-	101	5.7	52	4.5
Heterosexual contact	346	27	373	21.2	279	24.0
All pediatric mode	18	-	19	1.1	14	1.2
Other*	84	51	135	7.7	100	8.6
Age group						
0-12	18	-	19	1.1	-	-
13-14	-	-	-	-	-	-
15-24	191	37	228	12.9	35	3.0
25-34	536	54	590	33.5	137	11.8
35-44	489	37	526	29.9	217	18.7
45-54	263	43	306	17.4	384	33.0
55-64	59	14	73	4.1	290	25.0
>=65	10	7	17	1.0	96	8.3

Data source: Pa. HIV surveillance

*Other transmission category included unknown transmission category, hemophilia, blood transfusion, and risk not reported, or risk not identified.

Dash (-) indicates a suppressed case count of less than or equal to 5.

Delaware County

Table 83: Selected Socio-demographic Characteristics, Delaware County, Pa.

Selected socio-demographic characteristics	Estimate	Percent
Total population	562,316	100
Sex		
Male	270,171	48.0
Female	292,145	52.0
Race/ethnicity		
Hispanic/Latino	19,528	3.5
White	385,607	68.6
Black/African American	115,486	20.5
American Indian and Alaska Native	483	0.1
Asian	29,474	5.2
Native Hawaiian and other Pacific Islander	104	0.0
Multiple race (two or more races)	10,682	1.9
Income and poverty		
Median household income (in 2016 dollars), 2012-2016	\$66,576	
Per capita income in past 12 months (in 2016 dollars), 2012-2016	\$34,857	
Persons in poverty		10.8

Data sources: DP05: ACS demographic and housing estimates, 2012-2016 American Community Survey 5-year estimates. QuickFacts, Delaware County, Pa., retrieved from <https://www.census.gov/quickfacts/table/PST045216/42045>

Newly diagnosed HIV cases and PLWH in Delaware County, Pa.

In the 2012-2016 five-year American Community Survey, the population of Delaware County was 562,316 (Table 83). Whites in Delaware County accounted for 68.6% of the total county population, while blacks/African Americans were 20.5%, Asians were 0.1% and Hispanics were 3.5%. From 2012-2016, 371 cases were newly diagnosed (Table 84). By sex, 120 (32.3%) cases were females and 251 (67.7%) cases were males. By race/ethnicity, 248 (66.8%) cases were blacks/African Americans, 20 (5.4%) cases were Hispanics, 91 (24.5%) cases were whites and nine (2.4%) cases were of multiple race. By mode of transmission, 132 (35.6%) cases were MSM, 12 (3.2%) cases were IDU-related, 178 (48%) cases were through heterosexual contact and eight (2.2%) cases were MSM and IDU. Cumulatively, 3,008 HIV cases were diagnosed in Delaware County through year-end 2016, with males accounting for 2,141 (71.2%) cases and females for 867 (28.8%) cases. By race/ethnicity, blacks/African Americans accounted for 1,819 (60.5%) cases, whites for 873 (29.0%) cases, Hispanics for 172 (5.7%) cases and Asians for 17 (0.6%) cases diagnosed through year-end 2016. By transmission mode, MSM were 923 (30.7%) cases, IDU 829 (27.6%) cases, heterosexual contact 827 (27.5%) cases diagnosed through year-end 2016. At year-end 2016, 2,080 PLWH resided in Delaware County.

Table 84: The Number of Persons Diagnosed With HIV Infection by Year of Diagnosis, Sex, Race/Ethnicity and Transmission Category and Number of People Living With HIV at Year-end 2016 in Delaware County, Pa.

Characteristics	Cumulative cases through 2011	Newly diagnosed cases 2012-2016	Cumulative cases through Dec. 31, 2016		PLWH at year-end 2016	
			Number	Percent	Number	Percent
Total	2,637	371	3,008	100	2,080	100
Sex						
Female	747	120	867	28.8	682	32.8
Male	1,890	251	2,141	71.2	1,398	67.2
Race/ethnicity						
Asian	14	-	17	0.6	17	0.8
Black/African American	1,571	248	1,819	60.5	1,299	62.5
Hispanic	152	20	172	5.7	164	7.9
Multiple race	118	9	127	4.2	94	4.5
Native Hawaiian	-	-	-	-	-	-
White	782	91	873	29.0	503	24.2
Transmission category						
MSM	791	132	923	30.7	669	32.2
IDU	817	12	829	27.6	387	18.6
MSM and IDU	126	8	134	4.5	90	4.3
Heterosexual contact	649	178	827	27.5	745	35.8
All pediatric mode	37	-	38	1.3	28	1.3
Other*	217	40	257	8.5	161	7.7
Age group						
0-12	37	-	38	1.3	6	0.3
13-14	-	-	-	-	-	-
15-24	266	67	333	11.1	67	3.2
25-34	753	98	851	28.3	303	14.6
35-44	863	65	928	30.9	377	18.1
45-54	511	86	597	19.8	634	30.5
55-64	152	42	194	6.4	505	24.3
>=65	52	12	64	2.1	188	9.0

Data source: Pa. HIV surveillance

* Other transmission category included unknown transmission category, hemophilia, blood transfusion, and risk not reported, or risk not identified.

Dash (-) indicates a suppressed case count of less than or equal to 5.

Elk County

Table 85: Selected Socio-demographic Characteristics, Elk County, Pa.

Selected socio-demographic characteristics	Estimate	Percent
Total population	31,111	100
Sex		
Male	15,541	50.0
Female	15,570	50.0
Race/ethnicity		
Hispanic/Latino	223	0.7
White	30,332	97.5
Black/African American	142	0.5
American Indian and Alaska Native	69	0.2
Asian	141	0.5
Native Hawaiian and other Pacific Islander	0	0.0
Multiple race (two or more races)	150	0.5
Income and poverty		
Median household income (in 2016 dollars), 2012-2016	\$47,917	
Per capita income in past 12 months (in 2016 dollars), 2012-2016	\$25,753	
Persons in poverty		10.1

Data sources: DP05: ACS demographic and housing estimates, 2012-2016 American Community Survey 5-year estimates. QuickFacts, Elk County, Pa., retrieved from <https://www.census.gov/quickfacts/table/PST045216/42047>

Newly diagnosed HIV cases and PLWH in Elk County, Pa.

In the 2012-2016 five-year American Community Survey, the population of Elk County was 31,111 (Table 85). Whites accounted for 97.5% of the total county population, while Hispanics were 0.7% and blacks/African Americans were 0.5%. From 2012-2016, fewer than five cases were newly diagnosed (Table 86). Cumulatively, 11 HIV cases were diagnosed in Elk County through year-end 2016, with males accounting for nine (81.8%) cases. By race/ethnicity, whites accounted for nine (81.8%) cases. By transmission mode, MSM accounted for seven (63.6%) cases. At year-end 2016, six PLWH resided in Elk County.

Table 86: The Number of Persons Diagnosed With HIV Infection by Period of Diagnosis, Sex, Race/Ethnicity, Transmission Category and Number of PLWH at Year-end 2016 in Elk County, Pa.

Characteristics	Cumulative cases through 2011	Newly diagnosed cases 2012-2016	Cumulative cases through Dec. 31, 2016		PLWH at year-end 2016	
			Number	Percent	Number	Percent
Total	10	-	11	100	6	100
Sex						
Female	-	-	-	-	-	-
Male	8	-	9	81.8	-	-
Race/ethnicity						
Black/African American	-	-	-	-	-	-
Hispanic	-	-	-	-	-	-
White	8	-	9	81.8	-	-
Transmission category						
MSM	6	-	7	63.6	-	-
IDU	-	-	-	-	-	-
MSM and IDU	-	-	-	-	-	-
Heterosexual contact	-	-	-	-	-	-
All pediatric mode	-	-	-	-	-	-
Other*	-	-	-	-	-	-
Age group						
0-12	-	-	-	-	-	-
13-14	-	-	-	-	-	-
15-24	-	-	-	-	-	-
25-34	-	-	-	-	-	-
35-44	-	-	-	-	-	-
45-54	-	-	-	-	-	-
55-64	-	-	-	-	-	-
>=65	-	-	-	-	-	-

Data source: Pa. HIV surveillance

* Other transmission category included unknown transmission category, hemophilia, blood transfusion, and risk not reported, or risk not identified.

Dash (-) indicates a suppressed case count of less than or equal to 5.

Erie County

Table 87: Selected Socio-demographic Characteristics, Erie County, Pa.

Selected socio-demographic characteristics	Estimate	Percent
Total population	279,133	100
Sex		
Male	137,741	49.3
Female	141,392	50.7
Race/ethnicity		
Hispanic/Latino	10,844	3.9
White	237,669	85.1
Black/African American	18,681	6.7
American Indian and Alaska Native	631	0.2
Asian	4,281	1.5
Native Hawaiian and other Pacific Islander	93	0.0
Multiple race (two or more races)	6,545	2.3
Income and poverty		
Median household income (in 2016 dollars), 2012-2016	\$47,094	
Per capita income in past 12 months (in 2016 dollars), 2012-2016	\$25,555	
Persons in poverty		15.7

Data sources: DP05: ACS demographic and housing estimates, 2012-2016 American Community Survey 5-year estimates. QuickFacts, Erie County, Pa., retrieved from <https://www.census.gov/quickfacts/table/PST045216/42049>

Newly diagnosed HIV cases and PLWH in Erie County, Pa.

In the 2012-2016 five-year American Community Survey, the population of Erie County was 279,133 (Table 87). Whites accounted for 85.1% of the total county population, while blacks/African Americans were 6.7%, Asians were 1.5% and Hispanics were 3.9%. From 2012-2016, 65 cases were newly diagnosed (Table 88). By sex, 21 (32.3%) cases were females and 44 (67.7%) cases were males. By race/ethnicity, 28 (43.1%) cases were blacks/African Americans, seven (10.8%) cases were Hispanics and 27 (41.5%) cases were whites. By mode of transmission, 25 (38.5%) cases were MSM and 16 (24.6%) were through heterosexual contact. Cumulatively, 550 HIV cases were diagnosed in Erie County through year-end 2016, with males accounting for 425 (77.3%) of the cases and females for 125 (22.7%). By race/ethnicity, 304 (55.3%) were whites, 163 (29.6%) were blacks/African Americans and 66 (12%) were Hispanics. By transmission mode, MSM tallied 235 (42.7%) cases, IDU tallied 106 (19.3%) cases, heterosexual contact, 102 (18.5%) cases, and MSM and IDU, 41 (7.5%) cases diagnosed through year-end 2016. At year-end 2016, 487 PLWH resided in Erie County.

Table 88: The Number of Persons Diagnosed With HIV Infection by Period of Diagnosis, Sex, Race/Ethnicity, Transmission Category and Number of PLWH at Year-end 2016 in Erie County, Pa.

Characteristics	Cumulative cases through 2011	Newly diagnosed cases 2012-2016	Cumulative cases through Dec. 31, 2016		PLWH at year-end 2016	
			Number	Percent	Number	Percent
Total	485	65	550	100	487	100
Sex						
Female	104	21	125	22.7	129	26.5
Male	381	44	425	77.3	358	73.5
Race/ethnicity						
Asian	-	-	-	-	-	-
Black/African American	135	28	163	29.6	149	30.6
Hispanic	59	7	66	12.0	61	12.5
Multiple race	14	-	15	2.7	18	3.7
Native Hawaiian	-	-	-	-	-	-
White	277	27	304	55.3	256	52.6
Transmission category						
MSM	210	25	235	42.7	199	40.9
IDU	104	-	106	19.3	73	15.0
MSM and IDU	39	-	41	7.5	34	7.0
Heterosexual contact	86	16	102	18.5	110	22.6
All pediatric mode	7	-	8	1.5	10	2.1
Other*	39	19	58	10.5	65	13.3
Age group						
0-12	7	-	8	1.5	-	-
13-14	-	-	-	-	-	-
15-24	73	11	84	15.3	11	2.3
25-34	181	17	198	36.0	58	11.9
35-44	132	16	148	26.9	96	19.7
45-54	66	16	82	14.9	166	34.1
55-64	22	-	25	4.5	115	23.6
>=65	-	-	-	-	36	7.4

Data source: Pa. HIV surveillance

*Other transmission category included unknown transmission category, hemophilia, blood transfusion, and risk not reported, or risk not identified.

Dash (-) indicates a suppressed case count of less than or equal to 5.

Fayette County

Table 89: Selected Socio-demographic Characteristics, Fayette County, Pa.

Selected socio-demographic characteristics	Estimate	Percent
Total population	134,229	100
Sex		
Male	66,241	49.3
Female	67,988	50.7
Race/ethnicity		
Hispanic/Latino	1,385	1.0
White	123,837	92.3
Black/African American	5,340	4.0
American Indian and Alaska Native	80	0.1
Asian	230	0.2
Native Hawaiian and other Pacific Islander	305	0.2
Multiple race (two or more races)	3,023	2.3
Income and poverty		
Median household income (in 2016 dollars), 2012-2016	\$40,511	
Per capita income in past 12 months (in 2016 dollars), 2012-2016	\$22,863	
Persons in poverty		17.5

Data sources: DP05: ACS demographic and housing estimates, 2012-2016 American Community Survey 5-year estimates. QuickFacts, Fayette County, Pa., retrieved from <https://www.census.gov/quickfacts/table/PST045216/42051>

Newly diagnosed HIV cases and PLWH in Fayette County, Pa.

In the 2012-2016 five-year American Community Survey, the population of Fayette County was 134,229 (Table 89). Whites accounted for 92.3% of the total county population, while blacks/African Americans were 4% and Hispanics accounted for 1% of the total county population. From 2012-2016, 27 cases were newly diagnosed (Table 90). By sex, nine (33.3%) cases were females and 18 (66.7%) cases were males. By race/ethnicity, six (22.2%) cases were blacks/African American and 21 (77.8%) cases were whites. By mode of transmission, 12 (44.4%) cases were MSM and seven (25.9%) cases were through heterosexual contact. Cumulatively, 149 HIV cases were diagnosed in Fayette County through year-end 2016, with males accounting for 124 (83.2%) cases and females were 25 (16.8%) of cases. By race/ethnicity, 108 (72.5%) were whites and 32 (21.5%) were blacks/African Americans. By transmission category, MSM accounted for 79 (53%) cases while IDU for 18 (12.1%) and heterosexual contact for 19 (12.8%) cases. At year-end 2016, 113 PLWH resided in Fayette County.

Table 90: The Number of Persons Diagnosed With HIV Infection by Period of Diagnosis, Sex, Race/Ethnicity, Transmission Category and Number of PLWH at Year-end 2016 in Fayette County, Pa.

Characteristics	Cumulative cases through 2011	Newly diagnosed cases 2012-2016	Cumulative cases through Dec. 31, 2016		PLWH at year-end 2016	
			Number	Percent	Number	Percent
Total	122	27	149	100	113	100
Sex						
Female	16	9	25	16.8	18	15.9
Male	106	18	124	83.2	95	84.1
Race/ethnicity						
Asian	-	-	-	-	-	-
Black/African American	26	6	32	21.5	25	22.1
Hispanic	-	-	-	-	-	-
Multiple race	-	-	-	-	-	-
White	87	21	108	72.5	79	69.9
Transmission category						
MSM	67	12	79	53.0	61	54.0
IDU	17	-	18	12.1	16	14.2
MSM and IDU	8	-	8	5.4	-	-
Heterosexual contact	12	7	19	12.8	18	15.9
All pediatric mode	-	-	-	-	-	-
Other*	17	7	24	16.1	13	11.5
Age group						
0-12	-	-	-	-	-	-
13-14	-	-	-	-	-	-
15-24	13	6	19	12.8	-	-
25-34	50	7	57	38.3	16	14.2
35-44	30	8	38	25.5	22	19.5
45-54	23	-	27	18.1	43	38.1
55-64	-	-	-	-	22	19.5
>=65	-	-	-	-	-	-

Data source: Pa. HIV surveillance

*Other transmission category included unknown transmission category, hemophilia, blood transfusion, and risk not reported, or risk not infected.

Dash (-) indicates a suppressed case count of less than or equal to 5.

Forest County

Table 91: Selected Socio-demographic Characteristics, Forest County, Pa.

Selected socio-demographic characteristics	Estimate	Percent
Total population	7,493	100
Sex		
Male	5,881	78.5
Female	1,612	21.5
Race/ethnicity		
Hispanic/Latino	565	7.5
White	4,455	59.5
Black/African American	2,292	30.6
American Indian and Alaska Native	17	0.2
Asian	43	0.6
Native Hawaiian and other Pacific Islander	0	0
Multiple race (two or more races)	121	1.6
Income and poverty		
Median household income (in 2016 dollars), 2012-2016	\$36,594	
Per capita income in past 12 months (in 2016 dollars), 2012-2016	\$13,283	
Persons in poverty		24.6

Data sources: DP05: ACS demographic and housing estimates, 2012-2016 American Community Survey 5-year estimates. QuickFacts, Forest County, Pa., retrieved from <https://www.census.gov/quickfacts/table/PST045216/42053>

Newly diagnosed HIV cases and PLWH in Forest County, Pa.

In the 2012-2016 five-year American Community Survey, the population of Forest County was 7,493 (Table 91). Whites accounted for 59.5% of the total county population, while blacks/African Americans were 30.6% and Asians and Hispanics accounted for 0.2% and 7.5%, respectively. There were no newly diagnosed HIV cases between year 2012 and 2016 (Table 92). Cumulatively, 14 HIV cases were diagnosed in Forest County through year-end 2016, with males accounting for 13 (92.9%) cases. At year-end 2016, 13 PLWH resided in Forest County.

Table 92: The Number of Persons Diagnosed With HIV Infection by Period of Diagnosis, Sex, Race/Ethnicity, Transmission Category and Number of PLWH at Year-end 2016 in Forest County, Pa.

Characteristics	Cumulative cases through 2011	Newly diagnosed cases 2012-2016	Cumulative cases through Dec. 31, 2016		PLWH at year-end 2016	
			Number	Percent	Number	Percent
Total	14	0	14	100	13	100
Sex						
Female	-	-	-	-	-	-
Male	13	0	13	92.9	13	100
Race/ethnicity						
Black/African American	-	-	-	-	-	-
Hispanic	-	-	-	-	-	-
White	10	-	10	71.4	-	-
Transmission category						
MSM	-	-	-	-	-	-
IDU	-	-	-	-	-	-
MSM and IDU	-	-	-	-	-	-
Heterosexual contact	-	-	-	-	-	-
All pediatric mode	-	-	-	-	-	-
Other*	-	-	-	-	-	-
Age group						
0-12	-	-	-	-	-	-
13-14	-	-	-	-	-	-
15-24	-	-	-	-	-	-
25-34	-	-	-	-	-	-
35-44	-	-	-	-	-	-
45-54	-	-	-	-	-	-
55-64	-	-	-	-	-	-
>=65	-	-	-	-	-	-

Data source: Pa. HIV surveillance

*Other transmission category included unknown transmission category, hemophilia, blood transfusion, and risk not reported, or risk not identified.

Dash (-) indicates a suppressed case count of less than or equal to 5.

Franklin County

Table 93: Selected Socio-demographic Characteristics, Franklin County, Pa.

Selected socio-demographic characteristics	Estimate	Percent
Total population	152,707	100
Sex		
Male	75,038	49.1
Female	77,669	50.9
Race/ethnicity		
Hispanic/Latino	7,724	5.1
White	135,863	89.0
Black/African American	5,643	3.7
American Indian and Alaska Native	305	0.2
Asian	1,552	1.0
Native Hawaiian and other Pacific Islander	29	0.0
Multiple race (two or more races)	1,498	1.0
Income and poverty		
Median household income (in 2016 dollars), 2012-2016	\$55,751	
Per capita income in past 12 months (in 2016 dollars), 2012-2016	\$27,706	
Persons in poverty		9.1

Data sources: DP05: ACS demographic and housing estimates, 2012-2016 American Community Survey 5-year estimates. QuickFacts, Franklin County, Pa., retrieved from <https://www.census.gov/quickfacts/table/PST045216/42055>

Newly diagnosed HIV cases and PLWH in Franklin County, Pa.

In the 2012-2016 five-year American Community Survey, the population of Franklin County was 152,707 (Table 93). Whites accounted for 89% of the total county population, while blacks/African Americans were 3.7% and Hispanics were 5.1%. From 2012-2016, 27 cases were newly diagnosed (Table 94). By sex, eight (29.6%) cases were females and 19 (70.4%) cases were males. By race/ethnicity, 11 (40.7%) cases were blacks/African Americans and 14 (51.9%) cases were whites. By mode of transmission, 15 (55.6%) cases were MSM. Cumulatively, 224 HIV cases were diagnosed in Franklin County through year-end 2016, with males accounting for 157 (70.1%) cases and females for 67 (29.9%) cases. By race/ethnicity, whites were 138 (61.6%) cases, blacks/African Americans were 64 (28.6%) cases and Hispanics were 19 (8.5%) cases. By transmission mode, MSM accounted for 83 (37.1%) cases, while IDU accounted for 33 (14.7%) cases, heterosexual contact for 69 (30.8%) cases, and MSM and IDU for 15 (6.7%) cases diagnosed through year-end 2016. At year-end 2016, 174 PLWH resided in Franklin County.

Table 94: The Number of Persons Diagnosed With HIV Infection by Period of Diagnosis, Sex, Race/Ethnicity, Transmission Category and Number of PLWH at Year-end 2016 in Franklin County, Pa.

Characteristics	Cumulative cases through 2011	Newly diagnosed cases 2012-2016	Cumulative cases through Dec. 31, 2016		PLWH at year-end 2016	
			Number	Percent	Number	Percent
Total	197	27	224	100	174	100
Sex						
Female	59	8	67	29.9	50	28.7
Male	138	19	157	70.1	124	71.3
Race/ethnicity						
Black/African American	53	11	64	28.6	48	27.6
Hispanic	18	-	19	8.5	22	12.6
Multiple race	-	-	-	-	-	-
White	124	14	138	61.6	101	58.0
Transmission category						
MSM	68	15	83	37.1	79	45.4
IDU	33	-	33	14.7	19	10.9
MSM and IDU	15	-	15	6.7	8	4.6
Heterosexual contact	64	-	69	30.8	52	29.9
All pediatric mode	-	-	-	-	-	-
Other*	16	7	23	10.3	13	7.5
Age group						
0-12	-	-	-	-	-	-
13-14	-	-	-	-	-	-
15-24	27	-	31	13.8	-	-
25-34	60	6	66	29.5	19	10.9
35-44	62	7	69	30.8	28	16.1
45-54	32	6	38	17.0	74	42.5
55-64	13	-	17	7.6	37	21.3
>=65	-	-	-	-	11	6.3

Data source: Pa. HIV surveillance

*Other transmission category included unknown transmission category, hemophilia, blood transfusion, and risk not reported, or risk not identified.

Dash (-) indicates a suppressed case count of less than or equal to 5.

Fulton County

Table 95: Selected Socio-demographic Characteristics, Fulton County, Pa.

Selected socio-demographic characteristics	Estimate	Percent
Total population	14,653	100
Sex		
Male	7,386	50.4
Female	7,267	49.6
Race/ethnicity		
Hispanic/Latino	158	1.1
White	14,138	96.5
Black/African American	196	1.0
American Indian and Alaska Native	33	0.2
Asian	22	0.2
Native Hawaiian and other Pacific Islander	3	0.0
Multiple race (two or more races)	103	0.7
Income and poverty		
Median household income (in 2016 dollars), 2012-2016	\$49,420	
Per capita income in past 12 months (in 2016 dollars), 2012-2016	\$24,327	
Persons in poverty		10.6

Data sources: DP05: ACS demographic and housing estimates, 2012-2016 American Community Survey 5-year estimates. QuickFacts, Fulton County, Pa., retrieved from <https://www.census.gov/quickfacts/table/PST045216/42057>

Newly diagnosed HIV cases and PLWH in Fulton County, Pa.

In the 2012-2016 five-year American Community Survey, the population of Fulton County was 14,653 (Table 95). Whites accounted for 96.5% of the total county population, while Hispanics were 1.1% and blacks/African Americans were 1%. From 2012-2016, fewer than five cases were newly diagnosed (Table 96). Cumulatively, 11 HIV cases were diagnosed in Fulton County through year-end 2016, with males accounting for 10 (90.9%) cases. By race/ethnicity, whites were 10 (90.9%) cases. By transmission mode, MSM were eight (72.7%) cases. At year-end 2016, 12 PLWH resided in Fulton County.

Table 96: The Number of Persons Diagnosed With HIV Infection by Period of Diagnosis, Sex, Race/Ethnicity, Transmission Category and Number of PLWH at Year-end 2016 in Fulton County, Pa.

Characteristics	Cumulative cases through 2011	Newly diagnosed cases 2012-2016	Cumulative cases through Dec. 31, 2016		PLWH at year-end 2016	
			Number	Percent	Number	Percent
Total	10	-	11	100	12	100
Sex						
Female	-	-	-	-	-	-
Male	9	-	10	90.9	11	91.7
Race/ethnicity						
Black/African American	-	-	-	-	-	-
Hispanic	-	-	-	-	-	-
White	10	-	10	90.9	8	66.7
Transmission category						
MSM	7	-	8	72.7	9	75.0
IDU	-	-	-	-	-	-
MSM and IDU	-	-	-	-	-	-
Heterosexual contact	-	-	-	-	-	-
All pediatric mode	-	-	-	-	-	-
Other*	-	-	-	-	-	-
Age group						
0-12	-	-	-	-	-	-
13-14	-	-	-	-	-	-
15-24	-	-	-	-	-	-
25-34	-	-	-	-	-	-
35-44	-	-	-	-	-	-
45-54	-	-	-	-	-	-
55-64	-	-	-	-	-	-
>=65	-	-	-	-	-	-

Data source: Pa. HIV surveillance

*Other transmission category included unknown transmission category, hemophilia, blood transfusion, and risk not reported, or risk not identified.

Dash (-) indicates a suppressed case count of less than or equal to 5.

Greene County

Table 97: Selected Socio-demographic Characteristics, Greene County, Pa

Selected socio-demographic characteristics	Estimate	Percent
Total population	37,669	100
Sex		
Male	19,556	51.9
Female	18,113	48.1
Race/ethnicity		
Hispanic/Latino	536	1.4
White	34,881	92.6
Black/African American	1,563	4.1
American Indian and Alaska Native	21	0.1
Asian	108	0.3
Native Hawaiian and other Pacific Islander	3	0
Multiple race (two or more races)	534	1.4
Income and poverty		
Median household income (in 2016 dollars), 2012-2016	\$49,116	
Per capita income in past 12 months (in 2016 dollars), 2012-2016	\$24,389	
Persons in poverty		15.7

Data sources: DP05: ACS demographic and housing estimates, 2012-2016 American Community Survey 5-year estimates. QuickFacts, Greene County, Pa., retrieved from <https://www.census.gov/quickfacts/table/PST045216/42059>

Newly diagnosed HIV cases and PLWH in Greene County, Pa.

In the 2012-2016 five-year American Community Survey, the population of Greene County was 37,669 (Table 97). Whites accounted for 92.6% of the total county population, while Hispanics were 1.4% and blacks/African Americans were 4.1%. From 2012-2016, only five cases were newly diagnosed (Table 98). Cumulatively, 48 HIV cases were diagnosed in Greene County through year-end of 2016, with males accounting for 47 (97.9%) cases. By race/ethnicity, 26 (54.2%) cases were whites and 15 (31.3%) were blacks/African Americans. By transmission mode, 19 (39.6%) cases were MSM and 12 (25%) cases were IDU. At year-end 2016, 27 PLWH resided in Greene County.

Table 98: The Number of Persons Diagnosed With HIV Infection by Period of Diagnosis, Sex, Race/Ethnicity, Transmission Category and Number of PLWH at Year-end 2016 in Greene County, Pa.

Characteristics	Cumulative cases through 2011	Newly diagnosed cases 2012-2016	Cumulative cases through Dec. 31, 2016		PLWH at year-end 2016	
			Number	Percent	Number	Percent
Total	43	-	48	100	27	100
Sex						
Female	-	-	-	-	-	-
Male	42	-	47	97.9	26	96.3
Race/ethnicity						
Black/African American	13	-	15	31.3	10	37.0
Hispanic	-	-	-	-	-	-
Multiple race	-	-	-	-	-	-
White	23	-	26	54.2	15	55.6
Transmission category						
MSM	15	-	19	39.6	9	33.3
IDU	12	-	12	25.0	9	33.3
MSM and IDU	-	-	-	-	-	-
Heterosexual contact	-	-	-	-	-	-
All pediatric mode	-	-	-	-	-	-
Other*	9	-	10	20.8	6	22.2
Age group						
0-12	-	-	-	-	-	-
13-14	-	-	-	-	-	-
15-24	8	-	8	16.7	-	-
25-34	12	-	12	25.0	-	-
35-44	10	-	11	22.9	9	33.3
45-54	12	-	15	31.3	8	29.6
55-64	-	-	-	-	6	22.2
>=65	-	-	-	-	-	-

Data source: Pa. HIV surveillance

*Other transmission category included unknown transmission category, hemophilia, blood transfusion, and risk not reported, or risk not identified.

Dash (-) indicates a suppressed case count of less than or equal to 5.

Huntingdon County

Table 99: Selected Socio-demographic Characteristics, Huntingdon County, Pa.

Selected socio-demographic characteristics	Estimate	Percent
Total population	45,844	100
Sex		
Male	24,289	53.0
Female	21,555	47.0
Race/ethnicity		
Hispanic/Latino	853	1.9
White	41,757	91.1
Black/African American	2,353	5.1
American Indian and Alaska Native	22	0.0
Asian	226	0.5
Native Hawaiian and other Pacific Islander	0	0.0
Multiple race (two or more races)	619	1.4
Income and poverty		
Median household income (in 2016 dollars), 2012-2016	\$45,250	
Per capita income in past 12 months (in 2016 dollars), 2012-2016	\$22,217	
Persons in poverty		13.6

Data sources: DP05: ACS demographic and housing estimates, 2012-2016 American Community Survey 5-year estimates. QuickFacts, Huntingdon County, Pa., retrieved from <https://www.census.gov/quickfacts/table/PST045216/42061>

Newly diagnosed HIV cases and PLWH in Huntingdon County, Pa.

In the 2012-2016 five-year American Community Survey, the population of Huntingdon County was 45,844 (Table 99). Whites accounted for 91.1% of the total county population, while blacks/African Americans were 5.1% and Hispanics were 1.9%. From 2012-2016, only six cases were newly diagnosed (Table 100). Cumulatively, 115 HIV cases were diagnosed in Huntingdon County through year-end 2016, with males accounting for 111 (96.5%) cases. By race/ethnicity, blacks/African Americans were 59 (51.3%) cases, whites were 30 (26.1%) cases and Hispanics were 20 (17.4%) cases. By transmission mode, IDU accounted for 54 (47%) cases, while MSM accounted for 25 (21.7%) cases, MSM and IDU for 13 (11.3%) cases and heterosexual contact for 11 (9.6%) cases diagnosed through year-end 2016. At year-end 2016, 60 PLWH resided in Huntingdon County.

Table 100: The Number of Persons Diagnosed With HIV Infection by Period of Diagnosis, Sex, Race/Ethnicity, Transmission Category and Number of PLWH at Year-end 2016 in Huntingdon County, Pa.

Characteristics	Cumulative cases through 2011	Newly diagnosed cases 2012-2016	Cumulative cases through Dec. 31, 2016		PLWH at year-end 2016	
			Number	Percent	Number	Percent
Total	109	6	115	100	60	100
Sex						
Female	-	-	-	-	-	-
Male	106	-	111	96.5	58	96.7
Race/ethnicity						
Black/African American	54	-	59	51.3	28	46.7
Hispanic	20	-	20	17.4	9	15.0
Multiple race	6	-	6	5.2	-	-
White	29	-	30	26.1	19	31.7
Transmission category						
MSM	24	-	25	21.7	20	33.3
IDU	52	-	54	47.0	20	33.3
MSM and IDU	13	-	13	11.3	8	13.3
Heterosexual contact	10	-	11	9.6	8	13.3
All pediatric mode	-	-	-	-	-	-
Other*	9	-	11	9.6	-	-
Age group						
0-12	-	-	-	-	-	-
13-14	-	-	-	-	-	-
15-24	8	-	10	8.7	-	-
25-34	41	-	42	36.5	6	10.0
35-44	37	-	38	33.0	7	11.7
45-54	18	-	19	16.5	27	45.0
55-64	-	-	-	-	15	25.0
>=65	-	-	-	-	-	-

Data source: Pa. HIV surveillance

*Other transmission category included unknown transmission category, hemophilia, blood transfusion, and risk not reported, or risk not identified.

Dash (-) indicates a suppressed case count of less than or equal to 5.

Indiana County

Table 101: Selected Socio-demographic Characteristics, Indiana County, Pa.

Selected socio-demographic characteristics	Estimate	Percent
Total population	87,491	100
Sex		
Male	43,929	50.2
Female	43,562	49.8
Race/ethnicity		
Hispanic/Latino	1,106	1.3
White	82,198	94.0
Black/African American	1,992	2.3
American Indian and Alaska Native	174	0.2
Asian	999	1.1
Native Hawaiian and other Pacific Islander	27	0.0
Multiple race (two or more races)	953	1.1
Income and poverty		
Median household income (in 2016 dollars), 2012-2016	\$45,118	
Per capita income in past 12 months (in 2016 dollars), 2012-2016	\$23,886	
Persons in poverty		20.0

Data sources: DP05: ACS demographic and housing estimates, 2012-2016 American Community Survey 5-year estimates. QuickFacts, Huntingdon County, Pa., retrieved from <https://www.census.gov/quickfacts/table/PST045216/42061>

Newly diagnosed HIV cases and PLWH in Indiana County, Pa.

In the 2012-2016 five-year American Community Survey, the population of Indiana County was 87,491 (Table 101). Whites accounted for 94% of the total county population, while blacks/African Americans were 2.3%, Asians were 1.1% and Hispanics were 1.3%. From 2012-2016, only six cases were newly diagnosed (Table 102). These cases were all males. Cumulatively, 69 HIV cases were diagnosed in Indiana County through year-end 2016, with males accounting for 60 (87%) cases and females for nine (13%) cases. By race/ethnicity, 56 (81.2%) cases were whites and eight (11.6%) cases were blacks/African Americans. By transmission mode, MSM accounted for 42 (60.9%) cases and heterosexual contact for seven (10.1%) cases diagnosed through year-end 2016. At year-end 2016, 48 PLWH resided in Indiana County.

Table 102: The Number of Persons Diagnosed With HIV Infection by Period of Diagnosis, Sex, Race/Ethnicity, Transmission Category and Number of PLWH at Year-end 2016 in Indiana County, Pa.

Characteristics	Cumulative cases through 2011	Newly diagnosed cases 2012-2016	Cumulative cases through Dec. 31, 2016		PLWH at year-end 2016	
			Number	Percent	Number	Percent
Total	63	6	69	100	48	100
Sex						
Female	9	-	9	13.0	8	16.7
Male	54	6	60	87.0	40	83.3
Race/ethnicity						
Asian	-	-	-	-	-	-
Black/African American	8	-	8	11.6	13	27.1
Hispanic	-	-	-	-	-	-
Multiple race	-	-	-	-	-	-
American Indian/Pacific Islander	-	-	-	-	-	-
White	52	-	56	81.2	30	62.5
Transmission category						
MSM	37	-	42	60.9	24	50.0
IDU	-	-	-	-	10	20.8
MSM and IDU	-	-	-	-	-	-
Heterosexual contact	7	-	7	10.1	-	-
All pediatric mode	-	-	-	-	-	-
Other*	12	-	13	18.8	7	14.6
Age group						
0-12	-	-	-	-	-	-
13-14	-	-	-	-	-	-
15-24	-	-	6	8.7	-	-
25-34	16	-	18	26.1	-	-
35-44	23	-	23	33.3	6	12.5
45-54	10	-	12	17.4	21	43.8
55-64	7	-	8	11.6	13	27.1
>=65	-	-	-	-	-	-

Data source: Pa. HIV surveillance

*Other transmission category included unknown transmission category, hemophilia, blood transfusion, and risk not reported, or risk not identified.

Dash (-) indicates a suppressed case count of less than or equal to 5.

Jefferson County

Table 103: Selected Socio-demographic Characteristics, Jefferson County, Pa.

Selected socio-demographic characteristics	Estimate	Percent
Total population	44,575	100
Sex		
Male	22,136	49.7
Female	22,439	50.3
Race/ethnicity		
Hispanic/Latino	363	0.8
White	43,413	97.4
Black/African American	280	0.6
American Indian and Alaska Native	101	0.2
Asian	109	0.2
Native Hawaiian and other Pacific Islander	23	0.1
Multiple race (two or more races)	271	0.6
Income and poverty		
Median household income (in 2016 dollars), 2012-2016	43,913	
Per capita income in past 12 months (in 2016 dollars), 2012-2016	22,841	
Persons in poverty		13.3

Data sources: DP05: ACS demographic and housing estimates, 2012-2016 American Community Survey 5-year estimates. QuickFacts, Jefferson County, Pa., retrieved from <https://www.census.gov/quickfacts/table/PST045216/42065>

Newly diagnosed HIV cases and PLWH in Jefferson County, Pa.

In the 2012-2016 five-year American Community Survey, the population of Jefferson County was 44,575 (Table 103). Whites accounted for 97.4% of the total county population, while Hispanics were 0.8% and blacks/African Americans were 0.6%. From 2012-2016, fewer than five cases were newly diagnosed (Table 104). Cumulatively, 26 HIV cases were diagnosed in Jefferson County through year-end 2016, with males accounting for 24 (92.3%) cases. By race/ethnicity, 25 (96.2%) cases were whites. By transmission mode, MSM accounted for 13 (50%) cases, while IDU accounted for six (23.1%) cases diagnosed through year-end 2016. At year-end 2016, 31 PLWH resided in Jefferson County.

Table 104: The Number of Persons Diagnosed With HIV Infection by Period of Diagnosis, Sex, Race/Ethnicity, Transmission Category and Number of PLWH at Year-end 2016 in Jefferson County, Pa.

Characteristics	Cumulative cases through 2011	Newly diagnosed cases 2012-2016	Cumulative cases through Dec. 31, 2016		PLWH at year-end 2016	
			Number	Percent	Number	Percent
Total	25		26	100	31	100
Sex						
Female	-	-	-	-	6	19.4
Male	23	-	24	92.3	25	80.6
Race/ethnicity						
Black/African American	-	-	-	-	7	22.6
Multiple race	-	-	-	-	-	-
White	24		25	96.2	23	74.2
Transmission category						
MSM	12	-	13	50.0	17	54.8
IDU	6	-	6	23.1	-	-
MSM and IDU	-	-	-	-	-	-
Heterosexual contact	-	-	-	-	-	-
All pediatric mode	-	-	-	-	-	-
Other*	-	-	-	-	-	-
Age group						
0-12	-	-	-	-	-	-
13-14	-	-	-	-	-	-
15-24	-	-	-	-	-	-
25-34	6	-	7	26.9	-	-
35-44	8	-	8	30.8	7	22.6
45-54	-	-	-	-	10	32.3
55-64	-	-	-	-	7	22.6
>=65	-	-	-	-	-	-

Data source: Pa. HIV surveillance

*Other transmission category included unknown transmission category, hemophilia, blood transfusion, and risk not reported, or risk not identified.

Dash (-) indicates a suppressed case count of less than or equal to 5.

Juniata County

Table 105: Selected Socio-demographic Characteristics, Juniata County, Pa.

Selected socio-demographic characteristics	Estimate	Percent
Total population	24,811	100
Sex		
Male	12,3861	49.8
Female	12,450	50.2
Race/ethnicity		
Hispanic/Latino	766	3.1
White	23,581	95.0
Black/African American	234	0.9
American Indian and Alaska Native	5	0.0
Asian	117	0.5
Native Hawaiian and other Pacific Islander	0	0
Multiple race (two or more races)	106	0.4
Income and poverty		
Median household income (in 2016 dollars), 2012-2016	49,028	
Per capita income in past 12 months (in 2016 dollars), 2012-2016	23,461	
Persons in poverty		10.2

Data sources: DP05: ACS demographic and housing estimates, 2012-2016 American Community Survey 5-year estimates. QuickFacts, Juniata County, Pa., retrieved from <https://www.census.gov/quickfacts/table/PST045216/42067>

Newly diagnosed HIV cases and PLWH in Juniata County, Pa.

In the 2012-2016 five-year American Community Survey, the population of Juniata County was 24,811 (Table 105). Whites accounted for 95% of the total county, while Hispanics were 3.1% and blacks/African Americans were 0.9%. From 2012-2016, fewer than five cases were newly diagnosed (Table 106). Cumulatively, 24 HIV cases were diagnosed in Juniata County through year-end 2016, with males accounting for 18 (75%) cases and females for six (25%) cases. By race/ethnicity, 16 (66.7%) cases were whites and six (25%) cases were Hispanics. By mode of transmission, MSM accounted for 13 (54.2%) cases diagnosed through year-end 2016. At year-end 2016, 13 PLWH resided in Juniata County.

Table 106: The Number of Persons Diagnosed With HIV Infection by Period of Diagnosis, Sex, Race/Ethnicity, Transmission Category and Number of PLWH at Year-end 2016 in Juniata County, Pa.

Characteristics	Cumulative cases through 2011	Newly diagnosed cases 2012-2016	Cumulative cases through Dec. 31, 2016		PLWH at year-end 2016	
			Number	Percent	Number	Percent
Total	23	-	24	100	13	100
Sex						
Female	-	-	6	25.0	-	-
Male	18	-	18	75.0	10	76.9
Race/ethnicity						
Black/African American	-	-	-	-	-	-
Hispanic	-	-	6	25.0	-	-
White	16	-	16	66.7	11	84.6
Transmission category						
MSM	13	-	13	54.2	-	-
IDU	-	-	-	-	-	-
MSM and IDU	-	-	-	-	-	-
Heterosexual contact	-	-	-	-	-	-
All pediatric mode	-	-	-	-	-	-
Other*	-	-	-	-	-	-
Age group						
0-12	-	-	-	-	-	-
13-14	-	-	-	-	-	-
15-24	-	-	-	-	-	-
25-34	-	-	-	-	-	-
35-44	12	-	12	50.0	-	-
45-54	-	-	-	12.5	7	53.8
55-64	-	-	-	-	-	-
>=65	-	-	-	-	-	-

Data source: Pa. HIV surveillance

*Other transmission category included unknown transmission category, hemophilia, blood transfusion, and risk not reported, or risk not identified.

Dash (-) indicates a suppressed case count of less than or equal to 5.

Lackawanna County

Table 107: Selected Socio-demographic Characteristics, Lackawanna County, Pa.

Selected socio-demographic characteristics	Estimate	Percent
Total population	213,006	100
Sex		
Male	102,979	48.3
Female	110,027	51.7
Race/ethnicity		
Hispanic/Latino	13,462	6.3
White	186,142	87.4
Black/African American	5,626	2.6
American Indian and Alaska Native	185	0.1
Asian	4,797	2.3
Native Hawaiian and other Pacific Islander	22	0.0
Multiple race (two or more races)	2,614	1.2
Income and poverty		
Median household income (in 2016 dollars), 2012-2016	\$46,673	
Per capita income in past 12 months (in 2016 dollars), 2012-2016	\$26,179	
Persons in poverty		14.1

Data sources: DP05: ACS demographic and housing estimates, 2012-2016 American Community Survey 5-year estimates. QuickFacts, Lackawanna County, Pa., retrieved from <https://www.census.gov/quickfacts/table/PST045216/42069>

Newly diagnosed HIV cases and PLWH in Lackawanna County, Pa.

In the 2012-2016 five-year American Community Survey, the population of Lackawanna County was 213,006 (Table 107). Whites accounted for 87.4% of the total county population, while blacks/African Americans were 2.6%, Asians were 2.3% and Hispanics were 6.3%. From 2012-2016, 58 cases were newly diagnosed (Table 108). By sex, 16 (27.6%) cases were females and 42 (72.4%) cases were males. By race/ethnicity, 7(12.1%) cases were blacks/African American, 13 (22.4%) cases were Hispanics and 36 (62.1%) cases were whites. By mode of transmission, 29 (50%) cases were MSM, seven (12.1%) cases were IDU-related and 14 (24.1%) cases were through heterosexual contact. Cumulatively, 488 HIV cases were diagnosed in Lackawanna County through year-end 2016, with males accounting for 364 (74.6%) of the cases and females, 124 (25.4%) cases. By race/ethnicity, whites were 298 (61.1%) cases, blacks/African Americans were 81 (16.6%) cases and Hispanics were 75 (15.4%) cases. By transmission mode, MSM accounted for 175 (35.9%) cases, IDU for 121 (24.8%) cases, heterosexual contact for 100 (20.5%) cases, and MSM and IDU for 24 (4.9%) cases diagnosed through year-end 2016. At year-end 2016, 427 PLWH resided in Lackawanna County.

Table 108: The Number of Persons Diagnosed With HIV Infection by Period of Diagnosis, Sex, Race/Ethnicity, Transmission Category and Number of PLWH at Year-end 2016 in Lackawanna County, Pa.

Characteristics	Cumulative cases through 2011	Newly diagnosed cases 2012-2016	Cumulative cases through Dec. 31, 2016		PLWH at year-end 2016	
			Number	Percent	Number	Percent
Total	430	58	488	100	427	100
Sex						
Female	108	16	124	25.4	126	29.5
Male	322	42	364	74.6	301	70.5
Race/ethnicity						
Asian	-	-	-	-	-	-
Black/African American	74	7	81	16.6	85	19.9
Hispanic	62	13	75	15.4	81	19.0
Multiple race	27	1	28	5.7	20	4.7
American Indian	-	-	-	-	-	-
Native Hawaiian	-	-	-	-	-	-
White	262	36	298	61.1	238	55.7
Transmission category						
MSM	146	29	175	35.9	161	37.7
IDU	114	7	121	24.8	80	18.7
MSM and IDU	24	-	24	4.9	18	4.2
Heterosexual contact	86	14	100	20.5	112	26.2
All pediatric mode	8	-	8	1.6	10	2.3
Other*	52	8	60	12.3	46	10.8
Age group						
0-12	7	-	7	1.4	-	-
13-14	-	-	-	-	-	-
15-24	50	8	58	11.9	13	3.0
25-34	122	19	141	28.9	44	10.3
35-44	152	12	164	33.6	72	16.9
45-54	75	12	87	17.8	139	32.6
55-64	19	6	25	5.1	119	27.9
>=65	-	-	-	1.0	39	9.1

Data source: Pa. HIV surveillance

*Other transmission category included unknown transmission category, hemophilia, blood transfusion, and risk not reported, or risk not identified.

Dash (-) indicates a suppressed case count of less than or equal to 5.

Lancaster County

Table 109: Selected Socio-demographic Characteristics, Lancaster County, Pa.

Selected socio-demographic characteristics	Estimate	Percent
Total population	533,110	100
Sex		
Male	260,976	49.0
Female	272,134	51.0
Race/ethnicity		
Hispanic/Latino	52,083	9.8
White	443,295	83.2
Black/African American	18,835	3.5
American Indian and Alaska Native	584	0.1
Asian	10,886	2.0
Native Hawaiian and other Pacific Islander	24	0.0
Multiple race (two or more races)	6,987	1.3
Income and poverty		
Median household income (in 2016 dollars), 2012-2016	\$59,237	
Per capita income in past 12 months (in 2016 dollars), 2012-2016	\$28,152	
Persons in poverty		10.7

Data sources: DP05: ACS demographic and housing estimates, 2012-2016 American Community Survey 5-year estimates. QuickFacts, Lancaster County, Pa., retrieved from <https://www.census.gov/quickfacts/table/PST045216/42071>

Newly diagnosed HIV cases and PLWH in Lancaster County, Pa.

In the 2012-2016 five-year American Community Survey, the population of Lancaster County was 533,110 (Table 109). Whites accounted for 83.2% of the total county population, while blacks/African Americans were 3.5% and Asians and Hispanics were 2% and 9.8%, respectively. From 2012-2016, 158 cases were newly diagnosed (Table 110). By sex, 32 (20.3%) cases were females and 126 (79.7%) cases were males. By race/ethnicity, nine (5.7%) cases were Asians, 39 (24.7%) cases were blacks/African Americans, 34 (21.5%) cases were Hispanics, 67 (42.4%) cases were whites and nine (5.7%) were of multiple race. By mode of transmission, 78 (49.4%) cases were MSM, 13 (8.2%) cases were IDU-related, 20 (12.7%) cases were through heterosexual contact and seven (4.4%) were MSM and IDU. Cumulatively, 1,438 HIV cases were diagnosed in Lancaster County through to year-end of 2016, with males accounting for 1,019 (70.9%) cases and females for 419 (29.1%) cases. By race, Hispanics accounted for 456 (31.7%) cases, while whites were 640 (44.5%) cases, blacks/African Americans were 277 (19.3%) cases and Asians were 11 (0.8%) cases diagnosed through year-end 2016. By transmission mode, MSM accounted for 462 (32.1%) cases, while IDU accounted for 373 (25.9%) and heterosexual contact for 264 (18.4%) cases diagnosed through year-end 2016. At year-end 2016, 945 PLWH resided in Lancaster County.

Table 110: The Number of Persons Diagnosed With HIV Infection by Period of Diagnosis, Sex, Race/Ethnicity, Transmission Category and Number of PLWH at Year-end 2016 in Lancaster County, Pa.

Characteristics	Cumulative cases through 2011	Newly diagnosed cases 2012-2016	Cumulative cases through Dec. 31, 2016		PLWH at year-end 2016	
			Number	Percent	Number	Percent
Total	1,280	158	1,438	100	945	100
Sex						
Female	387	32	419	29.1	313	33.1
Male	893	126	1019	70.9	632	66.9
Race/ethnicity						
Asian	-	9	11	0.8	10	1.1
Black/African American	238	39	277	19.3	187	19.8
Hispanic	422	34	456	31.7	305	32.3
Multiple race	45	9	54	3.8	44	4.7
White	573	67	640	44.5	399	42.2
Transmission category						
MSM	384	78	462	32.1	330	34.9
IDU	360	13	373	25.9	182	19.3
MSM and IDU	45	7	52	3.6	32	3.4
Heterosexual contact	244	20	264	18.4	192	20.3
All pediatric mode	36	-	41	2.9	21	2.2
Other*	211	35	246	17.1	188	19.9
Age group						
0-12	36	-	40	2.8	6	0.6
13-14	-	-	8	0.6	-	-
15-24	156	27	183	12.7	27	2.9
25-34	441	44	485	33.7	95	10.1
35-44	403	41	444	30.9	158	16.7
45-54	172	22	194	13.5	342	36.2
55-64	51	13	64	4.5	236	25.0
>=65	17	-	20	1.4	78	8.3

Data source: Pa. HIV surveillance

*Other transmission category included unknown transmission category, hemophilia, blood transfusion, and risk not reported, or risk not identified.

Dash (-) indicates a suppressed case count of less than or equal to 5.

Lawrence County

Table 111: Selected Socio-demographic Characteristics, Lawrence County, Pa.

Selected socio-demographic characteristics	Estimate	Percent
Total population	88,528	100
Sex		
Male	442,843	48.4
Female	45,685	51.6
Race/ethnicity		
Hispanic/Latino	1,103	1.2
White	81,656	92.2
Black/African American	3,329	3.8
American Indian and Alaska Native	40	0.0
Asian	407	0.5
Native Hawaiian and other Pacific Islander	0	0.0
Multiple race (two or more races)	1,643	1.9
Income and poverty		
Median household income (in 2016 dollars), 2012-2016	\$45,764	
Per capita income in past 12 months (in 2016 dollars), 2012-2016	\$25,614	
Persons in poverty		13.7

Data sources: DP05: ACS demographic and housing estimates, 2012-2016 American Community Survey 5-year estimates. QuickFacts, Lawrence County, Pa., retrieved from <https://www.census.gov/quickfacts/table/PST045216/42073>

Newly diagnosed HIV cases and PLWH in Lawrence County, Pa.

In the 2012-2016 five-year American Community Survey, the population of Lawrence County was 88,528 (Table 111). Whites accounted for 92.2% of the total county population, while blacks/African Americans were 3.8% and Hispanics were 1.2%. From 2012-2016, 13 cases were newly diagnosed (Table 112). By sex, 10 (76.9%) cases were males. By race/ethnicity, 10 (76.9%) cases were whites. By mode of transmission, seven (53.8%) cases were MSM. Cumulatively, 101 HIV cases were diagnosed in Lawrence County through year-end 2016, with males accounting for 82 (81.2%) cases and females for 19 (18.8%) cases. By race/ethnicity, 73 (72.3%) cases were white and 17 (16.8%) were blacks/African Americans. By transmission mode, MSM accounted for 52 (51.5%) cases, IDU for nine (8.9%) cases and heterosexual contact for 21 (20.8%) cases diagnosed through year-end 2016. At year-end 2016, 59 PLWH resided in Lawrence County.

Table 112: The Number of Persons Diagnosed With HIV Infection by Period of Diagnosis, Sex, Race/Ethnicity, Transmission Category and Number of PLWH at Year-end 2016 in Lawrence County, Pa.

Characteristics	Cumulative cases through 2011	Newly diagnosed cases 2012-2016	Cumulative cases through Dec. 31, 2016		PLWH at year-end 2016	
			Number	Percent	Number	Percent
Total	88	13	101	100	59	100
Sex						
Female	16	-	19	18.8	13	22.0
Male	72	10	82	81.2	46	78.0
Race/ethnicity						
Asian	-	-	-	-	-	-
Black/African American	16	-	17	16.8	12	20.3
Hispanic	-	-	-	-	-	-
Multiple race	-	-	6	5.9	-	-
White	63	10	73	72.3	38	64.4
Transmission category						
MSM	45	7	52	51.5	30	50.8
IDU	9	-	9	8.9	-	-
MSM and IDU	-	-	-	-	-	-
Heterosexual contact	17	-	21	20.8	15	25.4
All pediatric mode	-	-	-	-	-	-
Other*	14	-	16	15.8	7	11.9
Age group						
0-12	-	-	-	-	-	-
13-14	-	-	-	-	-	-
15-24	8	7	15	14.9	-	-
25-34	26	-	28	27.7	6	10.2
35-44	30	-	32	31.7	8	13.6
45-54	15	-	17	16.8	20	33.9
55-64	-	-	-	-	18	30.5
>=65	-	-	-	-	-	-

Data source: Pa. HIV surveillance

*Other transmission category included unknown transmission category, hemophilia, blood transfusion, and risk not reported, or risk not identified.

Dash (-) indicates a suppressed case count of less than or equal to 5.

Lebanon County

Table 113: Selected Socio-demographic Characteristics, Lebanon County, Pa.

Selected socio-demographic characteristics	Estimate	Percent
Total population	136,950	100
Sex		
Male	66,914	48.9
Female	70,036	51.1
Race/ethnicity		
Hispanic/Latino	16,007	11.7
White	115,065	84.0
Black/African American	2,434	1.8
American Indian and Alaska Native	96	0.1
Asian	1,639	1.2
Native Hawaiian and other Pacific Islander	0	0.0
Multiple race (two or more races)	1,656	1.2
Income and poverty		
Median household income (in 2016 dollars), 2012-2016	\$56,191	
Per capita income in past 12 months (in 2016 dollars), 2012-2016	\$27,051	
Persons in poverty		9.9

Data sources: DP05: ACS demographic and housing estimates, 2012-2016 American Community Survey 5-year estimates. QuickFacts, Lebanon County, Pa., retrieved from <https://www.census.gov/quickfacts/table/PST045216/42075>

Newly diagnosed HIV cases and PLWH in Lebanon County, Pa.

In the 2012-2016 five-year American Community Survey, the population of Lebanon County was 136,950 (Table 113). Whites accounted for 84% of the total county population, while blacks/African Americans were 1.8% and Hispanics were 11.7%. From 2012-2016, 36 cases were newly diagnosed (Table 114). By sex, seven (19.4%) cases were females and 29 (80.6%) cases were males. By race/ethnicity, 17 (47.2%) cases were Hispanics and 15 (41.7%) cases were whites. By mode of transmission, 18 (50%) cases were MSM. Cumulatively, 249 HIV cases were diagnosed through year-end 2016, with males accounting for 174 (69.9%) cases and females for 75 (30.1%) cases. By race/ethnicity, 134 (53.8%) cases were whites, 93 (37.3%) cases were Hispanics and 17 (6.8%) cases were blacks/African Americans. By transmission mode, MSM accounted for 86 (34.5%) cases, IDU for 54 (21.7%) cases and heterosexual contact for 65 (26.1%) cases diagnosed through year-end 2016. At year-end 2016, 264 PLWH resided in Lebanon County.

Table 114: The Number of Persons Diagnosed With HIV Infection by Period of Diagnosis, Sex, Race/Ethnicity, Transmission Category and Number of PLWH at Year-end 2016 in Lebanon County, Pa.

Characteristics	Cumulative cases through 2011	Newly diagnosed cases 2012-2016	Cumulative cases through Dec. 31, 2016		PLWH at year-end 2016	
			Number	Percent	Number	Percent
Total	213	36	249	100	264	100
Sex						
Female	68	7	75	30.1	66	25.0
Male	145	29	174	69.9	198	75.0
Race/ethnicity						
Asian	-	-	-	-	-	-
Black/African American	14	-	17	6.8	47	17.8
Hispanic	76	17	93	37.3	103	39.0
Multiple race	-	-	-	-	10	3.8
White	119	15	134	53.8	102	38.6
Transmission category						
MSM	68	18	86	34.5	96	36.4
IDU	53	-	54	21.7	52	19.7
MSM and IDU	14	-	15	6.0	16	6.1
Heterosexual contact	61	-	65	26.1	75	28.4
All pediatric mode	-	-	6	2.4	-	-
Other*	13	10	23	9.2	21	8.0
Age group						
0-12	-	-	-	-	-	-
13-14	-	-	-	-	-	-
15-24	31	-	36	14.5	7	2.7
25-34	66	8	74	29.7	18	6.8
35-44	72	9	81	32.5	35	13.3
45-54	30	8	38	15.3	88	33.3
55-64	7	-	10	4.0	82	31.1
>=65	-	-	-	-	32	12.1

Data source: Pa. HIV surveillance

*Other transmission category included unknown transmission category, hemophilia, blood transfusion, and risk not reported, or risk not identified.

Dash (-) indicates a suppressed case count of less than or equal to 5.

Lehigh County

Table 115: Selected Socio-demographic Characteristics, Lehigh County, Pa.

Selected socio-demographic characteristics	Estimate	Percent
Total population	358,792	100
Sex		
Male	174,829	48.7
Female	183,963	51.3
Race/ethnicity		
Hispanic/Latino	78,318	21.8
White	242,465	67.6
Black/African American	18,937	5.3
American Indian and Alaska Native	361	0.1
Asian	11,518	3.2
Native Hawaiian and other Pacific Islander	8	0.0
Multiple race (two or more races)	6,323	1.8
Income and poverty		
Median household income (in 2016 dollars), 2012-2016	\$57,685	
Per capita income in past 12 months (in 2016 dollars), 2012-2016	\$29,587	
Persons in poverty		13.8

Data sources: DP05: ACS demographic and housing estimates, 2012-2016 American Community Survey 5-year estimates. QuickFacts, Lehigh County, Pa., retrieved from <https://www.census.gov/quickfacts/table/PST045216/42077>

Newly diagnosed HIV cases and PLWH in Lehigh County, Pa.

In the 2012-2016 five-year American Community Survey, the population of Lehigh County was 358,792 (Table 115). Whites accounted for 67.6% of the total county population, while blacks/African Americans were 5.3%, Asians were 3.2% and Hispanics were 21.8%. From 2012-2016, 189 cases were newly diagnosed (Table 116). By sex, 65 (34.4%) cases were females and 124 (65.6%) cases were males. By race/ethnicity, 60 (31.7%) cases were blacks/African Americans, 69 (36.5%) cases were Hispanics and 54 (28.6%) cases were whites. By mode of transmission, 56 (29.6%) cases were MSM, 13 (6.9%) cases were IDU-related, 43 (22.8%) cases were through heterosexual contact, and 10 (5.3%) were MSM and IDU. Cumulatively, 1,584 HIV cases were diagnosed in Lehigh County through year-end 2016, with males accounting for 1,053 (66.5%) cases and females 531 (33.5%) cases. By race/ethnicity, Hispanics accounted for 674 (42.6%) cases, whites for 541 (34.2%) cases and blacks/African Americans for 316 (19.9%) cases diagnosed through year-end 2016. By transmission mode, MSM accounted for 407 (25.7%) cases, IDU for 436 (27.5%) cases, heterosexual contact for 411 (25.9%) cases, and MSM and IDU for 58 (3.7%) cases diagnosed through year-end 2016. At year-end 2016, 1,195 PLWH resided in Lehigh County.

Table 116: The Number of Persons Diagnosed With HIV Infection by Period of Diagnosis, Sex, Race/Ethnicity, Transmission Category and Number of PLWH at Year-end 2016 in Lehigh County, Pa.

Characteristics	Cumulative cases through 2011	Newly diagnosed cases 2012-2016	Cumulative cases through Dec. 31, 2016		PLWH at year-end 2016	
			Number	Percent	Number	Percent
Total	1,395	189	1,584	100	1,195	100
Sex						
Female	466	65	531	33.5	437	36.6
Male	929	124	1,053	66.5	758	63.4
Race/ethnicity						
Asian	-	-	7	0.4	8	0.7
Black/African American	256	60	316	19.9	277	23.2
Hispanic	605	69	674	42.6	540	45.2
Multiple race	43	-	45	2.8	38	3.2
American Indian	-	-	-	-	-	-
White	487	54	541	34.2	331	27.7
Transmission category						
MSM	351	56	407	25.7	306	25.6
IDU	423	13	436	27.5	290	24.3
MSM and IDU	48	10	58	3.7	44	3.7
Heterosexual contact	368	43	411	25.9	340	28.5
All pediatric mode	23	-	23	1.5	17	1.4
Other*	182	67	249	15.7	198	16.6
Age group						
0-12	22	-	22	1.4	-	-
13-14	-	-	-	-	-	-
15-24	151	23	174	11.0	27	2.3
25-34	446	44	490	30.9	119	10.0
35-44	481	52	533	33.6	202	16.9
45-54	207	40	247	15.6	413	34.6
55-64	64	23	87	5.5	315	26.4
>=65	20	7	27	1.7	117	9.8

Data source: Pa. HIV surveillance

*Other transmission category included unknown transmission category, hemophilia, blood transfusion, and risk not reported, or risk not identified.

Dash (-) indicates a suppressed case count of less than or equal to 5.

Luzerne County

Table 117: Selected Socio-demographic Characteristics, Luzerne County, Pa.

Selected socio-demographic characteristics	Estimate	Percent
Total population	318,917	100
Sex		
Male	157,130	49.3
Female	161,787	50.7
Race/ethnicity		
Hispanic/Latino	29,797	9.3
White	270,608	84.9
Black/African American	10,589	3.3
American Indian and Alaska Native	380	0.1
Asian	3,462	1.1
Native Hawaiian and other Pacific Islander	68	0.0
Multiple race (two or more races)	3,912	1.2
Income and poverty		
Median household income (in 2016 dollars), 2012-2016	\$46,577	
Per capita income in past 12 months (in 2016 dollars), 2012-2016	\$25,899	
Persons in poverty		14.6

Data sources: DP05: ACS demographic and housing estimates, 2012-2016 American Community Survey 5-year estimates. QuickFacts, Luzerne County, Pa., retrieved from <https://www.census.gov/quickfacts/table/PST045216/42079>

Newly diagnosed HIV cases and PLWH in Luzerne County, Pa.

In the 2012-2016 five-year American Community Survey, the population of Luzerne County was 318,917 (Table 117). Whites accounted for 84.9% of the total county population, while blacks/African Americans were 3.3%, Asians were 1.1% and Hispanics were 9.3%. From 2012-2016, 95 cases were newly diagnosed (Table 118). By sex, 28 (29.5%) cases were females and 67 (70.5%) cases were males. By race/ethnicity, 24 (25.3%) cases were blacks/African Americans, 22 (23.2%) cases were Hispanics and 46 (48.4%) cases were whites. By mode of transmission, 46 (48.4%) cases were MSM, 10 (10.5%) were IDU-related and 31 (32.6%) were through heterosexual contact. Cumulatively, 629 HIV cases were diagnosed in Luzerne County through year-end 2016, with males accounting for 483 (76.8%) cases and females for 146 (23.2%) cases. By race/ethnicity, 359 (57.1%) cases were whites, 150 (23.8%) cases were blacks/African Americans, 98 (15.6%) cases were Hispanics and 21 (3.3%) cases were of multiple race, diagnosed through year-end 2016. By transmission mode, MSM accounted for 216 (34.3%) cases while IDU accounted for 157 (25%) cases, heterosexual contact for 142 (22.6%), and MSM and IDU for 33 (5.2%) cases diagnosed through year-end 2016. At year-end 2016, 533 PLWH resided in Luzerne County.

Table 118: The Number of Persons Diagnosed With HIV Infection by Period of Diagnosis, Sex, Race/Ethnicity, Transmission Category and Number of PLWH at Year-end 2016 in Luzerne County, Pa.

Characteristics	Cumulative cases through 2011	Newly diagnosed cases 2012-2016	Cumulative cases through Dec. 31, 2016		PLWH at year-end 2016	
			Number	Percent	Number	Percent
Total	534	95	629	100	533	100
Sex						
Female	118	28	146	23.2	168	31.5
Male	416	67	483	76.8	365	68.5
Race/ethnicity						
Asian	-	-	-	-	-	-
Black/African American	126	24	150	23.8	139	26.1
Hispanic	76	22	98	15.6	102	19.1
Multiple race	18	-	21	3.3	21	3.9
White	313	46	359	57.1	269	50.5
Transmission category						
MSM	170	46	216	34.3	184	34.5
IDU	147	10	157	25.0	100	18.8
MSM and IDU	31	-	33	5.2	23	4.3
Heterosexual contact	111	31	142	22.6	155	29.1
All pediatric mode	10	-	11	1.7	12	2.3
Other*	65	-	70	11.1	59	11.1
Age group						
0-12	9	-	10	1.6	-	-
13-14	-	-	-	-	-	-
15-24	59	15	74	11.8	22	4.1
25-34	161	25	186	29.6	74	13.9
35-44	178	21	199	31.6	114	21.4
45-54	91	15	106	16.9	162	30.4
55-64	23	15	38	6.0	124	23.3
>=65	11	-	14	2.2	35	6.6

Data source: Pa. HIV surveillance

*Other transmission category included unknown transmission category, hemophilia, blood transfusion, and risk not reported, or risk not identified.

Dash (-) indicates a suppressed case count of less than or equal to 5.

Lycoming County

Table 119: Selected Socio-demographic Characteristics, Lycoming County, Pa.

Selected socio-demographic characteristics	Estimate	Percent
Total population	116,313	100
Sex		
Male	57,104	49.1
Female	59,209	50.9
Race/ethnicity		
Hispanic/Latino	2,075	1.8
White	105,644	90.8
Black/African American	5,483	4.7
American Indian and Alaska Native	179	0.2
Asian	778	0.7
Native Hawaiian and other Pacific Islander	2	0.0
Multiple race (two or more races)	1,815	1.6
Income and Poverty		
Median household income (in 2016 dollars), 2012-2016	\$48,731	
Per capita income in past 12 months (in 2016 dollars), 2012-2016	\$24,855	
Persons in poverty		14.6

Data sources: DP05: ACS demographic and housing estimates, 2012-2016 American Community Survey 5-year estimates. QuickFacts, Lycoming County, Pa., retrieved from <https://www.census.gov/quickfacts/table/PST045216/42081>

Newly diagnosed HIV cases and PLWH in Lycoming County, Pa.

In the 2012-2016 five-year American Community Survey, the population of Lycoming County was 116,313 (Table 119). Whites accounted for 90.8% of the total county population, while blacks/African Americans were 4.7% and Hispanics 1.8%. From 2012-2016, 25 cases were newly diagnosed (Table 120). By sex, seven (28%) cases were females and 18 (72%) cases were males. By race/ethnicity, 11 (44%) cases were blacks/African Americans and 11 (44%) cases were whites. By mode of transmission, 13 (52%) cases were MSM. Cumulatively, 405 HIV cases were diagnosed in Lycoming County through year-end of 2016, with males accounting for 228 (56.3%) cases and females for 177 (43.7%) cases. By race/ethnicity, blacks/African Americans accounted for 188 (46.4%) cases diagnosed through year-end 2016, while whites were 171 (42.2%) cases and Hispanics were 32 (7.9%) cases. By transmission mode, IDU accounted for 177 (43.7%) of the total cases diagnosed through year-end 2016 compared to 95 (23.5%) MSM cases and 70 (17.3%) heterosexual contact cases. At year-end 2016, 317 PLWH resided in Lycoming County.

Table 120: The Number of Persons Diagnosed With HIV Infection by Period of Diagnosis, Sex, Race/Ethnicity, Transmission Category and Number of PLWH at Year-end 2016 in Lycoming County, Pa.

Characteristics	Cumulative cases through 2011	Newly diagnosed cases 2012-2016	Cumulative cases through Dec. 31, 2016		PLWH at year-end 2016	
			Number	Percent	Number	Percent
Total	380	25	405	100	317	100
Sex						
Female	170	7	177	43.7	109	34.4
Male	210	18	228	56.3	208	65.6
Race/ethnicity						
Asian	-	-	-	-	-	-
Black/African American	177	11	188	46.4	131	41.3
Hispanic	30	-	32	7.9	31	9.8
Multiple race	13	-	14	3.5	20	6.3
White	160	11	171	42.2	133	42.0
Transmission category						
MSM	82	13	95	23.5	91	28.7
IDU	175	-	177	43.7	103	32.5
MSM and IDU	25	-	25	6.2	21	6.6
Heterosexual contact	68	-	70	17.3	61	19.2
All pediatric mode	-	-	-	-	-	-
Other*	28	8	36	8.9	38	12.0
Age group						
0-12	-	-	-	-	-	-
13-14	-	-	-	-	-	-
15-24	43	7	50	12.3	6	1.9
25-34	119	6	125	30.9	24	7.6
35-44	139	6	145	35.8	57	18.0
45-54	55	-	58	14.3	113	35.6
55-64	17	-	19	4.7	91	28.7
>=65	-	-	6	1.5	25	7.9

Data source: Pa. HIV surveillance

*Other transmission category included unknown transmission category, hemophilia, blood transfusion, and risk not reported, or risk not identified.

Dash (-) indicates a suppressed case count of less than or equal to 5.

McKean County

Table 121: Selected Socio-demographic Characteristics, McKean County, Pa.

Selected socio-demographic characteristics	Estimate	Percent
Total population	42,609	100
Sex		
Male	22,024	51.7
Female	20,585	48.3
Race/ethnicity		
Hispanic/Latino	887	2.1
White	39,872	93.6
Black/African American	1,026	2.4
American Indian and Alaska Native	50	0.1
Asian	210	0.5
Native Hawaiian and other Pacific Islander	19	0.0
Multiple race (two or more races)	529	1.2
Income and poverty		
Median household income (in 2016 dollars), 2012-2016	\$44,023	
Per capita income in past 12 months (in 2016 dollars), 2012-2016	\$24,303	
Persons in poverty		17.4

Data sources: DP05: ACS demographic and housing estimates, 2012-2016 American Community Survey 5-year estimates. QuickFacts, McKean County, Pa., retrieved from <https://www.census.gov/quickfacts/table/PST045216/42083>

Newly diagnosed HIV cases and PLWH in McKean County, Pa.

In the 2012-2016 five-year American Community Survey, the population of McKean County was 42,609 (Table 121). Whites accounted for 93.6% of the total county population, while blacks/African Americans were 2.4% and Hispanics 2.1%. From 2012-2016, only six cases were newly diagnosed (Table 122). Cumulatively, 51 HIV cases were diagnosed in McKean County through year-end 2016, with males accounting for 43 (84.3%) cases and females for eight (15.7%) cases. By race/ethnicity, whites accounted for 29 (56.9%) cases, while blacks/African Americans were 13 (25.5%) cases and Hispanics were 8 (15.7%) cases. By transmission mode, IDU accounted for 19 (37.3%) cases, while MSM accounted for 16 (31.4%) cases and heterosexual contact for nine (17.6%) cases diagnosed through year-end 2016. At year-end 2016, 30 PLWH resided in McKean County.

Table 122: The Number of Persons Diagnosed With HIV Infection by Period of Diagnosis, Sex, Race/Ethnicity, Transmission Category and Number of PLWH at Year-end 2016 in McKean County, Pa.

Characteristics	Cumulative cases through 2011	Newly diagnosed cases 2012-2016	Cumulative cases through Dec. 31, 2016		PLWH at year-end 2016	
			Number	Percent	Number	Percent
Total	45	6	51	100	30	100
Sex						
Female	7	-	8	15.7	-	-
Male	38	-	43	84.3	25	83.3
Race/ethnicity						
Asian	-	-	-	-	-	-
Black/African American	12	-	13	25.5	9	30.0
Hispanic	7	-	8	15.7	-	-
White	25	-	29	56.9	16	53.3
Transmission category						
MSM	13	-	16	31.4	13	43.3
IDU	17	-	19	37.3	9	30.0
MSM and IDU	-	-	-	-	-	-
Heterosexual contact	8	-	9	17.6	-	-
All pediatric mode	-	-	-	-	-	-
Other*	-	-	-	-	-	-
Age group						
0-12						
13-14						
15-24	-	-	6	11.8	-	-
25-34	12	-	14	27.5	-	-
35-44	21	-	23	45.1	6	20.0
45-54	6	-	6	11.8	10	33.3
55-64	-	-	-	-	8	26.7
>=65	-	-	-	-	-	-

Data source: Pa. HIV surveillance

*Other transmission category included unknown transmission category, hemophilia, blood transfusion, and risk not reported, or risk not identified.

Dash (-) indicates a suppressed case count of less than or equal to 5.

Mercer County

Table 123: Selected Socio-demographic Characteristics, Mercer County, Pa.

Selected socio-demographic characteristics	Estimate	Percent
Total population	114,598	100
Sex		
Male	56,473	49.3
Female	58,125	50.7
Race/ethnicity		
Hispanic/Latino	1,514	1.3
White	103,682	90.5
Black/African American	6,484	5.7
American Indian and Alaska Native	80	0.1
Asian	766	0.7
Native Hawaiian and other Pacific Islander	3	0.0
Multiple race (two or more races)	1,911	1.7
Income and poverty		
Median household income (in 2016 dollars), 2012-2016	\$45,831	
Per capita income in past 12 months (in 2016 dollars), 2012-2016	\$24,399	
Persons in poverty		16.1

Data sources: DP05: ACS demographic and housing estimates, 2012-2016 American Community Survey 5-year estimates. QuickFacts, Mercer County, Pa., retrieved from <https://www.census.gov/quickfacts/table/PST045216/42085>

Newly diagnosed HIV cases and PLWH in Mercer County, Pa.

In the 2012-2016 five-year American Community Survey, the population of Mercer County was 114,598 (Table 123). Whites accounted for 90.5% of the total county population, while blacks/African Americans were 5.7% and Hispanics were 1.3%. From 2012-2016, 15 cases were newly diagnosed (Table 124). By sex, 14 (93.3%) cases were males. By race/ethnicity, eight (53.3%) cases were blacks/African Americans. By mode of transmission, 12 (80%) cases were MSM. Cumulatively, 133 HIV cases were diagnosed in Mercer County through year-end 2016, with males accounting for 113 (85%) cases and females for 20 (15%) cases. By race/ethnicity, 80 cases were whites, 37 (27.8%) cases were blacks/African Americans and seven (5.3%) cases were Hispanics. By transmission category, MSM accounted for 69 (51.9%) cases, IDU for 18 (13.5%) cases and heterosexual contact for 23 (17.3%) cases diagnosed through year-end 2016. At year-end 2016, 109 PLWH resided in Mercer County.

Table 124: The Number of Persons Diagnosed With HIV Infection by Period of Diagnosis, Sex, Race/Ethnicity, Transmission Category and Number of PLWH at Year-end 2016 in Mercer County, Pa.

Characteristics	Cumulative cases through 2011	Newly diagnosed cases 2012-2016	Cumulative cases through Dec. 31, 2016		PLWH at year-end 2016	
			Number	Percent	Number	Percent
Total	118	15	133	100	109	100
Sex						
Female	19	-	20	15.0	27	24.8
Male	99	14	113	85.0	82	75.2
Race/ethnicity						
Black/African American	29	8	37	27.8	32	29.4
Hispanic	7	-	7	5.3	9	8.3
Multiple race	7	-	9	6.8	8	7.3
White	75	-	80	60.2	60	55.0
Transmission category						
MSM	57	12	69	51.9	53	48.6
IDU	17	-	18	13.5	9	8.3
MSM and IDU	-	-	-	-	-	-
Heterosexual contact	21	-	23	17.3	25	22.9
All pediatric mode	-	-	-	-	-	-
Other*	18	-	18	13.5	16	14.7
Age group						
0-12	-	-	-	-	-	-
13-14	-	-	-	-	-	-
15-24	9	8	17	12.8	7	6.4
25-34	33	-	38	28.6	12	11.0
35-44	47	-	47	35.3	17	15.6
45-54	22	-	23	17.3	38	34.9
55-64	-	-	-	-	24	22.0
>=65	-	-	-	-	10	9.2

Data source: Pa. HIV surveillance

*Other transmission category included unknown transmission category, hemophilia, blood transfusion, and risk not reported, or risk not identified.

Dash (-) indicates a suppressed case count of less than or equal to 5.

Mifflin County

Table 125: Selected Socio-demographic Characteristics, Mifflin County, Pa.

Selected socio-demographic characteristics	Estimate	Percent
Total population	46,585	100
Sex		
Male	22,871	49.1
Female	23,714	50.9
Race/ethnicity		
Hispanic/Latino	633	1.4
White	44,864	96.3
Black/African American	295	0.6
American Indian and Alaska Native	25	0.1
Asian	235	0.5
Native Hawaiian and other Pacific Islander	15	0.0
Multiple race (two or more races)	503	1.1
Income and poverty		
Median household income (in 2016 dollars), 2012-2016	\$42,019	
Per capita income in past 12 months (in 2016 dollars), 2012-2016	\$21,665	
Persons in poverty		14.7

Data sources: DP05: ACS demographic and housing estimates, 2012-2016 American Community Survey 5-year estimates. QuickFacts, Mifflin County, Pa., retrieved from <https://www.census.gov/quickfacts/table/PST045216/42087>

Newly diagnosed HIV cases and PLWH in Mifflin County, Pa.

In the 2012-2016 five-year American Community Survey, the population of Mifflin County was 46,585 (Table 125). Whites accounted for 96.3% of the total county population. From 2012-2016, fewer than five cases were newly diagnosed (Table 126). Cumulatively, 36 HIV cases were diagnosed in Mifflin County through year-end of 2016, with males accounting for 29 (80.6%) cases and females for seven (19.4%) cases. By race/ethnicity whites accounted for 30 (83.3%) cases. By transmission mode, MSM were 17 (47.2%) cases, while IDU and heterosexual contact were six (16.7%) cases each. At year-end 2016, 25 PLWH resided in Mifflin County.

Table 126: The Number of Persons Diagnosed With HIV Infection by Period of Diagnosis, Sex, Race/Ethnicity, Transmission Category and Number of PLWH at Year-end 2016 in Mifflin County, Pa.

Characteristics	Cumulative cases through 2011	Newly diagnosed cases 2012-2016	Cumulative cases through Dec. 31, 2016		PLWH at year-end 2016	
			Number	Percent	Number	Percent
Total	33	-	36	100	25	100
Sex						
Female	7	-	7	19.4	7	28.0
Male	26	-	29	80.6	18	72.0
Race/ethnicity						
Black/African American	-	-	-	-	-	-
Hispanic	-	-	-	-	-	-
White	27	-	30	83.3	19	76.0
Transmission category						
MSM	16	-	17	47.2	10	40.0
IDU	-	-	6	16.7	-	-
MSM and IDU	-	-	-	-	-	-
Heterosexual contact	6	-	6	16.7	7	28.0
All pediatric mode	-	-	-	-	-	-
Other*	-	-	-	-	-	-
Age group						
0-12	-	-	-	-	-	-
13-14	-	-	-	-	-	-
15-24	-	-	-	-	-	-
25-34	14	-	15	41.7	-	-
35-44	11	-	13	36.1	6	24.0
45-54	-	-	-	-	-	-
55-64	-	-	-	-	9	36.0
>=65	-	-	-	-	-	-

Data source: Pa. HIV surveillance

*Other transmission category included unknown transmission category, hemophilia, blood transfusion, and risk not reported, or risk not identified.

Dash (-) indicates a suppressed case count of less than or equal to 5.

Monroe County

Table 127: Selected Socio-demographic Characteristics, Monroe County, Pa.

Selected socio-demographic characteristics	Estimate	Percent
Total population	167,126	100
Sex		
Male	82,532	49.4
Female	84,594	50.6
Race/ethnicity		
Hispanic/Latino	24,474	14.6
White	113,840	68.1
Black/African American	21,363	12.8
American Indian and Alaska Native	420	0.3
Asian	3,452	2.1
Native Hawaiian and other Pacific Islander	18	0.0
Multiple race (two or more races)	3,243	1.9
Income and poverty		
Median household income (in 2016 dollars), 2012-2016	\$58,980	
Per capita income in past 12 months (in 2016 dollars), 2012-2016	\$26,128	
Persons in poverty		12.0

Data sources: DP05: ACS demographic and housing estimates, 2012-2016 American Community Survey 5-year estimates. QuickFacts, Monroe County, Pa., retrieved from <https://www.census.gov/quickfacts/table/PST045216/42089>

Newly diagnosed HIV cases and PLWH in Monroe County, Pa.

In the 2012-2016 five-year American Community Survey, the population of Monroe County was 167,126 (Table 127). Whites accounted for 68.1% of the total county population, while blacks/African Americans were 12.8%, Asians were 2.1% and Hispanics were 14.6%. From 2012-2016, 61 cases were newly diagnosed (Table 128). By sex, 15 (24.6%) cases were females and 46 (75.4%) cases were males. By race/ethnicity, 24 (39.3%) cases were blacks/African Americans, 14 (23%) were Hispanics and 19 (31.1%) cases were whites. By mode of transmission, both MSM and heterosexual contact accounted for 25 (41%) cases each. Cumulatively, 482 HIV cases were diagnosed in Monroe County through year-end 2016, with males accounting for 318 (66%) cases and females for 164 (34%) cases. By race/ethnicity, whites accounted for 252 (52.3%) cases, while blacks/African Americans accounted for 112 (23.2%) cases and Hispanics for 86 (17.8%) cases diagnosed through year-end 2016. By transmission mode, MSM accounted for 151 (31.3%) cases, while heterosexual contact accounted for 158 (32.8%) cases and IDU for 82 (17%) cases diagnosed through year-end 2016. At year-end 2016, 424 PLWH resided in Monroe County.

Table 128: The Number of Persons Diagnosed With HIV Infection by Period of Diagnosis, Sex, Race/Ethnicity, Transmission Category and Number of PLWH at Year-end 2016 in Monroe County, Pa.

Characteristics	Cumulative cases through 2011	Newly diagnosed cases 2012-2016	Cumulative cases through Dec. 31, 2016		PLWH at year-end 2016	
			Number	Percent	Number	Percent
Total	421	61	482	100	424	100
Sex						
Female	149	15	164	34.0	152	35.8
Male	272	46	318	66.0	272	64.2
Race/ethnicity						
Asian	-	-	-	-	-	-
Black/African American	88	24	112	23.2	142	33.5
Hispanic	72	14	86	17.8	89	21.0
American Indian	-	-	-	-	-	-
Multiple race	25	4	29	6.0	34	8.0
White	233	19	252	52.3	155	36.6
Transmission category						
MSM	126	25	151	31.3	137	32.3
IDU	78	-	82	17.0	55	13.0
MSM and IDU	10	-	11	2.3	12	2.8
Heterosexual contact	133	25	158	32.8	145	34.2
All pediatric mode	10	-	10	2.1	14	3.3
Other*	64	6	70	14.5	61	14.4
Age group						
0-12	8	-	8	1.7	-	-
13-14	-	-	-	-	-	-
15-24	35	7	42	8.7	11	2.6
25-34	105	17	122	25.3	53	12.5
35-44	147	8	155	32.2	57	13.4
45-54	89	16	105	21.8	131	30.9
55-64	30	7	37	7.7	130	30.7
>=65	-	6	11	2.3	39	9.2

Data source: Pa. HIV surveillance

*Other transmission category included unknown transmission category, hemophilia, blood transfusion, and risk not reported, or risk not identified.

Dash (-) indicates a suppressed case count of less than or equal to 5.

Montgomery County

Table 129: Selected Socio-demographic Characteristics, Montgomery County, Pa.

Selected socio-demographic characteristics	Estimate	Percent
Total population	815,876	100
Sex		
Male	396,386	48.6
Female	419,490	51.4
Race/ethnicity		
Hispanic/Latino	38,600	4.7
White	628,870	77.1
Black/African American	70,800	8.7
American Indian and Alaska Native	615	0.1
Asian	57,974	7.1
Native Hawaiian and Other Pacific Islander	198	0.0
Multiple race (two or more races)	16,799	2.1
Income and poverty		
Median household income (in 2016 dollars), 2012-2016	\$81,902	
Per capita income in past 12 months (in 2016 dollars), 2012-2016	\$42,995	
Persons in poverty		6.2

Data sources: DP05: ACS demographic and housing estimates, 2012-2016 American Community Survey 5-year estimates. QuickFacts, Montgomery County, Pa., retrieved from <https://www.census.gov/quickfacts/table/PST045216/42091>

Newly diagnosed HIV cases and PLWH in Montgomery County, Pa.

In the 2012-2016 five-year American Community Survey, the population of Montgomery County was 815,876 (Table 129). Whites accounted for 77.1% of the total county population, while blacks/African Americans were 8.7%, Asians, 7.1% and Hispanics, 4.7%. From 2012-2016, 223 cases were newly diagnosed (Table 130). By sex, 41 (18.4%) cases were females and 182 (81.6%) cases were males. By race/ethnicity, 84 (37.7%) cases were blacks/African Americans, 25 (11.2%) cases were Hispanics, 99 (44.4%) cases were whites and 11 (4.9%) were of multiple race. By mode of transmission, 106 (47.5%) cases were MSM, 13 (5.8%) cases were IDU-related and 87 (39%) were through heterosexual contact. Cumulatively, 1,893 HIV cases were diagnosed in Montgomery County through year-end 2016, with males accounting for 1,545 (81.6%) cases and females for 348 (18.4%) cases. By race/ethnicity, whites accounted for 970 (51.2%) cases, blacks/African Americans for 627 (33.1%) cases and Hispanics for 189 (10%) cases diagnosed through year-end 2016. By transmission mode, MSM were 780 (41.2%) cases, while IDU were 385 (20.3%) cases, heterosexual contact were 476 (25.1%), and MSM and IDU were 86 (4.5%) cases diagnosed through year-end 2016. At year-end 2016, 1,496 PLWH resided in Montgomery County.

Table 130: The Number of Persons Diagnosed With HIV Infection by Period of Diagnosis, Sex, Race/Ethnicity, Transmission Category and Number of PLWH at Year-end 2016 in Montgomery County, Pa.

Characteristics	Cumulative cases through 2011	Newly diagnosed cases 2012-2016	Cumulative cases through Dec. 31, 2016		PLWH at year-end 2016	
			Number	Percent	Number	Percent
Total	1,670	223	1,893	100	1,496	100
Sex						
Female	307	41	348	18.4	329	22.0
Male	1,363	182	1,545	81.6	1,167	78.0
Race/ethnicity						
Asian	10	-	14	0.7	13	0.9
Black/African American	543	84	627	33.1	559	37.4
Hispanic	164	25	189	10.0	190	12.7
Multiple race	81	11	92	4.9	85	5.7
American Indian	-	-	-	-	-	-
Native Hawaiian	-	-	-	-	-	-
White	871	99	970	51.2	646	43.2
Transmission category						
MSM	674	106	780	41.2	586	39.2
IDU	372	13	385	20.3	251	16.8
MSM and IDU	84	-	86	4.5	56	3.7
Heterosexual contact	389	87	476	25.1	491	32.8
All pediatric mode	16	-	18	1.0	18	1.2
Other*	135	13	148	7.8	94	6.3
Age group						
0-12	16	-	18	1.0	-	-
13-14	-	-	-	-	-	-
15-24	157	40	197	10.4	34	2.3
25-34	488	64	552	29.2	164	11.0
35-44	567	43	610	32.2	250	16.7
45-54	312	42	354	18.7	487	32.6
55-64	99	23	122	6.4	424	28.3
>=65	26	9	35	1.8	136	9.1

Data source: Pa. HIV surveillance

*Other transmission category included unknown transmission category, hemophilia, blood transfusion, and risk not reported, or risk not identified.

Dash (-) indicates a suppressed case count of less than or equal to 5.

Montour County

Table 131: Selected Socio-demographic Characteristics, Montour County, Pa.

Selected socio-demographic characteristics	Estimate	Percent
Total population	18,404	100
Sex		
Male	8,836	48.0
Female	9,568	52.0
Race/ethnicity		
Hispanic/Latino	441	2.4
White	16,993	92.3
Black/African American	317	1.7
American Indian and Alaska Native	6	0.0
Asian	573	3.1
Native Hawaiian and other Pacific Islander	0	0.0
Multiple race (two or more races)	74	0.4
Income and Poverty		
Median household income (in 2016 dollars), 2012-2016	\$55,233	
Per capita income in past 12 months (in 2016 dollars), 2012-2016	\$31,293	
Persons in poverty		11.9

Data sources: DP05: ACS demographic and housing estimates, 2012-2016 American Community Survey 5-year estimates. QuickFacts, Montour County, Pa., retrieved from <https://www.census.gov/quickfacts/table/PST045216/42093>

Newly diagnosed HIV cases and PLWH in Montour County, Pa.

In the 2012-2016 five-year American Community Survey, the population of Montour County was 18,404 (Table 131). Whites accounted for 92.3% of the total county population, while blacks/African Americans were 1.7% and Hispanics were 2.4%. From 2012-2016, fewer than five cases were newly diagnosed (Table 132). Cumulatively, 30 HIV cases were diagnosed in Montour County through year-end 2016, with males accounting for 24 (80%) cases and females for six (20%) cases. By race/ethnicity, whites accounted for 21 (70%) cases. By transmission mode, 13 (43.3%) of the cumulative cases at year-end 2016 were MSM, while six (20%) were IDU and six (20%) were through heterosexual contact. At year-end 2016, 30 PLWH resided in Montour County.

Table 132: The Number of Persons Diagnosed With HIV Infection by Period of Diagnosis, Sex, Race/Ethnicity, Transmission Category and Number of PLWH at Year-end 2016 in Montour County, Pa.

Characteristics	Cumulative cases through 2011	Newly diagnosed cases 2012-2016	Cumulative cases through Dec. 31, 2016		PLWH at year-end 2016	
			Number	Percent	Number	Percent
Total	26	-	30	100	30	100
Sex						
Female	-	-	6	20.0	10	33.3
Male	21	-	24	80.0	20	66.7
Race/ethnicity						
Asian	-	-	-	-	-	-
Black/African American	-	-	-	-	8	26.7
Hispanic	-	-	-	-	-	-
White	19	-	21	70.0	18	60.0
Transmission category						
MSM	12	-	13	43.3	10	33.3
IDU	6	-	6	20.0	-	-
MSM and IDU	-	-	-	-	-	-
Heterosexual contact	-	-	6	20.0	-	-
All pediatric mode	-	-	-	-	-	-
Other*	-	-	-	-	7	23.3
Age group						
0-12	-	-	-	-	-	-
13-14	-	-	-	-	-	-
15-24	-	-	-	-	-	-
25-34	7	-	8	26.7	-	-
35-44	9	-	9	30.0	-	-
45-54	7	-	7	23.3	12	40.0
55-64	-	-	-	-	8	26.7
>=65	-	-	-	-	-	-

Data source: Pa. HIV surveillance

*Other transmission category included unknown transmission category, hemophilia, blood transfusion, and risk not reported, or risk not identified.

Dash (-) indicates a suppressed case count of less than or equal to 5.

Northampton County

Table 133: Selected Socio-demographic Characteristics, Northampton County, Pa.

Selected socio-demographic characteristics	Estimate	Percent
Total population	300,520	100
Sex		
Male	147,510	49.1
Female	153,010	50.9
Race/ethnicity		
Hispanic/Latino	36,294	12.1
White	235,672	78.4
Black/African American	13,725	4.6
American Indian and Alaska Native	305	0.1
Asian	8,120	2.7
Native Hawaiian and other Pacific Islander	29	0.0
Multiple race (two or more races)	5,649	1.9
Income and poverty		
Median household income (in 2016 dollars), 2012-2016	\$62,753	
Per capita income in past 12 months (in 2016 dollars), 2012-2016	\$31,086	
Persons in poverty		9.3

Data sources: DP05: ACS demographic and housing estimates, 2012-2016 American Community Survey 5-year estimates. QuickFacts, Northampton County, Pa., retrieved from <https://www.census.gov/quickfacts/table/PST045216/42095>

Newly diagnosed HIV cases and PLWH in Northampton County, Pa.

In the 2012-2016 five-year American Community Survey, the population of Northampton County was 300,520 (Table 133). Whites accounted for 78.4% of the total county population, while blacks/African Americans were 4.6%, Asians were 2.7% and Hispanics were 12.1%. From 2012-2016, 47 cases were newly diagnosed (Table 134). By sex, 11 (23.4%) cases were females and 36 (76.6%) cases were males. By race/ethnicity, blacks/African Americans and Hispanics accounted for seven (14.8%) cases each, while whites were 30 (63.8%) cases. By mode of transmission, 21 (44.7%) cases were MSM and 11 (23.4%) cases were through heterosexual contact. Cumulatively, 690 HIV cases were diagnosed in Northampton County through year-end 2016, with males accounting for 459 (66.5%) cases and females, 231 (33.5%) cases. By race/ethnicity, 274 (39.7%) cases were whites, 287 (41.6%) cases were Hispanics and 104 (15.1%) cases were blacks/African Americans. By transmission mode, IDU accounted for 240 (34.8%) cases, while MSM accounted for 165 (23.9%) cases and heterosexual contact for 156 (22.6%) cases diagnosed through year-end 2016. At year-end 2016, 605 PLWH resided in Northampton County.

Table 134: The Number of Persons Diagnosed With HIV Infection by Period of Diagnosis, Sex, Race/Ethnicity, Transmission Category and Number of PLWH at Year-end 2016 in Northampton County, Pa.

Characteristics	Cumulative cases through 2011	Newly diagnosed cases 2012-2016	Cumulative cases through Dec. 31, 2016		PLWH at year-end 2016	
			Number	Percent	Number	Percent
Total	643	47	690	100	605	100
Sex						
Female	220	11	231	33.5	231	38.2
Male	423	36	459	66.5	374	61.8
Race/ethnicity						
Asian	-	-	-	-	-	-
Black/African American	97	7	104	15.1	134	22.1
Hispanic	280	7	287	41.6	216	35.7
Multiple race	20	-	21	3.0	41	6.8
American Indian	-	-	-	-	-	-
White	244	30	274	39.7	208	34.4
Transmission category						
MSM	144	21	165	23.9	155	25.6
IDU	237	-	240	34.8	141	23.3
MSM and IDU	22	-	25	3.6	23	3.8
Heterosexual contact	145	11	156	22.6	198	32.7
All pediatric mode	10	-	10	1.4	14	2.3
Other*	85	9	94	13.6	74	12.2
Age group						
0-12	10	-	10	1.4	-	-
13-14	-	-	-	-	-	-
15-24	79	6	85	12.3	14	2.3
25-34	194	10	204	29.6	70	11.6
35-44	220	11	231	33.5	100	16.5
45-54	103	14	117	17.0	210	34.7
55-64	27	6	33	4.8	164	27.1
>=65	10	-	10	1.4	44	7.3

Data source: Pa. HIV surveillance

*Other transmission category included unknown transmission category, hemophilia, blood transfusion, and risk not reported, or risk not identified.

Dash (-) indicates a suppressed case count of less than or equal to 5.

Northumberland County

Table 135: Selected Socio-demographic Characteristics, Northumberland County, Pa.

Selected socio-demographic characteristics	Estimate	Percent
Total population	93,590	100
Sex		
Male	47,287	50.5
Female	46,303	49.5
Race/ethnicity		
Hispanic/Latino	2,852	3.0
White	87,199	93.2
Black/African American	2,307	2.5
American Indian and Alaska Native	177	0.2
Asian	332	0.4
Native Hawaiian and other Pacific Islander	0	0.0
Multiple race (two or more races)	612	0.7
Income and poverty		
Median household income (in 2016 dollars), 2012-2016	\$43,701	
Per capita income in past 12 months (in 2016 dollars), 2012-2016	\$23,512	
Persons in poverty		14.6

Data sources: DP05: ACS demographic and housing estimates, 2012-2016 American Community Survey 5-year estimates. QuickFacts, Northumberland County, Pa., retrieved from <https://www.census.gov/quickfacts/table/PST045216/42097>

Newly diagnosed HIV cases and PLWH in Northumberland County, Pa.

In the 2012-2016 five-year American Community Survey, the population of Northumberland County was 93,590 (Table 135). Whites accounted for 93.2% of the total county population, while blacks/African Americans were 2.5%, Hispanics were 3% and Asians were 0.4%. From 2012-2016, 11 cases were newly diagnosed (Table 136). By sex, nine (81.8%) cases were males. By mode of transmission, seven (63.6%) cases were MSM. A description by race/ethnicity of all newly diagnosed cases during this time period will not be provided because the resulting data will not meet the criteria for data confidentiality. Cumulatively, 142 HIV cases were diagnosed in Northumberland County through year-end 2016, with males accounting for 120 (84.5%) cases and females for 22 (15.5%) cases. By race/ethnicity, 65 (45.8%) cases were whites, 38 (26.8%) were blacks/African Americans and 31 (21.8%) were Hispanics. By transmission mode, MSM accounted for 51 (35.9%) cases, while IDU accounted for 47 (33.1%) cases and heterosexual contact for 17 (12%) cases diagnosed through year-end 2016. At year-end 2016, 138 PLWH resided in Northumberland County.

Table 136: The Number of Persons Diagnosed With HIV Infection by Period of Diagnosis, Sex, Race/Ethnicity, Transmission Category and Number of PLWH at Year-end 2016 in Northumberland County, Pa.

Characteristics	Cumulative cases through 2011	Newly diagnosed cases 2012-2016	Cumulative cases through Dec. 31, 2016		PLWH at year-end 2016	
			Number	Percent	Number	Percent
Total	131	11	142	100	138	100
Sex						
Female	20	-	22	15.5	30	21.7
Male	111	9	120	84.5	108	78.3
Race/ethnicity						
Black/African American	35	-	38	26.8	38	27.5
Hispanic	28	-	31	21.8	32	23.2
Multiple race	8	-	8	5.6	-	-
White	60	-	65	45.8	63	45.7
Transmission category						
MSM	44	7	51	35.9	40	29.0
IDU	47	-	47	33.1	39	28.3
MSM and IDU	10	-	10	7.0	18	13.0
Heterosexual contact	16	-	17	12.0	21	15.2
All pediatric mode	-	-	-	-	8	5.8
Other*	13	-	16	11.3	12	8.7
Age group						
0-12	-	-	-	-	-	-
13-14	-	-	-	-	-	-
15-24	8	-	10	7.0	9	6.5
25-34	42	-	47	33.1	8	5.8
35-44	48	-	49	34.5	20	14.5
45-54	22	-	22	15.5	43	31.2
55-64	8	-	11	7.7	45	32.6
>=65	-	-	-	-	13	9.4

Data source: Pa. HIV surveillance

*Other transmission category included unknown transmission category, hemophilia, blood transfusion, and risk not reported, or risk not identified.

Dash (-) indicates a suppressed case count of less than or equal to 5.

Perry County

Table 137: Selected Socio-demographic Characteristics, Perry County, Pa.

Selected socio-demographic characteristics	Estimate	Percent
Total population	45,647	100
Sex		
Male	22,995	50.4
Female	22,652	49.6
Race/ethnicity		
Hispanic/Latino	769	1.7
White	43,804	96.0
Black/African American	392	0.9
American Indian and Alaska Native	53	0.1
Asian	153	0.3
Native Hawaiian and other Pacific Islander	0	0.0
Multiple race (two or more races)	466	1.0
Income and poverty		
Median household income (in 2016 dollars), 2012-2016	\$58,585	
Per capita income in past 12 months (in 2016 dollars), 2012-2016	\$27,648	
Persons in poverty		9.1

Data sources: DP05: ACS demographic and housing estimates, 2012-2016 American Community Survey 5-year estimates. QuickFacts, Perry County, Pa., retrieved from <https://www.census.gov/quickfacts/table/PST045216/42099>

Newly diagnosed HIV cases and PLWH in Perry County, Pa.

In the 2012-2016 five-year American Community Survey, the population of Perry County was 45,647 (Table 137). Whites accounted for 96% of the total county population, while Hispanics were 1.7% and blacks/African Americans were 0.9%. From 2012-2016, only six cases were newly diagnosed (Table 138). Cumulatively, 51 HIV cases were diagnosed in Perry County through year-end 2016, with males accounting for 39 (76.5%) cases and females for 12 (23.5%) cases. By race/ethnicity, 48 (94.1%) cases were whites. By transmission mode, MSM accounted for 29 (56.9%) cases, while heterosexual contact accounted for 11 (21.6%) cases and IDU for seven (13.7%) cases diagnosed through year-end 2016. At year-end 2016, 40 PLWH resided in Perry County.

Table 138: The Number of Persons Diagnosed With HIV Infection by Period of Diagnosis, Sex, Race/Ethnicity, Transmission Category and Number of PLWH at Year-end 2016 in Perry County, Pa.

Characteristics	Cumulative cases through 2011	Newly diagnosed cases 2012-2016	Cumulative cases through Dec. 31, 2016		PLWH at year-end 2016	
			Number	Percent	Number	Percent
Total	45	6	51	100	40	100
Sex						
Female	11	-	12	23.5	7	17.5
Male	34	-	39	76.5	33	82.5
Race/ethnicity						
Black/African American	-	-	-	-	-	-
Hispanic	-	-	-	-	-	-
Multiple race	-	-	-	-	-	-
White	44	-	48	94.1	35	87.5
Transmission category						
MSM	27	-	29	56.9	24	60.0
IDU	6	-	7	13.7	-	-
MSM and IDU	-	-	-	-	-	-
Heterosexual contact	8	-	11	21.6	9	22.5
All pediatric mode	-	-	-	-	-	-
Other*	-	-	-	-	-	-
Age group						
0-12	-	-	-	-	-	-
13-14	-	-	-	-	-	-
15-24	6	-	7	13.7	-	-
25-34	18	-	18	35.3	6	15.0
35-44	13	-	14	27.5	6	15.0
45-54	7	-	10	19.6	16	40.0
55-64	-	-	-	-	8	20.0
>=65	-	-	-	-	-	-

Data source: Pa. HIV surveillance

*Other transmission category included unknown transmission category, hemophilia, blood transfusion, and risk not reported, or risk not identified.

Dash (-) indicates a suppressed case count of less than or equal to 5.

Philadelphia County

Table 139: Selected Socio-demographic Characteristics, Philadelphia County, Pa.

Selected socio-demographic characteristics	Estimate	Percent
Total population	1,559,938	100
Sex		
Male	737,899	47.3
Female	822,039	52.7
Race/ethnicity		
Hispanic/Latino	214,770	13.8
White	550,157	35.3
Black/African American	648,187	41.6
American Indian and Alaska Native	2,986	0.2
Asian	106,642	6.8
Native Hawaiian and other Pacific Islander	425	0.0
Multiple race (two or more races)	31,982	2.1
Income and poverty		
Median household income (in 2016 dollars), 2012-2016	\$39,770	
Per capita income in past 12 months (in 2016 dollars), 2012-2016	\$23,696	
Persons in poverty		25.3

Data sources: DP05: ACS demographic and housing estimates, 2012-2016 American Community Survey 5-year estimates. QuickFacts, Philadelphia County, Pa., retrieved from <https://www.census.gov/quickfacts/table/PST045216/42101>

Newly diagnosed HIV cases and PLWH in Philadelphia County, Pa.

In the 2012-2016 five-year American Community Survey, the population of Philadelphia County was 1,555,938 (Table 139). Blacks/African Americans accounted for 41.6% of the total county population, Hispanics for 13.8%, whites for 35.3% and Asians for 6.8%. From 2012-2016, 2,851 cases were newly diagnosed (Table 140). By sex, 640 (22.4%) cases were females and 2,211 (77.6%) cases were males. By race/ethnicity, 53 (1.9%) cases were Asians, 2,003 (70.3%) cases were blacks/African Americans, 407 (14.3%) cases were Hispanics, 344 (12.1%) cases were whites, 29 (1%) cases were of multiple race and 15 (0.5%) cases were American Indians. By transmission mode, 1,440 (50.5%) cases were MSM, 188 (6.6%) cases were IDU-related, 1,097 (38.5%) were through heterosexual contact, and 60 (2.1%) cases were MSM and IDU. Cumulatively, 31,986 HIV cases were diagnosed in Philadelphia County through year-end 2016, with males accounting for 23,736 (74.2%) of the cases and females for 8,250 (25.8%) cases. By race/ethnicity, blacks/African Americans accounted for 20,855 (65.2%) cases, while Hispanics were 3,932 (12.3%) cases, whites were 6,407 (20%) cases and Asians were 209 (0.7%) cases diagnosed through year-end 2016. By transmission mode, MSM accounted for 11,278 (35.3%) cases, IDU for 8,983 (28.1%) cases, heterosexual contact for 9,133 (28.6%) cases, and MSM and IDU for 1,534 (4.8%) cases diagnosed through year-end 2016. In the five-year period from 2012 to 2016, 2,851 cases of new HIV infections were diagnosed in Philadelphia County. At year-end 2016, 18,915 PLWH resided in Philadelphia County.

Table 140: The Number of Persons Diagnosed With HIV Infection by Period of Diagnosis, Sex, Race/Ethnicity, Transmission Category and Number of PLWH at Year-end 2016 in Philadelphia County, Pa.

Characteristics	Cumulative cases through 2011	Newly diagnosed cases 2012-2016	Cumulative cases through Dec. 31, 2016		PLWH at year-end 2016	
			Number	Percent	Number	Percent
Total	29,135	2,851	31,986	100	18,915	100
Sex						
Female	7,610	640	8,250	25.8	5,309	28.1
Male	21,525	2,211	23,736	74.2	13,606	71.9
Race/ethnicity						
Asian	156	53	209	0.7	185	1.0
Black/African American	18,852	2,003	20,855	65.2	11,946	63.2
Hispanic	3,525	407	3,932	12.3	2,883	15.2
Multiple race	513	29	542	1.7	399	2.1
American Indian	26	15	41	0.1	38	0.2
Native Hawaiian	-	-	-	-	12	0.1
White	6,063	344	6,407	20.0	3,451	18.2
Unknown	-	-	-	-	-	-
Transmission category						
MSM	9,838	1,440	11,278	35.3	7,016	37.1
IDU	8,795	188	8,983	28.1	3,900	20.6
MSM and IDU	1,474	60	1,534	4.8	800	4.2
Heterosexual contact	8,036	1,097	9,133	28.6	6,471	34.2
All pediatric mode	401	11	412	1.3	295	1.6
Other*	591	55	646	2.0	433	2.3
Age group						
0-12	399	9	408	1.3	34	0.2
13-14	34	-	37	0.1	10	0.1
15-24	3,679	733	4,412	13.8	657	3.5
25-34	9,535	807	10,342	32.3	2,942	15.6
35-44	9,231	510	9,741	30.5	3,253	17.2
45-54	4,481	515	4,996	15.6	5,969	31.6
55-64	1,396	213	1,609	5.0	4,501	23.8
>=65	380	61	441	1.4	1,549	8.2

Data source: Pa. HIV surveillance

*Other transmission category included unknown transmission category, hemophilia, blood transfusion, and risk not reported, or risk not identified.

Dash (-) indicates a suppressed case count of less than or equal to 5.

Pike County

Table 141: Selected Socio-demographic Characteristics, Pike County, Pa.

Selected socio-demographic characteristics	Estimate	Percent
Total population	56,210	100
Sex		
Male	28,092	50.0
Female	28,092	50.0
Race/ethnicity		
Hispanic/Latino	5,657	10.1
White	45,883	81.6
Black/African American	3,085	5.5
American Indian and Alaska Native	93	0
Asian	627	1.1
Native Hawaiian and other Pacific Islander	15	0.0
Multiple race (two or more races)	713	1.3
Income and poverty		
Median household income (in 2016 dollars), 2012-2016	\$61,199	
Per capita income in past 12 months (in 2016 dollars), 2012-2016	\$29,695	
Persons in poverty		9.8

Data sources: DP05: ACS demographic and housing estimates, 2012-2016 American Community Survey 5-year estimates. QuickFacts, Pike County, Pa., retrieved from <https://www.census.gov/quickfacts/table/PST045216/42103>

Newly diagnosed HIV cases and PLWH in Pike County, Pa.

In the 2012-2016 five-year American Community Survey, the population of Pike County was 56,210 (Table 141). Whites accounted for 81.6% of the total county population, while blacks/African Americans were 5.5%, Asians were 1.1% and Hispanics were 10.1%. From 2012-2016, 24 cases were newly diagnosed (Table 142). By sex, 8 (33.3%) cases were females and 16 (66.7%) cases were males. By race/ethnicity, six (25%) cases were blacks/African Americans and 12 (50%) cases were whites. By mode of transmission, six (25%) cases were MSM and 15 (62.5%) cases were through heterosexual contact. Cumulatively, 137 HIV cases were diagnosed in Pike County through year-end 2016, with males accounting for 99 (72.3%) cases and females for 38 (27.7%) cases. By race/ethnicity, whites accounted for 87 (63.5%) cases, while blacks/African Americans accounted for 31 (22.6%) cases and Hispanics for 15 (10.9%) cases diagnosed through year-end 2016. By transmission mode, MSM tallied 47 (34.3%) cases, heterosexual contact tallied 42 (30.7%) cases and IDU tallied 26 (19%) cases diagnosed through year-end 2016. At year-end 2016, 139 PLWH resided in Pike County.

Table 142: The Number of Persons Diagnosed With HIV Infection by Period of Diagnosis, Sex, Race/Ethnicity, Transmission Category and Number of PLWH at Year-end 2016 in Pike County, Pa.

Characteristics	Cumulative cases through 2011	Newly diagnosed cases 2012-2016	Cumulative cases through Dec. 31, 2016		PLWH at year-end 2016	
			Number	Percent	Number	Percent
Total	113	24	137	100	139	100
Sex						
Female	30	8	38	27.7	42	30.2
Male	83	16	99	72.3	97	69.8
Race/ethnicity						
Asian	-	-	-	-	-	-
Black/African American	25	6	31	22.6	27	19.4
Hispanic	10	-	15	10.9	23	16.5
Multiple race	-	-	-	-	-	-
American Indian	-	-	-	-	-	-
White	75	12	87	63.5	83	59.7
Transmission category						
MSM	41	6	47	34.3	63	45.3
IDU	24	-	26	19.0	20	14.4
MSM and IDU	-	-	-	-	-	-
Heterosexual contact	27	15	42	30.7	35	25.2
All pediatric mode	-	-	-	-	-	-
Other*	14	-	15	10.9	16	11.5
Age group						
0-12	-	-	-	-	-	-
13-14	-	-	-	-	-	-
15-24	-	-	-	-	-	-
25-34	33	8	41	29.9	10	7.2
35-44	42	-	47	34.3	14	10.1
45-54	23	8	31	22.6	55	39.6
55-64	-	-	6	4.4	44	31.7
>=65	-	-	6	4.4	14	10.1

Data source: Pa. HIV surveillance

*Other transmission category included unknown transmission category, hemophilia, blood transfusion, and risk not reported, or risk not identified.

Dash (-) indicates a suppressed case count of less than or equal to 5.

Potter County

Table 143: Selected Socio-demographic Characteristics, Potter County, Pa.

Selected socio-demographic characteristics	Estimate	Percent
Total population	17,239	100
Sex		
Male	8,694	50.4
Female	8,545	49.6
Race/ethnicity		
Hispanic/Latino	207	1.2
White	16,672	96.7
Black/African American	86	0.5
American Indian and Alaska Native	24	0.1
Asian	62	0.4
Native Hawaiian and other Pacific Islander	0	0.0
Multiple race (two or more races)	157	0.9
Income and poverty		
Median household income (in 2016 dollars), 2012-2016	\$40,921	
Per capita income in past 12 months (in 2016 dollars), 2012-2016	\$22,929	
Persons in poverty		14.0

Data sources: DP05: ACS demographic and housing estimates, 2012-2016 American Community Survey 5-year estimates. QuickFacts, Potter County, Pa., retrieved from <https://www.census.gov/quickfacts/table/PST045216/42105>

Newly diagnosed HIV cases and PLWH in Potter County, Pa.

In the 2012-2016 five-year American Community Survey, the population of Potter County was 17,239 (Table 143). Whites accounted for 96.7% of the total county population, while Hispanics were 1.2% and blacks/African Americans were 0.5%. From 2012-2016, fewer than five cases were newly diagnosed (Table 144). Cumulatively, nine HIV cases, all white and all males were diagnosed in Potter County through year-end 2016. At year-end 2016, six PLWH resided in Potter County.

Table 144: The Number of Persons Diagnosed With HIV Infection by Period of Diagnosis, Sex, Race/Ethnicity, Transmission Category and Number of PLWH at Year-end 2016 in Potter County, Pa.

Characteristics	Cumulative cases through 2011	Newly diagnosed cases 2012-2016	Cumulative cases through Dec. 31, 2016		PLWH at year-end 2016	
			Number	Percent	Number	Percent
Total	8	-	9	100	6	100
Sex						
Female	-	-	-	-	-	-
Male	8	-	9	100.0	6	100
Race/ethnicity						
Black/African American	-	-	-	-	-	-
White	8	-	9	100.0	-	-
Transmission category						
MSM	-	-	-	-	-	-
IDU	-	-	-	-	-	-
MSM and IDU	-	-	-	-	-	-
Heterosexual contact	-	-	-	-	-	-
All pediatric mode	-	-	-	-	-	-
Other*	-	-	-	-	-	-
Age group						
0-12						
13-14						
15-24						
25-34	6	-	6	66.7	-	-
35-44	-	-	-	-	-	-
45-54	-	-	-	-	-	-
55-64	-	-	-	-	-	-
>=65	-	-	-	-	-	-

Data source: Pa. HIV surveillance

*Other transmission category included unknown transmission category, hemophilia, blood transfusion, and risk not reported, or risk not identified.

Dash (-) indicates a suppressed case count of less than or equal to 5.

Schuylkill County

Table 145: Selected Socio-demographic Characteristics, Schuylkill County, Pa.

Selected socio-demographic characteristics	Estimate	Percent
Total population	145,503	100
Sex		
Male	74,295	51.1
Female	71,208	48.9
Race/ethnicity		
Hispanic/Latino	5,219	3.6
White	133,944	92.1
Black/African American	3,782	2.6
American Indian and Alaska Native	175	0.1
Asian	752	0.5
Native Hawaiian and other Pacific Islander	0	0.0
Multiple race (two or more races)	1,590	1.1
Income and poverty		
Median household income (in 2016 dollars), 2012-2016	\$46,573	
Per capita income in past 12 months (in 2016 dollars), 2012-2016	\$24,275	
Persons in poverty		12.8

Data sources: DP05: ACS demographic and housing estimates, 2012-2016 American Community Survey 5-year estimates. QuickFacts, Schuylkill County, Pa., retrieved from <https://www.census.gov/quickfacts/table/PST045216/42107>

Newly diagnosed HIV cases and PLWH in Schuylkill County, Pa.

In the 2012-2016 five-year American Community Survey, the population of Schuylkill County was 145,503 (Table 145). Whites accounted for 92.1% of the total county population, while blacks/African Americans were 2.6% and Hispanics were 3.6%. From 2012-2016, 25 cases were newly diagnosed (Table 146). By sex, 22 (88%) cases were males. By race/ethnicity, seven (28%) cases were blacks/African Americans and 14 (56%) cases were whites. By mode of transmission, 11 (44%) cases were MSM and six (24%) cases were through heterosexual contact. Cumulatively, 233 HIV cases were diagnosed in Schuylkill County through year-end 2016, with males accounting for 198 (85%) cases and females for 35 (15%) cases. By race/ethnicity, 66 (28.3%) cases were blacks/African Americans, 35 (15%) cases were Hispanics and 117 (50.2%) cases were whites. By transmission mode, IDU accounted for 82 (35.2%) cases, while MSM accounted for 66 (28.3%) cases, MSM and IDU for 18 (7.7%) cases, and heterosexual contact for 42 (18%) cases diagnosed through year-end 2016. At year-end 2016, 204 PLWH resided in Schuylkill County.

Table 146: The Number of Persons Diagnosed With HIV Infection by Period of Diagnosis, Sex, Race/Ethnicity, Transmission Category and Number of PLWH at Year-end 2016 in Schuylkill County, Pa.

Characteristics	Cumulative cases through 2011	Newly diagnosed cases 2012-2016	Cumulative cases through Dec. 31, 2016		PLWH at year-end 2016	
			Number	Percent	Number	Percent
Total	208	25	233	100	204	100
Sex						
Female	32	-	35	15.0	28	13.7
Male	176	22	198	85.0	176	86.3
Race/ethnicity						
Black/African American	59	7	66	28.3	65	31.9
Hispanic	32	-	35	15.0	40	19.6
Multiple race	14	-	15	6.4	9	4.4
American Indian	-	-	-	-	-	-
White	103	14	117	50.2	89	43.6
Transmission category						
MSM	55	11	66	28.3	62	30.4
IDU	77	-	82	35.2	62	30.4
MSM and IDU	18	-	18	7.7	20	9.8
Heterosexual contact	36	6	42	18.0	41	20.1
All pediatric mode	6	-	6	2.6	-	-
Other*	16	-	19	8.2	14	6.9
Age group						
0-12	-	-	-	-	-	-
13-14	-	-	-	-	-	-
15-24	18	7	25	10.7	6	2.9
25-34	73	6	79	33.9	16	7.8
35-44	66	6	72	30.9	38	18.6
45-54	37	6	43	18.5	83	40.7
55-64	6	-	6	2.6	51	25.0
>=65	-	-	-	-	10	4.9

Data source: Pa. HIV surveillance

*Other transmission category included unknown transmission category, hemophilia, blood transfusion, and risk not reported, or risk not identified.

Dash (-) indicates a suppressed case count of less than or equal to 5.

Snyder County

Table 147: Selected Socio-demographic Characteristics, Snyder County, Pa.

Selected socio-demographic characteristics	Estimate	Percent
Total population	40,246	100
Sex		
Male	19,942	49.6
Female	20,304	50.4
Race/ethnicity		
Hispanic/Latino	864	2.1
White	38,342	95.3
Black/African American	369	0.9
American Indian and Alaska Native	36	0.1
Asian	292	0.7
Native Hawaiian and other Pacific Islander	0	0.0
Multiple race (two or more races)	343	0.9
Income and poverty		
Median household income (in 2016 dollars), 2012-2016	\$51,110	
Per capita income in past 12 months (in 2016 dollars), 2012-2016	\$24,708	
Persons in poverty		12.7

Data sources: DP05: ACS demographic and housing estimates, 2012-2016 American Community Survey 5-year estimates. QuickFacts, Snyder County, Pa., retrieved from <https://www.census.gov/quickfacts/table/PST045216/42109>

Newly diagnosed HIV cases and PLWH in Snyder County, Pa.

In the 2012-2016 five-year American Community Survey, the population of Snyder County was 40,246 (Table 147). Whites accounted for 95.3% of the total county population, while Hispanics were 2.1% and blacks/African Americans were 0.9%. From 2012-2016, fewer than five cases were newly diagnosed (Table 148). Cumulatively, 29 HIV cases were diagnosed in Snyder County through year-end 2016, with males accounting for 25 (86.2%) cases. By race/ethnicity, whites accounted for 22 (75.9%) cases. By transmission mode, MSM accounted for 15 (51.7%) cases diagnosed through year-end 2016. At year-end 2016, 25 PLWH resided in Snyder County.

Table 148: The Number of Persons Diagnosed With HIV Infection by Period of Diagnosis, Sex, Race/Ethnicity, Transmission Category and Number of PLWH at Year-end 2016 in Snyder County, Pa.

Characteristics	Cumulative cases through 2011	Newly diagnosed cases 2012-2016	Cumulative cases through Dec. 31, 2016		PLWH at year-end 2016	
			Number	Percent	Number	Percent
Total	26	-	29	100	25	100
Sex						
Female	-	-	-	-	-	-
Male	22	-	25	86.2	20	80.0
Race/ethnicity						
Asian	-	-	-	-	-	-
Black/African American	-	-	-	-	-	-
Hispanic	-	-	-	-	-	-
Multiple race	-	-	-	-	-	-
White	19	-	22	75.9	14	56.0
Transmission category						
MSM	12	-	15	51.7	10	40.0
IDU	-	-	-	-	6	24.0
MSM and IDU	-	-	-	-	-	-
Heterosexual contact	6	-	6	20.7	-	-
All pediatric mode	-	-	-	-	-	-
Other*	-	-	-	-	-	-
Age group						
0-12	-	-	-	-	-	-
13-14	-	-	-	-	-	-
15-24	-	-	-	-	-	-
25-34	12	-	12	41.4	-	-
35-44	11	-	12	41.4	-	-
45-54	-	-	-	-	9	36.0
55-64	-	-	-	-	7	28.0
>=65	-	-	-	-	-	-

Data source: Pa. HIV surveillance

*Other transmission category included unknown transmission category, hemophilia, blood transfusion, and risk not reported, or risk not identified.

Dash (-) indicates a suppressed case count of less than or equal to 5.

Somerset County

Table 149: Selected Socio-demographic Characteristics, Somerset County, Pa.

Selected socio-demographic characteristics	Estimate	Percent
Total population	76,201	100
Sex		
Male	39,529	51.9
Female	36,672	48.1
Race/ethnicity		
Hispanic/Latino	1,021	1.3
White	72,235	94.8
Black/African American	1,989	2.6
American Indian and Alaska Native	74	0.1
Asian	245	0.3
Native Hawaiian and other Pacific Islander	15	0.0
Multiple race (two or more races)	605	0.8
Income and poverty		
Median household income (in 2016 dollars), 2012-2016	\$45,424	
Per capita income in past 12 months (in 2016 dollars), 2012-2016	\$23,402	
Persons in poverty		14.1

Data sources: DP05: ACS demographic and housing estimates, 2012-2016 American Community Survey 5-year estimates. QuickFacts, Somerset County, Pa., retrieved from <https://www.census.gov/quickfacts/table/PST045216/42111>

Newly diagnosed HIV cases and PLWH in Somerset County, Pa.

In the 2012-2016 five-year American Community Survey, the population of Somerset County was 76,201 (Table 149). Whites accounted for 94.8% of the total county population, while Hispanics were 1.3% and blacks/African Americans were 2.6%. From 2012-2016, 10 cases were newly diagnosed (Table 150). By sex, nine (90%) cases were males. By race/ethnicity, six (60%) cases were whites. Cumulatively, 133 HIV cases were diagnosed in Somerset County through year-end 2016, with males accounting for 126 (94.7%) cases and females for seven (5.3%) cases. By race/ethnicity, blacks/African Americans were 50 (37.6%) cases, Hispanics were 20 (15%) cases and whites were 58 (43.6%) cases at year-end 2016. By transmission mode, MSM accounted for 42 (31.6%) cases, while IDU accounted for 51 (38.3%) cases, heterosexual contact for 14 (10.5%) cases, and MSM and IDU for 10 (7.5%) cases diagnosed through year-end 2016. At year-end 2016, 78 PLWH resided in Somerset County.

Table 150: The Number of Persons Diagnosed With HIV Infection by Period of Diagnosis, Sex, Race/Ethnicity, Transmission Category and Number of PLWH at Year-end 2016 in Somerset County, Pa.

Characteristics	Cumulative cases through 2011	Newly diagnosed cases 2012-2016	Cumulative cases through Dec. 31, 2016		PLWH at year-end 2016	
			Number	Percent	Number	Percent
Total	123	10	133	100	78	100
Sex						
Female	6	-	7	5.3	-	-
Male	117	9	126	94.7	74	94.9
Race/ethnicity						
Black/African American	48	-	50	37.6	21	26.9
Hispanic	19	-	20	15.0	20	25.6
Multiple race	-	-	-	3.8	-	-
White	52	6	58	43.6	32	41.0
Transmission category						
MSM	37	-	42	31.6	23	29.5
IDU	50	-	51	38.3	29	37.2
MSM and IDU	10	-	10	7.5	6	7.7
Heterosexual contact	12	-	14	10.5	11	14.1
All pediatric mode	-	-	-	-	-	-
Other*	14	-	16	12.0	8	10.3
Age group						
0-12	-	-	-	-	-	-
13-14	-	-	-	-	-	-
15-24	8	-	11	8.3	-	-
25-34	39	-	41	30.8	8	10.3
35-44	57	-	59	44.4	8	10.3
45-54	17	-	18	13.5	32	41.0
55-64	-	-	-	-	24	30.8
>=65	-	-	-	-	-	-

Data source: Pa. HIV surveillance

*Other transmission category included unknown transmission category, hemophilia, blood transfusion, and risk not reported, or risk not identified.

Dash (-) indicates a suppressed case count of less than or equal to 5.

Sullivan County

Table 151: Selected Socio-demographic Characteristics, Sullivan County, Pa.

Selected socio-demographic characteristics	Estimate	Percent
Total population	6,302	100
Sex		
Male	3,303	52.4
Female	2,999	47.6
Race/ethnicity		
Hispanic/Latino	109	1.7
White	5,894	93.5
Black/African American	149	2.4
American Indian and Alaska Native	24	0.4
Asian	21	0.3
Native Hawaiian and other Pacific Islander	31	0.5
Multiple race (two or more races)	67	1.1
Income and poverty		
Median household income (in 2016 dollars), 2012-2016	\$44,926	
Per capita income in past 12 months (in 2016 dollars), 2012-2016	\$26,154	
Persons in poverty		12.8

Data sources: DP05: ACS demographic and housing estimates, 2012-2016 American Community Survey 5-year estimates. QuickFacts, Sullivan County, Pa., retrieved from <https://www.census.gov/quickfacts/table/PST045216/42113>

Newly diagnosed HIV cases and PLWH in Sullivan County, Pa.

In the 2012-2016 five-year American Community Survey, the population of Sullivan County was 6,302 (Table 151). Whites accounted for 93.5% of the total county population, while Hispanics were 1.7% and blacks/African Americans were 2.4%. From 2012-2016, fewer than five cases were newly diagnosed (Table 152). Cumulatively, 10 HIV cases were diagnosed in Sullivan County through year-end 2016, with males accounting for eight (80%) cases. At year-end 2016, nine PLWH resided in Sullivan County.

Table 152: The Number of Persons Diagnosed With HIV Infection by Period of Diagnosis, Sex, Race/Ethnicity, Transmission Category and Number of PLWH at Year-end 2016 in Sullivan County, Pa.

Characteristics	Cumulative cases through 2011	Newly diagnosed cases 2012-2016	Cumulative cases through Dec. 31, 2016		PLWH at year-end 2016	
			Number	Percent	Number	Percent
Total	7	-	10	100	9	100
Sex						
Female	-	-	-	-	-	-
Male	5	-	8	80.0	8	88.9
Race/ethnicity						
Black/African American	-	-	-	-	-	-
Hispanic	-	-	-	-	-	-
White	-	-	-	-	-	-
Transmission category						
MSM	-	-	-	-	-	-
IDU	-	-	-	-	-	-
MSM and IDU	-	-	-	-	-	-
Heterosexual contact	-	-	-	-	-	-
All pediatric mode	-	-	-	-	-	-
Other*	-	-	-	-	-	-
Age group						
0-12	-	-	-	-	-	-
13-14	-	-	-	-	-	-
15-24	-	-	-	-	-	-
25-34	-	-	-	-	-	-
35-44	-	-	-	-	-	-
45-54	-	-	-	-	-	-
55-64	-	-	-	-	-	-
>=65	-	-	-	-	-	-

Data source: Pa. HIV surveillance

*Other transmission category included unknown transmission category, hemophilia, blood transfusion, and risk not reported, or risk not identified.

Dash (-) indicates a suppressed case count of less than or equal to 5.

Susquehanna County

Table 153: Selected Socio-demographic Characteristics, Susquehanna County, Pa.

Selected socio-demographic characteristics	Estimate	Percent
Total population	41,832	100
Sex		
Male	21,060	50.3
Female	20,772	49.7
Race/ethnicity		
Hispanic/Latino	713	1.7
White	40,347	96.5
Black/African American	229	0.5
American Indian and Alaska Native	57	0.1
Asian	150	0.4
Native Hawaiian and other Pacific Islander	0	0.0
Multiple race (two or more races)	322	0.8
Income and poverty		
Median household income (in 2016 dollars), 2012-2016	\$50,160	
Per capita income in past 12 months (in 2016 dollars), 2012-2016	\$26,551	
Persons in poverty		12.7

Data sources: DP05: ACS demographic and housing estimates, 2012-2016 American Community Survey 5-year estimates. QuickFacts, Susquehanna County, Pa., retrieved from <https://www.census.gov/quickfacts/table/PST045216/42115>

Newly diagnosed HIV cases and PLWH in Susquehanna County, Pa.

In the 2012-2016 five-year American Community Survey, the population of Susquehanna County was 41,832 (Table 153). Whites accounted for 96.5% of the total county population, while Hispanics were 1.7% and blacks/African Americans were 0.5%. From 2012-2016, fewer than five cases were newly diagnosed (Table 154). Cumulatively, 36 HIV cases were diagnosed in Susquehanna County through year-end 2016, with males accounting for 33 (91.7%) cases. By race/ethnicity, whites accounted for 33 (91.7%) cases. By transmission mode, MSM tallied 21 (58.3%) cases, while IDU tallied eight (22.2%) cases. At year-end 2016, 37 PLWH resided in Susquehanna County.

Table 154: The Number of Persons Diagnosed With HIV Infection by Period of Diagnosis, Sex, Race/Ethnicity, Transmission Category and Number of PLWH at Year-end 2016 in Susquehanna County, Pa.

Characteristics	Cumulative cases through 2011	Newly diagnosed cases 2012-2016	Cumulative cases through Dec. 31, 2016		PLWH at year-end 2016	
			Number	Percent	Number	Percent
Total	32	-	36	100	37	100
Sex						
Female	-	-	-	-	-	-
Male	29	-	33	91.7	34	91.9
Race/ethnicity						
Hispanic	-	-	-	-	-	-
Multiple race	-	-	-	-	-	-
American Indian	-	-	-	-	-	-
Multiple race	-	-	-	-	-	-
White	29	-	33	91.7	31	83.8
Transmission category						
MSM	18	-	21	58.3	21	56.8
IDU	7	-	8	22.2	8	21.6
MSM and IDU	-	-	-	-	-	-
Heterosexual contact	-	-	-	-	-	-
All pediatric mode	-	-	-	-	-	-
Other*	-	-	-	-	-	-
Age group						
0-12	-	-	-	-	-	-
13-14	-	-	-	-	-	-
15-24	-	-	-	-	-	-
25-34	8	-	10	27.8	-	-
35-44	14	-	15	41.7	-	-
45-54	-	-	6	16.7	16	43.2
55-64	-	-	-	-	14	37.8
>=65	-	-	-	-	-	-

Data source: Pa. HIV surveillance

*Other transmission category included unknown transmission category, hemophilia, blood transfusion, and risk not reported, or risk not identified.

Dash (-) indicates a suppressed case count of less than or equal to 5.

Tioga County

Table 155: Selected Socio-demographic Characteristics, Tioga County, Pa.

Selected socio-demographic characteristics	Estimate	Percent
Total population	42,031	100
Sex		
Male	20,843	49.6
Female	21,188	50.4
Race/ethnicity		
Hispanic/Latino	523	1.2
White	40,484	96.3
Black/African American	220	0.5
American Indian and Alaska Native	48	0.1
Asian	231	0.5
Native Hawaiian and other Pacific Islander	16	0.0
Multiple race (two or more races)	498	1.2
Income and poverty		
Median household income (in 2016 dollars), 2012-2016	\$48,449	
Per capita income in past 12 months (in 2016 dollars), 2012-2016	\$24,626	
Persons in poverty		13.3

Data sources: DP05: ACS demographic and housing estimates, 2012-2016 American Community Survey 5-year estimates. QuickFacts, Tioga County, Pa., retrieved from <https://www.census.gov/quickfacts/table/PST045216/42117>

Newly diagnosed HIV cases and PLWH in Tioga County, Pa.

In the 2012-2016 five-year American Community Survey, the population of Tioga County was 42,031 (Table 155). Whites accounted for 96.3% of the total county population, while Hispanics were 1.2% and blacks/African Americans were 0.5%. From 2012-2016, fewer than five cases were newly diagnosed (Table 156). Cumulatively, 40 HIV cases were diagnosed in Tioga County through year-end 2016, with males accounting for 33 (82.5%) cases and females for seven (17.5%) cases. By race/ethnicity, whites accounted for 38 (95%) cases. By transmission mode, MSM tallied 21 (52.5%) cases diagnosed through year-end 2016. At year-end 2016, 24 PLWH resided in Tioga County.

Table 156: The Number of Persons Diagnosed With HIV Infection by Period of Diagnosis, Sex, Race/Ethnicity, Transmission Category and Number of PLWH at Year-end 2016 in Tioga County, Pa.

Characteristics	Cumulative cases through 2011	Newly diagnosed cases 2012-2016	Cumulative cases through Dec. 31, 2016		PLWH at year-end 2016	
			Number	Percent	Number	Percent
Total	39	-	40	100	24	100
Sex						
Female	7	-	7	17.5	-	-
Male	32	-	33	82.5	22	91.7
Race/ethnicity						
Black/African American	-	-	-	-	-	-
Hispanic	-	-	-	-	-	-
White	37	-	38	95.0	21	87.5
Transmission category						
MSM	20	-	21	52.5	13	54.2
IDU	-	-	-	-	-	-
MSM and IDU	-	-	-	-	-	-
Heterosexual contact	-	-	-	-	-	-
All pediatric mode	-	-	-	-	-	-
Other*	8	-	8	20.0	-	-
Age group						
0-12	-	-	-	-	-	-
13-14	-	-	-	-	-	-
15-24	7	-	7	17.5	-	-
25-34	12	-	13	32.5	-	-
35-44	12	-	12	30.0	-	-
45-54	-	-	-	-	11	45.8
55-64	-	-	-	-	-	-
>=65	-	-	-	-	-	-

Data source: Pa. HIV surveillance

*Other transmission category included unknown transmission category, hemophilia, blood transfusion, and risk not reported, or risk not identified.

Dash (-) indicates a suppressed case count of less than or equal to 5.

Union County

Table 157: Selected Socio-demographic Characteristics, Union County, Pa.

Selected socio-demographic characteristics	Estimate	Percent
Total population	45,178	100
Sex		
Male	24,910	55.1
Female	20,268	44.9
Race/ethnicity		
Hispanic/Latino	2,572	5.7
White	38,103	84.3
Black/African American	2,897	6.4
American Indian and Alaska Native	147	0.3
Asian	692	1.5
Native Hawaiian and other Pacific Islander	14	0.0
Multiple race (two or more races)	721	1.6
Income and poverty		
Median household income (in 2016 dollars), 2012-2016	\$51,349	
Per capita income in past 12 months (in 2016 dollars), 2012-2016	\$23,316	
Persons in poverty		11.8

Data sources: DP05: ACS demographic and housing estimates, 2012-2016 American Community Survey 5-year estimates. QuickFacts, Union County, Pa., retrieved from <https://www.census.gov/quickfacts/table/PST045216/42119>

Newly diagnosed HIV cases and PLWH in Union County, Pa.

In the 2012-2016 five-year American Community Survey, the population of Union County was 45,178 (Table 157). Whites accounted for 84.3% of the total county population, while blacks/African Americans were 6.4%, Asians were 1.5% and Hispanics were 5.7%. From 2012-2016, nine cases were newly diagnosed (Table 158). All these newly diagnosed cases were males. Cumulatively, 178 HIV cases were diagnosed in Union County through year-end 2016, with males accounting for 163 (91.6%) cases and females for 15 (8.4%) cases. By race/ethnicity, blacks/African Americans were 75 (42.1%) cases while Hispanics and whites were each 48 (27%) cases. By transmission mode, IDU accounted for 73 (41%) cases, while MSM accounted for 39 (21.9%) cases, heterosexual contact for 17 (9.6%) cases, and MSM and IDU for 18 (10.1%) cases diagnosed through year-end 2016. At year-end 2016, 191 PLWH resided in Union County.

Table 158: The Number of Persons Diagnosed With HIV Infection by Period of Diagnosis, Sex, Race/Ethnicity, Transmission Category and Number of PLWH at Year-end 2016 in Union County, Pa.

Characteristics	Cumulative cases through 2011	Newly diagnosed cases 2012-2016	Cumulative cases through Dec. 31, 2016		PLWH at year-end 2016	
			Number	Percent	Number	Percent
Total	169	9	178	100	191	100
Sex						
Female	15	-	15	8.4	14	7.3
Male	154	9	163	91.6	177	92.7
Race/ethnicity						
Black/African American	71	-	75	42.1	103	53.9
Hispanic	46	-	48	27.0	39	20.4
Multiple race	6	-	7	3.9	7	3.7
American Indian	-	-	-	-	-	-
White	46	-	48	27.0	41	21.5
Transmission category						
MSM	37	-	39	21.9	51	26.7
IDU	70	-	73	41.0	67	35.1
MSM and IDU	18	-	18	10.1	11	5.8
Heterosexual contact	16	-	17	9.6	32	16.8
All pediatric mode	-	-	-	-	6	3.1
Other*	27	-	29	16.3	24	12.6
Age group						
0-12	-	-	-	-	-	-
13-14	-	-	-	-	-	-
15-24	15	-	17	9.6	6	3.1
25-34	55	-	57	32.0	20	10.5
35-44	67	-	68	38.2	35	18.3
45-54	25	-	27	15.2	62	32.5
55-64	-	-	-	-	55	28.8
>=65	-	-	-	-	13	6.8

Data source: Pa. HIV surveillance

*Other transmission category included unknown transmission category, hemophilia, blood transfusion, and risk not reported, or risk not identified.

Dash (-) indicates a suppressed case count of less than or equal to 5.

Venango County

Table 159: Selected Socio-demographic Characteristics, Venango County, Pa.

Selected socio-demographic characteristics	Estimate	Percent
Total population	53,460	100
Sex		
Male	26,309	49.2
Female	27,151	50.8
Race/ethnicity		
Hispanic/Latino	567	1.1
White	51,390	96.1
Black/African American	390	0.7
American Indian and Alaska Native	24	0.0
Asian	183	0.3
Native Hawaiian and other Pacific Islander	0	0.0
Multiple race (two or more races)	889	1.7
Income and poverty		
Median household income (in 2016 dollars), 2012-2016	\$43,885	
Per capita income in past 12 months (in 2016 dollars), 2012-2016	\$24,257	
Persons in poverty		14.6

Data sources: DP05: ACS demographic and housing estimates, 2012-2016 American Community Survey 5-year estimates. QuickFacts, Venango County, Pa., retrieved from <https://www.census.gov/quickfacts/table/PST045216/42121>

Newly diagnosed HIV cases and PLWH in Venango County, Pa.

In the 2012-2016 five-year American Community Survey, the population of Venango County was 53,460 (Table 159). Whites accounted for 96.1% of the total county population, while Hispanics were 1.1% and blacks/African Americans were 0.7%. From 2012-2016, fewer than five cases were newly diagnosed (Table 160). Cumulatively, 48 HIV cases were diagnosed in Venango County through year-end 2016, with males accounting for 35 (72.9%) cases and females for 13 (27.1%) cases. By race/ethnicity, whites accounted for 44 (91.7%) cases. By transmission mode, MSM accounted for 18 (37.5%) cases, while IDU and heterosexual contact each accounted for 12 (25%) cases diagnosed through year-end 2016. At year-end 2016, 22 PLWH resided in Venango County.

Table 160: The Number of Persons Diagnosed With HIV Infection by Period of Diagnosis, Sex, Race/Ethnicity, Transmission Category and Number of PLWH at Year-end 2016 in Venango County, Pa.

Characteristics	Cumulative cases through 2011	Newly diagnosed cases 2012-2016	Cumulative cases through Dec. 31, 2016		PLWH at year-end 2016	
			Number	Percent	Number	Percent
Total	44	-	48	100	22	100
Sex						
Female	11	-	13	27.1	7	31.8
Male	33	-	35	72.9	15	68.2
Race/ethnicity						
Black/African American	-	-	-	-	-	-
Hispanic	-	-	-	-	-	-
Multiple race	-	-	-	-	-	-
White	41	-	44	91.7	16	72.7
Transmission category						
MSM	17	-	18	37.5	9	40.9
IDU	12	-	12	25.0	-	-
MSM and IDU	-	-	-	-	-	-
Heterosexual contact	10	-	12	25.0	6	27.3
All pediatric mode	-	-	-	-	-	-
Other*	-	-	-	-	-	-
Age group						
0-12	-	-	-	-	-	-
13-14	-	-	-	-	-	-
15-24	8	-	11	22.9	-	-
25-34	15	-	15	31.3	-	-
35-44	14	-	14	29.2	-	-
45-54	-	-	-	-	11	50.0
55-64	-	-	-	-	-	-
>=65	-	-	-	-	-	-

Data source: Pa. HIV surveillance

*Other transmission category included unknown transmission category, hemophilia, blood transfusion, and risk not reported, or risk not identified.

Dash (-) indicates a suppressed case count of less than or equal to 5.

Warren County

Table 161: Selected Socio-demographic Characteristics, Warren County, Pa.

Selected socio-demographic characteristics	Estimate	Percent
Total population	40,649	100
Sex		
Male	20,363	50.1
Female	20,286	49.9
Race/ethnicity		
Hispanic/Latino	406	1.0
White	39,435	97.0
Black/African American	187	0.5
American Indian and Alaska Native	34	0.1
Asian	217	0.5
Native Hawaiian and other Pacific Islander	0	0.0
Multiple race (two or more races)	370	0.9
Income and poverty		
Median household income (in 2016 dollars), 2012-2016	\$44,977	
Per capita income in past 12 months (in 2016 dollars), 2012-2016	\$25,414	
Persons in poverty		15.3

Data sources: DP05: ACS demographic and housing estimates, 2012-2016 American Community Survey 5-year estimates. QuickFacts, Warren County, Pa., retrieved from <https://www.census.gov/quickfacts/table/PST045216/42123>

Newly diagnosed HIV cases and PLWH in Warren County, Pa.

In the 2012-2016 five-year American Community Survey, the population of Warren County was 40,649 (Table 161). Whites accounted for 97% of the total county population. Hispanics were 1% and blacks/African Americans were 0.5% of the county population. From 2012-2016, fewer than five cases were newly diagnosed (Table 162). Cumulatively, 34 HIV cases were diagnosed in Warren County through year-end 2016, with males accounting for 25 (73.5%) cases and females for nine (26.5%) cases. By race/ethnicity, whites accounted for 31 (91.2%) cases. By transmission mode, MSM accounted for 16 (47.1%) cases, while IDU accounted for seven (20.6%) cases at year-end 2016. At year-end 2016, 29 PLWH resided in Warren County.

Table 162: The Number of Persons Diagnosed With HIV Infection by Period of Diagnosis, Sex, Race/Ethnicity, Transmission Category and Number of PLWH at Year-end 2016 in Warren County, Pa.

Characteristics	Cumulative cases through 2011	Newly diagnosed cases 2012-2016	Cumulative cases through Dec. 31, 2016		PLWH at year-end 2016	
			Number	Percent	Number	Percent
Total	33	-	34	100	29	100
Sex						
Female	9	-	9	26.5	-	-
Male	24	-	25	73.5	24	82.8
Race/ethnicity						
Black/African American	-	-	-	-	7	24.1
Hispanic	-	-	-	-	-	-
Multiple race	-	-	-	-	-	-
White	30	-	31	91.2	18	62.1
Transmission category						
MSM	15	-	16	47.1	15	51.7
IDU	7	-	7	20.6	-	-
MSM and IDU	-	-	-	-	-	-
Heterosexual contact	6	-	6	17.6	7	24.1
All pediatric mode	-	-	-	-	-	-
Other*	-	-	-	-	-	-
Age group						
0-12	-	-	-	-	-	-
13-14	-	-	-	-	-	-
15-24	-	-	-	-	-	-
25-34	11	-	11	32.4	-	-
35-44	10	-	10	29.4	-	-
45-54	-	-	-	-	14	48.3
55-64	-	-	-	-	-	-
>=65	-	-	-	-	-	-

Data source: Pa. HIV surveillance

*Other transmission category included unknown transmission category, hemophilia, blood transfusion, and risk not reported, or risk not identified.

Dash (-) indicates a suppressed case count of less than or equal to 5.

Washington County

Table 163: Selected Socio-demographic Characteristics, Washington County, Pa.

Selected socio-demographic characteristics	Estimate	Percent
Total population	208,269	100
Sex		
Male	101,979	49.0
Female	106,290	51.0
Race/ethnicity		
Hispanic/Latino	3,133	1.5
White	193,163	92.7
Black/African American	5,870	2.8
American Indian and Alaska Native	99	0.0
Asian	1,777	0.9
Native Hawaiian and other Pacific Islander	23	0.0
Multiple race (two or more races)	4,010	1.9
Income and poverty		
Median household income (in 2016 dollars), 2012-2016	\$57,534	
Per capita income in past 12 months (in 2016 dollars), 2012-2016	\$31,561	
Persons in poverty		9.7

Data sources: DP05: ACS demographic and housing estimates, 2012-2016 American Community Survey 5-year estimates. QuickFacts, Washington County, Pa., retrieved from <https://www.census.gov/quickfacts/table/PST045216/42125>

Newly diagnosed HIV cases and PLWH in Washington County, Pa.

In the 2012-2016 five-year American Community Survey, the population of Washington County was 208,269 (Table 163). Whites accounted for 92.7% of the total county population, while blacks/African Americans were 2.8% and Hispanics were 1.5%. From 2012-2016, 24 cases were newly diagnosed (Table 164). By sex, 19 (79.2%) cases were males. By race/ethnicity, 20 (83.3%) cases were whites. By mode of transmission, 12 (50%) cases were MSM. Cumulatively, 215 HIV cases were diagnosed in Washington County through year-end 2016, with males accounting for 179 (83.3%) cases and females for 36 (16.7%) cases. By race/ethnicity, whites accounted for 161 (74.9%) cases, while blacks/African Americans accounted for 43 (20%) cases. By transmission mode, MSM accounted for 118 (54.9%) cases, while IDU accounted for 21 (9.8%) cases and heterosexual contact for 22 (10.2%) cases diagnosed through year-end 2016. At year-end 2016, 134 PLWH resided in Washington County.

Table 164: The Number of Persons Diagnosed With HIV Infection by Period of Diagnosis, Sex, Race/Ethnicity, Transmission Category and Number of PLWH at Year-end 2016 in Washington County, Pa.

Characteristics	Cumulative cases through 2011	Newly diagnosed cases 2012-2016	Cumulative cases through Dec. 31, 2016		PLWH at year-end 2016	
			Number	Percent	Number	Percent
Total	191	24	215	100	134	100
Sex						
Female	31	-	36	16.7	18	13.4
Male	160	19	179	83.3	116	86.6
Race/ethnicity						
Asian	-	-	-	-	-	-
Black/African American	40	-	43	20.0	23	17.2
Hispanic	-	-	-	-	6	4.5
Multiple race	-	-	-	-	10	7.5
Native Hawaiian	-	-	-	-	-	-
White	141	20	161	74.9	93	69.4
Transmission category						
MSM	106	12	118	54.9	82	61.2
IDU	21	-	21	9.8	11	8.2
MSM and IDU	11	-	12	5.6	7	5.2
Heterosexual contact	21	-	22	10.2	13	9.7
All pediatric mode	-	-	-	-	-	-
Other*	31	10	41	19.1	20	14.9
Age group						
0-12	-	-	-	-	-	-
13-14	-	-	-	-	-	-
15-24	27	-	30	14.0	-	-
25-34	61	-	65	30.2	12	9.0
35-44	59	9	68	31.6	17	12.7
45-54	24	-	29	13.5	61	45.5
55-64	13	-	16	7.4	35	26.1
>=65	-	-	-	-	6	4.5

Data source: Pa. HIV surveillance

*Other transmission category included unknown transmission category, hemophilia, blood transfusion, and risk not reported, or risk not identified.

Dash (-) indicates a suppressed case count of less than or equal to 5.

Wayne County

Table 165: Selected Socio-demographic Characteristics, Wayne County, Pa.

Selected socio-demographic characteristics	Estimate	Percent
Total population	51,307	100
Sex		
Male	27,266	53.1
Female	24,041	46.9
Race/ethnicity		
Hispanic/Latino	2,080	4.1
White	46,713	91.0
Black/African American	1,654	3.2
American Indian and Alaska Native	82	0.2
Asian	286	0.6
Native Hawaiian and Other Pacific Islander	8	0.0
Multiple race (two or more races)	466	0.9
Income and poverty		
Median household income (in 2016 dollars), 2012-2016	\$50,595	
Per capita income in past 12 months (in 2016 dollars), 2012-2016	\$24,962	
Persons in poverty		13.7

Data sources: DP05: ACS demographic and housing estimates, 2012-2016 American Community Survey 5-year estimates. QuickFacts, Wayne County, Pa., retrieved from <https://www.census.gov/quickfacts/table/PST045216/42127>

Newly diagnosed HIV cases and PLWH in Wayne County, Pa.

In the 2012-2016 five-year American Community Survey, the population of Wayne County was 51,307 (Table 165). Whites accounted for 91% of the total county population, while blacks/African Americans were 3.2%, Asians, 0.6% and Hispanics, 4.1%. From 2012-2016, 11 cases were newly diagnosed (Table 166). By sex, nine (81.8%) cases were males. By race/ethnicity, six (54.5%) cases were whites. Cumulatively, 125 HIV cases were diagnosed in Wayne County through year-end 2016, with males accounting for 102 (81.6%) cases and females for 23 (18.4%) cases. By race/ethnicity, whites were 68 (54.4%) cases, blacks/African were 29 (23.2%) cases and Hispanics were 26 (20.8%) cases at year-end 2016. By transmission mode, IDU accounted for 54 (43.2%) cases, while MSM accounted for 23 (18.4%) cases and heterosexual contact for 24 (19.2%) cases diagnosed through year-end 2016. At year-end 2016, 154 PLWH resided in Wayne County.

Table 166: The Number of Persons Diagnosed With HIV Infection by Period of Diagnosis, Sex, Race/Ethnicity, Transmission Category and Number of PLWH at Year-end 2016 in Wayne County, Pa.

Characteristics	Cumulative cases through 2011	Newly diagnosed cases 2012-2016	Cumulative cases through Dec. 31, 2016		PLWH at year-end 2016	
			Number	Percent	Number	Percent
Total	114	11	125	100	154	100
Sex						
Female	21	-	23	18.4	24	15.6
Male	93	9	102	81.6	130	84.4
Race/ethnicity						
Black/African American	26	-	29	23.2	59	38.3
Hispanic	24	-	26	20.8	33	21.4
Multiple race	-	-	-	-	-	-
White	62	6	68	54.4	58	37.7
Transmission category						
MSM	22	-	23	18.4	34	22.1
IDU	51	-	54	43.2	38	24.7
MSM and IDU	7	-	7	5.6	10	6.5
Heterosexual contact	19	-	24	19.2	49	31.8
All pediatric mode	-	-	-	-	-	-
Other*	12	-	14	11.2	18	11.7
Age group						
0-12	-	-	-	-	-	-
13-14	-	-	-	-	-	-
15-24	6	-	6	4.8	-	-
25-34	32	-	33	26.4	19	12.3
35-44	47	7	54	43.2	37	24.0
45-54	20	-	23	18.4	53	34.4
55-64	-	-	-	-	36	23.4
>=65	1	0	1	0.8	8	5.2

Data source: Pa. HIV surveillance

*Other transmission category included unknown transmission category, hemophilia, blood transfusion, and risk not reported, or risk not identified.

Dash (-) indicates a suppressed case count of less than or equal to 5.

Westmoreland County

Table 167: Selected Socio-demographic Characteristics, Westmoreland County, Pa.

Selected socio-demographic characteristics	Estimate	Percent
Total population	359,377	100
Sex		
Male	175,500	48.8
Female	183,877	51.2
Race/ethnicity		
Hispanic/Latino	3,825	1.1
White	338,647	94.2
Black/African American	8,531	2.4
American Indian and Alaska Native	164	0.0
Asian	3,239	0.9
Native Hawaiian and other Pacific Islander	18	0.0
Multiple race (two or more races)	4,746	1.3
Income and poverty		
Median household income (in 2016 dollars), 2012-2016	\$54,142	
Per capita income in past 12 months (in 2016 dollars), 2012-2016	\$30,153	
Persons in poverty		9.8

Data sources: DP05: ACS demographic and housing estimates, 2012-2016 American Community Survey 5-year estimates. QuickFacts, Westmoreland County, Pa., retrieved from <https://www.census.gov/quickfacts/table/PST045216/42129>

Newly diagnosed HIV cases and PLWH in Westmoreland County, Pa.

In the 2012-2016 five-year American Community Survey, the population of Westmoreland County was 359,377 (Table 167). Whites accounted for 94.2% of the total county population, while blacks/African Americans were 2.4% and Hispanics were 1.1%. From 2012-2016, 39 cases were newly diagnosed (Table 168). By sex, 34 (87.2%) cases were males. By race/ethnicity, six (15.4%) cases were blacks/African Americans and 30 (76.9%) cases were whites. By mode of transmission, 20 (51.3%) cases were MSM. Cumulatively, 348 HIV cases were diagnosed in Westmoreland County through year-end 2016, with males accounting for 302 (86.8%) cases and females for 46 (13.2%) cases. By race/ethnicity, whites were 280 (80.5%) cases, blacks/African Americans were 45 (12.9%) cases and Hispanics were 19 (5.5%) cases at year-end 2016. By transmission mode, MSM accounted for 208 (59.8%) cases, while IDU accounted for 48 (13.8%) cases, heterosexual contact for 33 (9.5%) cases, and MSM and IDU for 20 (5.7%) cases diagnosed through year-end 2016. At year-end 2016, 195 PLWH resided in Westmoreland County.

Table 168: The Number of Persons Diagnosed With HIV Infection by Period of Diagnosis, Sex, Race/Ethnicity, Transmission Category and Number of PLWH at Year-end 2016 in Westmoreland County, Pa.

Characteristics	Cumulative cases through 2011	Newly diagnosed cases 2012-2016	Cumulative cases through Dec. 31, 2016		PLWH at year-end 2016	
			Number	Percent	Number	Percent
Total	309	39	348	100	195	100
Sex						
Female	41	-	46	13.2	30	15.4
Male	268	34	302	86.8	165	84.6
Race/ethnicity						
Asian	-	-	-	-	-	-
Black/African American	39	6	45	12.9	36	18.5
Hispanic	16	-	19	5.5	14	7.2
Multiple race	-	-	-	-	-	-
White	250	30	280	80.5	139	71.3
Transmission category						
MSM	188	20	208	59.8	121	62.1
IDU	45	-	48	13.8	16	8.2
MSM and IDU	18	-	20	5.7	8	4.1
Heterosexual contact	29	-	33	9.5	29	14.9
All pediatric mode	-	-	-	-	-	-
Other*	29	9	38	10.9	21	10.8
Age group						
0-12	-	-	-	-	-	-
13-14	-	-	-	-	-	-
15-24	26	-	29	8.3	-	-
25-34	100	15	115	33.0	20	10.3
35-44	100	8	108	31.0	41	21.0
45-54	61	10	71	20.4	61	31.3
55-64	17	-	19	5.5	53	27.2
>=65	-	-	-	-	15	7.7

Data source: Pa. HIV surveillance

*Other transmission category included unknown transmission category, hemophilia, blood transfusion, and risk not reported, or risk not identified.

Dash (-) indicates a suppressed case count of less than or equal to 5.

Wyoming County

Table 169: Selected Socio-demographic Characteristics, Wyoming County, Pa.

Selected socio-demographic characteristics	Estimate	Percent
Total population	27,975	100
Sex		
Male	14,051	50.2
Female	13,924	49.8
Race/ethnicity		
Hispanic/Latino	498	1.8
White	26,821	95.9
Black/African American	243	0.9
American Indian and Alaska Native	15	0.1
Asian	115	0.4
Native Hawaiian and other Pacific Islander	0	0.0
Multiple race (two or more races)	278	1.0
Income and poverty		
Median household income (in 2016 dollars), 2012-2016	\$53,397	
Per capita income in past 12 months (in 2016 dollars), 2012-2016	\$26,823	
Persons in poverty		11.3

Data sources: DP05: ACS demographic and housing estimates, 2012-2016 American Community Survey 5-year estimates. QuickFacts, Wyoming County, Pa., retrieved from <https://www.census.gov/quickfacts/table/PST045216/42131>

Newly Diagnosed HIV cases and PLWH in Wyoming County, Pa.

In the 2012-2016 five-year American Community Survey, the population of Wyoming County was 27,975 (Table 169). Whites accounted for 95.9% of the total county population, while Hispanics were 1.8% and blacks/African Americans were 0.9%. From 2012-2016, fewer than five cases were newly diagnosed (Table 170). Cumulatively, 26 HIV cases were diagnosed in Wyoming County through year-end 2016, with males accounting for 22 (84.6%) cases. By race/ethnicity, whites accounted for 25 (96.2%) cases. By transmission mode, MSM accounted for 11 (42.3%) cases, while IDU accounted for seven (26.9%) cases diagnosed through year-end 2016. At year-end 2016, 12 PLWH resided in Wyoming County.

Table 170: The Number of Persons Diagnosed With HIV Infection by Period of Diagnosis, Sex, Race/Ethnicity, Transmission Category and Number of PLWH at Year-end 2016 in Wyoming County, Pa.

Characteristics	Cumulative cases through 2011	Newly diagnosed cases 2012-2016	Cumulative cases through Dec. 31, 2016		PLWH at year-end 2016	
			Number	Percent	Number	Percent
Total	25	-	26	100	12	100
Sex						
Female	-	-	-	-	-	-
Male	21	-	22	84.6	7	58.3
Race/ethnicity						
Multiple race	-	-	-	-	-	-
White	24	-	25	96.2	11	91.7
Transmission category						
MSM	10	-	11	42.3	-	-
IDU	7	-	7	26.9	-	-
MSM and IDU	-	-	-	-	-	-
Heterosexual contact	-	-	-	-	-	-
All pediatric mode	-	-	-	-	-	-
Other*	-	-	-	-	-	-
Age group						
0-12	-	-	-	-	-	-
13-14	-	-	-	-	-	-
15-24	-	-	-	-	-	-
25-34	7	-	7	26.9	-	-
35-44	8	-	9	34.6	-	-
45-54	7	-	7	26.9	-	-
55-64	-	-	-	-	-	-
>=65	-	-	-	-	-	-

Data source: Pa. HIV surveillance

*Other transmission category included unknown transmission category, hemophilia, blood transfusion, and risk not reported, or risk not identified.

Dash (-) indicates a suppressed case count of less than or equal to 5.

York County

Table 171: Selected Socio-demographic Characteristics, York County, Pa.

Selected socio-demographic characteristics	Estimate	Percent
Total population	440,604	100
Sex		
Male	217,812	49.4
Female	222,792	50.6
Race/ethnicity		
Hispanic/Latino	29,299	6.6
White	373,304	84.7
Black/African American	23,152	5.3
American Indian and Alaska Native	332	0.1
Asian	6,013	1.4
Native Hawaiian and Other Pacific Islander	22	0.0
Multiple race (two or more races)	7,964	1.8
Income and poverty		
Median household income (in 2016 dollars), 2012-2016	\$59,853	
Per capita income in past 12 months (in 2016 dollars), 2012-2016	\$28,975	
Persons in poverty		9.8

Data sources: DP05: ACS demographic and housing estimates, 2012-2016 American Community Survey 5-year estimates. QuickFacts, York County, Pa., retrieved from <https://www.census.gov/quickfacts/table/PST045216/42133>

Newly diagnosed HIV cases and PLWH in York County, Pa.

In the 2012-2016 five-year American Community Survey, the population of York County was 440,604 (Table 171). Whites accounted for 84.7% of the total county population, while blacks/African Americans were 5.3%, Asians, 1.4% and Hispanics, 6.6%. From 2012-2016, 146 cases were newly diagnosed (Table 172). By sex, 43 (29.5%) cases were females and 103 (70.5%) cases were males. By race/ethnicity, 41 (28.1%) cases were blacks/African Americans, 29 (19.9%) cases were Hispanics and 72 (49.3%) cases were whites. By mode of transmission, 60 (41.1%) cases were MSM, 19 (13%) cases were IDU-related and 38 (26%) cases were through heterosexual contact. Cumulatively, 1,279 HIV cases were diagnosed in York County through year-end 2016, with males accounting for 876 (68.5%) cases and females for 403 (31.5%) cases. By race/ethnicity, whites were 654 (51.1%) cases, while blacks/African Americans were 325 (25.4%) cases and Hispanics were 233 (18.2%) cases through year-end 2016. By transmission mode, MSM accounted for 395 (30.9%) cases, while IDU accounted for 379 (29.6%) cases and heterosexual contact for 309 (24.2%) cases diagnosed through year-end 2016. At year-end 2016, 1,024 PLWH resided in York County.

Table 172: The Number of Persons Diagnosed With HIV Infection by Period of Diagnosis, Sex, Race/Ethnicity, Transmission Category and Number of PLWH at Year-end 2016 in York County, Pa.

Characteristics	Cumulative cases through 2011	Newly diagnosed cases 2012-2016	Cumulative cases through Dec. 31, 2016		PLWH at year-end 2016	
			Number	Percent	Number	Percent
Total	1,133	146	1,279	100	1,024	100
Sex						
Female	360	43	403	31.5	326	31.8
Male	773	103	876	68.5	698	68.2
Race/ethnicity						
Asian	-	-	-	-	-	-
Black/African American	284	41	325	25.4	271	26.5
Hispanic	204	29	233	18.2	232	22.7
Multiple race	60	-	64	5.0	54	5.3
Native Hawaiian	-	-	-	-	-	-
White	582	72	654	51.1	461	45.0
Transmission category						
MSM	335	60	395	30.9	352	34.4
IDU	360	19	379	29.6	207	20.2
MSM and IDU	37	-	40	3.1	40	3.9
Heterosexual contact	271	38	309	24.2	297	29.0
All pediatric mode	15	0	15	1.2	12	1.2
Other*	115	26	141	11.0	116	11.3
Age group						
0-12	15	0	15	1.2	-	-
13-14	-	-	-	-	-	-
15-24	116	24	140	10.9	27	2.6
25-34	359	37	396	31.0	111	10.8
35-44	393	29	422	33.0	192	18.8
45-54	185	42	227	17.7	386	37.7
55-64	54	12	66	5.2	233	22.8
>=65	7	-	9	0.7	72	7.0

Data source: Pa. HIV surveillance

*Other transmission category included unknown transmission category, hemophilia, blood transfusion, and risk not reported, or risk not identified.

Dash (-) indicates a suppressed case count of less than or equal to 5.

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