

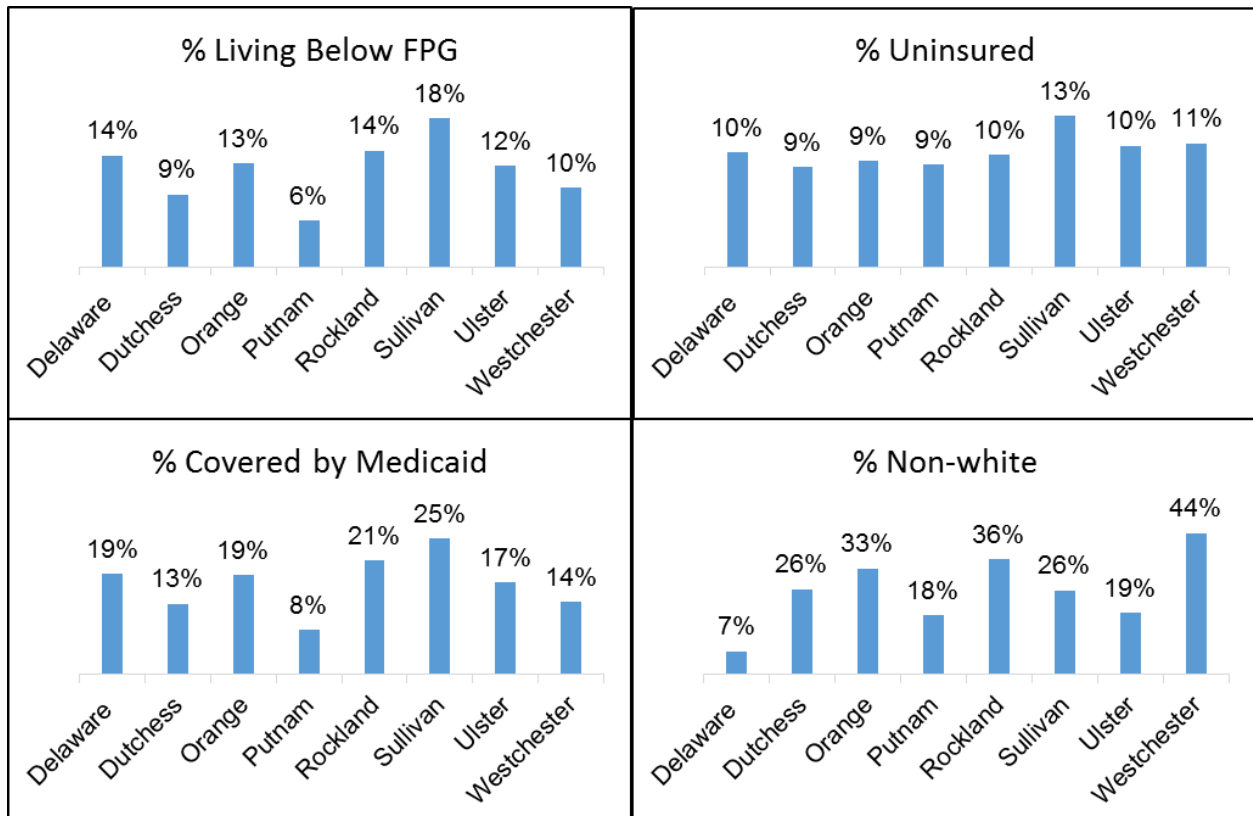
# Westchester Medical Center PPS Community Profile

*Counties served:* Delaware, Dutchess, Orange, Putnam, Rockland, Sullivan, Ulster, Westchester

## DEMOGRAPHICS <sup>1</sup>

The eight counties served by the Westchester Medical Center PPS have a total 2014 population of **2,357,821**. The region's largest cities are Yonkers (population 199,766), New Rochelle (population 79,466) and Mount Vernon (population 68,244) in Westchester County.

- **Age:** Across all eight counties, 20.4% of the population is age 60 or older.
- **Race/Ethnicity:** Overall, the eight counties have a population that is 65.4% White. While Delaware County's non-White residents comprise only 7.2% of the total population, the proportions of Black, Hispanic, Other Race, and Multi-Race total between 18% and 44% for the remaining seven counties.
- **Foreign-born residents:** 18.0% of residents are foreign-born.
- **Language:** 73.4% of residents of these counties speak only English at home. Between 2.2% (Delaware) and 19.3% (Westchester) of each county's residents speak Spanish at home, and those that do generally identify as of Puerto Rican or Mexican descent.
- **Poverty:** Overall poverty rate is 11.0% for the PPS region. Sullivan County has the greatest percentage (18.0%) of residents living below Federal Poverty Guidelines (FPG), while Putnam (5.6%) has the lowest percentage.



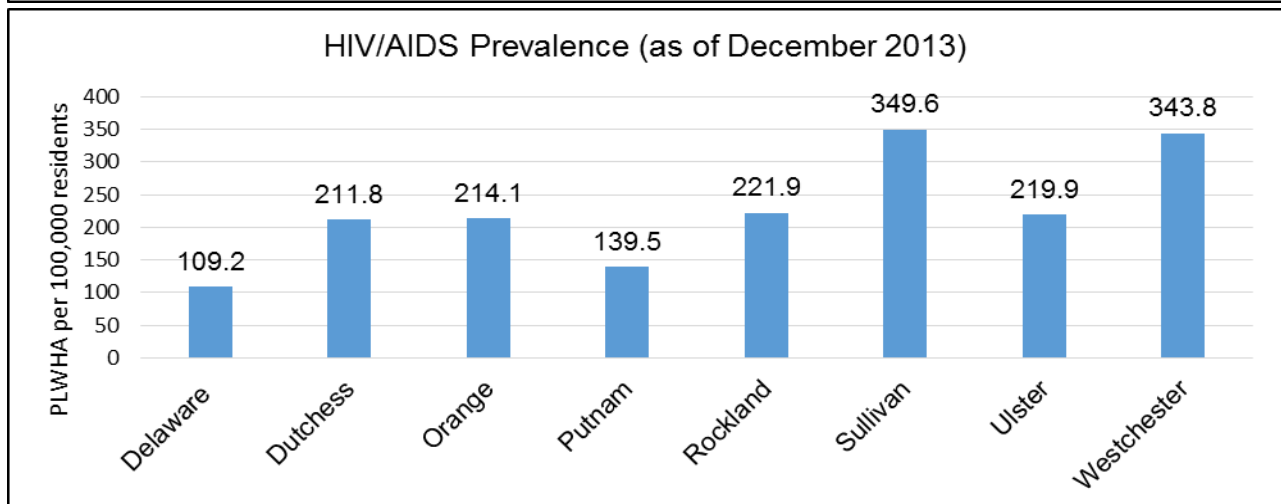
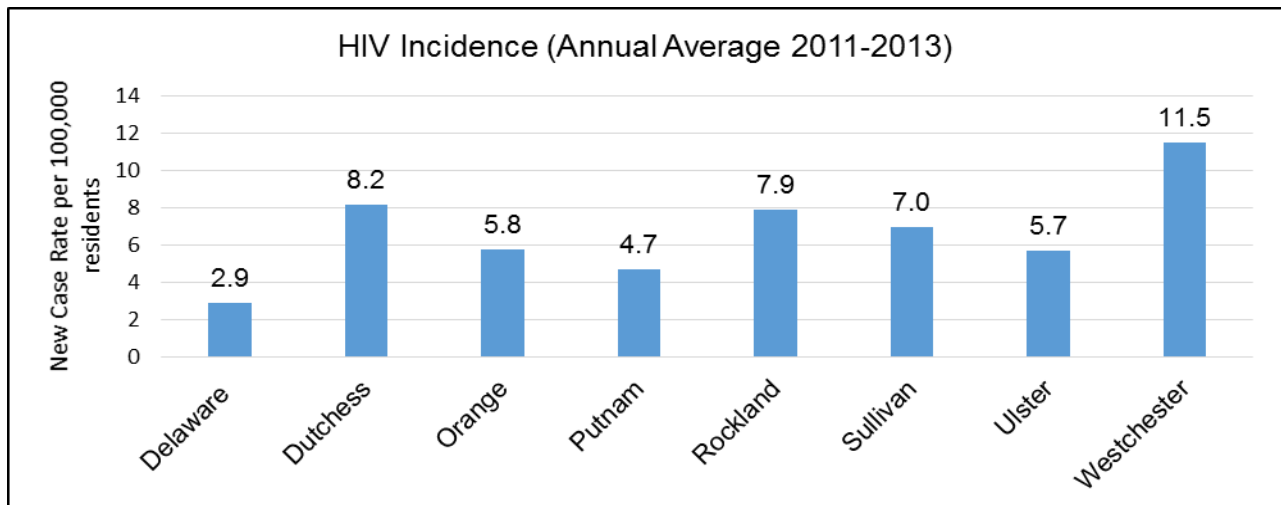
## HIV/AIDS <sup>2 3</sup>

**New HIV Diagnoses:** Between 2011 and 2013, there were a total of 613 new HIV diagnoses in the PPS's eight counties. Westchester County had the largest number of new HIV cases – 334 during these three years, followed by Rockland County's 76. Delaware and Putnam counties had the lowest numbers of new diagnoses: four and 14, respectively. HIV incidences for six of the eight counties are lower than NY State's overall case rate with New York City excluded – 8.2 new cases per 100,000 residents.

**PLWHA:** As of December 31, 2013, there were 6,332 people living with HIV/AIDS in the PPS's region; each county's number of PLWHA ranged from 51 (Delaware) to 3,331 (Westchester). HIV prevalence rates for these counties are lower than New York State's overall 666.9 PLWHA per 100,000 residents.

**Deaths:** From 2011 to 2013, a total 314 deaths occurred among PLWHA in the PPS region.

**HIV/AIDS Hospitalization Costs:** In 2014, HIV-related hospitalization costs across the region (201 patients and 2,192 days) totaled \$14,963,099; 47% of costs occurred in Westchester County.

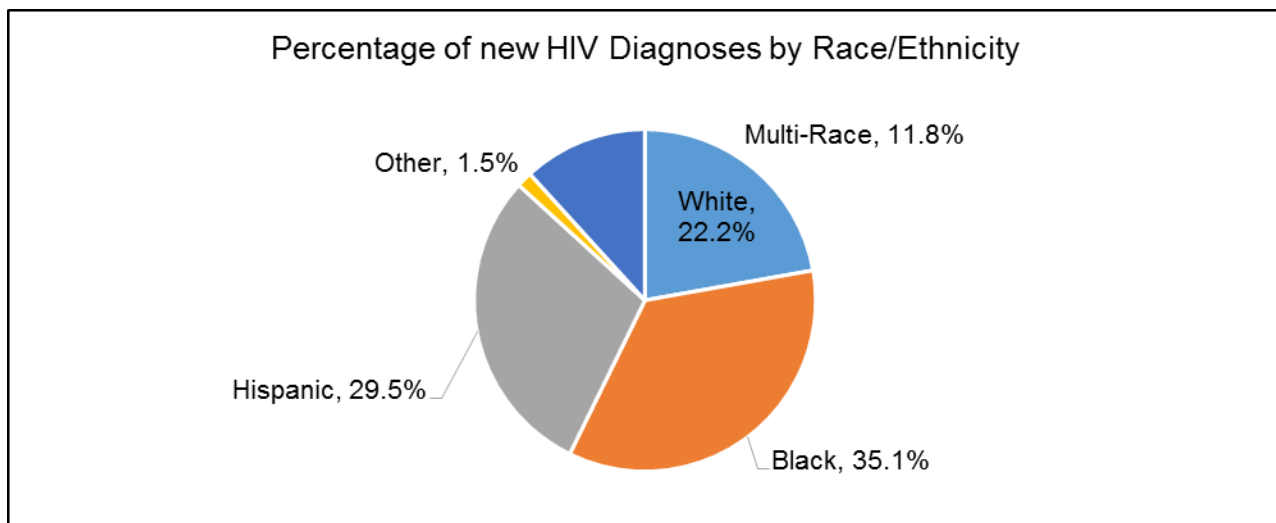
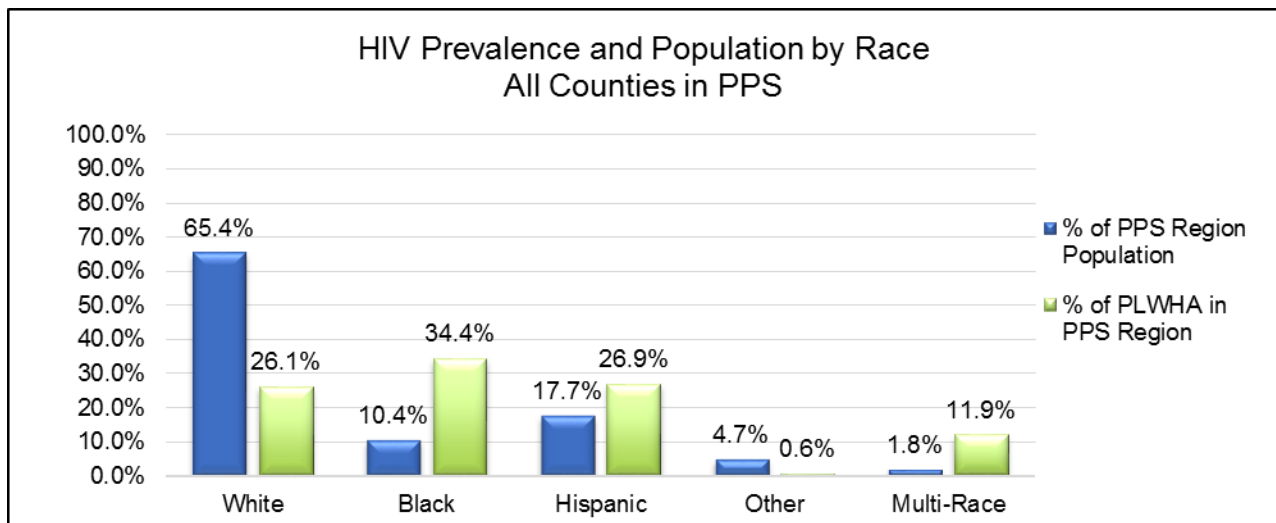


## HIV DISPARITIES <sup>1 2</sup>

HIV and AIDS disproportionately impact non-White residents – and especially residents identifying as Hispanic (of any race), Black (non-Hispanic), and Multi-Race (non-Hispanic) – across all eight of the PPS’s counties.

Despite Black individuals making up only 10.4% of the counties’ total population, this racial group represented 34.4% of all PLWHA in the region, as well as 35.1% of the region’s new HIV diagnoses between 2011 and 2013. Similarly, Hispanics accounted for 29.5% of new diagnoses and 26.9% of PLWHA in these eight counties, while comprising 17.7% of the total population. People who identify as more than one race (non-Hispanic ethnicity) represent only 1.8% of the PPS’s general population, but 11.9% of its PLWHA and 11.8% of its new HIV diagnoses.

Of all PLWHA in the PPS region, 23.0% (1,457 individuals) indicated transmission by injection drug use (IDU) or MSM/IDU, and 29.2% (1,847) indicated transmission by MSM.

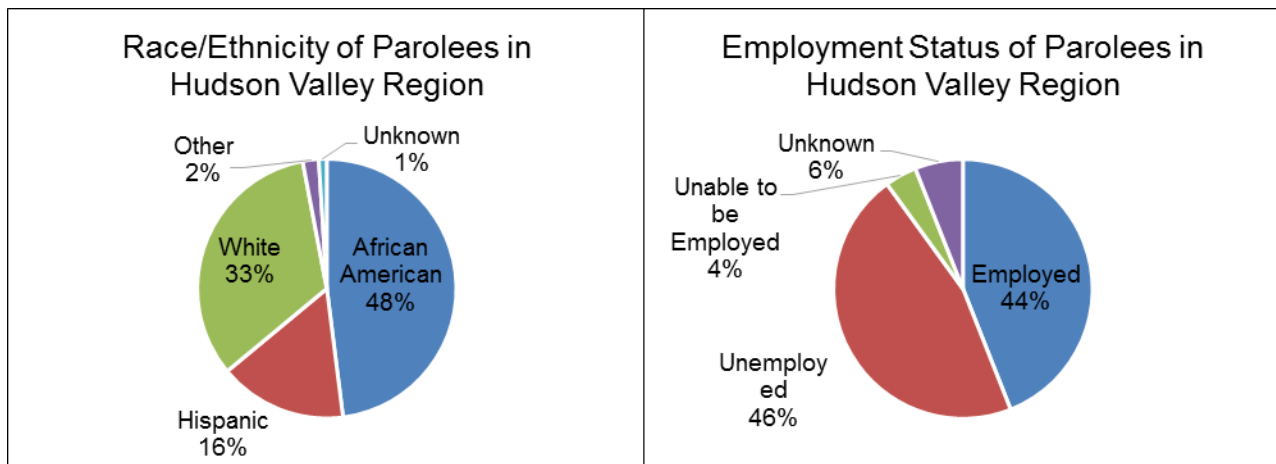


## Homelessness

- The Westchester Medical Center PPS spans six HUD Continuum of Care (CoC) regions (NY-601, NY-602, NY-604, NY-606, NY-607, and NY-608), which are comprised of Dutchess, Orange, Westchester, Rockland, Sullivan, and Ulster Counties.
  - In this region in January 2015, a total of **3,257 individuals were homeless**. Of these, 2,977 were sheltered and 280 were unsheltered.
  - Fifty-one percent – 1,653 individuals – were members of homeless families.
  - The number of **homeless unaccompanied youth (under age 25) was 201**.

## Parolees in the Region

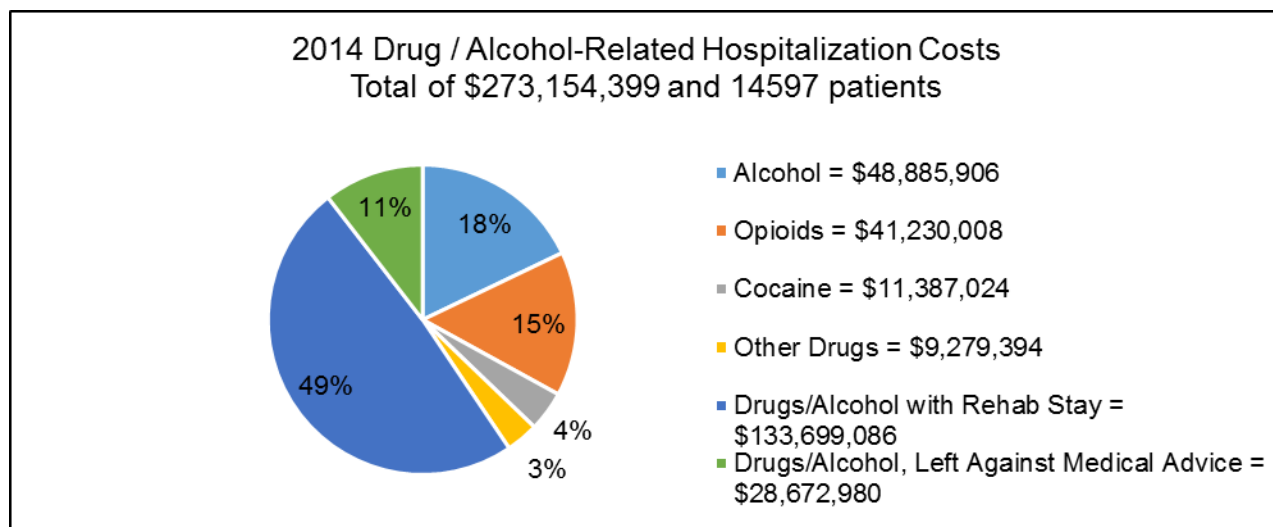
- As of December 2015, **3,983 parolees reside** in the Hudson Valley region.
- **Counties included in the Hudson Valley region:** Albany, Dutchess, Greene, Orange, Putnam, Rockland, Schenectady, Schoharie, Sullivan, Ulster, Westchester.



## Substance Use

- 14.6% of adults in the PPS region smoke cigarettes, a rate lower than the statewide rate of 15.9%. Sullivan County has the highest rate of smokers (24.8% of adults).
- 16.1% of adults reported binge drinking in the last month, slightly lower than the statewide rate of 17.7%.
- The eight counties in the Westchester Medical Center PPS incurred **total drug/alcohol-related hospitalization costs** of over **\$273.1 million in 2014, serving 14,597 patients**.
  - Westchester County accounted for the vast majority of costs; in 2014 the county served 9,161 patients and incurred \$146.7 million in drug/alcohol-related hospitalization costs.
  - Dutchess County served 1,473 patients at a cost of \$41.1 million, and, similarly, Rockland County served 1,471 patients at a cost of \$39.3 million.
  - Putnam County (46 patients and \$994,367) accounted for the smallest share of costs.
- PPS-wide, the majority of costs were incurred by patients admitted for “Drug or Alcohol Dependence with Rehab or Detox Therapy,” for which 3,108 patients were served at a total cost of \$133.7 million.

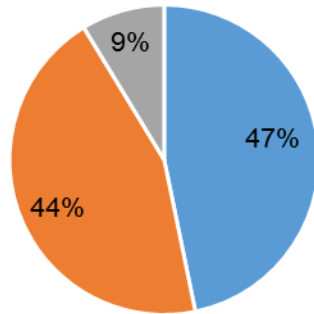
- 3,038 patients were treated for “Alcohol Abuse and Dependence,” accounting for \$48.9 million in hospitalization costs.
- 3,702 patients were treated for “Opioid Abuse and Dependence,” at a cost of \$41.2 million.
- In addition, \$28.7 million in costs were incurred for 3,075 patients categorized as “Drug or Alcohol Abuse or Dependence, Left Against Medical Advice.”



## Mental Health

- Average Age-adjusted Percentage of Adults with Poor Mental Health for 14 days or more Days in the Past Month: 10.8%, lower than the state-wide rate of 11.1%.
- **Mental health-related hospitalization costs across all eight counties totaled over \$715.1 million, serving 16,713 patients.**
  - The vast majority of mental health-related hospitalization costs were incurred by Westchester County (\$560.0 million, or 78% of the entire PPS’s mental health hospitalization costs), which served 11,279 patients in 2014.
  - Orange County served 1,700 patients at a total cost of \$55.7 million, and Ulster served 975 patients and spent \$34.0 million.
  - Rockland served 593 patients and incurred \$27.9 million, and Putnam served 715 and incurred \$18.0 million.
- The majority of mental health-related hospitalization costs were for 9,725 patients admitted for mood disorders, incurring a total cost of over \$334.5 million.
  - Schizophrenia and other psychotic disorders accounted for \$318.4 million in costs for 5,189 patients.
  - And, 1,795 patients were admitted for other mental health disorders, incurring \$62.2 million in hospitalization costs.

2014 Mental Health-Related Hospitalization Costs  
Total of \$715,154,937 and 16713 patients



- Mood Disorders = \$334,519,542
- Schizophrenia and other psychotic disorders = \$318,355,701
- Other Mental Health = \$62,279,694

## SOURCES

<sup>1</sup> U.S. Census Bureau, 2010-2014 American Community Survey 5-Year Estimates.

<sup>2</sup> New York State HIV/AIDS County Surveillance Report (Excludes State Prison Inmates) For Cases Diagnosed Through December 2013. Bureau of HIV/AIDS Epidemiology AIDS, AIDS Institute, New York State Department of Health, August 2015.

<sup>3</sup> New York State Department of Health, Statewide Planning and Research Cooperative System (SPARCS). APR Diagnosis Related Group (DRG) Report by County for 2014 Inpatient Data.  
APR DRG = HIV with Major Related Conditions (892) and HIV with Multiple Major Related Conditions (890).

<sup>4</sup> U.S. Housing and Urban Development, Continuum of Care Homeless Assistance Program Homeless Population and Subpopulation Report, Point in Time (PIT) counts from January 2015. Published November 2015. Retrieved July 2016 from <https://www.hudexchange.info/resources/documents/2007-2015-PIT-counts-by-CoC.xls>

<sup>5</sup> New York State Department of Corrections, 2015 FOIA request on Community Supervision Offenders.

<sup>6</sup> 2013-2014 NYS Expanded Behavioral Risk Factor Surveillance System (NYS Counties outside NYC); 2013 NYS Behavioral Risk Factor Surveillance System (NYC counties), data as of 2015. Retrieved July 2016 from <https://www.health.ny.gov/statistics/chac/general/g110.htm>; <https://www.health.ny.gov/statistics/chac/general/g108.htm>.

<sup>7</sup> New York State Department of Health, Statewide Planning and Research Cooperative System (SPARCS). APR Major Diagnostic Category (MDC) by Diagnosis Related Group (DRG) Report by County for 2014 Inpatient Data.

APR MDC = Alcohol / Drug Use & Alcohol/Drug Induced Organic Mental Disorders.  
APR DRG = Alcohol & Drug Dependence w Rehab or Rehab/Detox Therapy (772); Alcohol Abuse & Dependence (775); Cocaine Abuse & Dependence (774); Drug & Alcohol Abuse or Dependence, Left Against Medical Advice (770); Opioid Abuse & Dependence (773); and Other Drug Abuse & Dependence (776).

<sup>8</sup> New York State Department of Health, Statewide Planning and Research Cooperative System (SPARCS). APR Major Diagnostic Category (MDC) by Clinical Classification (CCS) Diagnosis Category Report by County for 2014 Inpatient Data.

APR MDC = Mental Diseases and Disorders.  
CCS Diagnosis Categories = Mood Disorders (657); Schizophrenia and other psychotic disorders (659); and, sum of all other CCS Diagnoses under Mental Diseases and Disorders: Adjustment Disorders (650), Anxiety Disorders (651), Attention-Deficit (652), Delirium (653), Developmental Disorders (654), Miscellaneous Disorders (670), Other congenital abnormalities (217), Personality disorders (658), and Suicide and other intentional self-inflicted injury (662).

<sup>9</sup> 2013-2014 NYS Expanded Behavioral Risk Factor Surveillance System (NYS Counties outside NYC); 2013 NYS Behavioral Risk Factor Surveillance System (NYC counties), data as of 2015. Retrieved July 2016 from <https://www.health.ny.gov/statistics/chac/general/g106.htm>

## Community-Based Organizations funded by NYS Department of Health, AIDS Institute in the Westchester Medical Center PPS Region

<p><b>Catharine Street Community Center</b> 69 Catharine St Poughkeepsie, NY 12601</p> <p>Contact: Shirley Adams, Executive Director Phone: (845) 473-2272 Email: <a href="mailto:sadams@catharinecenter.org">sadams@catharinecenter.org</a></p>	<p><b>Hudson River Health Care, Inc.</b> 1037 Main St Peekskill, NY 10566</p> <p>Contact person: Allison Dubois, MPH, Chief Operating Officer Phone: (914) 734-8503 Email: <a href="mailto:adubois@hrhcare.org">adubois@hrhcare.org</a></p>
<p><b>The Greater Hudson Valley Family Health Center, Inc.</b> 2570 US Route 9W North, Suite 10 Cornwall, NY 12518</p> <p>Contact person: Linda Muller, President / CEO Phone: (845) 220-3100 Email: <a href="mailto:lmuller@ghvfhc.org">lmuller@ghvfhc.org</a></p>	<p><b>Family Services of Westchester, Inc.</b> 1 Gateway Plz, 4th floor Port Chester, NY 10573</p> <p>Contact person: Susan Wayne, President / CEO Phone: (914) 937-2320 Email: <a href="mailto:swayne@fsw.org">swayne@fsw.org</a></p>
<p><b>Middletown Community Health Center, Inc.</b> 21 Orchard Street, PO Box 987 Middletown, NY 10940</p> <p>Contact person: Theresa M. Butler, MPA, CEO Phone: (845) 343-7614 Email: <a href="mailto:tmbutler@middletownchc.org">tmbutler@middletownchc.org</a></p>	
<p><b>Long Island Gay and Lesbian Youth, Inc.</b> 20 Crossways Park, Suite 110 Woodbury, NY 11797</p> <p>Contact person: David Kilmnick, PhD, MSW, CEO Phone: (516) 323-0011 Email: <a href="mailto:david@liglbtcenter.org">david@liglbtcenter.org</a></p>	
<p><b>Hudson Valley Community Services, Inc.</b> 40 Saw Mill River Rd Hawthorne, NY 10532</p> <p>Contact person: Andrea C. Straus, Executive Director Phone: (914) 785-8265 Email: <a href="mailto:Astraus@hudsonvalleycs.org">Astraus@hudsonvalleycs.org</a></p>	



## **Additional Resources**

### **AIDS Institute HIV Education & Training Program**

The site offers a range of trainings that are intended for non-physician health and human services providers who offer HIV, STI and viral hepatitis prevention, testing, care, and support services. All trainings are free of charge and funded by the New York State Department of Health AIDS Institute.

<https://www.hivtrainingny.org/>

### **Ending the Epidemic (ETE) Dashboard**

This purpose of this site is to measure, track and disseminate actionable information on progress towards achieving New York State's Ending the Epidemic (EtE) Initiative's goals to all interested stakeholders.

<http://etedashboardny.org/>

### **NYS Department of Health HIV/AIDS Home Page**

The New York State Department of Health, AIDS Institute has lead responsibility for coordinating state programs, services and activities relating to HIV/AIDS, sexually transmitted diseases (STDs) and hepatitis C. The site provides resources related to the AIDS Institute's priorities and work as well as links to resources for consumers and providers and surveillance statistics.

<https://www.health.ny.gov/diseases/aids/>

### **NY Links**

NY Links focuses on improving linkage to care and retention in care and supports the delivery of routine, timely, and effective care for Persons living with HIV/AIDS (PLWHA) in New York State. NY Links uses a regional approach, utilizing the learning collaborative model, to fortify the links holding together communities of practice, and the links grounding them in the communities of consumers they serve.

<http://www.newyorklinks.org/>

# Delaware County Community Profile

## DEMOGRAPHICS<sup>i</sup>

Delaware County's Total Population is **47,223**.

- Residents in Delaware County are older; they have a median age of 46.0, and 28.3% are 60 years or older.
- 92.8% of the population is White; 1.8% is Black, 3.4% Hispanic, 1.0% Multi-Race and 1.0% Other Races.
- Only 3.6% of residents are foreign-born.
- 94% of residents speak only English at home; of the 2.2% who speak Spanish at home, the majority are from Mexico or Puerto Rico.

## ECONOMIC INDICATORS<sup>ii</sup>

Indicator	Delaware County	NY Statewide Rate
Median Household Income	\$44,183	\$58,687
% living at less than 100% of Federal Poverty Level	13.5%	16.0%
Unemployment Rate	10.1%	8.9%
% receiving Medicaid / means-tested Public Coverage	18.8%	22.5%
% Uninsured	9.7%	10.6%

## HIV/AIDS IN DELAWARE COUNTY

New HIV Infections: Between 2011 and 2013, the average annual number of new HIV diagnoses in Delaware County was 1.3 per year. Annual HIV incidence is 2.9 per 100,000 residents.

PLWHA: As of December 31, 2013, there were 51 people living with HIV/AIDS in Delaware County. HIV prevalence is 109.2 per 100,000 residents. (New York State's overall prevalence is 666.9 per 100,000 residents.)

Deaths: Between 2011 and 2013, the average annual number of deaths among PLWHA was 1.3.

### HIV/AIDS Incidence, Prevalence, and Deaths<sup>iii</sup>

	# of New HIV Diagnoses	%	# of PLWHA	%	# Deaths among PLWHA	%
<b>Total</b>	1.3	100.0%	51	100.0%	1.3	100.0%
<b>Sex at Birth</b>						
Male	1.3	100.0%	37	72.5%	1.3	100.0%
Female	0.0	0.0%	14	27.5%	0.0	0.0%
<b>Age</b>						
12 & under	0.0	0.0%	0	0.0%	0.0	0.0%
13-19	0.0	0.0%	0	0.0%	0.0	0.0%
20-24	0.3	25.0%	3	5.9%	0.0	0.0%
25-29	0.0	0.0%	0	0.0%	0.0	0.0%
30-39	0.3	25.0%	3	5.9%	0.3	25.0%
40-49	0.0	0.0%	17	33.3%	0.0	0.0%
50-59	0.3	25.0%	16	31.4%	1.0	75.0%
60+	0.3	25.0%	12	23.5%	0.0	0.0%

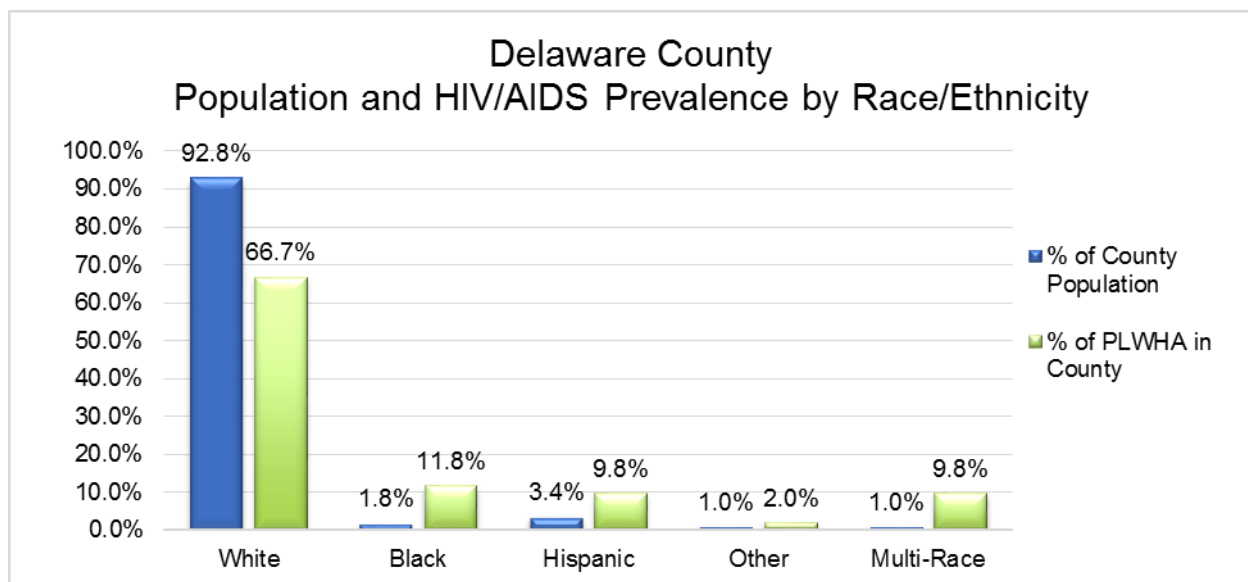
## HIV/AIDS Hospitalization Costs<sup>iv</sup>

In 2014, hospitals in Delaware County reported \$0 in hospitalization costs and 0 patients admitted for “HIV with Major and Multiple Major Related Conditions.”

## HIV/AIDS Disparities

HIV and AIDS disproportionately impacts non-White individuals in Delaware County, including those who identify as Black (not Hispanic), Multi-Race (not Hispanic), and Hispanic (of any race). Over 33% of PLWHA in the county identify as a minority race/ethnicity, despite only representing 7.2% of the total County population.

From 2011 through 2013, of the four new HIV diagnoses among males, 50% had a transmission risk of men who have sex with men (MSM); one indicated a risk as an injection drug user (IDU), and one indicated unknown transmission risk. No females were newly diagnosed during those three years, but of the 14 females currently living with HIV, four indicated a transmission by IDU and one by pediatric risk (perinatal transmission).



## HIV/AIDS Incidence and Prevalence by Transmission Risk<sup>v</sup>

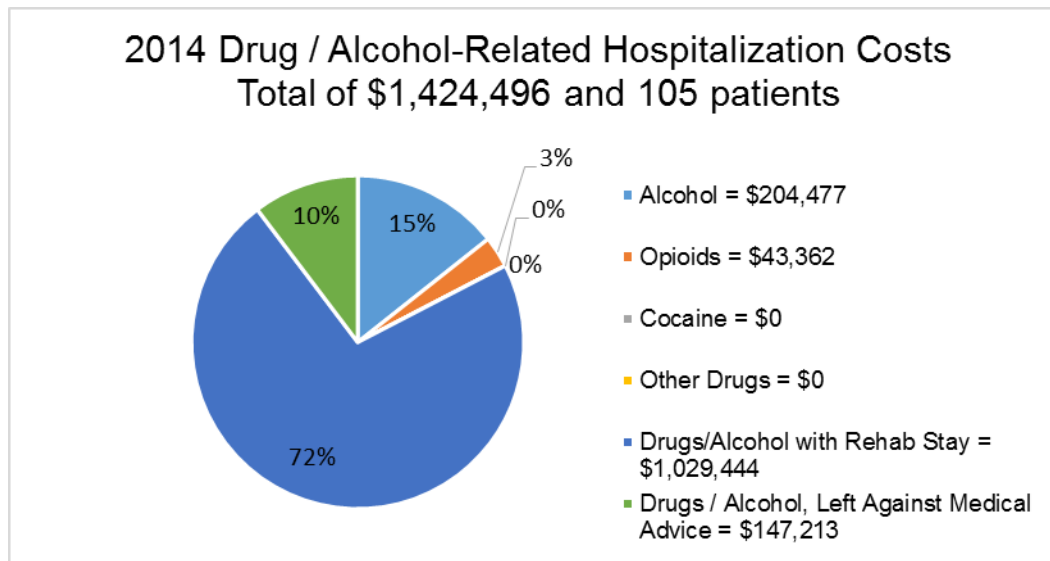
	HIV Diagnoses (2011-13 Annual Average)		Living HIV and AIDS Cases (December 2013)	
Transmission Risk Group – Males				
Total	1.3	100.0%	37	100.0%
MSM	0.7	50.0%	21	56.8%
IDU	0.3	25.0%	4	10.8%
MSM/IDU	0.0	0.0%	3	8.1%
Heterosexual	0.0	0.0%	1	2.7%
Blood Products	0.0	0.0%	1	2.7%
Pediatric Risk	0.0	0.0%	0	0.0%
Unknown	0.3	25.0%	7	18.9%
Transmission Risk Group – Females				
Total	0.0	100.0%	14	100.0%

	HIV Diagnoses (2011-13 Annual Average)		Living HIV and AIDS Cases (December 2013)	
IDU	0.0	0.0%	4	28.6%
Heterosexual Contact	0.0	0.0%	8	57.1%
Female Presumed Heterosexual Contact	0.0	0.0%	1	7.1%
Blood Products	0.0	0.0%	0	0.0%
Pediatric Risk	0.0	0.0%	1	7.1%
Unknown	0.0	0.0%	0	0.0%

## HIV/AIDS RISK FACTORS

### Substance Use

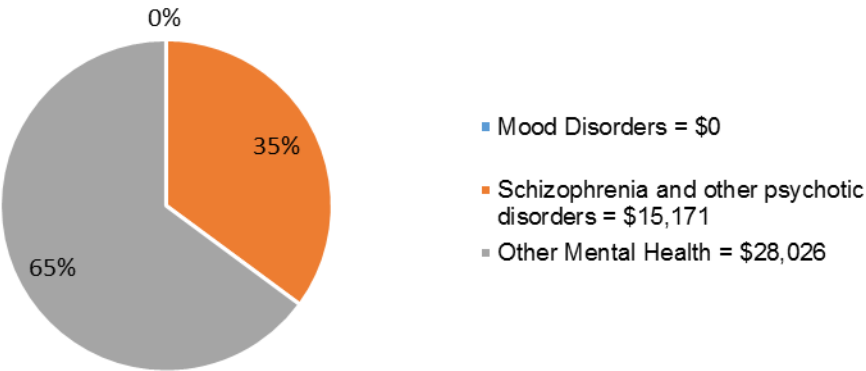
- Among adults, 24.6% of adults smoke cigarettes, significantly higher than the New York State-wide rate of 15.9% of adults. The percentage of adults in Delaware County who report binge drinking in the past month is 18.1%, higher than the statewide rate of 17.7%.<sup>vi</sup>
- In 2014, Drug/Alcohol-Related Hospitalizations in Delaware County had a total cost of over \$1.4 million, for 105 patients staying for 1,137 total days. The 54 patients admitted for “Drug/Alcohol Dependence with Rehab Stay” had an average length of stay of 17 days and incurred the largest proportion of costs: \$1,029,444.<sup>vii</sup>



### Mental Health

- In 2014, the age-adjusted percentage of adults who reported poor mental health for 14 or more days in the past month is 6.3% - lower than the statewide rate of 11.1%.<sup>viii</sup>
- Hospitalizations due to schizophrenia or other psychotic disorders accounted for only one patient (14 hospital days). Only three other patients were admitted for other mental health disorders, incurring \$28,026 in hospitalization costs.<sup>ix</sup>

2014 Mental Health-Related Hospitalization Costs  
Total of \$43,197 and 4 patients



## REFERENCES

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- <sup>i</sup> U.S. Census Bureau, 2010-2014 American Community Survey 5-Year Estimates.
- <sup>ii</sup> U.S. Census Bureau, 2010-2014 American Community Survey 5-Year Estimates.
- <sup>iii</sup> New York State HIV/AIDS County Surveillance Report (Excludes State Prison Inmates) For Cases Diagnosed Through December 2013. Bureau of HIV/AIDS Epidemiology AIDS, AIDS Institute, New York State Department of Health, August 2015.
- <sup>iv</sup> New York State Department of Health, Statewide Planning and Research Cooperative System (SPARCS). APR Major Diagnostic Category (MDC) by APR Diagnosis Related Group (DRG) Report by County for 2014 Inpatient Data. APR DRG = HIV with Major Related Conditions (892) and HIV with Multiple Major Related Conditions (890).
- <sup>v</sup> New York State HIV/AIDS County Surveillance Report (Excludes State Prison Inmates) For Cases Diagnosed Through December 2013. Bureau of HIV/AIDS Epidemiology AIDS, AIDS Institute, New York State Department of Health, August 2015.
- <sup>vi</sup> 2013-2014 NYS Expanded Behavioral Risk Factor Surveillance System (NYS Counties outside NYC); 2013 NYS Behavioral Risk Factor Surveillance System (NYC counties), data as of 2015. <https://www.health.ny.gov/statistics/chac/general/g110.htm>; <https://www.health.ny.gov/statistics/chac/general/g108.htm>.
- <sup>vii</sup> New York State Department of Health, Statewide Planning and Research Cooperative System (SPARCS). APR Major Diagnostic Category (MDC) by APR Diagnosis Related Group Report by County for 2014 Inpatient Data.
- <sup>viii</sup> 2013-2014 NYS Expanded Behavioral Risk Factor Surveillance System (NYS Counties outside NYC); 2013 NYS Behavioral Risk Factor Surveillance System (NYC counties), data as of 2015. <https://www.health.ny.gov/statistics/chac/general/g106.htm>
- <sup>ix</sup> New York State Department of Health, Statewide Planning and Research Cooperative System (SPARCS). APR Major Diagnostic Category (MDC) by Clinical Classification (CCS) Diagnosis Category Report by County for 2014 Inpatient Data.

# Dutchess County Community Profile

## DEMOGRAPHICS<sup>i</sup>

Dutchess County's Total Population is **297,388**.

- Residents of Dutchess County have a median age of 40.8, and 20.6% are 60 years or older.
- Over 26.5% of the population is non-White; 9.2% is Black, 11.0% Hispanic, 2.0% Multi-Race and 4.2% Other Races.
- 11.7% of residents are foreign-born. 6,535 residents were born in the Caribbean, and 9,144 were born in Central or South America. 2,468 were born in India, and 6,749 were born in other Asian countries. 7,379 were born in Europe.
- 85% of residents speak only English at home; 7.5% speak Spanish at home, and 4.5% speak other Indo-European languages. Asian languages are spoken by 2.1% of the population.

## ECONOMIC INDICATORS<sup>ii</sup>

Indicator	Dutchess County	NY Statewide Rate
Median Household Income	\$72,471	\$58,687
% living at less than 100% of Federal Poverty Level	8.8%	16.0%
Unemployment Rate	9.3%	8.9%
% receiving Medicaid / means-tested Public Coverage	13.2%	22.5%
% Uninsured	8.5%	10.6%

## HIV/AIDS IN DUTCHESS COUNTY

New HIV Infections: Between 2011 and 2013, the average annual number of new HIV diagnoses in Dutchess County was 24.3 per year. Annual HIV incidence is 8.2 per 100,000 residents.

PLWHA: As of December 31, 2013, there were 629 people living with HIV/AIDS in Dutchess County. HIV prevalence is 211.8 per 100,000 residents. (New York State's overall prevalence is 666.9 per 100,000 residents.)

Deaths: Between 2011 and 2013, the average annual number of deaths among PLWHA was 12.3.

### HIV/AIDS Incidence, Prevalence, and Deaths<sup>iii</sup>

	# of New HIV Diagnoses	%	# of PLWHA	%	# Deaths among PLWHA	%
<b>Total</b>	24.3	100.0%	629	100.0%	12.3	100.0%
<b>Sex at Birth</b>						
Male	19.0	78.2%	412	65.5%	8.3	67.5%
Female	5.3	21.8%	217	34.5%	4.0	32.5%
<b>Age</b>						
12 & under	0.7	2.9%	3	0.5%	0.0	0.0%
13-19	0.7	2.9%	5	0.8%	0.0	0.0%
20-24	4.3	17.7%	24	3.8%	0.0	0.0%
25-29	3.3	13.6%	31	4.9%	0.3	2.4%
30-39	3.3	13.6%	70	11.1%	0.0	0.0%
40-49	5.7	23.5%	153	24.3%	2.3	18.7%
50-59	5.0	20.6%	239	38.0%	6.3	51.2%
60+	1.3	5.3%	104	16.5%	3.3	26.8%

## HIV/AIDS Hospitalization Costs<sup>iv</sup>

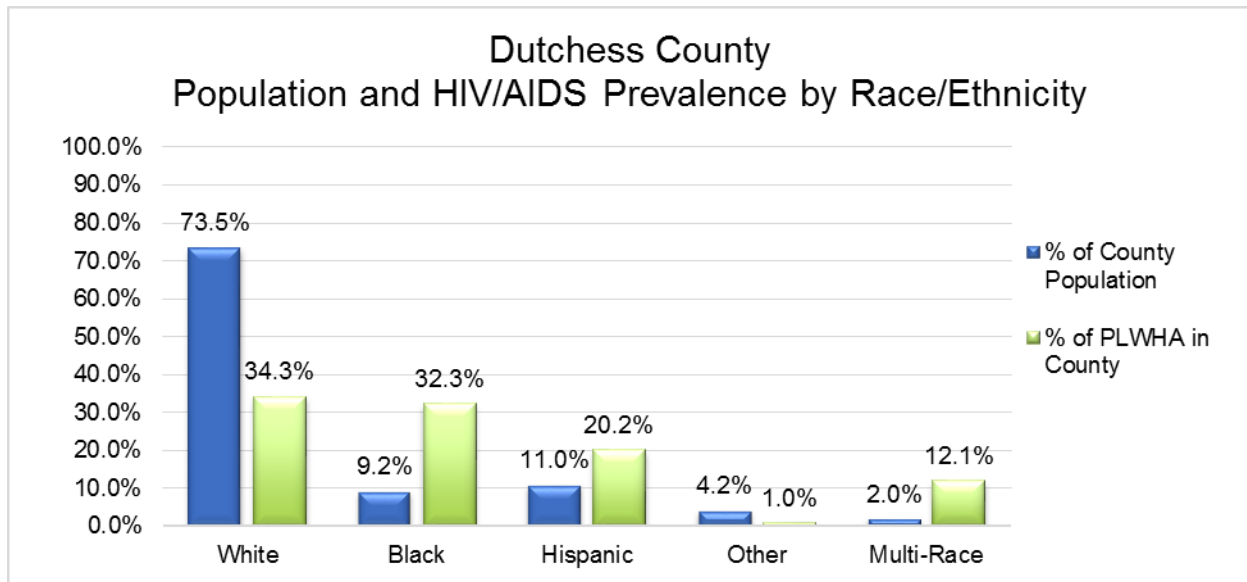
In 2014, a total of \$2,251,816 in costs were incurred by 29 patients admitted for “HIV with Major and Multiple Major Related Conditions.”

- 14 patients were treated for “HIV with Major Related Conditions,” accounting for \$866,912 in hospitalization costs.
- 15 patients were treated for “HIV with Multiple Major Related Conditions,” at a total cost of \$1,384,904.

## HIV/AIDS Disparities

HIV and AIDS disproportionately impacts non-White individuals in Dutchess County, including those who identify as Black (not Hispanic), Multi-Race (not Hispanic), and Hispanic (of any race). Over 65% of PLWHA in the county identify as a minority race/ethnicity, despite only representing 26.5% of the total County population.

From 2011 through 2013, of the 57 new HIV diagnoses among males, 63% had a transmission risk of men who have sex with men (MSM); 12.1% indicated transmission as an injection drug user (IDU), and 12.1% indicated unknown transmission risk. Of the 16 females newly diagnosed during these three years, 94.3% indicated transmission by heterosexual or presumed heterosexual contact. Almost 25% of current PLWHA (male and female) indicated transmission by IDU or MSM/IDU.



## HIV/AIDS Incidence and Prevalence by Transmission Risk<sup>v</sup>

	HIV Diagnoses (2011-13 Annual Average)		Living HIV and AIDS Cases (December 2013)	
<i>Transmission Risk Group – Males</i>				
<b>Total</b>	19.0	100.0%	412	100.0%
MSM	12.0	63.2%	200	48.5%
IDU	2.3	12.1%	82	19.9%
MSM/IDU	0.3	1.6%	25	6.1%
Heterosexual	1.3	6.8%	48	11.7%
Blood Products	0.0	0.0%	1	0.2%
Pediatric Risk	0.7	3.7%	13	3.2%



	HIV Diagnoses (2011-13 Annual Average)		Living HIV and AIDS Cases (December 2013)	
Unknown	2.3	12.1%	43	10.4%
<b>Transmission Risk Group – Females</b>				
<b>Total</b>	5.3	100.0%	217	100.0%
IDU	0.3	5.7%	50	23.0%
Heterosexual Contact	2.0	37.7%	121	55.8%
Female Presumed Heterosexual Contact	3.0	56.6%	34	15.7%
Blood Products	0.0	0.0%	2	0.9%
Pediatric Risk	0.0	0.0%	9	4.1%
Unknown	0.0	0.0%	1	0.5%

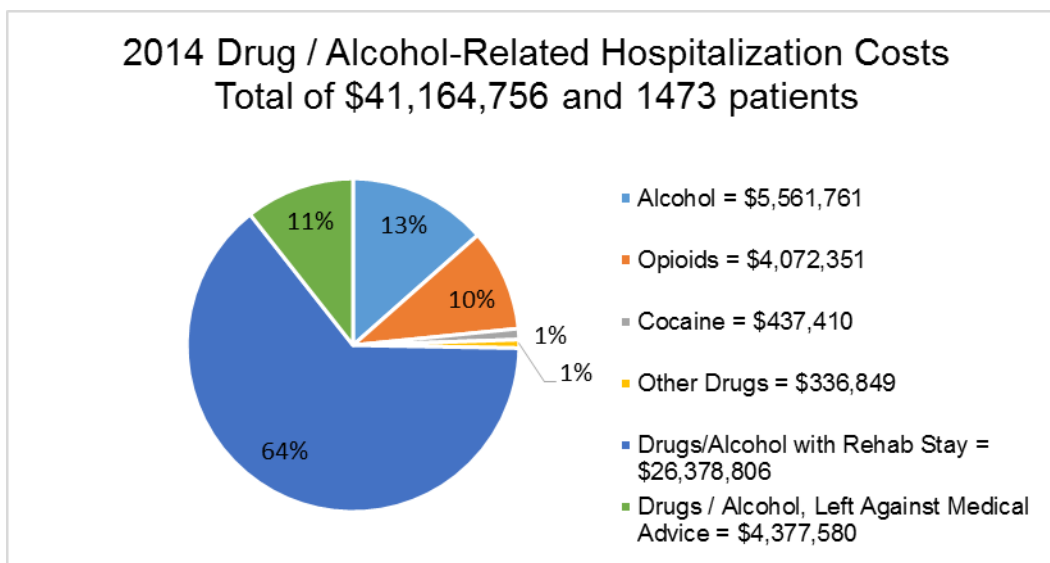
## HIV/AIDS RISK FACTORS

### Homelessness

- In January 2015, 375 people in Dutchess County were homeless, according to the Point in Time count for the Poughkeepsie/Dutchess County Continuum of Care region (CoC NY-601).<sup>vi</sup>
  - Of these, 360 homeless people were sheltered and 15 were unsheltered.
  - Fifty-three percent - 198 individuals - were members of homeless families.
  - The number of homeless unaccompanied youth (under age 25) was 27.

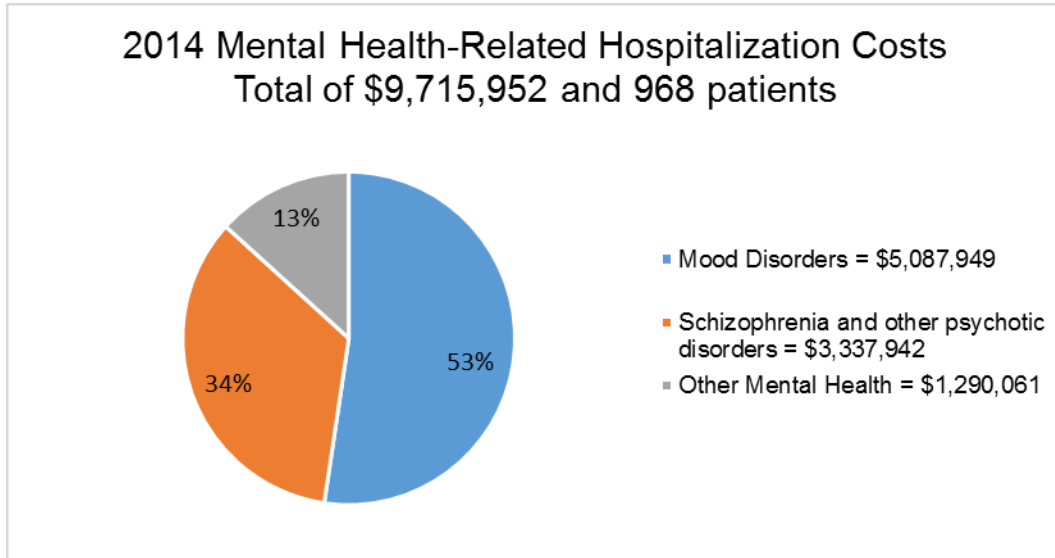
### Substance Use

- Among adults, 16.5% of adults smoke cigarettes, significantly higher than the New York State-wide rate of 15.9% of adults. The percentage of adults in Dutchess County who report binge drinking in the past month is 14.6%, lower than the statewide rate of 17.7%.<sup>vii</sup>
- In 2014, Drug/Alcohol-Related Hospitalizations in Dutchess County had a total cost of over \$41.1 million, for 1,473 patients staying for 13,980 total days. The 494 patients admitted for “Drug/Alcohol Dependence with Rehab Stay” had an average length of stay of 20 days and incurred the largest proportion of costs: \$26,378,806.<sup>viii</sup>



## Mental Health

- In 2014, the age-adjusted percentage of adults who reported poor mental health for 14 or more days in the past month is 10.9% - similar to the statewide rate of 11.1%.<sup>ix</sup>
- Hospitalizations due to mood disorders and schizophrenia or other psychotic disorders accounted for 911 patients, 12,117 hospital days, and over \$8.4 million in costs in 2014. An additional \$1,290,061 was incurred by 19 patients with other mental health disorders.<sup>x</sup>



## REFERENCES

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- <sup>i</sup> U.S. Census Bureau, 2010-2014 American Community Survey 5-Year Estimates.
- <sup>ii</sup> U.S. Census Bureau, 2010-2014 American Community Survey 5-Year Estimates.
- <sup>iii</sup> New York State HIV/AIDS County Surveillance Report (Excludes State Prison Inmates) For Cases Diagnosed Through December 2013. Bureau of HIV/AIDS Epidemiology AIDS, AIDS Institute, New York State Department of Health, August 2015.
- <sup>iv</sup> New York State Department of Health, Statewide Planning and Research Cooperative System (SPARCS). APR Major Diagnostic Category (MDC) by APR Diagnosis Related Group (DRG) Report by County for 2014 Inpatient Data. APR DRG = HIV with Major Related Conditions (892) and HIV with Multiple Major Related Conditions (890).
- <sup>v</sup> New York State HIV/AIDS County Surveillance Report (Excludes State Prison Inmates) For Cases Diagnosed Through December 2013. Bureau of HIV/AIDS Epidemiology AIDS, AIDS Institute, New York State Department of Health, August 2015.
- <sup>vi</sup> U.S. Housing and Urban Development, Continuum of Care Homeless Assistance Program Homeless Population and Subpopulation Report, Point in Time (PIT) counts from January 2015. Published November 2015. Retrieved August 8, 2016 from <https://www.hudexchange.info/resources/documents/2007-2015-PIT-counts-by-CoC.xls>
- <sup>vii</sup> 2013-2014 NYS Expanded Behavioral Risk Factor Surveillance System (NYS Counties outside NYC); 2013 NYS Behavioral Risk Factor Surveillance System (NYC counties), data as of 2015. <https://www.health.ny.gov/statistics/chac/general/g110.htm>; <https://www.health.ny.gov/statistics/chac/general/g108.htm>.
- <sup>viii</sup> New York State Department of Health, Statewide Planning and Research Cooperative System (SPARCS). APR Major Diagnostic Category (MDC) by APR Diagnosis Related Group Report by County for 2014 Inpatient Data.
- <sup>ix</sup> 2013-2014 NYS Expanded Behavioral Risk Factor Surveillance System (NYS Counties outside NYC); 2013 NYS Behavioral Risk Factor Surveillance System (NYC counties), data as of 2015. <https://www.health.ny.gov/statistics/chac/general/g106.htm>
- <sup>x</sup> New York State Department of Health, Statewide Planning and Research Cooperative System (SPARCS). APR Major Diagnostic Category (MDC) by Clinical Classification (CCS) Diagnosis Category Report by County for 2014 Inpatient Data.

# Orange County Community Profile

## DEMOGRAPHICS<sup>i</sup>

Orange County's Total Population is **374,518**.

- Residents of Orange County are younger; they have a median age of 36.8, and 17.3% are 60 years or older.
- 67.1% of the population is White; 9.3% is Black, 18.8% Hispanic, 1.9% Multi-Race and 2.9% Other Races.
- 11.2% of residents are foreign-born.
- 76% of residents speak only English at home; 13.6% speak Spanish at home.

## ECONOMIC INDICATORS<sup>ii</sup>

Indicator	Orange County	NY Statewide Rate
Median Household Income	\$70,794	\$58,687
% living at less than 100% of Federal Poverty Level	12.6%	16.0%
Unemployment Rate	8.0%	8.9%
% receiving Medicaid / means-tested Public Coverage	18.5%	22.5%
% Uninsured	9.0%	10.6%

## HIV/AIDS IN ORANGE COUNTY

New HIV Infections: Between 2011 and 2013, the average annual number of new HIV diagnoses in Orange County was 21.7 per year. Annual HIV incidence is 5.8 per 100,000 residents. (New York State's overall incidence rate is 19.1 per 100,000 residents.)

PLWHA: As of December 31, 2013, there were 804 people living with HIV/AIDS in Orange County. HIV prevalence rate is 214.1 per 100,000 residents. (New York State's overall prevalence rate is 666.9 per 100,000 residents.)

Deaths: Between 2011 and 2013, the average annual number of deaths among PLWHA was 13.7.

### HIV/AIDS Incidence, Prevalence, and Deaths<sup>iii</sup>

	# of New HIV Diagnoses	%	# of PLWHA	%	# Deaths among PLWHA	%
<b>Total</b>	21.7	100.0%	804	100.0%	13.7	100.0%
<b>Sex at Birth</b>						
Male	12.7	58.5%	512	63.7%	10.3	75.6%
Female	9.0	41.5%	292	36.3%	3.3	24.4%
<b>Age</b>						
12 and under	0.0	0.0%	1	0.1%	0.0	0.0%
13-19	0.7	3.2%	8	1.0%	0.0	0.0%
20-24	4.0	18.4%	30	3.7%	0.0	0.0%
25-29	1.0	4.6%	31	3.9%	0.0	0.0%
30-39	5.0	23.0%	94	11.7%	1.0	7.3%
40-49	5.3	24.4%	199	24.8%	1.3	9.8%
50-59	4.0	18.4%	303	37.7%	5.7	41.5%
60+	1.7	7.7%	138	17.2%	5.7	41.5%

## HIV/AIDS Hospitalization Costs<sup>iv</sup>

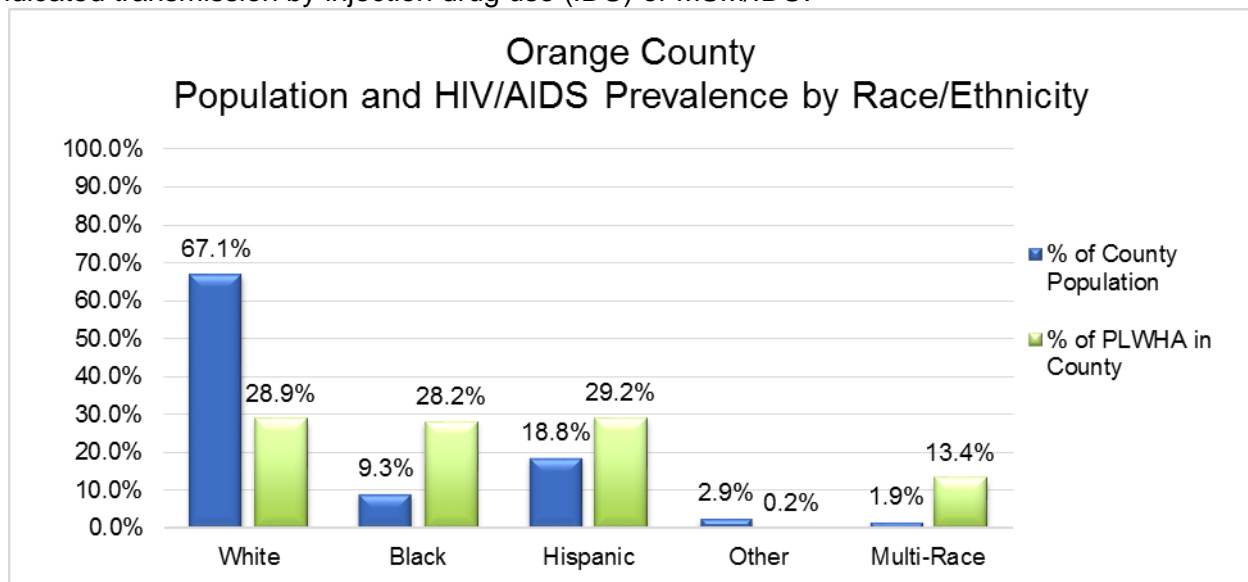
In 2014, a total of \$3,844,823 in costs were incurred by 49 patients admitted for “HIV with Major and Multiple Major Related Conditions.”

- 24 patients were treated for “HIV with Major Related Conditions,” accounting for \$971,954 in hospitalization costs.
- 25 patients were treated for “HIV with Multiple Major Related Conditions,” at a cost of \$2,872,870.

## HIV/AIDS Disparities

In Orange County, HIV and AIDS disproportionately impacts non-White individuals, especially those identifying as Black (not Hispanic), Multi-Race (not Hispanic), and Hispanic (of any race). Over 71% of PLWHA in the county are non-White, despite non-White residents representing only 32.9% of the total County population.

Of the 38 males newly diagnosed with HIV from 2011 through 2013, 63% indicated a transmission risk of men who have sex with men (MSM); 26% indicated transmission by heterosexual contact. Of the 27 females newly diagnosed during these three years, 96.3% indicated a transmission risk of heterosexual or presumed heterosexual contact. Twenty-four percent of all PLWHA (190 individuals) indicated transmission by injection drug use (IDU) or MSM/IDU.



## HIV/AIDS Incidence and Prevalence by Transmission Risk<sup>v</sup>

	HIV Diagnoses (2011-13 Annual Average)		Living HIV and AIDS Cases (December 2013)	
<b>Transmission Risk Group – Males</b>				
<b>Total</b>	12.7	100.0%	512	100.0%
MSM	8.0	63.0%	197	38.5%
IDU	0.3	2.4%	116	22.7%
MSM/IDU	0.0	0.0%	30	5.9%
Heterosexual	3.3	26.0%	104	20.3%
Blood Products	0.0	0.0%	3	0.6%
Pediatric Risk	0.0	0.0%	15	2.9%

	HIV Diagnoses (2011-13 Annual Average)		Living HIV and AIDS Cases (December 2013)	
Unknown	1.0	7.9%	47	9.2%
<b>Transmission Risk Group – Females</b>				
<b>Total</b>	9.0	100.0%	292	100.0%
IDU	0.3	3.7%	44	15.1%
Heterosexual Contact	8.0	88.9%	199	68.2%
Female Presumed Heterosexual Contact	0.7	7.4%	38	13.0%
Blood Products	0.0	0.0%	2	0.7%
Pediatric Risk	0.0	0.0%	9	3.1%
Unknown	0.0	0.0%	0	0.0%

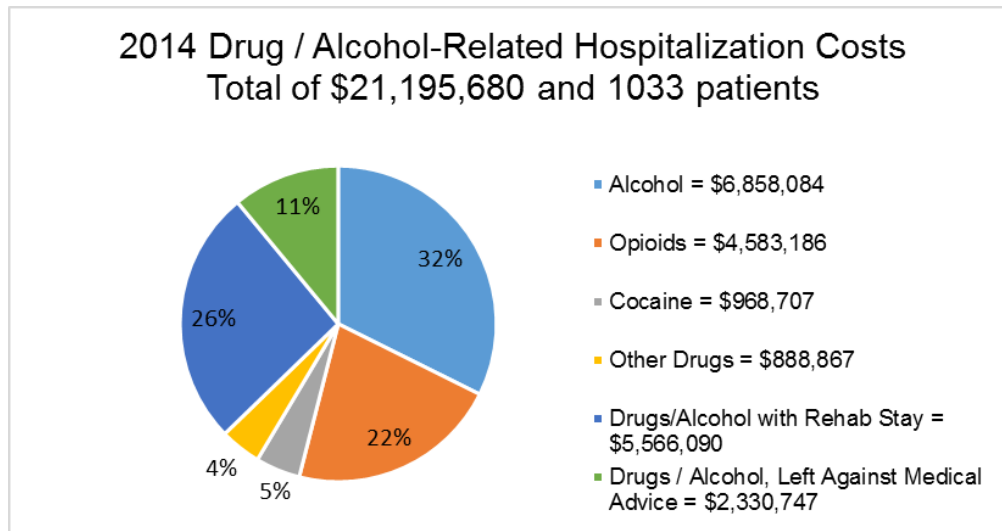
## HIV/AIDS RISK FACTORS

### Homelessness

- In January 2015, 495 people in Orange County were homeless, according to the Point in Time count for the Newburgh/Orange County Continuum of Care (CoC) region (CoC NY-602).<sup>vi</sup>
  - Of these, 350 homeless people were sheltered and 145 were unsheltered.
  - Thirty-eight percent - 187 individuals - were members of homeless families.
  - The number of homeless unaccompanied youth (under age 25) was 45.

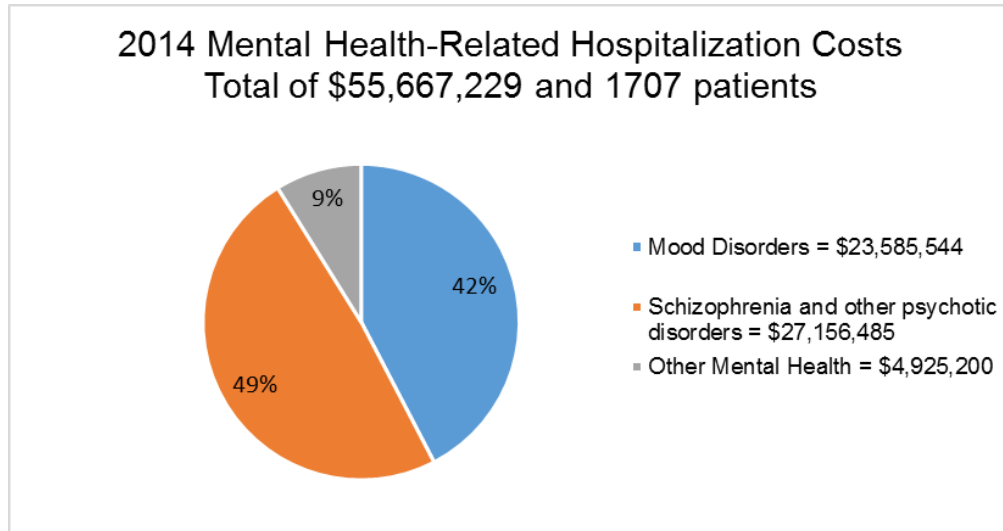
### Substance Use

- Among adults, 15.5% of adults smoke cigarettes, similar to the New York State-wide rate of 15.9% of adults. The percentage of adults in Orange County who report binge drinking in the past month is 17.2%, similar to the statewide rate of 17.7%.<sup>vii</sup>
- In 2014, Drug/Alcohol-Related hospitalizations in Orange County had a total cost of over \$21.1 million for 1,033 patients admitted for 6,797 total days. The largest proportion of hospitalization costs was \$6.8 million for 272 patients admitted for “Alcohol Abuse and Dependency”; this is followed by \$5.6 million for 182 patients admitted for “Drug/Alcohol Dependency with Rehab Stay,” with an average length of stay of 16 days.<sup>viii</sup>



## Mental Health

- In 2014, the age-adjusted percentage of adults who reported poor mental health for 14 or more days in the past month is 9.4% - similar to the statewide rate of 11.1%.<sup>ix</sup>
- Hospitalizations due to mood disorders and schizophrenia or other psychotic disorders accounted for 1,483 patients, 15,285 hospital days, and \$50.7 million in costs in 2014. In addition, 224 patients were admitted for an “other mental health disorder,” for a total 1,146 days and cost of \$4,925,200.<sup>x</sup>



## REFERENCES

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- <sup>i</sup> U.S. Census Bureau, 2010-2014 American Community Survey 5-Year Estimates.
- <sup>ii</sup> U.S. Census Bureau, 2010-2014 American Community Survey 5-Year Estimates.
- <sup>iii</sup> New York State HIV/AIDS County Surveillance Report (Excludes State Prison Inmates) For Cases Diagnosed Through December 2013. Bureau of HIV/AIDS Epidemiology AIDS, AIDS Institute, New York State Department of Health, August 2015.
- <sup>iv</sup> New York State Department of Health, Statewide Planning and Research Cooperative System (SPARCS). APR Major Diagnostic Category (MDC) by APR Diagnosis Related Group (DRG) Report by County for 2014 Inpatient Data. APR DRG = HIV with Major Related Conditions (892) and HIV with Multiple Major Related Conditions (890).
- <sup>v</sup> New York State HIV/AIDS County Surveillance Report (Excludes State Prison Inmates) For Cases Diagnosed Through December 2013. Bureau of HIV/AIDS Epidemiology AIDS, AIDS Institute, New York State Department of Health, August 2015.
- <sup>vi</sup> U.S. Housing and Urban Development, Continuum of Care Homeless Assistance Program Homeless Population and Subpopulation Report, Point in Time (PIT) counts from January 2015. Published November 2015. Retrieved August 8, 2016 from <https://www.hudexchange.info/resources/documents/2007-2015-PIT-counts-by-CoC.xls>
- <sup>vii</sup> 2013-2014 NYS Expanded Behavioral Risk Factor Surveillance System (NYS Counties outside NYC); 2013 NYS Behavioral Risk Factor Surveillance System (NYC counties), data as of 2015. <https://www.health.ny.gov/statistics/chac/general/g110.htm>; <https://www.health.ny.gov/statistics/chac/general/g108.htm>.
- <sup>viii</sup> New York State Department of Health, Statewide Planning and Research Cooperative System (SPARCS). APR Major Diagnostic Category (MDC) by APR Diagnosis Related Group Report by County for 2014 Inpatient Data.
- <sup>ix</sup> 2013-2014 NYS Expanded Behavioral Risk Factor Surveillance System (NYS Counties outside NYC); 2013 NYS Behavioral Risk Factor Surveillance System (NYC counties), data as of 2015. <https://www.health.ny.gov/statistics/chac/general/g106.htm>
- <sup>x</sup> New York State Department of Health, Statewide Planning and Research Cooperative System (SPARCS). APR Major Diagnostic Category (MDC) by Clinical Classification (CCS) Diagnosis Category Report by County for 2014 Inpatient Data.



# Putnam County Community Profile

## DEMOGRAPHICS<sup>i</sup>

Putnam County's Total Population is **99,697**.

- Residents of Putnam County have a median age of 42.6, and 19.6% are 60 years or older.
- 81.7% of the population is White; 1.9% is Black, 12.3% Hispanic, 1.5% Multi-Race and 2.6% Other Races.
- 12.9% of residents are foreign-born. Of these, 41% (5,258) were born in Europe; 42.4% (5,437) were born in Latin America; 13.3% (1,705) in Asia.
- 81% of residents speak only English at home; 8.9% speak Spanish at home, and 7.8% speak other Indo-European languages.

## ECONOMIC INDICATORS<sup>ii</sup>

Indicator	Putnam County	NY Statewide Rate
Median Household Income	\$96,262	\$58,687
% living at less than 100% of Federal Poverty Level	5.6%	16.0%
Unemployment Rate	7.8%	8.9%
% receiving Medicaid / means-tested Public Coverage	8.3%	22.5%
% Uninsured	8.7%	10.6%

## HIV/AIDS IN PUTNAM COUNTY

**New HIV Infections:** Between 2011 and 2013, the average annual number of new HIV diagnoses in Putnam County was 4.7 per year. Annual HIV incidence is 4.7 per 100,000 residents. (New York State's overall incidence rate is 19.1 per 100,000 residents.)

**PLWHA:** As of December 31, 2013, there were 139 people living with HIV/AIDS in Putnam County. HIV prevalence rate is 139.5 per 100,000 residents. (New York State's overall prevalence rate is 666.9 per 100,000 residents.)

**Deaths:** Between 2011 and 2013, the average annual number of deaths among PLWHA was 2.0.

### HIV/AIDS Incidence, Prevalence, and Deaths<sup>iii</sup>

	# of New HIV Diagnoses	%	# of PLWHA	%	# Deaths among PLWHA	%
<b>Total</b>	4.7	100.0%	139	100.0%	2.0	100.0%
<b>Sex at Birth</b>						
Male	3.7	78.7%	96	69.1%	1.3	66.7%
Female	1.0	21.3%	43	30.9%	0.7	33.3%
<b>Age</b>						
12 and under	0.0	0.0%	0	0.0%	0.7	33.3%
13-19	0.0	0.0%	1	0.7%	0.0	0.0%
20-24	0.7	14.3%	2	1.4%	0.0	0.0%
25-29	0.0	0.0%	2	1.4%	0.0	0.0%
30-39	1.3	28.6%	17	12.2%	0.3	16.7%
40-49	1.3	28.6%	41	29.5%	0.7	33.3%
50-59	0.7	14.3%	50	36.0%	0.0	0.0%
60+	0.7	14.3%	26	18.7%	1.0	50.0%

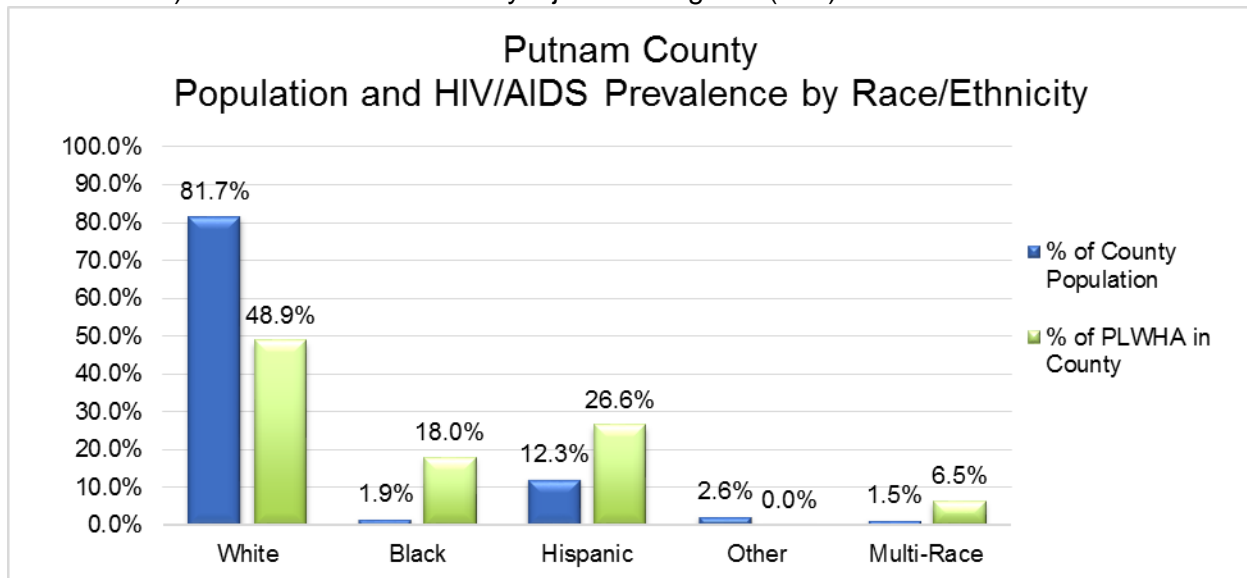
## HIV/AIDS Hospitalization Costs<sup>iv</sup>

In 2014, a total of \$117,028 in hospitalization costs were incurred by two patients admitted for “HIV with Multiple Major Related Conditions.”

## HIV/AIDS Disparities

In Putnam County, HIV and AIDS disproportionately impacts non-White individuals, especially those identifying as Black (not Hispanic), Multi-Race (not Hispanic), and Hispanic (of any race). Over 51% of PLWHA in the county are non-White, despite non-White residents representing only 18.3% of the total County population. Overall, 48.9% of PLWHA in the County are White (not Hispanic).

Of the 11 males newly diagnosed with HIV from 2011 through 2013, nine (82%) indicated a transmission risk of men who have sex with men (MSM); two (18%) indicated unknown transmission risk. Three females were newly diagnosed with HIV during these three years, and 100% had a transmission risk of presumed heterosexual contact. Twenty-two percent of all PLWHA in the County (31 individuals) indicated transmission by injection drug use (IDU) or MSM/IDU.



## HIV/AIDS Incidence and Prevalence by Transmission Risk<sup>v</sup>

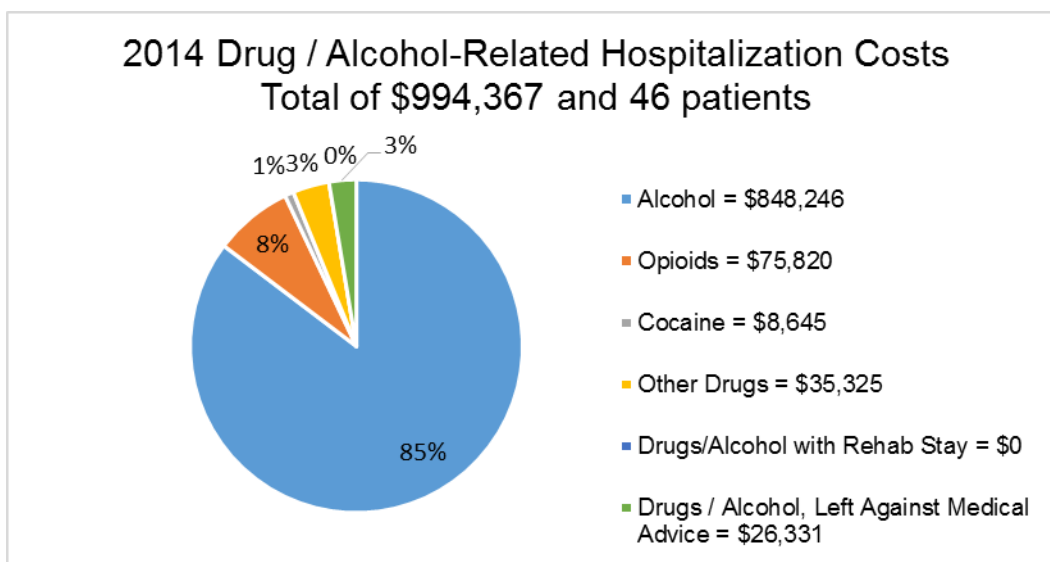
	HIV Diagnoses (2011-13 Annual Average)		Living HIV and AIDS Cases (December 2013)	
Transmission Risk Group – Males				
Total	3.7	100.0%	96	100.0%
MSM	3.0	81.8%	59	61.5%
IDU	0.0	0.0%	8	8.3%
MSM/IDU	0.0	0.0%	4	4.2%
Heterosexual	0.0	0.0%	14	14.6%
Blood Products	0.0	0.0%	0	0.0%
Pediatric Risk	0.0	0.0%	1	1.0%
Unknown	0.7	18.2%	10	10.4%
Transmission Risk Group – Females				
Total	1.0	100.0%	43	100.0%
IDU	0.0	0.0%	19	44.2%
Heterosexual Contact	0.0	0.0%	17	39.5%

	HIV Diagnoses (2011-13 Annual Average)		Living HIV and AIDS Cases (December 2013)	
Female Presumed Heterosexual Contact	1.0	100.0%	5	11.6%
Blood Products	0.0	0.0%	0	0.0%
Pediatric Risk	0.0	0.0%	2	4.7%
Unknown	0.0	0.0%	0	0.0%

## HIV/AIDS RISK FACTORS

### Substance Use

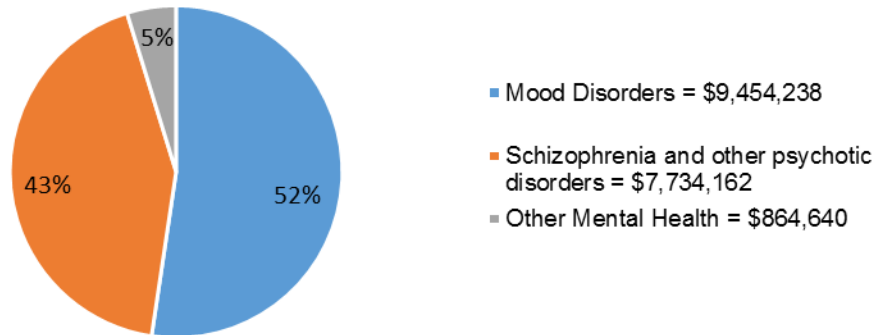
- Among adults, 15.5% of adults smoke cigarettes, similar to the New York State-wide rate of 15.9% of adults. The percentage of adults in Putnam County who report binge drinking in the past month is 19.7%, higher than the statewide rate of 17.7%.<sup>vi</sup>
- In 2014, Drug/Alcohol-Related hospitalizations in Putnam County had a total cost of \$994,367 for 46 patients admitted for 174 total days. The largest proportion of hospitalization costs was \$848,246 for 36 patients admitted for "Alcohol Abuse and Dependency."<sup>vii</sup>



### Mental Health

- In 2014, the age-adjusted percentage of adults who reported poor mental health for 14 or more days in the past month is 17.6% - higher than the statewide rate of 11.1%.<sup>viii</sup>
- Hospitalizations due to mood disorders (446 patients) and schizophrenia or other psychotic disorders (220 patients) accounted for a combined 4,554 hospital days and over \$17.1 million in costs in 2014. In addition, 49 patients were admitted for an "other mental health disorder," for a total 194 days and cost of \$864,640.<sup>ix</sup>

2014 Mental Health-Related Hospitalization Costs  
Total of \$18,053,040 and 715 patients



## REFERENCES

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- <sup>i</sup> U.S. Census Bureau, 2010-2014 American Community Survey 5-Year Estimates.
- <sup>ii</sup> U.S. Census Bureau, 2010-2014 American Community Survey 5-Year Estimates.
- <sup>iii</sup> New York State HIV/AIDS County Surveillance Report (Excludes State Prison Inmates) For Cases Diagnosed Through December 2013. Bureau of HIV/AIDS Epidemiology AIDS, AIDS Institute, New York State Department of Health, August 2015.
- <sup>iv</sup> New York State Department of Health, Statewide Planning and Research Cooperative System (SPARCS). APR Major Diagnostic Category (MDC) by APR Diagnosis Related Group (DRG) Report by County for 2014 Inpatient Data. APR DRG = HIV with Major Related Conditions (892) and HIV with Multiple Major Related Conditions (890).
- <sup>v</sup> New York State HIV/AIDS County Surveillance Report (Excludes State Prison Inmates) For Cases Diagnosed Through December 2013. Bureau of HIV/AIDS Epidemiology AIDS, AIDS Institute, New York State Department of Health, August 2015.
- <sup>vi</sup> 2013-2014 NYS Expanded Behavioral Risk Factor Surveillance System (NYS Counties outside NYC); 2013 NYS Behavioral Risk Factor Surveillance System (NYC counties), data as of 2015. <https://www.health.ny.gov/statistics/chac/general/g110.htm>; <https://www.health.ny.gov/statistics/chac/general/g108.htm>.
- <sup>vii</sup> New York State Department of Health, Statewide Planning and Research Cooperative System (SPARCS). APR Major Diagnostic Category (MDC) by APR Diagnosis Related Group Report by County for 2014 Inpatient Data.
- <sup>viii</sup> 2013-2014 NYS Expanded Behavioral Risk Factor Surveillance System (NYS Counties outside NYC); 2013 NYS Behavioral Risk Factor Surveillance System (NYC counties), data as of 2015. <https://www.health.ny.gov/statistics/chac/general/g106.htm>
- <sup>ix</sup> New York State Department of Health, Statewide Planning and Research Cooperative System (SPARCS). APR Major Diagnostic Category (MDC) by Clinical Classification (CCS) Diagnosis Category Report by County for 2014 Inpatient Data.

# Rockland County Community Profile

## DEMOGRAPHICS<sup>i</sup>

Rockland County's Total Population is **318,186**.

- Residents of Rockland County have a median age of 36.4, and 19.7% are 60 years or older.
- 64.2% of the population is White; 11.4% is Black, 16.4% Hispanic, 1.3% Multi-Race and 6.7% Other Races.
- 21.7% of residents are foreign-born; of all foreign-born residents, 20.1% (13,860) were born in Europe; 23.9% (16,452) were born in Asia (including 3,278 in the Philippines and 1,977 in China); and 52.5% (36,185) were born in Latin America (including 19,608 in the Caribbean; 10,077 in Central America, and 6,500 in South America).
- Only 62% of residents speak only English at home; 13% speak Spanish at home, 18.7 speak other Indo-European languages, and 4.2% speak an Asian or Pacific Islander language.

## ECONOMIC INDICATORS<sup>ii</sup>

Indicator	Rockland County	NY Statewide Rate
Median Household Income	\$85,808	\$58,687
% living at less than 100% of Federal Poverty Level	14.1%	16.0%
Unemployment Rate	8.1%	8.9%
% receiving Medicaid / means-tested Public Coverage	21.2%	22.5%
% Uninsured	9.5%	10.6%

## HIV/AIDS IN ROCKLAND COUNTY

New HIV Infections: Between 2011 and 2013, the average annual number of new HIV diagnoses in Rockland County was 25.3 per year. Annual HIV incidence is 7.9 per 100,000 residents. (New York State's overall incidence rate is 19.1 per 100,000 residents.)

PLWHA: As of December 31, 2013, there were 712 people living with HIV/AIDS in Rockland County. HIV prevalence rate is 221.9 per 100,000 residents. (New York State's overall prevalence rate is 666.9 per 100,000 residents.)

Deaths: Between 2011 and 2013, the average annual number of deaths among PLWHA was 11.

### HIV/AIDS Incidence, Prevalence, and Deaths<sup>iii</sup>

	# of New HIV Diagnoses	%	# of PLWHA	%	# Deaths among PLWHA	%
<b>Total</b>	25.3	100.0%	712	100.0%	11.0	100.0%
<b>Sex at Birth</b>						
Male	18.3	72.3%	456	64.0%	8.7	78.8%
Female	7.0	27.7%	256	36.0%	2.3	21.2%
<b>Age</b>						
12 and under	0.0	0.0%	3	0.4%	0.0	0.0%
13-19	1.0	3.9%	18	2.5%	0.0	0.0%
20-24	2.3	9.2%	14	2.0%	0.3	3.0%
25-29	4.0	15.8%	23	3.2%	0.0	0.0%
30-39	6.7	26.3%	83	11.7%	1.3	12.1%

40-49	6.0	23.7%	183	25.7%	1.7	15.2%
50-59	3.0	11.8%	249	35.0%	4.3	39.4%
60+	2.3	9.2%	139	19.5%	3.3	30.3%

### HIV/AIDS Hospitalization Costs<sup>iv</sup>

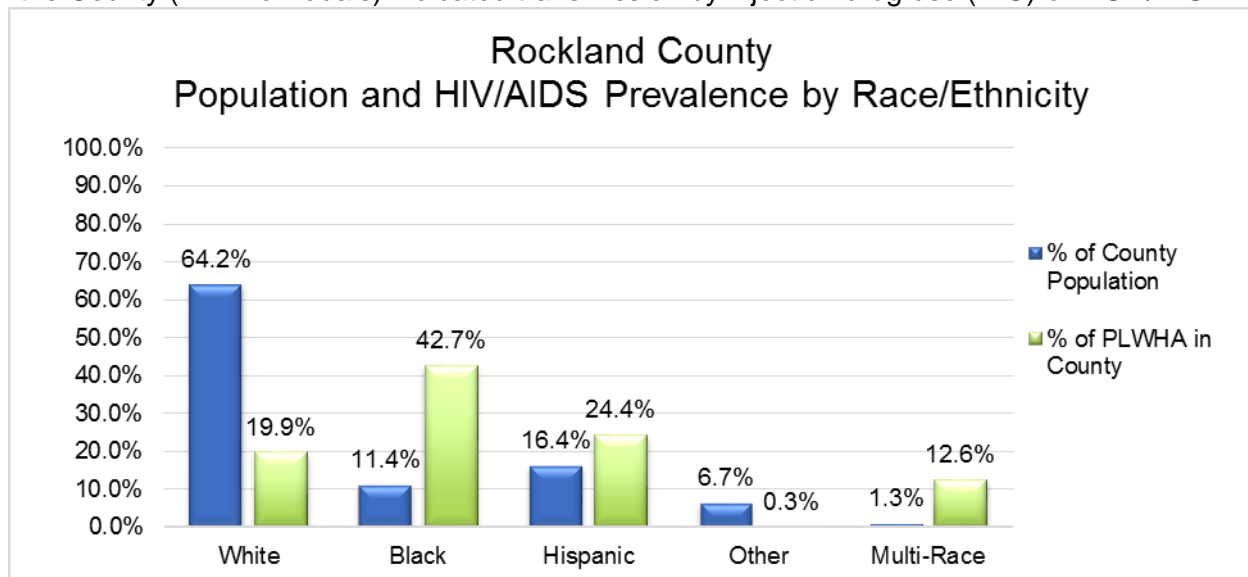
In 2014, a total of \$3,557,828 in costs were incurred by 42 patients admitted for “HIV with Major and Multiple Major Related Conditions.”

- 21 patients were treated for “HIV with Major Related Conditions,” accounting for \$1.5 million in hospitalization costs.
- 21 patients were treated for “HIV with Multiple Major Related Conditions,” at a total cost of \$2.1 million.

### HIV/AIDS Disparities

In Rockland County, HIV and AIDS disproportionately impacts non-White individuals, especially those identifying as Black (not Hispanic), Multi-Race (not Hispanic), and Hispanic (of any race). Eighty percent of PLWHA in the county are non-White, despite non-White residents representing only 36% of total County population.

Of the 55 males newly diagnosed with HIV from 2011 through 2013, 24 (43.6%) indicated a transmission risk of men who have sex with men (MSM), and 23 (41.8%) indicated heterosexual transmission. Of the 21 females newly diagnosed with HIV during these three years, 95% had a transmission risk of heterosexual or presumed heterosexual contact. Sixteen percent of all PLWHA in the County (117 individuals) indicated transmission by injection drug use (IDU) or MSM/IDU.



### HIV/AIDS Incidence and Prevalence by Transmission Risk<sup>v</sup>

	HIV Diagnoses (2011-13 Annual Average)		Living HIV and AIDS Cases (December 2013)	
Transmission Risk Group – Males				
Total	18.3	100.0%	456	100.0%
MSM	8.0	43.6%	158	34.6%
IDU	0.7	3.6%	58	12.7%
MSM/IDU	0.7	3.6%	26	5.7%
Heterosexual	7.7	41.8%	116	25.4%

	HIV Diagnoses (2011-13 Annual Average)		Living HIV and AIDS Cases (December 2013)	
Blood Products	0.0	0.0%	1	0.2%
Pediatric Risk	0.0	0.0%	15	3.3%
Unknown	1.3	7.3%	82	18.0%
<b>Transmission Risk Group – Females</b>				
<b>Total</b>	7.0	100.0%	256	100.0%
IDU	0.3	4.8%	33	12.9%
Heterosexual Contact	6.0	85.7%	176	68.8%
Female Presumed Heterosexual Contact	0.7	9.5%	31	12.1%
Blood Products	0.0	0.0%	1	0.4%
Pediatric Risk	0.0	0.0%	15	5.9%
Unknown	0.0	0.0%	0	0.0%

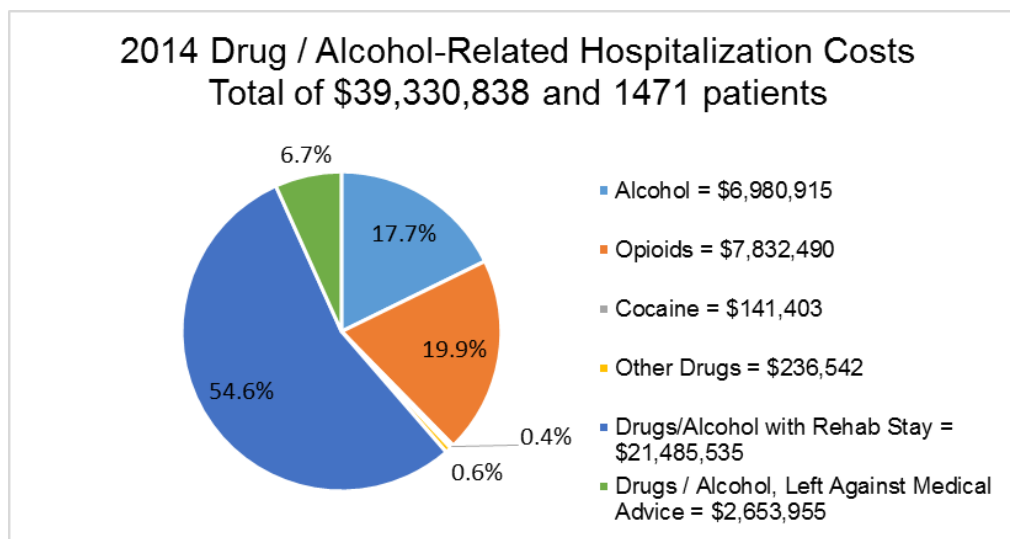
## HIV/AIDS RISK FACTORS

### Homelessness

- In January 2015, 117 people in Rockland County were homeless, according to the Point in Time count for the Rockland County Continuum of Care (CoC) region (CoC NY-606).<sup>vi</sup>
  - Of these, 92 homeless people were sheltered and 25 were unsheltered.
  - Twenty-four percent - 28 individuals - were members of homeless families.
  - The number of homeless unaccompanied youth (under age 25) was 14.

### Substance Use

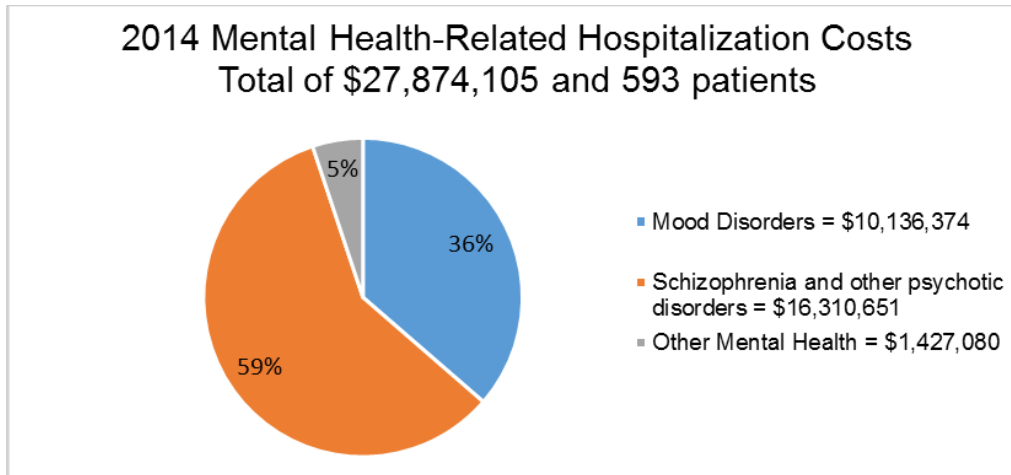
- Among adults, 10.4% of adults smoke cigarettes, significantly lower than the New York State-wide rate of 15.9% of adults. The percentage of adults in Rockland County who report binge drinking in the past month is 13.1%, lower than the statewide rate of 17.7%.<sup>vii</sup>
- In 2014, Drug/Alcohol-Related hospitalizations in Rockland County had a total cost of over \$39.3 million for 1,471 patients admitted for 11,479 total days. The largest proportion of hospitalization costs was \$21.4 million for 406 patients admitted for “Drug/Alcohol Dependence with Rehab Stay” with an average length of stay of 18 days. “Alcohol Abuse and Dependency” incurred almost \$7 million in costs for 332 patients and 1,521 days; “Opioid Abuse and Dependence” incurred \$7.8 million in costs for 497 patients and 2,002 days.<sup>viii</sup>





## Mental Health

- In 2014, the age-adjusted percentage of adults who reported poor mental health for 14 or more days in the past month is 7.2% - lower than the statewide rate of 11.1%.<sup>ix</sup>
- Hospitalizations due to mood disorders (307 patients) and schizophrenia or other psychotic disorders (240 patients) accounted for a combined 6,367 hospital days and over \$26.4 million in costs in 2014. In addition, 46 patients were admitted for an “other mental health disorder,” for a total 304 days and cost of \$1,427,080.<sup>x</sup>



## REFERENCES

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- <sup>i</sup> U.S. Census Bureau, 2010-2014 American Community Survey 5-Year Estimates.
- <sup>ii</sup> U.S. Census Bureau, 2010-2014 American Community Survey 5-Year Estimates.
- <sup>iii</sup> New York State HIV/AIDS County Surveillance Report (Excludes State Prison Inmates) For Cases Diagnosed Through December 2013. Bureau of HIV/AIDS Epidemiology AIDS, AIDS Institute, New York State Department of Health, August 2015.
- <sup>iv</sup> New York State Department of Health, Statewide Planning and Research Cooperative System (SPARCS). APR Major Diagnostic Category (MDC) by APR Diagnosis Related Group (DRG) Report by County for 2014 Inpatient Data. APR DRG = HIV with Major Related Conditions (892) and HIV with Multiple Major Related Conditions (890).
- <sup>v</sup> New York State HIV/AIDS County Surveillance Report (Excludes State Prison Inmates) For Cases Diagnosed Through December 2013. Bureau of HIV/AIDS Epidemiology AIDS, AIDS Institute, New York State Department of Health, August 2015.
- <sup>vi</sup> U.S. Housing and Urban Development, Continuum of Care Homeless Assistance Program Homeless Population and Subpopulation Report, Point in Time (PIT) counts from January 2015. Published November 2015. Retrieved August 8, 2016 from <https://www.hudexchange.info/resources/documents/2007-2015-PIT-counts-by-CoC.xls>
- <sup>vii</sup> 2013-2014 NYS Expanded Behavioral Risk Factor Surveillance System (NYS Counties outside NYC); 2013 NYS Behavioral Risk Factor Surveillance System (NYC counties), data as of 2015. <https://www.health.ny.gov/statistics/chac/general/g110.htm>; <https://www.health.ny.gov/statistics/chac/general/g108.htm>.
- <sup>viii</sup> New York State Department of Health, Statewide Planning and Research Cooperative System (SPARCS). APR Major Diagnostic Category (MDC) by APR Diagnosis Related Group Report by County for 2014 Inpatient Data.
- <sup>ix</sup> 2013-2014 NYS Expanded Behavioral Risk Factor Surveillance System (NYS Counties outside NYC); 2013 NYS Behavioral Risk Factor Surveillance System (NYC counties), data as of 2015. <https://www.health.ny.gov/statistics/chac/general/g106.htm>
- <sup>x</sup> New York State Department of Health, Statewide Planning and Research Cooperative System (SPARCS). APR Major Diagnostic Category (MDC) by Clinical Classification (CCS) Diagnosis Category Report by County for 2014 Inpatient Data.

# Sullivan County Community Profile

## DEMOGRAPHICS<sup>i</sup>

Sullivan County's Total Population is **76,892**.

- Residents of Sullivan County have a median age of 41.8 and 22.7% are age 60 or older.
- 73.9% of the population is White; 7.8% is Black, 14.3% Hispanic, 2.2% Multi-Race and 1.8% Other Races.
- 9.9% of residents are foreign-born.
- 85% of residents speak only English at home; 9.2% speak Spanish at home.

## ECONOMIC INDICATORS<sup>ii</sup>

Indicator	Sullivan County	NY Statewide Rate
Median Household Income	\$49,388	\$58,687
% living at less than 100% of Federal Poverty Level	18.0%	16.0%
Unemployment Rate	12.7%	8.9%
% receiving Medicaid / means-tested Public Coverage	25.3%	22.5%
% Uninsured	12.8%	10.6%

## HIV/AIDS IN SULLIVAN COUNTY

New HIV Infections: Between 2011 and 2013, the average annual number of new HIV diagnoses in Sullivan County was 5.3 per year. Annual HIV incidence is 7.0 per 100,000 residents. (New York State's overall incidence rate is 19.1 per 100,000 residents.)

PLWHA: As of December 31, 2013, there were 268 people living with HIV/AIDS (PLWHA) in Sullivan County. HIV prevalence rate is 349.6 per 100,000 residents. (New York State's overall prevalence rate is 666.9 per 100,000 residents.)

Deaths: Between 2011 and 2013, an annual average of 7.0 deaths occurred among PLWHA.

### HIV/AIDS Incidence, Prevalence, and Deaths<sup>iii</sup>

	# of New HIV Diagnoses	%	# of PLWHA	%	# Deaths among PLWHA	%
<b>Total</b>	5.3	100.0%	268	100.0%	7.0	100.0%
<b>Sex at Birth</b>						
Male	3.0	56.3%	157	58.6%	3.3	47.6%
Female	2.3	43.8%	111	41.4%	3.7	52.4%
<b>Age</b>						
12 and under	0.0	0.0%	1	0.4%	0.0	0.0%
13-19	0.0	0.0%	2	0.7%	0.0	0.0%
20-24	1.0	18.8%	7	2.6%	0.0	0.0%
25-29	1.0	18.8%	12	4.5%	0.3	4.8%
30-39	0.3	6.3%	25	9.3%	0.0	0.0%
40-49	1.3	25.0%	64	23.9%	1.7	23.8%
50-59	1.0	18.8%	87	32.5%	2.3	33.3%
60+	0.7	12.5%	70	26.1%	2.7	38.1%

## HIV/AIDS Hospitalization Costs<sup>iv</sup>

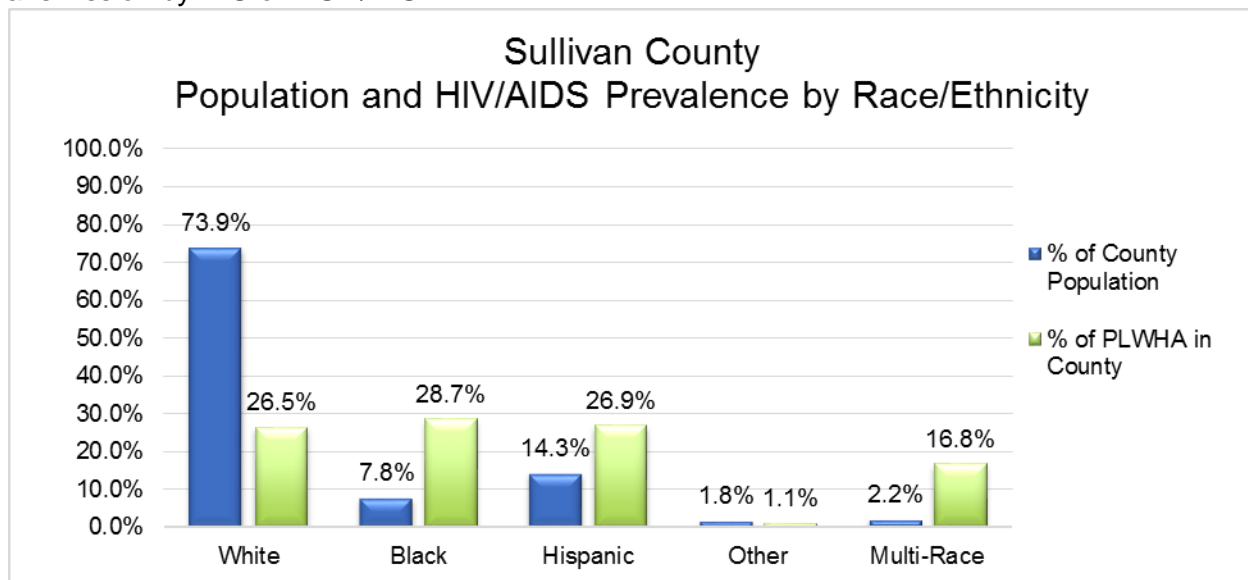
In 2014, a total of \$139,314 in costs were incurred by four patients admitted for “HIV with Major and Multiple Major Related Conditions.”

- Two patients were treated for “HIV with Major Related Conditions,” accounting for \$37,972 in hospitalization costs.
- Two patients were treated for “HIV with Multiple Major Related Conditions,” at a cost of \$101,343.

## HIV/AIDS Disparities

In Sullivan County, HIV and AIDS disproportionately impacts non-White individuals, especially those identifying as Black (not Hispanic), Multi-Race (not Hispanic), and Hispanic (of any race). Over 73% of PLWHA in the county are non-White, despite non-White residents representing only 26.1% of total county population.

Of the nine males newly diagnosed with HIV during the three years between 2011 and 2013, 33.3% identified their transmission risk as men who have sex with men (MSM) and 33.3% indicated their transmission as injection drug use (IDU). Of the seven females newly diagnosed during these three years, 71.4% indicated a transmission risk of heterosexual or presumed heterosexual contact, and two females indicated IDU. Of all PLWHA in the county, 36.5% (98 individuals) indicated transmission by IDU or MSM/IDU.



## HIV/AIDS Incidence and Prevalence by Transmission Risk<sup>v</sup>

	HIV Diagnoses (2011-13 Annual Average)		Living HIV and AIDS Cases (December 2013)	
Transmission Risk Group – Males				
Total	3.0	100.0%	157	100.0%
MSM	1.0	33.3%	58	36.9%
IDU	1.0	33.3%	55	35.0%
MSM/IDU	0.0	0.0%	15	9.6%
Heterosexual	0.3	10.0%	14	8.9%
Blood Products	0.0	0.0%	0	0.0%
Pediatric Risk	0.0	0.0%	0	0.0%

	HIV Diagnoses (2011-13 Annual Average)		Living HIV and AIDS Cases (December 2013)	
Unknown	0.7	23.3%	15	9.6%
<b>Transmission Risk Group – Females</b>				
<b>Total</b>	2.3	100.0%	111	100.0%
IDU	0.7	28.6%	28	25.2%
Heterosexual Contact	1.3	57.1%	61	55.0%
Female Presumed Heterosexual Contact	0.3	14.3%	15	13.5%
Blood Products	0.0	0.0%	1	0.9%
Pediatric Risk	0.0	0.0%	6	5.4%
Unknown	0.0	0.0%	0	0.0%

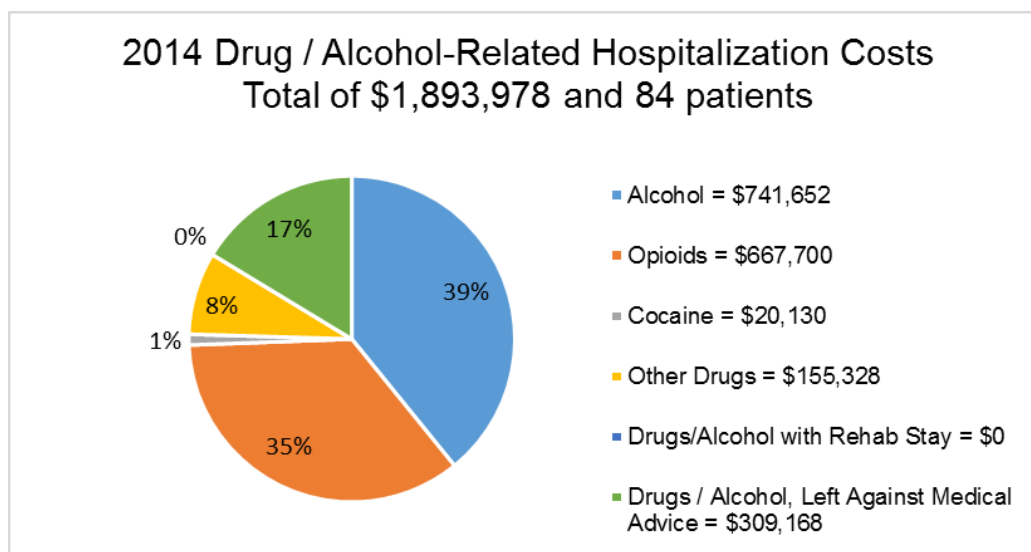
## HIV/AIDS RISK FACTORS

### Homelessness

- In January 2015, 130 people in Sullivan County were homeless, according to the Point in Time count for the Sullivan County Continuum of Care (CoC) region (CoC NY-607).<sup>vi</sup>
  - Of these, 128 homeless people were sheltered and 2 were unsheltered.
  - Twenty-seven percent - 35 individuals - were members of homeless families.
  - The number of homeless unaccompanied youth (under age 25) was 17.

### Substance Use

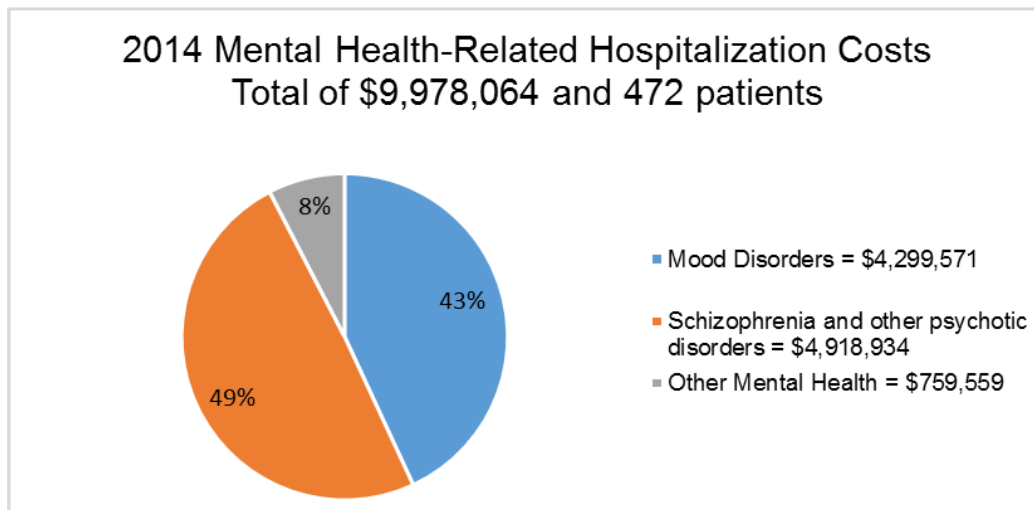
- County-wide, 24.8% of adults smoke cigarettes, significantly higher than the New York State-wide rate of 15.9% of adults. The percentage of adults in Sullivan County who report binge drinking in the past month is 13.7%, lower than the statewide rate of 17.7%.<sup>vii</sup>
- In 2014, Drug/Alcohol-Related hospitalizations in Sullivan County had a total cost of almost \$1.9 million for 84 patients admitted for 481 total days. The largest proportion of hospitalization costs was \$741,652 for 37 patients admitted for “Alcohol Abuse and Dependency” for 164 total days. “Opioid Abuse and Dependence” incurred \$667,700 in costs for 31 patients and 190 days.<sup>viii</sup>



### Mental Health

- In 2014, the age-adjusted percentage of adults who reported poor mental health for 14 or more days in the past month is 10.0% – lower than the statewide rate of 11.1%.<sup>ix</sup>

- Hospitalizations due to mood disorders (247 patients) and schizophrenia or other psychotic disorders (164 patients) accounted for a combined 5,223 days and \$9.2 million in costs in 2014. In addition, 61 patients were admitted for an “other mental health disorder,” for a total 301 days and costs of \$759,559.<sup>x</sup>



## REFERENCES

<sup>i</sup> U.S. Census Bureau, 2010-2014 American Community Survey 5-Year Estimates.

<sup>ii</sup> U.S. Census Bureau, 2010-2014 American Community Survey 5-Year Estimates.

<sup>iii</sup> New York State HIV/AIDS County Surveillance Report (Excludes State Prison Inmates) For Cases Diagnosed Through December 2013. Bureau of HIV/AIDS Epidemiology AIDS, AIDS Institute, New York State Department of Health, August 2015.

<sup>iv</sup> New York State Department of Health, Statewide Planning and Research Cooperative System (SPARCS). APR Major Diagnostic Category (MDC) by APR Diagnosis Related Group (DRG) Report by County for 2014 Inpatient Data. APR DRG = HIV with Major Related Conditions (892) and HIV with Multiple Major Related Conditions (890).

<sup>v</sup> New York State HIV/AIDS County Surveillance Report (Excludes State Prison Inmates) For Cases Diagnosed Through December 2013. Bureau of HIV/AIDS Epidemiology AIDS, AIDS Institute, New York State Department of Health, August 2015.

<sup>vi</sup> U.S. Housing and Urban Development, Continuum of Care Homeless Assistance Program Homeless Population and Subpopulation Report, Point in Time (PIT) counts from January 2015. Published November 2015. Retrieved August 8, 2016 from <https://www.hudexchange.info/resources/documents/2007-2015-PIT-counts-by-CoC.xls>

<sup>vii</sup> 2013-2014 NYS Expanded Behavioral Risk Factor Surveillance System (NYS Counties outside NYC); 2013 NYS Behavioral Risk Factor Surveillance System (NYC counties), data as of 2015. <https://www.health.ny.gov/statistics/chac/general/q110.htm>; <https://www.health.ny.gov/statistics/chac/general/q108.htm>.

<sup>viii</sup> New York State Department of Health, Statewide Planning and Research Cooperative System (SPARCS). APR Major Diagnostic Category (MDC) by APR Diagnosis Related Group Report by County for 2014 Inpatient Data.

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<sup>ix</sup> 2013-2014 NYS Expanded Behavioral Risk Factor Surveillance System (NYS Counties outside NYC); 2013 NYS Behavioral Risk Factor Surveillance System (NYC counties), data as of 2015. <https://www.health.ny.gov/statistics/chac/general/g106.htm>

<sup>x</sup> New York State Department of Health, Statewide Planning and Research Cooperative System (SPARCS). APR Major Diagnostic Category (MDC) by Clinical Classification (CCS) Diagnosis Category Report by County for 2014 Inpatient Data.

# Ulster County Community Profile

## DEMOGRAPHICS<sup>i</sup>

Ulster County's Total Population is **181,598**. The largest city is Kingston, population 23,731.

- Residents of Ulster County have a median age of 42.9, and 23.4% are age 60 or older.
- 80.8% of the population is White; 5.1% is Black, 9.3% Hispanic, 2.6% Multi-Race and 2.2% Other Races.
- 7.4% of residents are foreign-born.
- 88% of residents speak only English at home; 6.2% speak Spanish at home.

## ECONOMIC INDICATORS<sup>ii</sup>

Indicator	Ulster County	NY Statewide Rate
Median Household Income	\$58,592	\$58,687
% living at less than 100% of Federal Poverty Level	12.3%	16.0%
Unemployment Rate	10.2%	8.9%
% receiving Medicaid / means-tested Public Coverage	17.2%	22.5%
% Uninsured	10.3%	10.6%

## HIV/AIDS IN ULSTER COUNTY

New HIV Infections: Between 2011 and 2013, the average annual number of new HIV diagnoses in Ulster County was 10.3 per year. Annual HIV incidence is 5.7 per 100,000 residents. (New York State's overall incidence rate is 19.1 per 100,000 residents.)

PLWHA: As of December 31, 2013, there were 398 people living with HIV/AIDS (PLWHA) in Ulster County. HIV prevalence rate is 219.9 per 100,000 residents. (New York State's overall prevalence rate is 666.9 per 100,000 residents.)

Deaths: Between 2011 and 2013, an annual average of 7.3 deaths occurred among PLWHA.

### HIV/AIDS Incidence, Prevalence, and Deaths<sup>iii</sup>

	# of New HIV Diagnoses	%	# of PLWHA	%	# Deaths among PLWHA	%
<b>Total</b>	10.3	100.0%	398	100.0%	7.3	100.0%
<b>Sex at Birth</b>						
Male	8.7	84.5%	251	63.1%	5.0	68.5%
Female	1.7	16.5%	147	36.9%	2.3	31.5%
<b>Age</b>						
12 and under	0.3	3.2%	0	0.0%	0.0	0.0%
13-19	0.7	6.5%	2	0.5%	0.0	0.0%
20-24	1.3	12.9%	8	2.0%	0.0	0.0%
25-29	1.3	12.9%	16	4.0%	0.0	0.0%
30-39	0.3	3.2%	33	8.3%	0.0	0.0%
40-49	4.3	41.9%	117	29.4%	1.0	13.6%
50-59	1.3	12.9%	148	37.2%	3.7	50.0%
60+	0.7	6.5%	74	18.6%	2.7	36.4%



## HIV/AIDS Hospitalization Costs<sup>iv</sup>

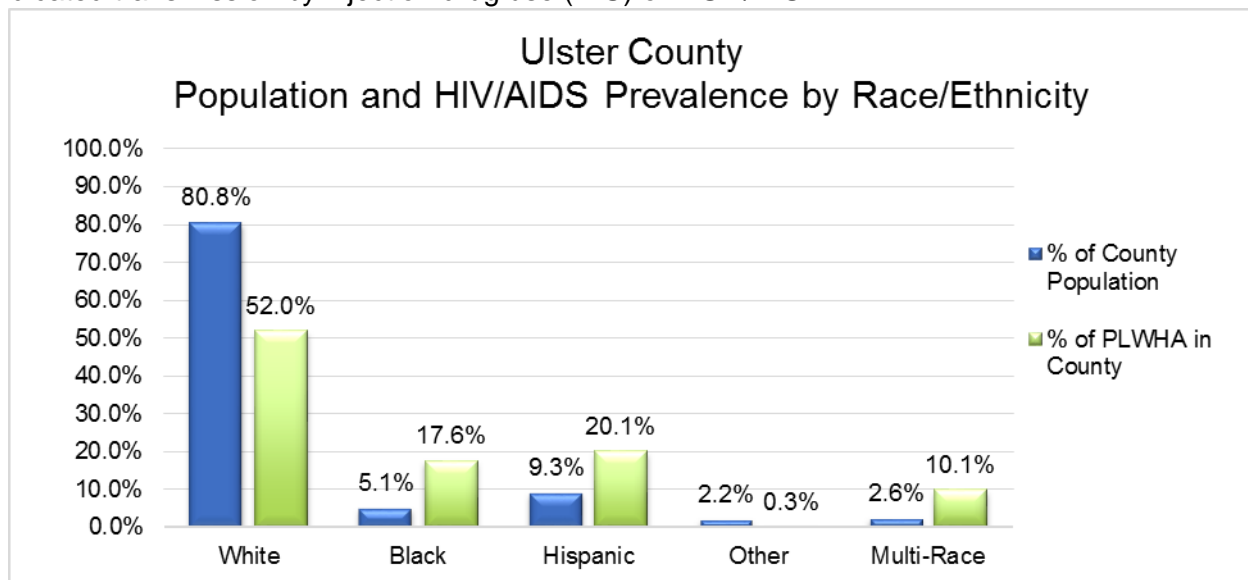
In 2014, a total of \$220,933 costs were incurred by three patients admitted for “HIV with Major and Multiple Major Related Conditions.”

- One patient was treated for “HIV with Major Related Conditions,” accounting for \$97,730 in hospitalization costs.
- Two patients were treated for “HIV with Multiple Major Related Conditions,” at a cost of \$123,204.

## HIV/AIDS Disparities

In Ulster County, HIV and AIDS disproportionately impacts non-White individuals, especially those identifying as Black (not Hispanic), Multi-Race (not Hispanic), and Hispanic (of any race). Over 48% of PLWHA in the county are non-White, despite non-White residents representing only 19.2% of total county population. Overall, the majority of PLWHA (52%) are White (not Hispanic).

Of the 26 males newly diagnosed with HIV during the three years between 2011 and 2013, 61.5% identified their transmission risk as men who have sex with men (MSM), two indicated the transmission as injection drug use (IDU), and two indicated the transmission as heterosexual. Of the five females newly diagnosed during these three years, 80% indicated a transmission risk of heterosexual or presumed heterosexual contact. Of all PLWHA in the county, 33.9% (135 individuals) indicated transmission by injection drug use (IDU) or MSM/IDU.



## HIV/AIDS Incidence and Prevalence by Transmission Risk<sup>v</sup>

	HIV Diagnoses (2011-13 Annual Average)		Living HIV and AIDS Cases (December 2013)	
Transmission Risk Group – Males				
Total	8.7	100.0%	251	100.0%
MSM	5.3	61.5%	111	44.2%
IDU	0.7	7.7%	58	23.1%
MSM/IDU	0.3	3.8%	23	9.2%
Heterosexual	0.7	7.7%	26	10.4%
Blood Products	0.0	0.0%	0	0.0%
Pediatric Risk	0.3	3.8%	3	1.2%

	HIV Diagnoses (2011-13 Annual Average)		Living HIV and AIDS Cases (December 2013)	
Unknown	1.3	15.4%	30	12.0%
<b>Transmission Risk Group – Females</b>				
<b>Total</b>	1.7	100.0%	147	100.0%
IDU	0.3	20.0%	34	23.1%
Heterosexual Contact	0.3	20.0%	84	57.1%
Female Presumed Heterosexual Contact	1.0	60.0%	24	16.3%
Blood Products	0.0	0.0%	0	0.0%
Pediatric Risk	0.0	0.0%	5	3.4%
Unknown	0.0	0.0%	0	0.0%

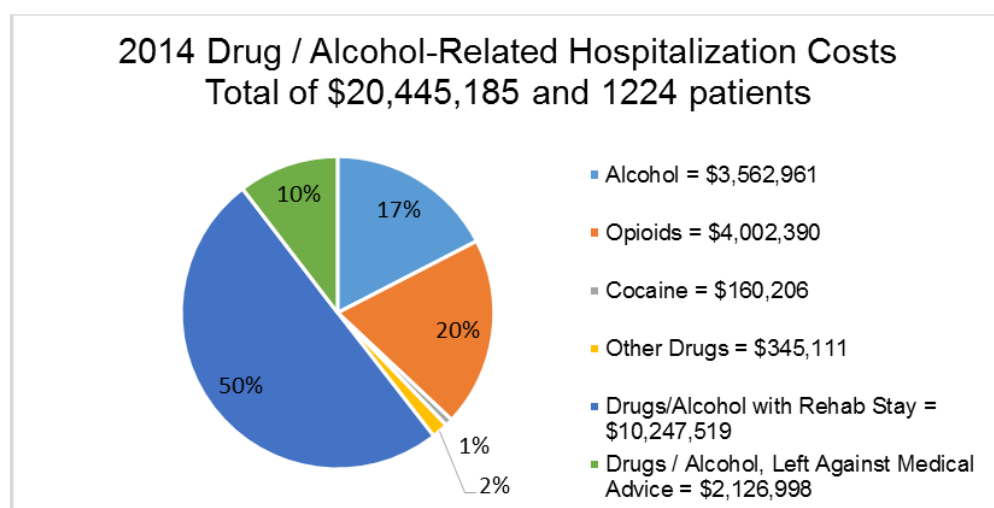
## HIV/AIDS RISK FACTORS

### Homelessness

- In January 2015, 343 people in Ulster County were homeless, according to the Point in Time count for the Kingston/Ulster County Continuum of Care (CoC) region (CoC NY-608).<sup>vi</sup>
  - Of these, 277 homeless people were sheltered and 66 were unsheltered.
  - Forty-one percent - 139 individuals - were members of homeless families.
  - The number of homeless unaccompanied youth (under age 25) was 39.

### Substance Use

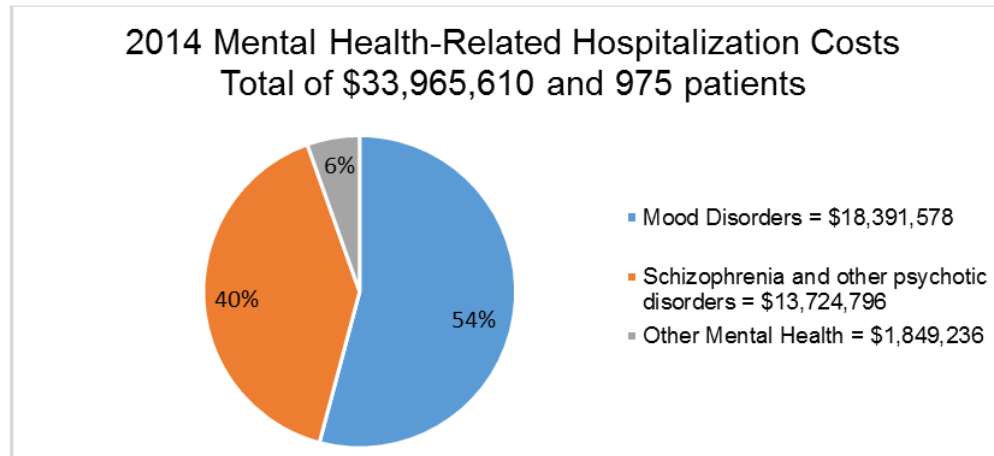
- County-wide, 22.0% of adults smoke cigarettes, higher than the New York State-wide rate of 15.9% of adults. The percentage of adults in Ulster County who report binge drinking in the past month is 10.5%, lower than the statewide rate of 17.7%.<sup>vii</sup>
- In 2014, Drug/Alcohol-Related hospitalizations in Ulster County had a total cost of over \$20.4 million for 1,224 patients admitted for 6,639 total days. The largest proportion of hospitalization costs was \$10.2 million for 202 patients admitted for “Drug/Alcohol Dependence with Rehab Stay” with an average length of stay of 17 days each. “Alcohol Abuse and Dependency” incurred \$3.5 million in costs for 363 patients and 1,050 days; “Opioid Abuse & Dependence” incurred \$4 million in costs for 408 patients and 1,280 days.<sup>viii</sup>



### Mental Health

- In 2014, the age-adjusted percentage of adults who reported poor mental health for 14 or more days in the past month is 16.8% – higher than the statewide rate of 11.1%.<sup>ix</sup>

- Hospitalizations due to mental health issues had a total cost of over \$33.9 million for 975 patients admitted for 10,563 days in 2014. Mood disorders (649 patients) accounted for 5,846 hospital days and almost \$18.4 million in costs. Schizophrenia or other psychotic disorders (248 patients) accounted for 4,229 hospital days and \$13.7 million. In addition, 78 patients were admitted for “other mental health disorder” for a total 488 days and cost of \$1.8 million.<sup>x</sup>



## REFERENCES

- <sup>i</sup> U.S. Census Bureau, 2010-2014 American Community Survey 5-Year Estimates.
- <sup>ii</sup> U.S. Census Bureau, 2010-2014 American Community Survey 5-Year Estimates.
- <sup>iii</sup> New York State HIV/AIDS County Surveillance Report (Excludes State Prison Inmates) For Cases Diagnosed Through December 2013. Bureau of HIV/AIDS Epidemiology AIDS, AIDS Institute, New York State Department of Health, August 2015.
- <sup>iv</sup> New York State Department of Health, Statewide Planning and Research Cooperative System (SPARCS). APR Major Diagnostic Category (MDC) by APR Diagnosis Related Group (DRG) Report by County for 2014 Inpatient Data. APR DRG = HIV with Major Related Conditions (892) and HIV with Multiple Major Related Conditions (890).
- <sup>v</sup> New York State HIV/AIDS County Surveillance Report (Excludes State Prison Inmates) For Cases Diagnosed Through December 2013. Bureau of HIV/AIDS Epidemiology AIDS, AIDS Institute, New York State Department of Health, August 2015.
- <sup>vi</sup> U.S. Housing and Urban Development, Continuum of Care Homeless Assistance Program Homeless Population and Subpopulation Report, Point in Time (PIT) counts from January 2015. Published November 2015. Retrieved August 8, 2016 from <https://www.hudexchange.info/resources/documents/2007-2015-PIT-counts-by-CoC.xls>
- <sup>vii</sup> 2013-2014 NYS Expanded Behavioral Risk Factor Surveillance System (NYS Counties outside NYC); 2013 NYS Behavioral Risk Factor Surveillance System (NYC counties), data as of 2015. <https://www.health.ny.gov/statistics/chac/general/g110.htm>; <https://www.health.ny.gov/statistics/chac/general/g108.htm>.
- <sup>viii</sup> New York State Department of Health, Statewide Planning and Research Cooperative System (SPARCS). APR Major Diagnostic Category (MDC) by APR Diagnosis Related Group Report by County for 2014 Inpatient Data.

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<sup>ix</sup> 2013-2014 NYS Expanded Behavioral Risk Factor Surveillance System (NYS Counties outside NYC); 2013 NYS Behavioral Risk Factor Surveillance System (NYC counties), data as of 2015.  
<https://www.health.ny.gov/statistics/chac/general/g106.htm>

<sup>x</sup> New York State Department of Health, Statewide Planning and Research Cooperative System (SPARCS). APR Major Diagnostic Category (MDC) by Clinical Classification (CCS) Diagnosis Category Report by County for 2014 Inpatient Data.

# Westchester County Community Profile

## DEMOGRAPHICS<sup>i</sup>

Westchester County's Total Population is **962,319**.

- Residents of Westchester County have a median age of 40.3, and 20.8% are age 60 or older.
- 56.1% of the population is White; 13.3% is Black, 22.8% Hispanic, 1.8% Multi-Race and 6.0% Other Races.
- 25.2% of residents are foreign-born; of all foreign-born residents, 21.0% (50,842) were born in Europe; 18.2% (44,016) were born in Asia (including 11,007 in India); and 56.3% (136,337) were born in Latin America (including 47,136 in Caribbean, 42,470 in Central America, and 46,731 in South America).
- Only 67% of residents speak only English at home; 19.3% speak Spanish at home, 8.9% speak other Indo-European languages, and 3.3% speak Asian or Pacific Islander languages.

## ECONOMIC INDICATORS<sup>ii</sup>

Indicator	Westchester County	NY Statewide Rate
Median Household Income	\$83,422	\$58,687
% living at less than 100% of Federal Poverty Level	9.6%	16.0%
Unemployment Rate	8.1%	8.9%
% receiving Medicaid / means-tested Public Coverage	13.5%	22.5%
% Uninsured	10.5%	10.6%

## HIV/AIDS IN WESTCHESTER COUNTY

**New HIV Infections:** Between 2011 and 2013, the average annual number of new HIV diagnoses in Westchester County was 111.3 per year. Annual HIV incidence is 11.5 per 100,000 residents. (New York State's overall incidence rate is 19.1 per 100,000 residents.)

**PLWHA:** As of December 31, 2013, there were 3,331 people living with HIV/AIDS (PLWHA) in Westchester County. HIV prevalence rate is 343.8 per 100,000 residents. (New York State's overall prevalence rate is 666.9 per 100,000 residents.)

**Deaths:** Between 2011 and 2013, an annual average of 50 deaths per year occurred among PLWHA.

### HIV/AIDS Incidence, Prevalence, and Deaths<sup>iii</sup>

	# of New HIV Diagnoses	%	# of PLWHA	%	# Deaths among PLWHA	%
<b>Total</b>	111.3	100.0%	3331	100.0%	50.0	100.0%
<b>Sex at Birth</b>						
Male	84.0	75.4%	2164	65.0%	33.3	66.6%
Female	27.3	24.6%	1167	35.0%	16.7	33.4%
<b>Age</b>						
12 and under	0.0	0.0%	0	0.0%	0.0	0.0%
13-19	5.0	4.5%	27	0.8%	0.3	70.0%
20-24	17.7	15.9%	80	2.4%	0.0	0.0%
25-29	14.3	12.8%	172	5.2%	0.7	1.3%
30-39	22.7	20.4%	423	12.7%	3.7	7.3%

40-49	20.7	18.6%	865	26.0%	8.0	16.0%
50-59	22.0	19.8%	1108	33.3%	22.7	45.3%
60+	9.0	8.1%	655	19.7%	14.7	29.3%

### HIV/AIDS Hospitalization Costs<sup>iv</sup>

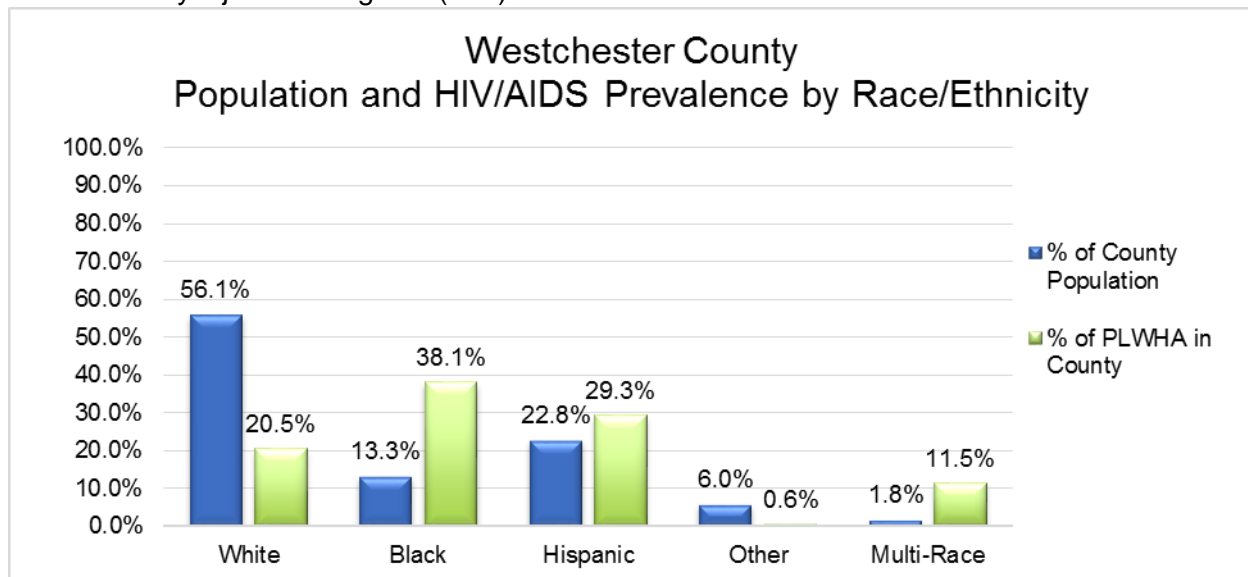
In 2014, a total of \$7,083,171 in costs were incurred by 101 patients admitted for “HIV with Major and Multiple Major Related Conditions.”

- 61 patients were treated for “HIV with Major Related Conditions,” accounting for \$2.7 million in hospitalization costs.
- 40 patients were treated for “HIV with Multiple Major Related Conditions,” at a cost of \$4.4 million.

### HIV/AIDS Disparities

In Westchester County, HIV and AIDS disproportionately impacts non-White individuals, especially those identifying as Black (not Hispanic), Multi-Race (not Hispanic) and Hispanic (of any race). Almost 80% of PLWHA in the county are non-White, despite non-White residents representing only 44% of total county population.

Of the 252 males newly diagnosed with HIV during the three years between 2011 and 2013, 64% identified their transmission risk as men who have sex with men (MSM); 14.3% identified transmission as heterosexual; 15.5% indicated unknown transmission risk. Of the 82 females newly diagnosed during these three years, 96.4% indicated a transmission risk of heterosexual or presumed heterosexual contact. Of all PLWHA in the county, 22.4% (749 individuals) indicated transmission by injection drug use (IDU) or MSM/IDU.



### HIV/AIDS Incidence and Prevalence by Transmission Risk<sup>v</sup>

	HIV Diagnoses (2011-13 Annual Average)		Living HIV and AIDS Cases (December 2013)	
Transmission Risk Group – Males				
Total	84.0	100.0%	2164	100.0%
MSM	53.7	63.9%	1064	49.2%
IDU	4.0	4.8%	392	18.1%
MSM/IDU	1.3	1.6%	127	5.9%

	HIV Diagnoses (2011-13 Annual Average)		Living HIV and AIDS Cases (December 2013)	
Heterosexual	12.0	14.3%	317	14.6%
Blood Products	0.0	0.0%	4	0.2%
Pediatric Risk	0.0	0.0%	28	1.3%
Unknown	13.0	15.5%	232	10.7%
<b>Transmission Risk Group – Females</b>				
<b>Total</b>	27.3	100.0%	1167	100.0%
IDU	1.0	3.7%	230	19.7%
Heterosexual Contact	13.3	48.8%	711	60.9%
Female Presumed Heterosexual Contact	13.0	47.6%	194	16.6%
Blood Products	0.0	0.0%	3	0.3%
Pediatric Risk	0.0	0.0%	29	2.5%
Unknown	0.0	0.0%	0	0.0%

## HIV/AIDS RISK FACTORS

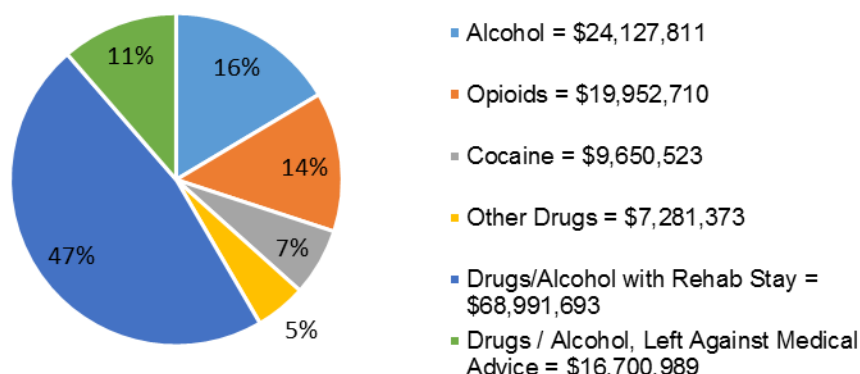
### Homelessness

- In January 2015, 1,797 people in Westchester County were homeless, according to the Point in Time count for the Westchester County Continuum of Care (CoC) region (CoC NY-604).<sup>vi</sup>
  - Of these, 1,770 homeless people were sheltered and 27 were unsheltered.
  - Fifty-nine percent – 1,066 individuals - were members of homeless families.
  - The number of homeless unaccompanied youth (under age 25) was 59.

### Substance Use

- County-wide, 12.2% of adults smoke cigarettes, less than the New York State-wide rate of 15.9% of adults. The percentage of adults in Westchester County who report binge drinking in the past month is 17.9%, similar to the statewide rate of 17.7%.<sup>vii</sup>
- In 2014, Drug/Alcohol-Related hospitalizations in Westchester County had a total cost of over \$146.7 million for 9,161 patients admitted for 73,759 total days.
  - The largest proportion of hospitalization costs was \$68.99 million for 1,770 patients admitted for “Drug/Alcohol Dependence with Rehab Stay” with an average length of stay of 19 days.
  - “Alcohol Abuse and Dependency” incurred \$24.1 million in costs for 1,664 patients and 10,541 days.
  - “Opioid Abuse and Dependence” incurred \$19.9 million in costs for 2,099 patients and 10,752 days.
  - “Cocaine Abuse and Dependence” and “Other Drug Abuse and Dependence” incurred a combined \$16.9 million in costs for 1,479 patients and 10,648 days.
  - An additional \$16.7 million was attributed to “Drug/Alcohol Abuse and Dependence, Patient Left Against Medical Advice” for 2,149 patients and 8,121 days.<sup>viii</sup>

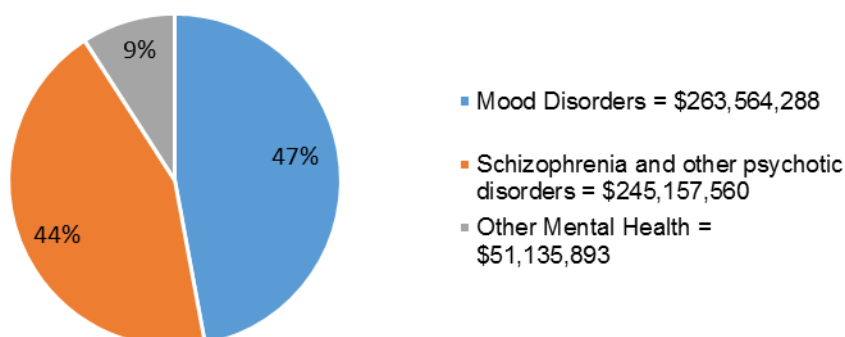
### 2014 Drug / Alcohol-Related Hospitalization Costs Total of \$146,705,099 and 9161 patients



### Mental Health

- In 2014, the age-adjusted percentage of adults who reported poor mental health for 14 or more days in the past month was 10.9% – similar to the statewide rate of 11.1%.<sup>ix</sup>
- Hospitalizations due to mental health issues had a total cost of over \$559.8 million for 11,279 patients admitted for 182,186 days in 2014.
  - Mood disorders (6,667 patients) accounted for 82,062 hospital days and \$263.5 million in costs.
  - Schizophrenia or other psychotic disorders (3,332 patients) accounted for 85,825 hospital days and \$245.1 million in costs.
  - In addition, 1,280 patients were admitted for an “other mental health disorder,” for a total 14,299 days and cost of \$51.1 million.<sup>x</sup>

### 2014 Mental Health-Related Hospitalization Costs Total of \$559,857,741 and 11279 patients





## REFERENCES

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- <sup>i</sup> U.S. Census Bureau, 2010-2014 American Community Survey 5-Year Estimates.
- <sup>ii</sup> U.S. Census Bureau, 2010-2014 American Community Survey 5-Year Estimates.
- <sup>iii</sup> New York State HIV/AIDS County Surveillance Report (Excludes State Prison Inmates) For Cases Diagnosed Through December 2013. Bureau of HIV/AIDS Epidemiology AIDS, AIDS Institute, New York State Department of Health, August 2015.
- <sup>iv</sup> New York State Department of Health, Statewide Planning and Research Cooperative System (SPARCS). APR Major Diagnostic Category (MDC) by APR Diagnosis Related Group (DRG) Report by County for 2014 Inpatient Data. APR DRG = HIV with Major Related Conditions (892) and HIV with Multiple Major Related Conditions (890).
- <sup>v</sup> New York State HIV/AIDS County Surveillance Report (Excludes State Prison Inmates) For Cases Diagnosed Through December 2013. Bureau of HIV/AIDS Epidemiology AIDS, AIDS Institute, New York State Department of Health, August 2015.
- <sup>vi</sup> U.S. Housing and Urban Development, Continuum of Care Homeless Assistance Program Homeless Population and Subpopulation Report, Point in Time (PIT) counts from January 2015. Published November 2015. Retrieved August 8, 2016 from <https://www.hudexchange.info/resources/documents/2007-2015-PIT-counts-by-CoC.xls>
- <sup>vii</sup> 2013-2014 NYS Expanded Behavioral Risk Factor Surveillance System (NYS Counties outside NYC); 2013 NYS Behavioral Risk Factor Surveillance System (NYC counties), data as of 2015. <https://www.health.ny.gov/statistics/chac/general/g110.htm>; <https://www.health.ny.gov/statistics/chac/general/g108.htm>.
- <sup>viii</sup> New York State Department of Health, Statewide Planning and Research Cooperative System (SPARCS). APR Major Diagnostic Category (MDC) by APR Diagnosis Related Group Report by County for 2014 Inpatient Data.
- <sup>ix</sup> 2013-2014 NYS Expanded Behavioral Risk Factor Surveillance System (NYS Counties outside NYC); 2013 NYS Behavioral Risk Factor Surveillance System (NYC counties), data as of 2015. <https://www.health.ny.gov/statistics/chac/general/g106.htm>
- <sup>x</sup> New York State Department of Health, Statewide Planning and Research Cooperative System (SPARCS). APR Major Diagnostic Category (MDC) by Clinical Classification (CCS) Diagnosis Category Report by County for 2014 Inpatient Data.

# Delaware County Community Profile

## DEMOGRAPHICS<sup>i</sup>

Delaware County's Total Population is **47,223**.

- Residents in Delaware County are older; they have a median age of 46.0, and 28.3% are 60 years or older.
- 92.8% of the population is White; 1.8% is Black, 3.4% Hispanic, 1.0% Multi-Race and 1.0% Other Races.
- Only 3.6% of residents are foreign-born.
- 94% of residents speak only English at home; of the 2.2% who speak Spanish at home, the majority are from Mexico or Puerto Rico.

## ECONOMIC INDICATORS<sup>ii</sup>

Indicator	Delaware County	NY Statewide Rate
Median Household Income	\$44,183	\$58,687
% living at less than 100% of Federal Poverty Level	13.5%	16.0%
Unemployment Rate	10.1%	8.9%
% receiving Medicaid / means-tested Public Coverage	18.8%	22.5%
% Uninsured	9.7%	10.6%

## HIV/AIDS IN DELAWARE COUNTY

New HIV Infections: Between 2011 and 2013, the average annual number of new HIV diagnoses in Delaware County was 1.3 per year. Annual HIV incidence is 2.9 per 100,000 residents.

PLWHA: As of December 31, 2013, there were 51 people living with HIV/AIDS in Delaware County. HIV prevalence is 109.2 per 100,000 residents. (New York State's overall prevalence is 666.9 per 100,000 residents.)

Deaths: Between 2011 and 2013, the average annual number of deaths among PLWHA was 1.3.

### HIV/AIDS Incidence, Prevalence, and Deaths<sup>iii</sup>

	# of New HIV Diagnoses	%	# of PLWHA	%	# Deaths among PLWHA	%
<b>Total</b>	1.3	100.0%	51	100.0%	1.3	100.0%
<b>Sex at Birth</b>						
Male	1.3	100.0%	37	72.5%	1.3	100.0%
Female	0.0	0.0%	14	27.5%	0.0	0.0%
<b>Age</b>						
12 & under	0.0	0.0%	0	0.0%	0.0	0.0%
13-19	0.0	0.0%	0	0.0%	0.0	0.0%
20-24	0.3	25.0%	3	5.9%	0.0	0.0%
25-29	0.0	0.0%	0	0.0%	0.0	0.0%
30-39	0.3	25.0%	3	5.9%	0.3	25.0%
40-49	0.0	0.0%	17	33.3%	0.0	0.0%
50-59	0.3	25.0%	16	31.4%	1.0	75.0%
60+	0.3	25.0%	12	23.5%	0.0	0.0%

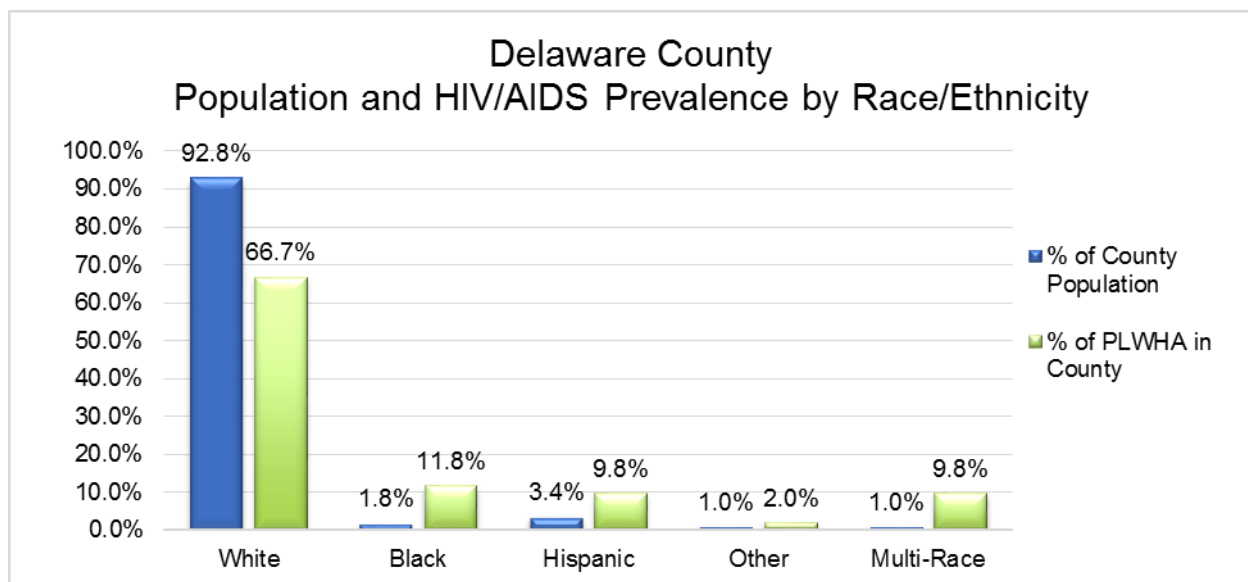
## HIV/AIDS Hospitalization Costs<sup>iv</sup>

In 2014, hospitals in Delaware County reported \$0 in hospitalization costs and 0 patients admitted for “HIV with Major and Multiple Major Related Conditions.”

## HIV/AIDS Disparities

HIV and AIDS disproportionately impacts non-White individuals in Delaware County, including those who identify as Black (not Hispanic), Multi-Race (not Hispanic), and Hispanic (of any race). Over 33% of PLWHA in the county identify as a minority race/ethnicity, despite only representing 7.2% of the total County population.

From 2011 through 2013, of the four new HIV diagnoses among males, 50% had a transmission risk of men who have sex with men (MSM); one indicated a risk as an injection drug user (IDU), and one indicated unknown transmission risk. No females were newly diagnosed during those three years, but of the 14 females currently living with HIV, four indicated a transmission by IDU and one by pediatric risk (perinatal transmission).



## HIV/AIDS Incidence and Prevalence by Transmission Risk<sup>v</sup>

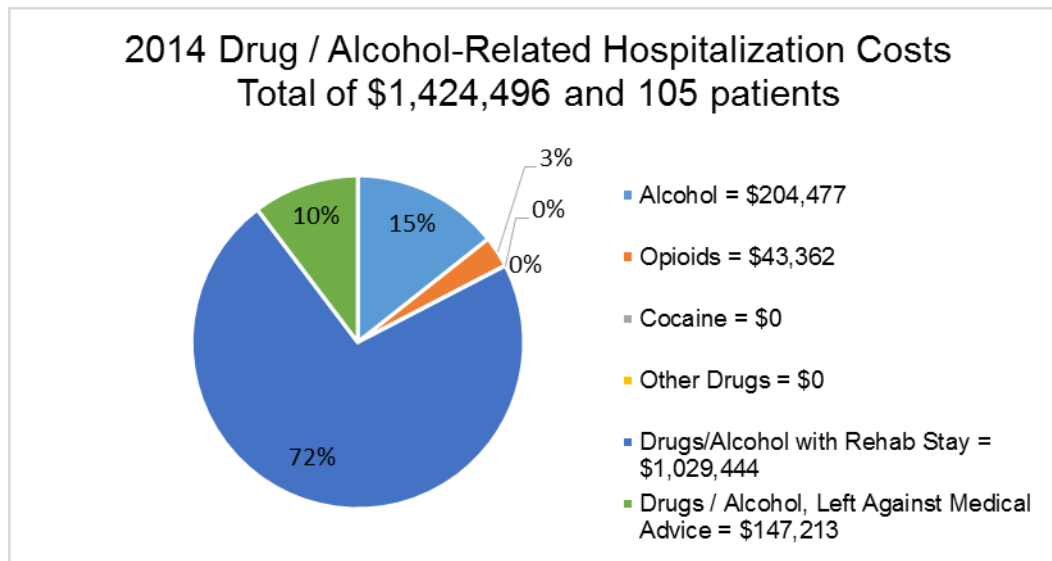
	HIV Diagnoses (2011-13 Annual Average)		Living HIV and AIDS Cases (December 2013)	
Transmission Risk Group – Males				
Total	1.3	100.0%	37	100.0%
MSM	0.7	50.0%	21	56.8%
IDU	0.3	25.0%	4	10.8%
MSM/IDU	0.0	0.0%	3	8.1%
Heterosexual	0.0	0.0%	1	2.7%
Blood Products	0.0	0.0%	1	2.7%
Pediatric Risk	0.0	0.0%	0	0.0%
Unknown	0.3	25.0%	7	18.9%
Transmission Risk Group – Females				
Total	0.0	100.0%	14	100.0%

	HIV Diagnoses (2011-13 Annual Average)		Living HIV and AIDS Cases (December 2013)	
IDU	0.0	0.0%	4	28.6%
Heterosexual Contact	0.0	0.0%	8	57.1%
Female Presumed Heterosexual Contact	0.0	0.0%	1	7.1%
Blood Products	0.0	0.0%	0	0.0%
Pediatric Risk	0.0	0.0%	1	7.1%
Unknown	0.0	0.0%	0	0.0%

## HIV/AIDS RISK FACTORS

### Substance Use

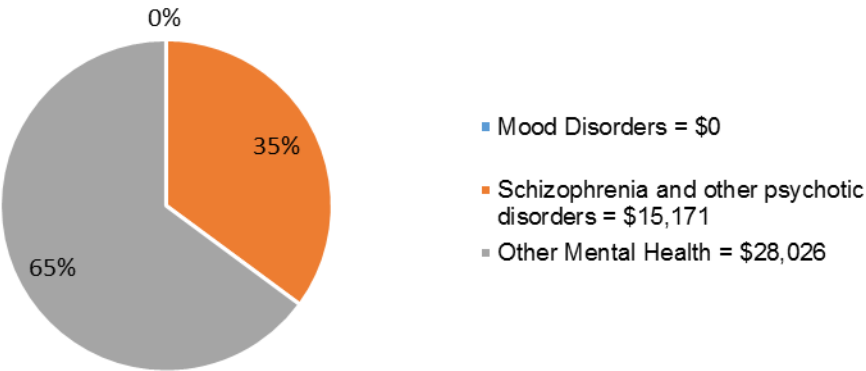
- Among adults, 24.6% of adults smoke cigarettes, significantly higher than the New York State-wide rate of 15.9% of adults. The percentage of adults in Delaware County who report binge drinking in the past month is 18.1%, higher than the statewide rate of 17.7%.<sup>vi</sup>
- In 2014, Drug/Alcohol-Related Hospitalizations in Delaware County had a total cost of over \$1.4 million, for 105 patients staying for 1,137 total days. The 54 patients admitted for “Drug/Alcohol Dependence with Rehab Stay” had an average length of stay of 17 days and incurred the largest proportion of costs: \$1,029,444.<sup>vii</sup>



### Mental Health

- In 2014, the age-adjusted percentage of adults who reported poor mental health for 14 or more days in the past month is 6.3% - lower than the statewide rate of 11.1%.<sup>viii</sup>
- Hospitalizations due to schizophrenia or other psychotic disorders accounted for only one patient (14 hospital days). Only three other patients were admitted for other mental health disorders, incurring \$28,026 in hospitalization costs.<sup>ix</sup>

2014 Mental Health-Related Hospitalization Costs  
Total of \$43,197 and 4 patients



## REFERENCES

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- <sup>i</sup> U.S. Census Bureau, 2010-2014 American Community Survey 5-Year Estimates.
- <sup>ii</sup> U.S. Census Bureau, 2010-2014 American Community Survey 5-Year Estimates.
- <sup>iii</sup> New York State HIV/AIDS County Surveillance Report (Excludes State Prison Inmates) For Cases Diagnosed Through December 2013. Bureau of HIV/AIDS Epidemiology AIDS, AIDS Institute, New York State Department of Health, August 2015.
- <sup>iv</sup> New York State Department of Health, Statewide Planning and Research Cooperative System (SPARCS). APR Major Diagnostic Category (MDC) by APR Diagnosis Related Group (DRG) Report by County for 2014 Inpatient Data. APR DRG = HIV with Major Related Conditions (892) and HIV with Multiple Major Related Conditions (890).
- <sup>v</sup> New York State HIV/AIDS County Surveillance Report (Excludes State Prison Inmates) For Cases Diagnosed Through December 2013. Bureau of HIV/AIDS Epidemiology AIDS, AIDS Institute, New York State Department of Health, August 2015.
- <sup>vi</sup> 2013-2014 NYS Expanded Behavioral Risk Factor Surveillance System (NYS Counties outside NYC); 2013 NYS Behavioral Risk Factor Surveillance System (NYC counties), data as of 2015. <https://www.health.ny.gov/statistics/chac/general/g110.htm>; <https://www.health.ny.gov/statistics/chac/general/g108.htm>.
- <sup>vii</sup> New York State Department of Health, Statewide Planning and Research Cooperative System (SPARCS). APR Major Diagnostic Category (MDC) by APR Diagnosis Related Group Report by County for 2014 Inpatient Data.
- <sup>viii</sup> 2013-2014 NYS Expanded Behavioral Risk Factor Surveillance System (NYS Counties outside NYC); 2013 NYS Behavioral Risk Factor Surveillance System (NYC counties), data as of 2015. <https://www.health.ny.gov/statistics/chac/general/g106.htm>
- <sup>ix</sup> New York State Department of Health, Statewide Planning and Research Cooperative System (SPARCS). APR Major Diagnostic Category (MDC) by Clinical Classification (CCS) Diagnosis Category Report by County for 2014 Inpatient Data.

# Dutchess County Community Profile

## DEMOGRAPHICS<sup>i</sup>

Dutchess County's Total Population is **297,388**.

- Residents of Dutchess County have a median age of 40.8, and 20.6% are 60 years or older.
- Over 26.5% of the population is non-White; 9.2% is Black, 11.0% Hispanic, 2.0% Multi-Race and 4.2% Other Races.
- 11.7% of residents are foreign-born. Of these foreign-born residents, 45.1% (15,679) were born in Latin America (including 6,535 in the Caribbean and 9,144 born in Central or South America). Next, 26.5% (9,217) were born in Asia (including 2,468 in India); and, 21.2% (7,379) were born in Europe.
- 85% of residents speak only English at home; 7.5% speak Spanish at home, and 4.5% speak other Indo-European languages. Asian languages are spoken by 2.1% of the population.

## ECONOMIC INDICATORS<sup>ii</sup>

Indicator	Dutchess County	NY Statewide Rate
Median Household Income	\$72,471	\$58,687
% living at less than 100% of Federal Poverty Level	8.8%	16.0%
Unemployment Rate	9.3%	8.9%
% receiving Medicaid / means-tested Public Coverage	13.2%	22.5%
% Uninsured	8.5%	10.6%

## HIV/AIDS IN DUTCHESS COUNTY

New HIV Infections: Between 2011 and 2013, the average annual number of new HIV diagnoses in Dutchess County was 24.3 per year. Annual HIV incidence is 8.2 per 100,000 residents.

PLWHA: As of December 31, 2013, there were 629 people living with HIV/AIDS in Dutchess County. HIV prevalence is 211.8 per 100,000 residents. (New York State's overall prevalence is 666.9 per 100,000 residents.)

Deaths: Between 2011 and 2013, the average annual number of deaths among PLWHA was 12.3.

### HIV/AIDS Incidence, Prevalence, and Deaths<sup>iii</sup>

	# of New HIV Diagnoses	%	# of PLWHA	%	# Deaths among PLWHA	%
<b>Total</b>	24.3	100.0%	629	100.0%	12.3	100.0%
<b>Sex at Birth</b>						
Male	19.0	78.2%	412	65.5%	8.3	67.5%
Female	5.3	21.8%	217	34.5%	4.0	32.5%
<b>Age</b>						
12 & under	0.7	2.9%	3	0.5%	0.0	0.0%
13-19	0.7	2.9%	5	0.8%	0.0	0.0%
20-24	4.3	17.7%	24	3.8%	0.0	0.0%
25-29	3.3	13.6%	31	4.9%	0.3	2.4%
30-39	3.3	13.6%	70	11.1%	0.0	0.0%
40-49	5.7	23.5%	153	24.3%	2.3	18.7%

50-59	5.0	20.6%	239	38.0%	6.3	51.2%
60+	1.3	5.3%	104	16.5%	3.3	26.8%

### HIV/AIDS Hospitalization Costs<sup>iv</sup>

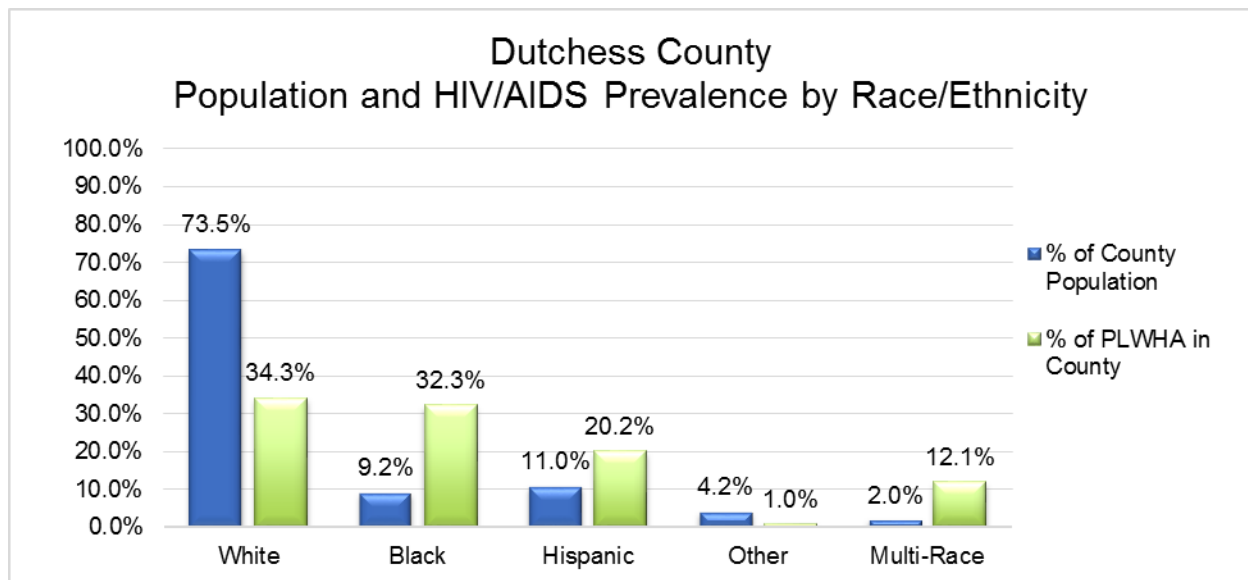
In 2014, a total of \$2,251,816 in costs were incurred by 29 patients admitted for “HIV with Major and Multiple Major Related Conditions.”

- 14 patients were treated for “HIV with Major Related Conditions,” accounting for \$866,912 in hospitalization costs.
- 15 patients were treated for “HIV with Multiple Major Related Conditions,” at a total cost of \$1,384,904.

### HIV/AIDS Disparities

HIV and AIDS disproportionately impacts non-White individuals in Dutchess County, including those who identify as Black (not Hispanic), Multi-Race (not Hispanic), and Hispanic (of any race). Over 65% of PLWHA in the county identify as a minority race/ethnicity, despite only representing 26.5% of the total County population.

From 2011 through 2013, of the 57 new HIV diagnoses among males, 63% had a transmission risk of men who have sex with men (MSM); 12.1% indicated transmission as an injection drug user (IDU), and 12.1% indicated unknown transmission risk. Of the 16 females newly diagnosed during these three years, 94.3% indicated transmission by heterosexual or presumed heterosexual contact. Almost 25% of current PLWHA (male and female) indicated transmission by IDU or MSM/IDU.



### HIV/AIDS Incidence and Prevalence by Transmission Risk<sup>v</sup>

	HIV Diagnoses (2011-13 Annual Average)		Living HIV and AIDS Cases (December 2013)	
Transmission Risk Group – Males				
Total	19.0	100.0%	412	100.0%
MSM	12.0	63.2%	200	48.5%
IDU	2.3	12.1%	82	19.9%
MSM/IDU	0.3	1.6%	25	6.1%



	HIV Diagnoses (2011-13 Annual Average)		Living HIV and AIDS Cases (December 2013)	
Heterosexual	1.3	6.8%	48	11.7%
Blood Products	0.0	0.0%	1	0.2%
Pediatric Risk	0.7	3.7%	13	3.2%
Unknown	2.3	12.1%	43	10.4%
<b>Transmission Risk Group – Females</b>				
<b>Total</b>	5.3	100.0%	217	100.0%
IDU	0.3	5.7%	50	23.0%
Heterosexual Contact	2.0	37.7%	121	55.8%
Female Presumed Heterosexual Contact	3.0	56.6%	34	15.7%
Blood Products	0.0	0.0%	2	0.9%
Pediatric Risk	0.0	0.0%	9	4.1%
Unknown	0.0	0.0%	1	0.5%

## HIV/AIDS RISK FACTORS

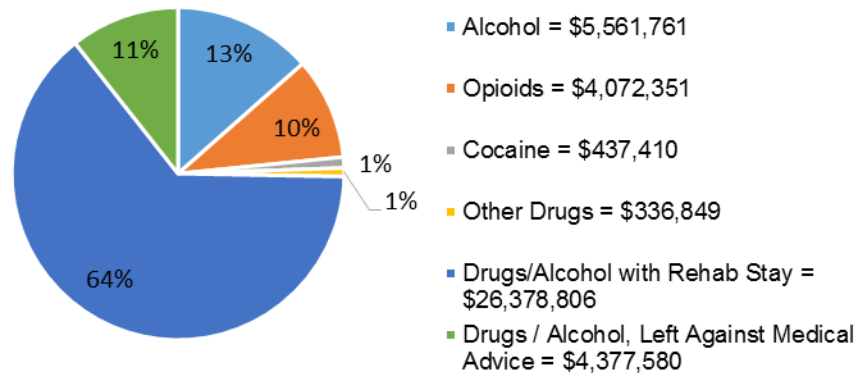
### Homelessness

- In January 2015, 375 people in Dutchess County were homeless, according to the Point in Time count for the Poughkeepsie/Dutchess County Continuum of Care region (CoC NY-601).<sup>vi</sup>
  - Of these, 360 homeless people were sheltered and 15 were unsheltered.
  - Fifty-three percent - 198 individuals - were members of homeless families.
  - The number of homeless unaccompanied youth (under age 25) was 27.

### Substance Use

- Among adults, 16.5% of adults smoke cigarettes, significantly higher than the New York State-wide rate of 15.9% of adults. The percentage of adults in Dutchess County who report binge drinking in the past month is 14.6%, lower than the statewide rate of 17.7%.<sup>vii</sup>
- In 2014, Drug/Alcohol-Related Hospitalizations in Dutchess County had a total cost of over \$41.1 million, for 1,473 patients staying for 13,980 total days. The 494 patients admitted for “Drug/Alcohol Dependence with Rehab Stay” had an average length of stay of 20 days and incurred the largest proportion of costs: \$26,378,806.<sup>viii</sup>

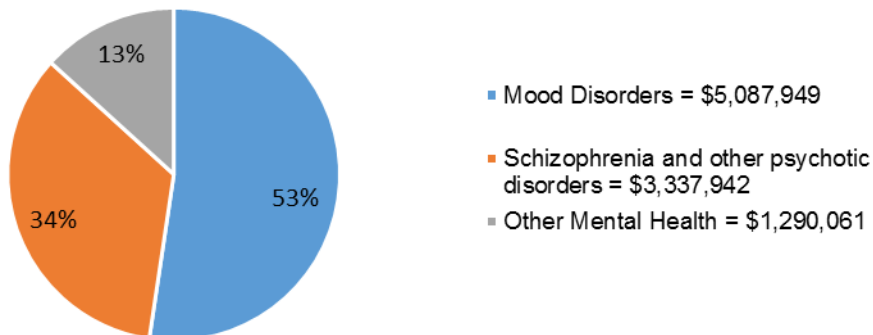
### 2014 Drug / Alcohol-Related Hospitalization Costs Total of \$41,164,756 and 1473 patients



### Mental Health

- In 2014, the age-adjusted percentage of adults who reported poor mental health for 14 or more days in the past month is 10.9% - similar to the statewide rate of 11.1%.<sup>ix</sup>
- Hospitalizations due to mood disorders and schizophrenia or other psychotic disorders accounted for 911 patients, 12,117 hospital days, and over \$8.4 million in costs in 2014. An additional \$1,290,061 was incurred by 19 patients with other mental health disorders.<sup>x</sup>

### 2014 Mental Health-Related Hospitalization Costs Total of \$9,715,952 and 968 patients



## REFERENCES

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- <sup>i</sup> U.S. Census Bureau, 2010-2014 American Community Survey 5-Year Estimates.
- <sup>ii</sup> U.S. Census Bureau, 2010-2014 American Community Survey 5-Year Estimates.
- <sup>iii</sup> New York State HIV/AIDS County Surveillance Report (Excludes State Prison Inmates) For Cases Diagnosed Through December 2013. Bureau of HIV/AIDS Epidemiology AIDS, AIDS Institute, New York State Department of Health, August 2015.
- <sup>iv</sup> New York State Department of Health, Statewide Planning and Research Cooperative System (SPARCS). APR Major Diagnostic Category (MDC) by APR Diagnosis Related Group (DRG) Report by County for 2014 Inpatient Data. APR DRG = HIV with Major Related Conditions (892) and HIV with Multiple Major Related Conditions (890).
- <sup>v</sup> New York State HIV/AIDS County Surveillance Report (Excludes State Prison Inmates) For Cases Diagnosed Through December 2013. Bureau of HIV/AIDS Epidemiology AIDS, AIDS Institute, New York State Department of Health, August 2015.
- <sup>vi</sup> U.S. Housing and Urban Development, Continuum of Care Homeless Assistance Program Homeless Population and Subpopulation Report, Point in Time (PIT) counts from January 2015. Published November 2015. Retrieved August 8, 2016 from <https://www.hudexchange.info/resources/documents/2007-2015-PIT-counts-by-CoC.xls>
- <sup>vii</sup> 2013-2014 NYS Expanded Behavioral Risk Factor Surveillance System (NYS Counties outside NYC); 2013 NYS Behavioral Risk Factor Surveillance System (NYC counties), data as of 2015. <https://www.health.ny.gov/statistics/chac/general/g110.htm>; <https://www.health.ny.gov/statistics/chac/general/g108.htm>.
- <sup>viii</sup> New York State Department of Health, Statewide Planning and Research Cooperative System (SPARCS). APR Major Diagnostic Category (MDC) by APR Diagnosis Related Group Report by County for 2014 Inpatient Data.
- <sup>ix</sup> 2013-2014 NYS Expanded Behavioral Risk Factor Surveillance System (NYS Counties outside NYC); 2013 NYS Behavioral Risk Factor Surveillance System (NYC counties), data as of 2015. <https://www.health.ny.gov/statistics/chac/general/g106.htm>
- <sup>x</sup> New York State Department of Health, Statewide Planning and Research Cooperative System (SPARCS). APR Major Diagnostic Category (MDC) by Clinical Classification (CCS) Diagnosis Category Report by County for 2014 Inpatient Data.

# Orange County Community Profile

## DEMOGRAPHICS<sup>i</sup>

Orange County's Total Population is **374,518**.

- Residents of Orange County are younger; they have a median age of 36.8, and 17.3% are 60 years or older.
- 67.1% of the population is White; 9.3% is Black, 18.8% Hispanic, 1.9% Multi-Race and 2.9% Other Races.
- 11.2% of residents are foreign-born. Of all foreign-born residents, 20.3% (8,527) were born in Europe; 16.9% (7,124) were born in Asia (including 1,118 in the Philippines and 1,517 in India); and 58.2% (24,517) were born in Latin America (including 7,339 in the Caribbean; 11,562 in Central America, and 5,556 in South America).
- 76% of residents speak only English at home; 13.6% speak Spanish at home, 8.2% speak other Indo-European languages, and 1.3% speak an Asian or Pacific Islander language.

## ECONOMIC INDICATORS<sup>ii</sup>

Indicator	Orange County	NY Statewide Rate
Median Household Income	\$70,794	\$58,687
% living at less than 100% of Federal Poverty Level	12.6%	16.0%
Unemployment Rate	8.0%	8.9%
% receiving Medicaid / means-tested Public Coverage	18.5%	22.5%
% Uninsured	9.0%	10.6%

## HIV/AIDS IN ORANGE COUNTY

**New HIV Infections:** Between 2011 and 2013, the average annual number of new HIV diagnoses in Orange County was 21.7 per year. Annual HIV incidence is 5.8 per 100,000 residents. (New York State's overall incidence rate is 19.1 per 100,000 residents.)

**PLWHA:** As of December 31, 2013, there were 804 people living with HIV/AIDS in Orange County. HIV prevalence rate is 214.1 per 100,000 residents. (New York State's overall prevalence rate is 666.9 per 100,000 residents.)

**Deaths:** Between 2011 and 2013, the average annual number of deaths among PLWHA was 13.7.

### HIV/AIDS Incidence, Prevalence, and Deaths<sup>iii</sup>

	# of New HIV Diagnoses	%	# of PLWHA	%	# Deaths among PLWHA	%
<b>Total</b>	21.7	100.0%	804	100.0%	13.7	100.0%
<b>Sex at Birth</b>						
Male	12.7	58.5%	512	63.7%	10.3	75.6%
Female	9.0	41.5%	292	36.3%	3.3	24.4%
<b>Age</b>						
12 and under	0.0	0.0%	1	0.1%	0.0	0.0%
13-19	0.7	3.2%	8	1.0%	0.0	0.0%
20-24	4.0	18.4%	30	3.7%	0.0	0.0%

25-29	1.0	4.6%	31	3.9%	0.0	0.0%
30-39	5.0	23.0%	94	11.7%	1.0	7.3%
40-49	5.3	24.4%	199	24.8%	1.3	9.8%
50-59	4.0	18.4%	303	37.7%	5.7	41.5%
60+	1.7	7.7%	138	17.2%	5.7	41.5%

### HIV/AIDS Hospitalization Costs<sup>iv</sup>

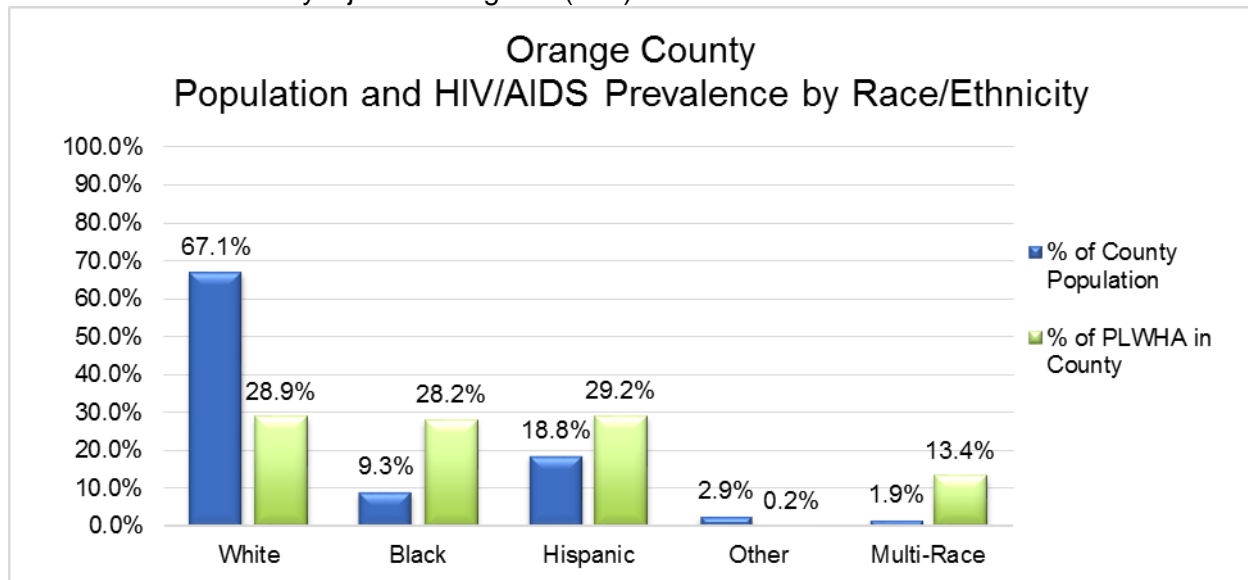
In 2014, a total of \$3,844,823 in costs were incurred by 49 patients admitted for “HIV with Major and Multiple Major Related Conditions.”

- 24 patients were treated for “HIV with Major Related Conditions,” accounting for \$971,954 in hospitalization costs.
- 25 patients were treated for “HIV with Multiple Major Related Conditions,” at a cost of \$2,872,870.

### HIV/AIDS Disparities

In Orange County, HIV and AIDS disproportionately impacts non-White individuals, especially those identifying as Black (not Hispanic), Multi-Race (not Hispanic), and Hispanic (of any race). Over 71% of PLWHA in the county are non-White, despite non-White residents representing only 32.9% of the total County population.

Of the 38 males newly diagnosed with HIV from 2011 through 2013, 63% indicated a transmission risk of men who have sex with men (MSM); 26% indicated transmission by heterosexual contact. Of the 27 females newly diagnosed during these three years, 96.3% indicated a transmission risk of heterosexual or presumed heterosexual contact. Twenty-four percent of all PLWHA (190 individuals) indicated transmission by injection drug use (IDU) or MSM/IDU.



### HIV/AIDS Incidence and Prevalence by Transmission Risk<sup>v</sup>

	HIV Diagnoses (2011-13 Annual Average)		Living HIV and AIDS Cases (December 2013)	
Transmission Risk Group – Males				
Total	12.7	100.0%	512	100.0%
MSM	8.0	63.0%	197	38.5%

	HIV Diagnoses (2011-13 Annual Average)		Living HIV and AIDS Cases (December 2013)	
IDU	0.3	2.4%	116	22.7%
MSM/IDU	0.0	0.0%	30	5.9%
Heterosexual	3.3	26.0%	104	20.3%
Blood Products	0.0	0.0%	3	0.6%
Pediatric Risk	0.0	0.0%	15	2.9%
Unknown	1.0	7.9%	47	9.2%
<b>Transmission Risk Group – Females</b>				
<b>Total</b>	9.0	100.0%	292	100.0%
IDU	0.3	3.7%	44	15.1%
Heterosexual Contact	8.0	88.9%	199	68.2%
Female Presumed Heterosexual Contact	0.7	7.4%	38	13.0%
Blood Products	0.0	0.0%	2	0.7%
Pediatric Risk	0.0	0.0%	9	3.1%
Unknown	0.0	0.0%	0	0.0%

## HIV/AIDS RISK FACTORS

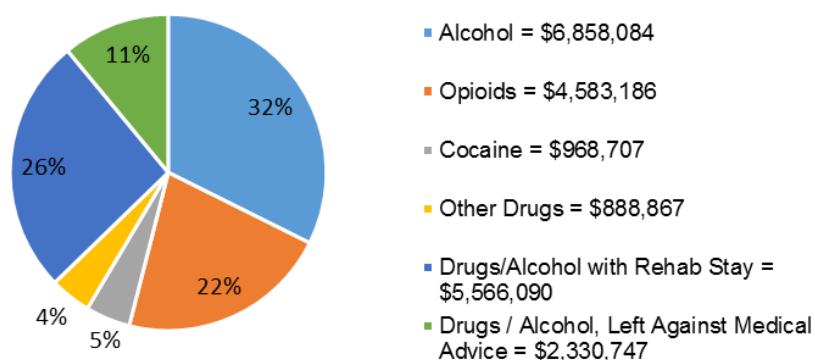
### Homelessness

- In January 2015, 495 people in Orange County were homeless, according to the Point in Time count for the Newburgh/Orange County Continuum of Care (CoC) region (CoC NY-602).<sup>vi</sup>
  - Of these, 350 homeless people were sheltered and 145 were unsheltered.
  - Thirty-eight percent - 187 individuals - were members of homeless families.
  - The number of homeless unaccompanied youth (under age 25) was 45.

### Substance Use

- Among adults, 15.5% of adults smoke cigarettes, similar to the New York State-wide rate of 15.9% of adults. The percentage of adults in Orange County who report binge drinking in the past month is 17.2%, similar to the statewide rate of 17.7%.<sup>vii</sup>
- In 2014, Drug/Alcohol-Related hospitalizations in Orange County had a total cost of over \$21.1 million for 1,033 patients admitted for 6,797 total days. The largest proportion of hospitalization costs was \$6.8 million for 272 patients admitted for “Alcohol Abuse and Dependency”; this is followed by \$5.6 million for 182 patients admitted for “Drug/Alcohol Dependency with Rehab Stay,” with an average length of stay of 16 days.<sup>viii</sup>

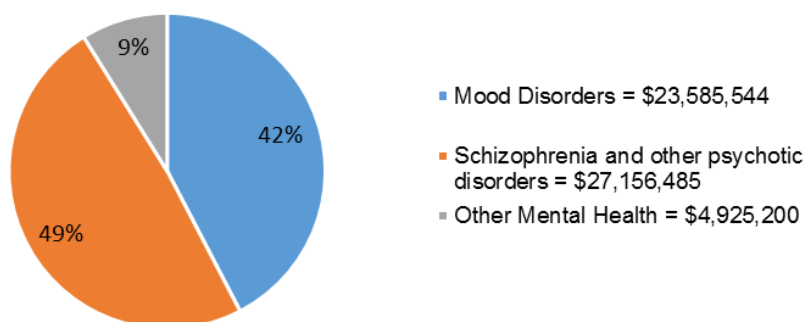
### 2014 Drug / Alcohol-Related Hospitalization Costs Total of \$21,195,680 and 1033 patients



### Mental Health

- In 2014, the age-adjusted percentage of adults who reported poor mental health for 14 or more days in the past month is 9.4% - similar to the statewide rate of 11.1%.<sup>ix</sup>
- Hospitalizations due to mood disorders and schizophrenia or other psychotic disorders accounted for 1,483 patients, 15,285 hospital days, and \$50.7 million in costs in 2014. In addition, 224 patients were admitted for an “other mental health disorder,” for a total 1,146 days and cost of \$4,925,200.<sup>x</sup>

### 2014 Mental Health-Related Hospitalization Costs Total of \$55,667,229 and 1707 patients



## REFERENCES

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- <sup>i</sup> U.S. Census Bureau, 2010-2014 American Community Survey 5-Year Estimates.
- <sup>ii</sup> U.S. Census Bureau, 2010-2014 American Community Survey 5-Year Estimates.
- <sup>iii</sup> New York State HIV/AIDS County Surveillance Report (Excludes State Prison Inmates) For Cases Diagnosed Through December 2013. Bureau of HIV/AIDS Epidemiology AIDS, AIDS Institute, New York State Department of Health, August 2015.
- <sup>iv</sup> New York State Department of Health, Statewide Planning and Research Cooperative System (SPARCS). APR Major Diagnostic Category (MDC) by APR Diagnosis Related Group (DRG) Report by County for 2014 Inpatient Data. APR DRG = HIV with Major Related Conditions (892) and HIV with Multiple Major Related Conditions (890).
- <sup>v</sup> New York State HIV/AIDS County Surveillance Report (Excludes State Prison Inmates) For Cases Diagnosed Through December 2013. Bureau of HIV/AIDS Epidemiology AIDS, AIDS Institute, New York State Department of Health, August 2015.
- <sup>vi</sup> U.S. Housing and Urban Development, Continuum of Care Homeless Assistance Program Homeless Population and Subpopulation Report, Point in Time (PIT) counts from January 2015. Published November 2015. Retrieved August 8, 2016 from <https://www.hudexchange.info/resources/documents/2007-2015-PIT-counts-by-CoC.xls>
- <sup>vii</sup> 2013-2014 NYS Expanded Behavioral Risk Factor Surveillance System (NYS Counties outside NYC); 2013 NYS Behavioral Risk Factor Surveillance System (NYC counties), data as of 2015. <https://www.health.ny.gov/statistics/chac/general/g110.htm>; <https://www.health.ny.gov/statistics/chac/general/g108.htm>.
- <sup>viii</sup> New York State Department of Health, Statewide Planning and Research Cooperative System (SPARCS). APR Major Diagnostic Category (MDC) by APR Diagnosis Related Group Report by County for 2014 Inpatient Data.
- <sup>ix</sup> 2013-2014 NYS Expanded Behavioral Risk Factor Surveillance System (NYS Counties outside NYC); 2013 NYS Behavioral Risk Factor Surveillance System (NYC counties), data as of 2015. <https://www.health.ny.gov/statistics/chac/general/g106.htm>
- <sup>x</sup> New York State Department of Health, Statewide Planning and Research Cooperative System (SPARCS). APR Major Diagnostic Category (MDC) by Clinical Classification (CCS) Diagnosis Category Report by County for 2014 Inpatient Data.



# Putnam County Community Profile

## DEMOGRAPHICS<sup>i</sup>

Putnam County's Total Population is **99,697**.

- Residents of Putnam County have a median age of 42.6, and 19.6% are 60 years or older.
- 81.7% of the population is White; 1.9% is Black, 12.3% Hispanic, 1.5% Multi-Race and 2.6% Other Races.
- 12.9% of residents are foreign-born. Of these, 41% (5,258) were born in Europe; 42.4% (5,437) were born in Latin America; 13.3% (1,705) in Asia.
- 81% of residents speak only English at home; 8.9% speak Spanish at home, and 7.8% speak other Indo-European languages.

## ECONOMIC INDICATORS<sup>ii</sup>

Indicator	Putnam County	NY Statewide Rate
Median Household Income	\$96,262	\$58,687
% living at less than 100% of Federal Poverty Level	5.6%	16.0%
Unemployment Rate	7.8%	8.9%
% receiving Medicaid / means-tested Public Coverage	8.3%	22.5%
% Uninsured	8.7%	10.6%

## HIV/AIDS IN PUTNAM COUNTY

**New HIV Infections:** Between 2011 and 2013, the average annual number of new HIV diagnoses in Putnam County was 4.7 per year. Annual HIV incidence is 4.7 per 100,000 residents. (New York State's overall incidence rate is 19.1 per 100,000 residents.)

**PLWHA:** As of December 31, 2013, there were 139 people living with HIV/AIDS in Putnam County. HIV prevalence rate is 139.5 per 100,000 residents. (New York State's overall prevalence rate is 666.9 per 100,000 residents.)

**Deaths:** Between 2011 and 2013, the average annual number of deaths among PLWHA was 2.0.

### HIV/AIDS Incidence, Prevalence, and Deaths<sup>iii</sup>

	# of New HIV Diagnoses	%	# of PLWHA	%	# Deaths among PLWHA	%
<b>Total</b>	4.7	100.0%	139	100.0%	2.0	100.0%
<b>Sex at Birth</b>						
Male	3.7	78.7%	96	69.1%	1.3	66.7%
Female	1.0	21.3%	43	30.9%	0.7	33.3%
<b>Age</b>						
12 and under	0.0	0.0%	0	0.0%	0.7	33.3%
13-19	0.0	0.0%	1	0.7%	0.0	0.0%
20-24	0.7	14.3%	2	1.4%	0.0	0.0%
25-29	0.0	0.0%	2	1.4%	0.0	0.0%
30-39	1.3	28.6%	17	12.2%	0.3	16.7%
40-49	1.3	28.6%	41	29.5%	0.7	33.3%
50-59	0.7	14.3%	50	36.0%	0.0	0.0%
60+	0.7	14.3%	26	18.7%	1.0	50.0%

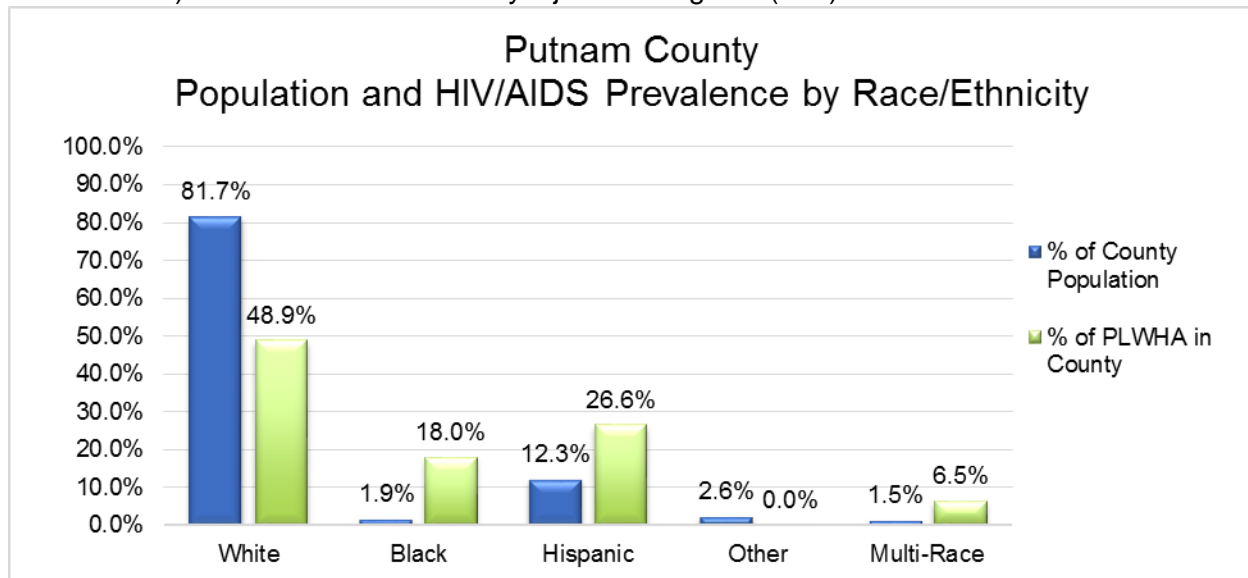
## HIV/AIDS Hospitalization Costs<sup>iv</sup>

In 2014, a total of \$117,028 in hospitalization costs were incurred by two patients admitted for “HIV with Multiple Major Related Conditions.”

## HIV/AIDS Disparities

In Putnam County, HIV and AIDS disproportionately impacts non-White individuals, especially those identifying as Black (not Hispanic), Multi-Race (not Hispanic), and Hispanic (of any race). Over 51% of PLWHA in the county are non-White, despite non-White residents representing only 18.3% of the total County population. Overall, 48.9% of PLWHA in the County are White (not Hispanic).

Of the 11 males newly diagnosed with HIV from 2011 through 2013, nine (82%) indicated a transmission risk of men who have sex with men (MSM); two (18%) indicated unknown transmission risk. Three females were newly diagnosed with HIV during these three years, and 100% had a transmission risk of presumed heterosexual contact. Twenty-two percent of all PLWHA in the County (31 individuals) indicated transmission by injection drug use (IDU) or MSM/IDU.



## HIV/AIDS Incidence and Prevalence by Transmission Risk<sup>v</sup>

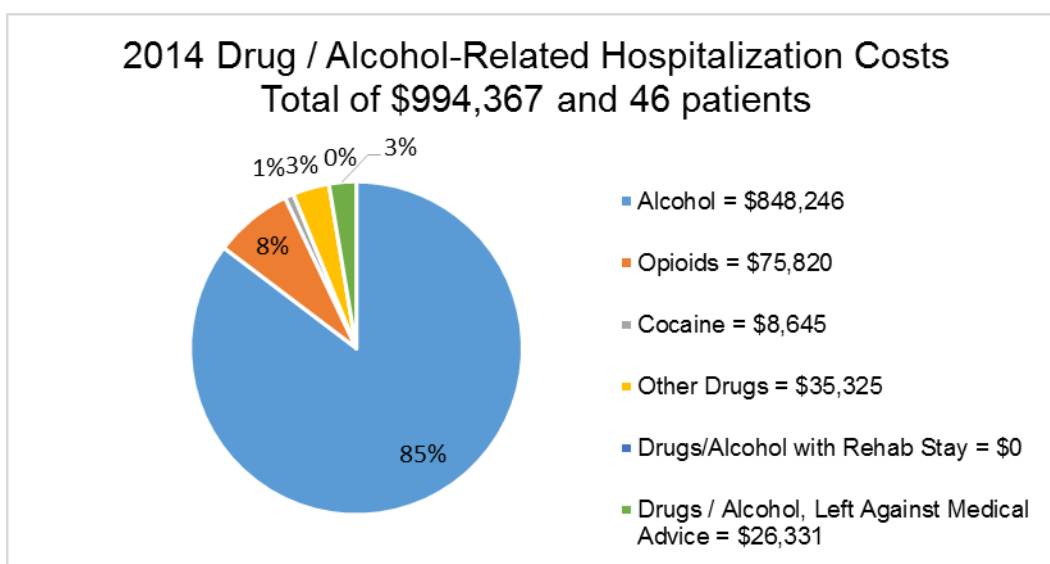
	HIV Diagnoses (2011-13 Annual Average)		Living HIV and AIDS Cases (December 2013)	
Transmission Risk Group – Males				
Total	3.7	100.0%	96	100.0%
MSM	3.0	81.8%	59	61.5%
IDU	0.0	0.0%	8	8.3%
MSM/IDU	0.0	0.0%	4	4.2%
Heterosexual	0.0	0.0%	14	14.6%
Blood Products	0.0	0.0%	0	0.0%
Pediatric Risk	0.0	0.0%	1	1.0%
Unknown	0.7	18.2%	10	10.4%
Transmission Risk Group – Females				
Total	1.0	100.0%	43	100.0%
IDU	0.0	0.0%	19	44.2%
Heterosexual Contact	0.0	0.0%	17	39.5%

	HIV Diagnoses (2011-13 Annual Average)		Living HIV and AIDS Cases (December 2013)	
Female Presumed Heterosexual Contact	1.0	100.0%	5	11.6%
Blood Products	0.0	0.0%	0	0.0%
Pediatric Risk	0.0	0.0%	2	4.7%
Unknown	0.0	0.0%	0	0.0%

## HIV/AIDS RISK FACTORS

### Substance Use

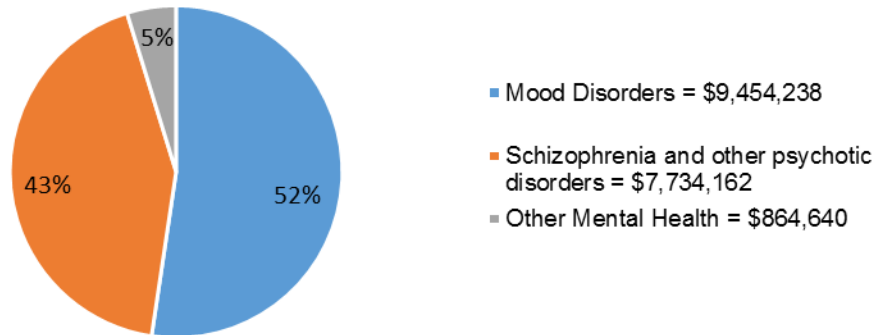
- Among adults, 15.5% of adults smoke cigarettes, similar to the New York State-wide rate of 15.9% of adults. The percentage of adults in Putnam County who report binge drinking in the past month is 19.7%, higher than the statewide rate of 17.7%.<sup>vi</sup>
- In 2014, Drug/Alcohol-Related hospitalizations in Putnam County had a total cost of \$994,367 for 46 patients admitted for 174 total days. The largest proportion of hospitalization costs was \$848,246 for 36 patients admitted for "Alcohol Abuse and Dependency."<sup>vii</sup>



### Mental Health

- In 2014, the age-adjusted percentage of adults who reported poor mental health for 14 or more days in the past month is 17.6% - higher than the statewide rate of 11.1%.<sup>viii</sup>
- Hospitalizations due to mood disorders (446 patients) and schizophrenia or other psychotic disorders (220 patients) accounted for a combined 4,554 hospital days and over \$17.1 million in costs in 2014. In addition, 49 patients were admitted for an "other mental health disorder," for a total 194 days and cost of \$864,640.<sup>ix</sup>

2014 Mental Health-Related Hospitalization Costs  
Total of \$18,053,040 and 715 patients



## REFERENCES

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- <sup>i</sup> U.S. Census Bureau, 2010-2014 American Community Survey 5-Year Estimates.
- <sup>ii</sup> U.S. Census Bureau, 2010-2014 American Community Survey 5-Year Estimates.
- <sup>iii</sup> New York State HIV/AIDS County Surveillance Report (Excludes State Prison Inmates) For Cases Diagnosed Through December 2013. Bureau of HIV/AIDS Epidemiology AIDS, AIDS Institute, New York State Department of Health, August 2015.
- <sup>iv</sup> New York State Department of Health, Statewide Planning and Research Cooperative System (SPARCS). APR Major Diagnostic Category (MDC) by APR Diagnosis Related Group (DRG) Report by County for 2014 Inpatient Data. APR DRG = HIV with Major Related Conditions (892) and HIV with Multiple Major Related Conditions (890).
- <sup>v</sup> New York State HIV/AIDS County Surveillance Report (Excludes State Prison Inmates) For Cases Diagnosed Through December 2013. Bureau of HIV/AIDS Epidemiology AIDS, AIDS Institute, New York State Department of Health, August 2015.
- <sup>vi</sup> 2013-2014 NYS Expanded Behavioral Risk Factor Surveillance System (NYS Counties outside NYC); 2013 NYS Behavioral Risk Factor Surveillance System (NYC counties), data as of 2015. <https://www.health.ny.gov/statistics/chac/general/g110.htm>; <https://www.health.ny.gov/statistics/chac/general/g108.htm>.
- <sup>vii</sup> New York State Department of Health, Statewide Planning and Research Cooperative System (SPARCS). APR Major Diagnostic Category (MDC) by APR Diagnosis Related Group Report by County for 2014 Inpatient Data.
- <sup>viii</sup> 2013-2014 NYS Expanded Behavioral Risk Factor Surveillance System (NYS Counties outside NYC); 2013 NYS Behavioral Risk Factor Surveillance System (NYC counties), data as of 2015. <https://www.health.ny.gov/statistics/chac/general/g106.htm>
- <sup>ix</sup> New York State Department of Health, Statewide Planning and Research Cooperative System (SPARCS). APR Major Diagnostic Category (MDC) by Clinical Classification (CCS) Diagnosis Category Report by County for 2014 Inpatient Data.

# Rockland County Community Profile

## DEMOGRAPHICS<sup>i</sup>

Rockland County's Total Population is **318,186**.

- Residents of Rockland County have a median age of 36.4, and 19.7% are 60 years or older.
- 64.2% of the population is White; 11.4% is Black, 16.4% Hispanic, 1.3% Multi-Race and 6.7% Other Races.
- 21.7% of residents are foreign-born; of all foreign-born residents, 20.1% (13,860) were born in Europe; 23.9% (16,452) were born in Asia (including 3,278 in the Philippines and 1,977 in China); and 52.5% (36,185) were born in Latin America (including 19,608 in the Caribbean; 10,077 in Central America, and 6,500 in South America).
- Only 62% of residents speak only English at home; 13% speak Spanish at home, 18.7 speak other Indo-European languages, and 4.2% speak an Asian or Pacific Islander language.

## ECONOMIC INDICATORS<sup>ii</sup>

Indicator	Rockland County	NY Statewide Rate
Median Household Income	\$85,808	\$58,687
% living at less than 100% of Federal Poverty Level	14.1%	16.0%
Unemployment Rate	8.1%	8.9%
% receiving Medicaid / means-tested Public Coverage	21.2%	22.5%
% Uninsured	9.5%	10.6%

## HIV/AIDS IN ROCKLAND COUNTY

New HIV Infections: Between 2011 and 2013, the average annual number of new HIV diagnoses in Rockland County was 25.3 per year. Annual HIV incidence is 7.9 per 100,000 residents. (New York State's overall incidence rate is 19.1 per 100,000 residents.)

PLWHA: As of December 31, 2013, there were 712 people living with HIV/AIDS in Rockland County. HIV prevalence rate is 221.9 per 100,000 residents. (New York State's overall prevalence rate is 666.9 per 100,000 residents.)

Deaths: Between 2011 and 2013, the average annual number of deaths among PLWHA was 11.

### HIV/AIDS Incidence, Prevalence, and Deaths<sup>iii</sup>

	# of New HIV Diagnoses	%	# of PLWHA	%	# Deaths among PLWHA	%
<b>Total</b>	25.3	100.0%	712	100.0%	11.0	100.0%
<b>Sex at Birth</b>						
Male	18.3	72.3%	456	64.0%	8.7	78.8%
Female	7.0	27.7%	256	36.0%	2.3	21.2%
<b>Age</b>						
12 and under	0.0	0.0%	3	0.4%	0.0	0.0%
13-19	1.0	3.9%	18	2.5%	0.0	0.0%
20-24	2.3	9.2%	14	2.0%	0.3	3.0%
25-29	4.0	15.8%	23	3.2%	0.0	0.0%
30-39	6.7	26.3%	83	11.7%	1.3	12.1%

40-49	6.0	23.7%	183	25.7%	1.7	15.2%
50-59	3.0	11.8%	249	35.0%	4.3	39.4%
60+	2.3	9.2%	139	19.5%	3.3	30.3%

### HIV/AIDS Hospitalization Costs<sup>iv</sup>

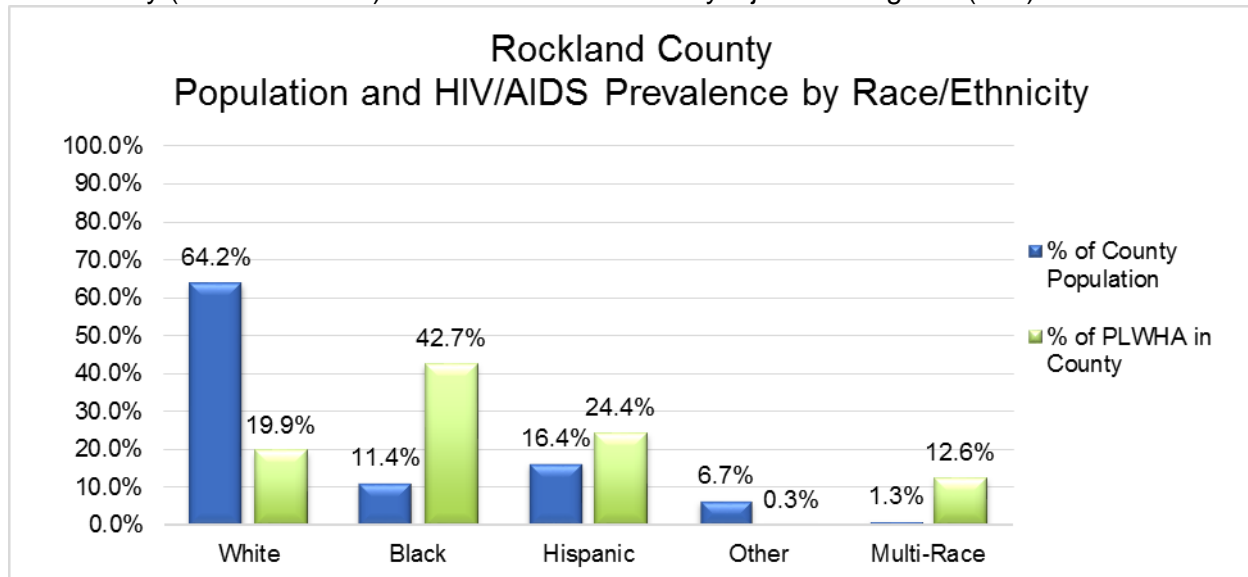
In 2014, a total of \$3,557,828 in costs were incurred by 42 patients admitted for “HIV with Major and Multiple Major Related Conditions.”

- 21 patients were treated for “HIV with Major Related Conditions,” accounting for \$1.5 million in hospitalization costs.
- 21 patients were treated for “HIV with Multiple Major Related Conditions,” at a total cost of \$2.1 million.

### HIV/AIDS Disparities

In Rockland County, HIV and AIDS disproportionately impacts non-White individuals, especially those identifying as Black (not Hispanic), Multi-Race (not Hispanic), and Hispanic (of any race). Eighty percent of PLWHA in the county are non-White, despite non-White residents representing only 36% of total County population.

Of the 55 males newly diagnosed with HIV from 2011 through 2013, 24 (43.6%) indicated a transmission risk of men who have sex with men (MSM), and 23 (41.8%) indicated heterosexual transmission. Of the 21 females newly diagnosed with HIV during these three years, 95% had a transmission risk of heterosexual or presumed heterosexual contact. Sixteen percent of all PLWHA in the County (117 individuals) indicated transmission by injection drug use (IDU) or MSM/IDU.



### HIV/AIDS Incidence and Prevalence by Transmission Risk<sup>v</sup>

	HIV Diagnoses (2011-13 Annual Average)		Living HIV and AIDS Cases (December 2013)	
Transmission Risk Group – Males				
Total	18.3	100.0%	456	100.0%
MSM	8.0	43.6%	158	34.6%
IDU	0.7	3.6%	58	12.7%
MSM/IDU	0.7	3.6%	26	5.7%
Heterosexual	7.7	41.8%	116	25.4%

	HIV Diagnoses (2011-13 Annual Average)		Living HIV and AIDS Cases (December 2013)	
Blood Products	0.0	0.0%	1	0.2%
Pediatric Risk	0.0	0.0%	15	3.3%
Unknown	1.3	7.3%	82	18.0%
<b>Transmission Risk Group – Females</b>				
<b>Total</b>	7.0	100.0%	256	100.0%
IDU	0.3	4.8%	33	12.9%
Heterosexual Contact	6.0	85.7%	176	68.8%
Female Presumed Heterosexual Contact	0.7	9.5%	31	12.1%
Blood Products	0.0	0.0%	1	0.4%
Pediatric Risk	0.0	0.0%	15	5.9%
Unknown	0.0	0.0%	0	0.0%

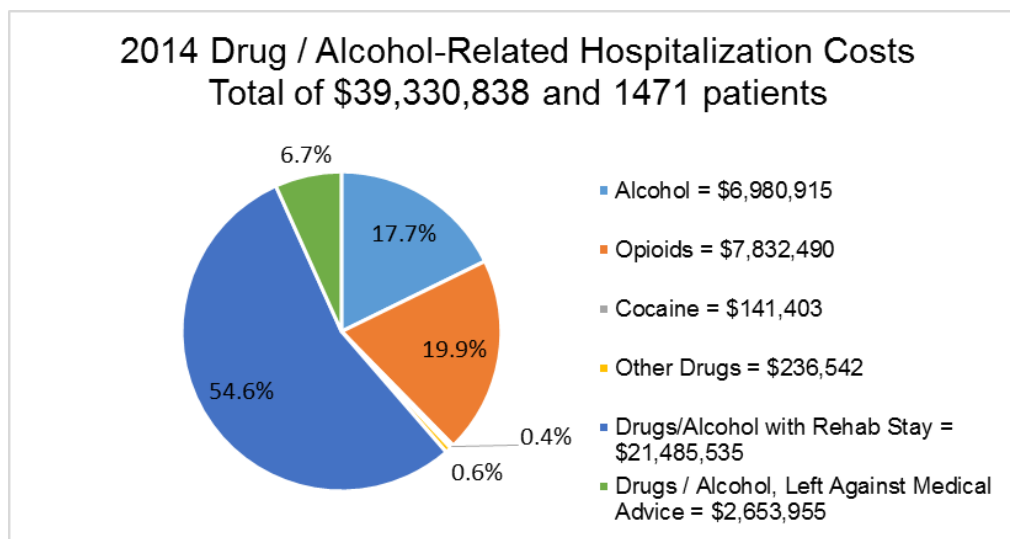
## HIV/AIDS RISK FACTORS

### Homelessness

- In January 2015, 117 people in Rockland County were homeless, according to the Point in Time count for the Rockland County Continuum of Care (CoC) region (CoC NY-606).<sup>vi</sup>
  - Of these, 92 homeless people were sheltered and 25 were unsheltered.
  - Twenty-four percent - 28 individuals - were members of homeless families.
  - The number of homeless unaccompanied youth (under age 25) was 14.

### Substance Use

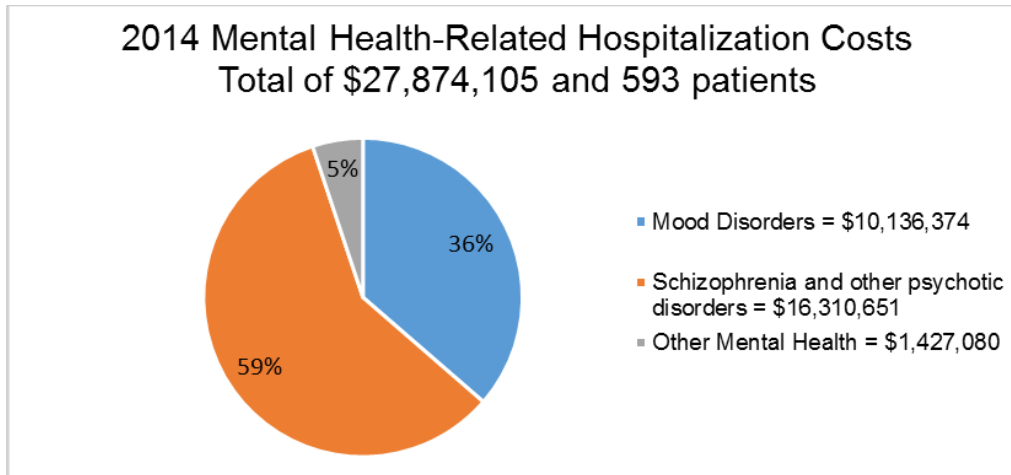
- Among adults, 10.4% of adults smoke cigarettes, significantly lower than the New York State-wide rate of 15.9% of adults. The percentage of adults in Rockland County who report binge drinking in the past month is 13.1%, lower than the statewide rate of 17.7%.<sup>vii</sup>
- In 2014, Drug/Alcohol-Related hospitalizations in Rockland County had a total cost of over \$39.3 million for 1,471 patients admitted for 11,479 total days. The largest proportion of hospitalization costs was \$21.4 million for 406 patients admitted for “Drug/Alcohol Dependence with Rehab Stay” with an average length of stay of 18 days. “Alcohol Abuse and Dependency” incurred almost \$7 million in costs for 332 patients and 1,521 days; “Opioid Abuse and Dependence” incurred \$7.8 million in costs for 497 patients and 2,002 days.<sup>viii</sup>





## Mental Health

- In 2014, the age-adjusted percentage of adults who reported poor mental health for 14 or more days in the past month is 7.2% - lower than the statewide rate of 11.1%.<sup>ix</sup>
- Hospitalizations due to mood disorders (307 patients) and schizophrenia or other psychotic disorders (240 patients) accounted for a combined 6,367 hospital days and over \$26.4 million in costs in 2014. In addition, 46 patients were admitted for an “other mental health disorder,” for a total 304 days and cost of \$1,427,080.<sup>x</sup>



## REFERENCES

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- <sup>i</sup> U.S. Census Bureau, 2010-2014 American Community Survey 5-Year Estimates.
- <sup>ii</sup> U.S. Census Bureau, 2010-2014 American Community Survey 5-Year Estimates.
- <sup>iii</sup> New York State HIV/AIDS County Surveillance Report (Excludes State Prison Inmates) For Cases Diagnosed Through December 2013. Bureau of HIV/AIDS Epidemiology AIDS, AIDS Institute, New York State Department of Health, August 2015.
- <sup>iv</sup> New York State Department of Health, Statewide Planning and Research Cooperative System (SPARCS). APR Major Diagnostic Category (MDC) by APR Diagnosis Related Group (DRG) Report by County for 2014 Inpatient Data. APR DRG = HIV with Major Related Conditions (892) and HIV with Multiple Major Related Conditions (890).
- <sup>v</sup> New York State HIV/AIDS County Surveillance Report (Excludes State Prison Inmates) For Cases Diagnosed Through December 2013. Bureau of HIV/AIDS Epidemiology AIDS, AIDS Institute, New York State Department of Health, August 2015.
- <sup>vi</sup> U.S. Housing and Urban Development, Continuum of Care Homeless Assistance Program Homeless Population and Subpopulation Report, Point in Time (PIT) counts from January 2015. Published November 2015. Retrieved August 8, 2016 from <https://www.hudexchange.info/resources/documents/2007-2015-PIT-counts-by-CoC.xls>
- <sup>vii</sup> 2013-2014 NYS Expanded Behavioral Risk Factor Surveillance System (NYS Counties outside NYC); 2013 NYS Behavioral Risk Factor Surveillance System (NYC counties), data as of 2015. <https://www.health.ny.gov/statistics/chac/general/g110.htm>; <https://www.health.ny.gov/statistics/chac/general/g108.htm>.
- <sup>viii</sup> New York State Department of Health, Statewide Planning and Research Cooperative System (SPARCS). APR Major Diagnostic Category (MDC) by APR Diagnosis Related Group Report by County for 2014 Inpatient Data.
- <sup>ix</sup> 2013-2014 NYS Expanded Behavioral Risk Factor Surveillance System (NYS Counties outside NYC); 2013 NYS Behavioral Risk Factor Surveillance System (NYC counties), data as of 2015. <https://www.health.ny.gov/statistics/chac/general/g106.htm>
- <sup>x</sup> New York State Department of Health, Statewide Planning and Research Cooperative System (SPARCS). APR Major Diagnostic Category (MDC) by Clinical Classification (CCS) Diagnosis Category Report by County for 2014 Inpatient Data.

# Sullivan County Community Profile

## DEMOGRAPHICS<sup>i</sup>

Sullivan County's Total Population is **76,892**.

- Residents of Sullivan County have a median age of 41.8 and 22.7% are age 60 or older.
- 73.9% of the population is White; 7.8% is Black, 14.3% Hispanic, 2.2% Multi-Race and 1.8% Other Races.
- 9.9% of residents are foreign-born. Of these foreign-born residents, 45.6% (3,458) were born in Latin America, 36.7% (2,782) were born in Europe, and 13.4% (1,014) were born in Asia.
- 85% of residents speak only English at home; 9.2% speak Spanish at home, 5.1% speak other Indo-European languages, and 0.7% speak an Asian or Pacific Islander language.

## ECONOMIC INDICATORS<sup>ii</sup>

Indicator	Sullivan County	NY Statewide Rate
Median Household Income	\$49,388	\$58,687
% living at less than 100% of Federal Poverty Level	18.0%	16.0%
Unemployment Rate	12.7%	8.9%
% receiving Medicaid / means-tested Public Coverage	25.3%	22.5%
% Uninsured	12.8%	10.6%

## HIV/AIDS IN SULLIVAN COUNTY

New HIV Infections: Between 2011 and 2013, the average annual number of new HIV diagnoses in Sullivan County was 5.3 per year. Annual HIV incidence is 7.0 per 100,000 residents. (New York State's overall incidence rate is 19.1 per 100,000 residents.)

PLWHA: As of December 31, 2013, there were 268 people living with HIV/AIDS (PLWHA) in Sullivan County. HIV prevalence rate is 349.6 per 100,000 residents. (New York State's overall prevalence rate is 666.9 per 100,000 residents.)

Deaths: Between 2011 and 2013, an annual average of 7.0 deaths occurred among PLWHA.

### HIV/AIDS Incidence, Prevalence, and Deaths<sup>iii</sup>

	# of New HIV Diagnoses	%	# of PLWHA	%	# Deaths among PLWHA	%
<b>Total</b>	5.3	100.0%	268	100.0%	7.0	100.0%
<b>Sex at Birth</b>						
Male	3.0	56.3%	157	58.6%	3.3	47.6%
Female	2.3	43.8%	111	41.4%	3.7	52.4%
<b>Age</b>						
12 and under	0.0	0.0%	1	0.4%	0.0	0.0%
13-19	0.0	0.0%	2	0.7%	0.0	0.0%
20-24	1.0	18.8%	7	2.6%	0.0	0.0%
25-29	1.0	18.8%	12	4.5%	0.3	4.8%
30-39	0.3	6.3%	25	9.3%	0.0	0.0%
40-49	1.3	25.0%	64	23.9%	1.7	23.8%
50-59	1.0	18.8%	87	32.5%	2.3	33.3%
60+	0.7	12.5%	70	26.1%	2.7	38.1%

## HIV/AIDS Hospitalization Costs<sup>iv</sup>

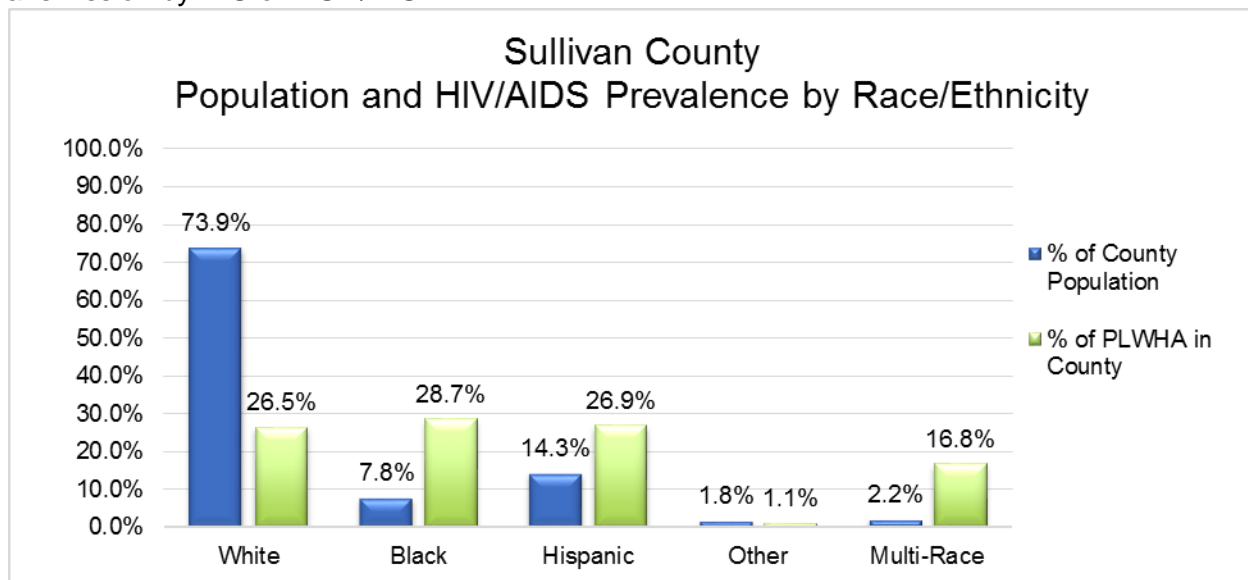
In 2014, a total of \$139,314 in costs were incurred by four patients admitted for “HIV with Major and Multiple Major Related Conditions.”

- Two patients were treated for “HIV with Major Related Conditions,” accounting for \$37,972 in hospitalization costs.
- Two patients were treated for “HIV with Multiple Major Related Conditions,” at a cost of \$101,343.

## HIV/AIDS Disparities

In Sullivan County, HIV and AIDS disproportionately impacts non-White individuals, especially those identifying as Black (not Hispanic), Multi-Race (not Hispanic), and Hispanic (of any race). Over 73% of PLWHA in the county are non-White, despite non-White residents representing only 26.1% of total county population.

Of the nine males newly diagnosed with HIV during the three years between 2011 and 2013, 33.3% identified their transmission risk as men who have sex with men (MSM) and 33.3% indicated their transmission as injection drug use (IDU). Of the seven females newly diagnosed during these three years, 71.4% indicated a transmission risk of heterosexual or presumed heterosexual contact, and two females indicated IDU. Of all PLWHA in the county, 36.5% (98 individuals) indicated transmission by IDU or MSM/IDU.



## HIV/AIDS Incidence and Prevalence by Transmission Risk<sup>v</sup>

	HIV Diagnoses (2011-13 Annual Average)		Living HIV and AIDS Cases (December 2013)	
Transmission Risk Group – Males				
Total	3.0	100.0%	157	100.0%
MSM	1.0	33.3%	58	36.9%
IDU	1.0	33.3%	55	35.0%
MSM/IDU	0.0	0.0%	15	9.6%
Heterosexual	0.3	10.0%	14	8.9%
Blood Products	0.0	0.0%	0	0.0%
Pediatric Risk	0.0	0.0%	0	0.0%

	HIV Diagnoses (2011-13 Annual Average)		Living HIV and AIDS Cases (December 2013)	
Unknown	0.7	23.3%	15	9.6%
<b>Transmission Risk Group – Females</b>				
<b>Total</b>	2.3	100.0%	111	100.0%
IDU	0.7	28.6%	28	25.2%
Heterosexual Contact	1.3	57.1%	61	55.0%
Female Presumed Heterosexual Contact	0.3	14.3%	15	13.5%
Blood Products	0.0	0.0%	1	0.9%
Pediatric Risk	0.0	0.0%	6	5.4%
Unknown	0.0	0.0%	0	0.0%

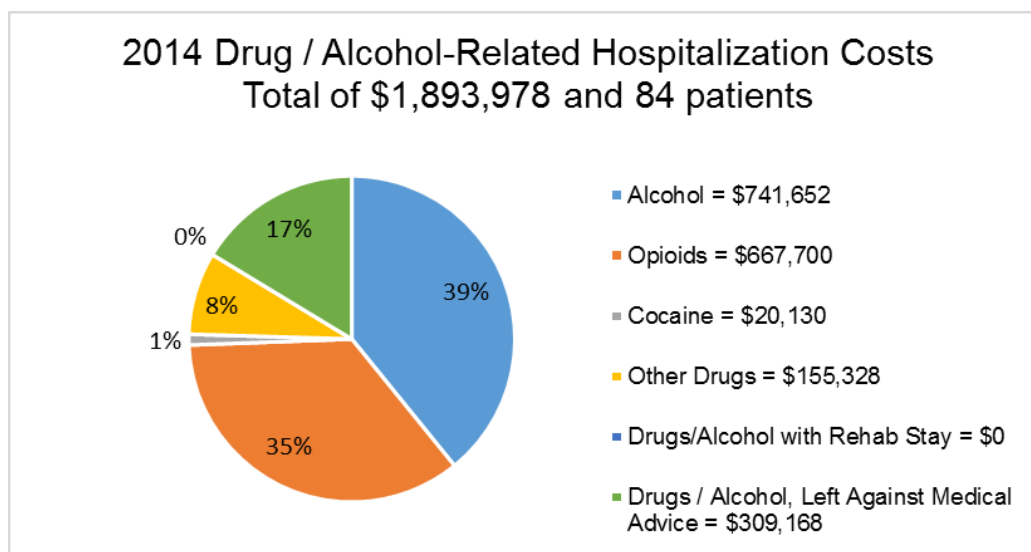
## HIV/AIDS RISK FACTORS

### Homelessness

- In January 2015, 130 people in Sullivan County were homeless, according to the Point in Time count for the Sullivan County Continuum of Care (CoC) region (CoC NY-607).<sup>vi</sup>
  - Of these, 128 homeless people were sheltered and 2 were unsheltered.
  - Twenty-seven percent - 35 individuals - were members of homeless families.
  - The number of homeless unaccompanied youth (under age 25) was 17.

### Substance Use

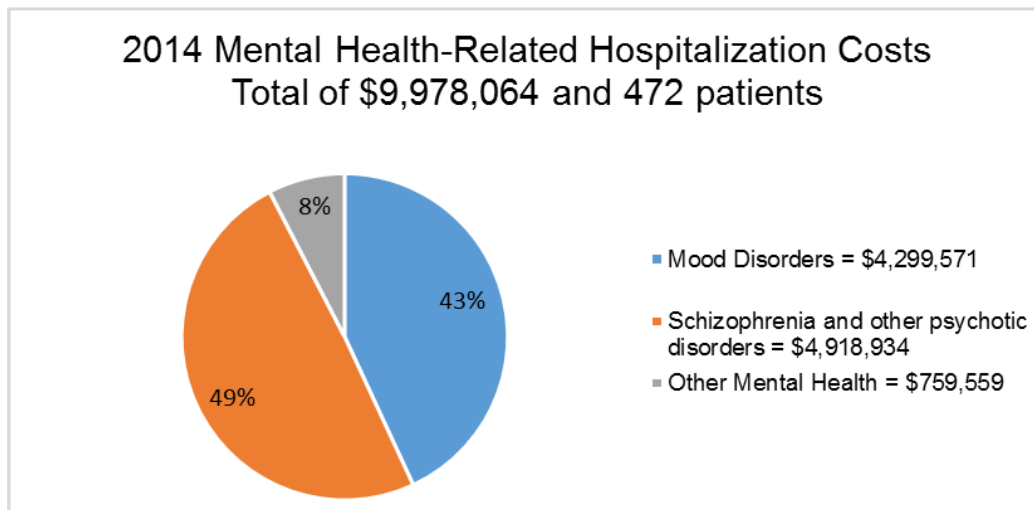
- County-wide, 24.8% of adults smoke cigarettes, significantly higher than the New York State-wide rate of 15.9% of adults. The percentage of adults in Sullivan County who report binge drinking in the past month is 13.7%, lower than the statewide rate of 17.7%.<sup>vii</sup>
- In 2014, Drug/Alcohol-Related hospitalizations in Sullivan County had a total cost of almost \$1.9 million for 84 patients admitted for 481 total days. The largest proportion of hospitalization costs was \$741,652 for 37 patients admitted for “Alcohol Abuse and Dependency” for 164 total days. “Opioid Abuse and Dependence” incurred \$667,700 in costs for 31 patients and 190 days.<sup>viii</sup>



### Mental Health

- In 2014, the age-adjusted percentage of adults who reported poor mental health for 14 or more days in the past month is 10.0% – lower than the statewide rate of 11.1%.<sup>ix</sup>

- Hospitalizations due to mood disorders (247 patients) and schizophrenia or other psychotic disorders (164 patients) accounted for a combined 5,223 days and \$9.2 million in costs in 2014. In addition, 61 patients were admitted for an “other mental health disorder,” for a total 301 days and costs of \$759,559.<sup>x</sup>



## REFERENCES

<sup>i</sup> U.S. Census Bureau, 2010-2014 American Community Survey 5-Year Estimates.

<sup>ii</sup> U.S. Census Bureau, 2010-2014 American Community Survey 5-Year Estimates.

<sup>iii</sup> New York State HIV/AIDS County Surveillance Report (Excludes State Prison Inmates) For Cases Diagnosed Through December 2013. Bureau of HIV/AIDS Epidemiology AIDS, AIDS Institute, New York State Department of Health, August 2015.

<sup>iv</sup> New York State Department of Health, Statewide Planning and Research Cooperative System (SPARCS). APR Major Diagnostic Category (MDC) by APR Diagnosis Related Group (DRG) Report by County for 2014 Inpatient Data. APR DRG = HIV with Major Related Conditions (892) and HIV with Multiple Major Related Conditions (890).

<sup>v</sup> New York State HIV/AIDS County Surveillance Report (Excludes State Prison Inmates) For Cases Diagnosed Through December 2013. Bureau of HIV/AIDS Epidemiology AIDS, AIDS Institute, New York State Department of Health, August 2015.

<sup>vi</sup> U.S. Housing and Urban Development, Continuum of Care Homeless Assistance Program Homeless Population and Subpopulation Report, Point in Time (PIT) counts from January 2015. Published November 2015. Retrieved August 8, 2016 from <https://www.hudexchange.info/resources/documents/2007-2015-PIT-counts-by-CoC.xls>

<sup>vii</sup> 2013-2014 NYS Expanded Behavioral Risk Factor Surveillance System (NYS Counties outside NYC); 2013 NYS Behavioral Risk Factor Surveillance System (NYC counties), data as of 2015. <https://www.health.ny.gov/statistics/chac/general/q110.htm>; <https://www.health.ny.gov/statistics/chac/general/q108.htm>.

<sup>viii</sup> New York State Department of Health, Statewide Planning and Research Cooperative System (SPARCS). APR Major Diagnostic Category (MDC) by APR Diagnosis Related Group Report by County for 2014 Inpatient Data.

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<sup>ix</sup> 2013-2014 NYS Expanded Behavioral Risk Factor Surveillance System (NYS Counties outside NYC); 2013 NYS Behavioral Risk Factor Surveillance System (NYC counties), data as of 2015.  
<https://www.health.ny.gov/statistics/chac/general/g106.htm>

<sup>x</sup> New York State Department of Health, Statewide Planning and Research Cooperative System (SPARCS). APR Major Diagnostic Category (MDC) by Clinical Classification (CCS) Diagnosis Category Report by County for 2014 Inpatient Data.

# Ulster County Community Profile

## DEMOGRAPHICS<sup>i</sup>

Ulster County's Total Population is **181,598**. The largest city is Kingston, population 23,731.

- Residents of Ulster County have a median age of 42.9, and 23.4% are age 60 or older.
- 80.8% of the population is White; 5.1% is Black, 9.3% Hispanic, 2.6% Multi-Race and 2.2% Other Races.
- 7.4% of residents are foreign-born. Of these foreign-born residents, 38.5% (5,165) were born in Latin America, 31.9% (4,276) were born in Europe, and 22.0% (2,955) were born in Asia.
- 88% of residents speak only English at home; 6.2% speak Spanish at home, 4.4% speak other Indo-European languages, and 1.1% speak an Asian or Pacific Islander language.

## ECONOMIC INDICATORS<sup>ii</sup>

Indicator	Ulster County	NY Statewide Rate
Median Household Income	\$58,592	\$58,687
% living at less than 100% of Federal Poverty Level	12.3%	16.0%
Unemployment Rate	10.2%	8.9%
% receiving Medicaid / means-tested Public Coverage	17.2%	22.5%
% Uninsured	10.3%	10.6%

## HIV/AIDS IN ULSTER COUNTY

New HIV Infections: Between 2011 and 2013, the average annual number of new HIV diagnoses in Ulster County was 10.3 per year. Annual HIV incidence is 5.7 per 100,000 residents. (New York State's overall incidence rate is 19.1 per 100,000 residents.)

PLWHA: As of December 31, 2013, there were 398 people living with HIV/AIDS (PLWHA) in Ulster County. HIV prevalence rate is 219.9 per 100,000 residents. (New York State's overall prevalence rate is 666.9 per 100,000 residents.)

Deaths: Between 2011 and 2013, an annual average of 7.3 deaths occurred among PLWHA.

### HIV/AIDS Incidence, Prevalence, and Deaths<sup>iii</sup>

	# of New HIV Diagnoses	%	# of PLWHA	%	# Deaths among PLWHA	%
<b>Total</b>	10.3	100.0%	398	100.0%	7.3	100.0%
<b>Sex at Birth</b>						
Male	8.7	84.5%	251	63.1%	5.0	68.5%
Female	1.7	16.5%	147	36.9%	2.3	31.5%
<b>Age</b>						
12 and under	0.3	3.2%	0	0.0%	0.0	0.0%
13-19	0.7	6.5%	2	0.5%	0.0	0.0%
20-24	1.3	12.9%	8	2.0%	0.0	0.0%
25-29	1.3	12.9%	16	4.0%	0.0	0.0%
30-39	0.3	3.2%	33	8.3%	0.0	0.0%
40-49	4.3	41.9%	117	29.4%	1.0	13.6%
50-59	1.3	12.9%	148	37.2%	3.7	50.0%
60+	0.7	6.5%	74	18.6%	2.7	36.4%



## HIV/AIDS Hospitalization Costs<sup>iv</sup>

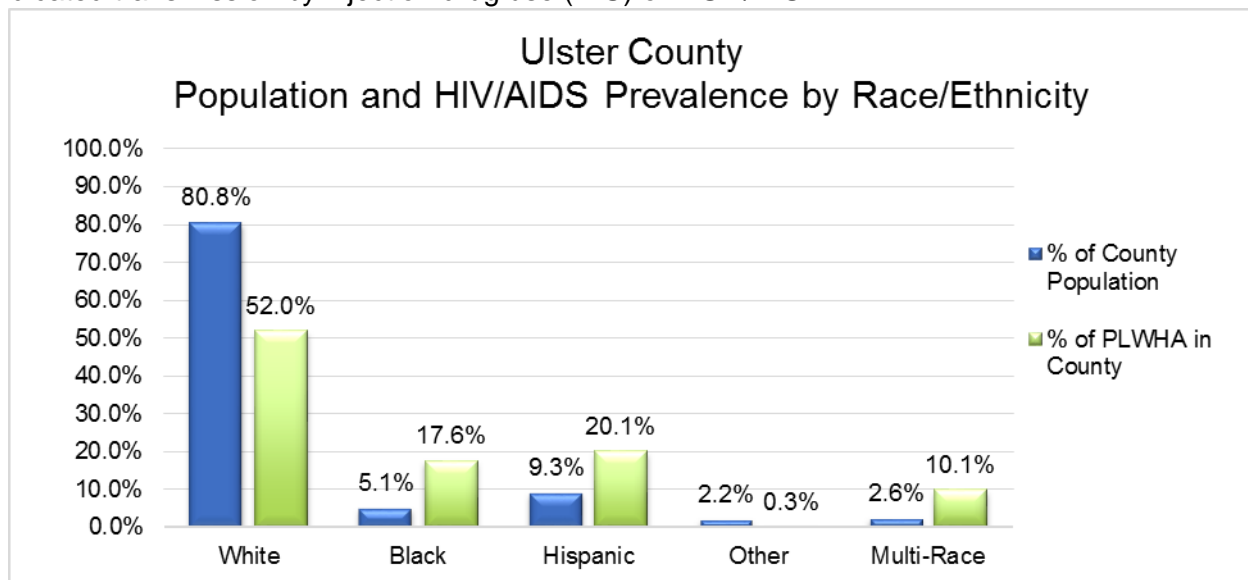
In 2014, a total of \$220,933 costs were incurred by three patients admitted for “HIV with Major and Multiple Major Related Conditions.”

- One patient was treated for “HIV with Major Related Conditions,” accounting for \$97,730 in hospitalization costs.
- Two patients were treated for “HIV with Multiple Major Related Conditions,” at a cost of \$123,204.

## HIV/AIDS Disparities

In Ulster County, HIV and AIDS disproportionately impacts non-White individuals, especially those identifying as Black (not Hispanic), Multi-Race (not Hispanic), and Hispanic (of any race). Over 48% of PLWHA in the county are non-White, despite non-White residents representing only 19.2% of total county population. Overall, the majority of PLWHA (52%) are White (not Hispanic).

Of the 26 males newly diagnosed with HIV during the three years between 2011 and 2013, 61.5% identified their transmission risk as men who have sex with men (MSM), two indicated the transmission as injection drug use (IDU), and two indicated the transmission as heterosexual. Of the five females newly diagnosed during these three years, 80% indicated a transmission risk of heterosexual or presumed heterosexual contact. Of all PLWHA in the county, 33.9% (135 individuals) indicated transmission by injection drug use (IDU) or MSM/IDU.



## HIV/AIDS Incidence and Prevalence by Transmission Risk<sup>v</sup>

	HIV Diagnoses (2011-13 Annual Average)		Living HIV and AIDS Cases (December 2013)	
Transmission Risk Group – Males				
Total	8.7	100.0%	251	100.0%
MSM	5.3	61.5%	111	44.2%
IDU	0.7	7.7%	58	23.1%
MSM/IDU	0.3	3.8%	23	9.2%
Heterosexual	0.7	7.7%	26	10.4%
Blood Products	0.0	0.0%	0	0.0%
Pediatric Risk	0.3	3.8%	3	1.2%

	HIV Diagnoses (2011-13 Annual Average)		Living HIV and AIDS Cases (December 2013)	
Unknown	1.3	15.4%	30	12.0%
<b>Transmission Risk Group – Females</b>				
<b>Total</b>	1.7	100.0%	147	100.0%
IDU	0.3	20.0%	34	23.1%
Heterosexual Contact	0.3	20.0%	84	57.1%
Female Presumed Heterosexual Contact	1.0	60.0%	24	16.3%
Blood Products	0.0	0.0%	0	0.0%
Pediatric Risk	0.0	0.0%	5	3.4%
Unknown	0.0	0.0%	0	0.0%

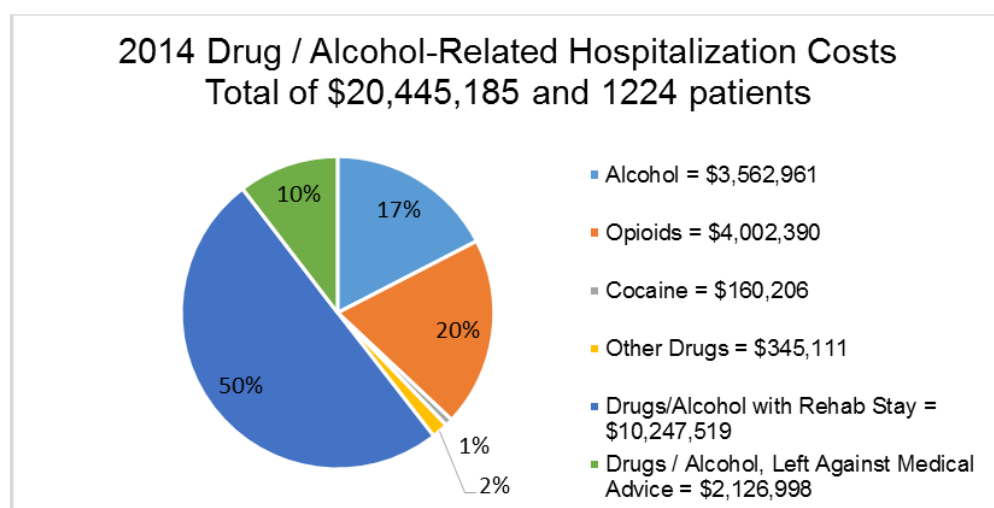
## HIV/AIDS RISK FACTORS

### Homelessness

- In January 2015, 343 people in Ulster County were homeless, according to the Point in Time count for the Kingston/Ulster County Continuum of Care (CoC) region (CoC NY-608).<sup>vi</sup>
  - Of these, 277 homeless people were sheltered and 66 were unsheltered.
  - Forty-one percent - 139 individuals - were members of homeless families.
  - The number of homeless unaccompanied youth (under age 25) was 39.

### Substance Use

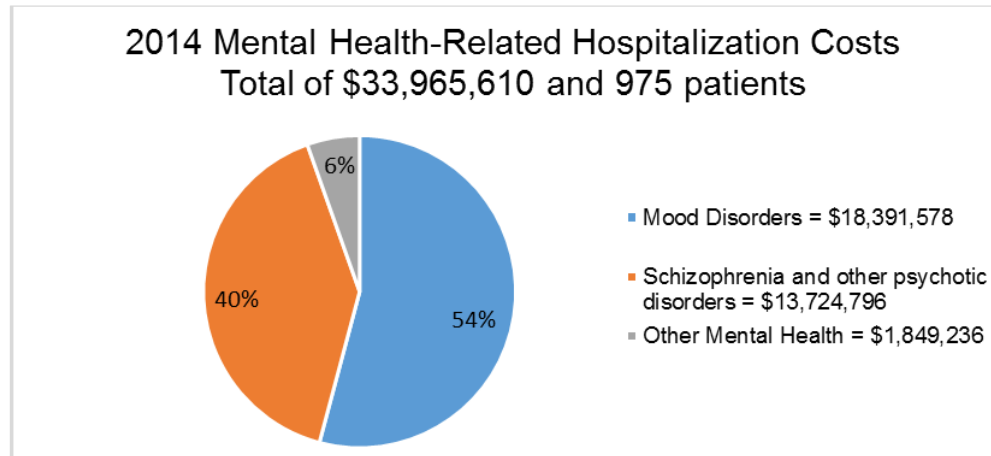
- County-wide, 22.0% of adults smoke cigarettes, higher than the New York State-wide rate of 15.9% of adults. The percentage of adults in Ulster County who report binge drinking in the past month is 10.5%, lower than the statewide rate of 17.7%.<sup>vii</sup>
- In 2014, Drug/Alcohol-Related hospitalizations in Ulster County had a total cost of over \$20.4 million for 1,224 patients admitted for 6,639 total days. The largest proportion of hospitalization costs was \$10.2 million for 202 patients admitted for “Drug/Alcohol Dependence with Rehab Stay” with an average length of stay of 17 days each. “Alcohol Abuse and Dependency” incurred \$3.5 million in costs for 363 patients and 1,050 days; “Opioid Abuse & Dependence” incurred \$4 million in costs for 408 patients and 1,280 days.<sup>viii</sup>



### Mental Health

- In 2014, the age-adjusted percentage of adults who reported poor mental health for 14 or more days in the past month is 16.8% – higher than the statewide rate of 11.1%.<sup>ix</sup>

- Hospitalizations due to mental health issues had a total cost of over \$33.9 million for 975 patients admitted for 10,563 days in 2014. Mood disorders (649 patients) accounted for 5,846 hospital days and almost \$18.4 million in costs. Schizophrenia or other psychotic disorders (248 patients) accounted for 4,229 hospital days and \$13.7 million. In addition, 78 patients were admitted for “other mental health disorder” for a total 488 days and cost of \$1.8 million.<sup>x</sup>



## REFERENCES

<sup>i</sup> U.S. Census Bureau, 2010-2014 American Community Survey 5-Year Estimates.

<sup>ii</sup> U.S. Census Bureau, 2010-2014 American Community Survey 5-Year Estimates.

<sup>iii</sup> New York State HIV/AIDS County Surveillance Report (Excludes State Prison Inmates) For Cases Diagnosed Through December 2013. Bureau of HIV/AIDS Epidemiology AIDS, AIDS Institute, New York State Department of Health, August 2015.

<sup>iv</sup> New York State Department of Health, Statewide Planning and Research Cooperative System (SPARCS). APR Major Diagnostic Category (MDC) by APR Diagnosis Related Group (DRG) Report by County for 2014 Inpatient Data. APR DRG = HIV with Major Related Conditions (892) and HIV with Multiple Major Related Conditions (890).

<sup>v</sup> New York State HIV/AIDS County Surveillance Report (Excludes State Prison Inmates) For Cases Diagnosed Through December 2013. Bureau of HIV/AIDS Epidemiology AIDS, AIDS Institute, New York State Department of Health, August 2015.

<sup>vi</sup> U.S. Housing and Urban Development, Continuum of Care Homeless Assistance Program Homeless Population and Subpopulation Report, Point in Time (PIT) counts from January 2015. Published November 2015. Retrieved August 8, 2016 from

<https://www.hudexchange.info/resources/documents/2007-2015-PIT-counts-by-CoC.xls>

<sup>vii</sup> 2013-2014 NYS Expanded Behavioral Risk Factor Surveillance System (NYS Counties outside NYC); 2013 NYS Behavioral Risk Factor Surveillance System (NYC counties), data as of 2015.

<https://www.health.ny.gov/statistics/chac/general/g110.htm>;

<https://www.health.ny.gov/statistics/chac/general/g108.htm>.

<sup>viii</sup> New York State Department of Health, Statewide Planning and Research Cooperative System (SPARCS). APR Major Diagnostic Category (MDC) by APR Diagnosis Related Group Report by County for 2014 Inpatient Data.

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<sup>ix</sup> 2013-2014 NYS Expanded Behavioral Risk Factor Surveillance System (NYS Counties outside NYC); 2013 NYS Behavioral Risk Factor Surveillance System (NYC counties), data as of 2015.  
<https://www.health.ny.gov/statistics/chac/general/g106.htm>

<sup>x</sup> New York State Department of Health, Statewide Planning and Research Cooperative System (SPARCS). APR Major Diagnostic Category (MDC) by Clinical Classification (CCS) Diagnosis Category Report by County for 2014 Inpatient Data.

# Westchester County Community Profile

## DEMOGRAPHICS<sup>i</sup>

Westchester County's Total Population is **962,319**.

- Residents of Westchester County have a median age of 40.3, and 20.8% are age 60 or older.
- 56.1% of the population is White; 13.3% is Black, 22.8% Hispanic, 1.8% Multi-Race and 6.0% Other Races.
- 25.2% of residents are foreign-born; of all foreign-born residents, 21.0% (50,842) were born in Europe; 18.2% (44,016) were born in Asia (including 11,007 in India); and 56.3% (136,337) were born in Latin America (including 47,136 in Caribbean, 42,470 in Central America, and 46,731 in South America).
- Only 67% of residents speak only English at home; 19.3% speak Spanish at home, 8.9% speak other Indo-European languages, and 3.3% speak Asian or Pacific Islander languages.

## ECONOMIC INDICATORS<sup>ii</sup>

Indicator	Westchester County	NY Statewide Rate
Median Household Income	\$83,422	\$58,687
% living at less than 100% of Federal Poverty Level	9.6%	16.0%
Unemployment Rate	8.1%	8.9%
% receiving Medicaid / means-tested Public Coverage	13.5%	22.5%
% Uninsured	10.5%	10.6%

## HIV/AIDS IN WESTCHESTER COUNTY

**New HIV Infections:** Between 2011 and 2013, the average annual number of new HIV diagnoses in Westchester County was 111.3 per year. Annual HIV incidence is 11.5 per 100,000 residents. (New York State's overall incidence rate is 19.1 per 100,000 residents.)

**PLWHA:** As of December 31, 2013, there were 3,331 people living with HIV/AIDS (PLWHA) in Westchester County. HIV prevalence rate is 343.8 per 100,000 residents. (New York State's overall prevalence rate is 666.9 per 100,000 residents.)

**Deaths:** Between 2011 and 2013, an annual average of 50 deaths per year occurred among PLWHA.

### HIV/AIDS Incidence, Prevalence, and Deaths<sup>iii</sup>

	# of New HIV Diagnoses	%	# of PLWHA	%	# Deaths among PLWHA	%
<b>Total</b>	111.3	100.0%	3331	100.0%	50.0	100.0%
<b>Sex at Birth</b>						
Male	84.0	75.4%	2164	65.0%	33.3	66.6%
Female	27.3	24.6%	1167	35.0%	16.7	33.4%
<b>Age</b>						
12 and under	0.0	0.0%	0	0.0%	0.0	0.0%
13-19	5.0	4.5%	27	0.8%	0.3	70.0%
20-24	17.7	15.9%	80	2.4%	0.0	0.0%
25-29	14.3	12.8%	172	5.2%	0.7	1.3%
30-39	22.7	20.4%	423	12.7%	3.7	7.3%

40-49	20.7	18.6%	865	26.0%	8.0	16.0%
50-59	22.0	19.8%	1108	33.3%	22.7	45.3%
60+	9.0	8.1%	655	19.7%	14.7	29.3%

### HIV/AIDS Hospitalization Costs<sup>iv</sup>

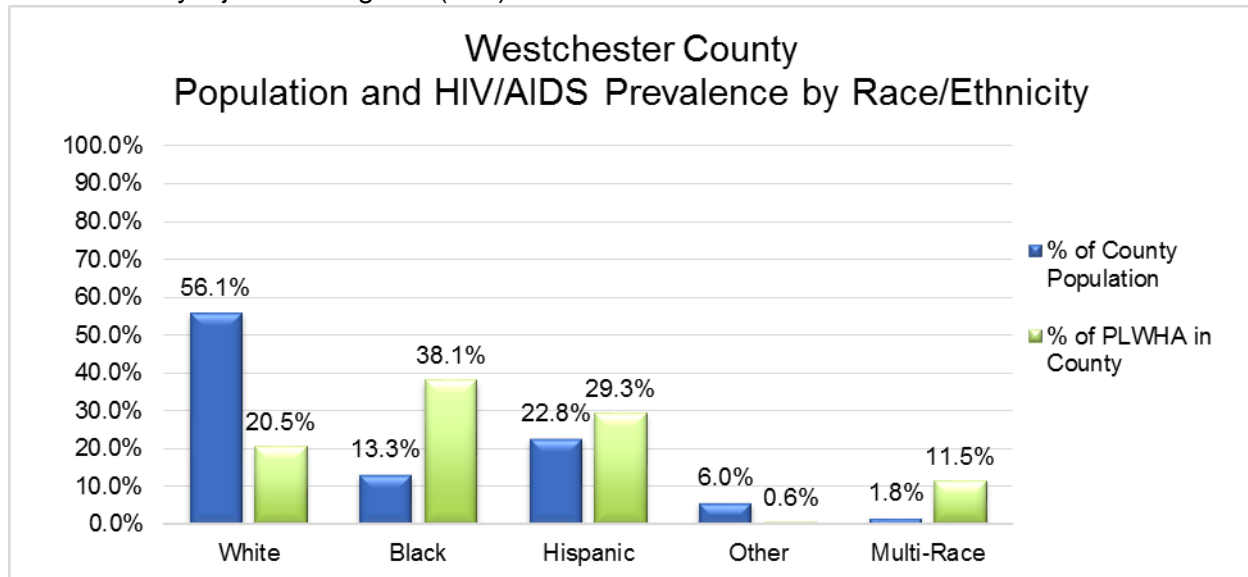
In 2014, a total of \$7,083,171 in costs were incurred by 101 patients admitted for “HIV with Major and Multiple Major Related Conditions.”

- 61 patients were treated for “HIV with Major Related Conditions,” accounting for \$2.7 million in hospitalization costs.
- 40 patients were treated for “HIV with Multiple Major Related Conditions,” at a cost of \$4.4 million.

### HIV/AIDS Disparities

In Westchester County, HIV and AIDS disproportionately impacts non-White individuals, especially those identifying as Black (not Hispanic), Multi-Race (not Hispanic) and Hispanic (of any race). Almost 80% of PLWHA in the county are non-White, despite non-White residents representing only 44% of total county population.

Of the 252 males newly diagnosed with HIV during the three years between 2011 and 2013, 64% identified their transmission risk as men who have sex with men (MSM); 14.3% identified transmission as heterosexual; 15.5% indicated unknown transmission risk. Of the 82 females newly diagnosed during these three years, 96.4% indicated a transmission risk of heterosexual or presumed heterosexual contact. Of all PLWHA in the county, 22.4% (749 individuals) indicated transmission by injection drug use (IDU) or MSM/IDU.



### HIV/AIDS Incidence and Prevalence by Transmission Risk<sup>v</sup>

	HIV Diagnoses (2011-13 Annual Average)		Living HIV and AIDS Cases (December 2013)	
Transmission Risk Group – Males				
Total	84.0	100.0%	2164	100.0%
MSM	53.7	63.9%	1064	49.2%
IDU	4.0	4.8%	392	18.1%
MSM/IDU	1.3	1.6%	127	5.9%

	HIV Diagnoses (2011-13 Annual Average)		Living HIV and AIDS Cases (December 2013)	
Heterosexual	12.0	14.3%	317	14.6%
Blood Products	0.0	0.0%	4	0.2%
Pediatric Risk	0.0	0.0%	28	1.3%
Unknown	13.0	15.5%	232	10.7%
<b>Transmission Risk Group – Females</b>				
<b>Total</b>	27.3	100.0%	1167	100.0%
IDU	1.0	3.7%	230	19.7%
Heterosexual Contact	13.3	48.8%	711	60.9%
Female Presumed Heterosexual Contact	13.0	47.6%	194	16.6%
Blood Products	0.0	0.0%	3	0.3%
Pediatric Risk	0.0	0.0%	29	2.5%
Unknown	0.0	0.0%	0	0.0%

## HIV/AIDS RISK FACTORS

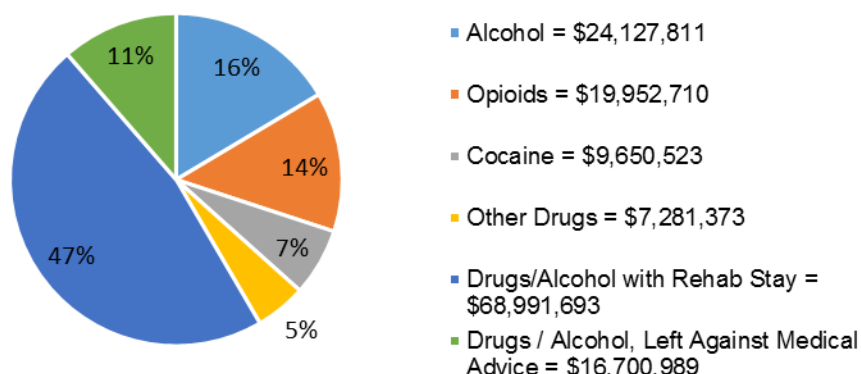
### Homelessness

- In January 2015, 1,797 people in Westchester County were homeless, according to the Point in Time count for the Westchester County Continuum of Care (CoC) region (CoC NY-604).<sup>vi</sup>
  - Of these, 1,770 homeless people were sheltered and 27 were unsheltered.
  - Fifty-nine percent – 1,066 individuals - were members of homeless families.
  - The number of homeless unaccompanied youth (under age 25) was 59.

### Substance Use

- County-wide, 12.2% of adults smoke cigarettes, less than the New York State-wide rate of 15.9% of adults. The percentage of adults in Westchester County who report binge drinking in the past month is 17.9%, similar to the statewide rate of 17.7%.<sup>vii</sup>
- In 2014, Drug/Alcohol-Related hospitalizations in Westchester County had a total cost of over \$146.7 million for 9,161 patients admitted for 73,759 total days.
  - The largest proportion of hospitalization costs was \$68.99 million for 1,770 patients admitted for “Drug/Alcohol Dependence with Rehab Stay” with an average length of stay of 19 days.
  - “Alcohol Abuse and Dependency” incurred \$24.1 million in costs for 1,664 patients and 10,541 days.
  - “Opioid Abuse and Dependence” incurred \$19.9 million in costs for 2,099 patients and 10,752 days.
  - “Cocaine Abuse and Dependence” and “Other Drug Abuse and Dependence” incurred a combined \$16.9 million in costs for 1,479 patients and 10,648 days.
  - An additional \$16.7 million was attributed to “Drug/Alcohol Abuse and Dependence, Patient Left Against Medical Advice” for 2,149 patients and 8,121 days.<sup>viii</sup>

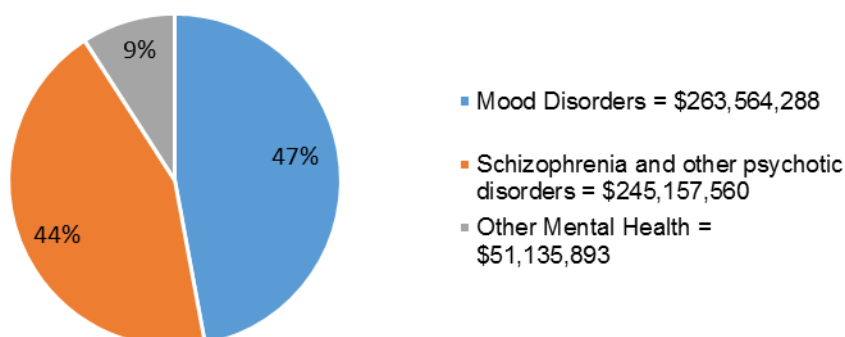
### 2014 Drug / Alcohol-Related Hospitalization Costs Total of \$146,705,099 and 9161 patients



### Mental Health

- In 2014, the age-adjusted percentage of adults who reported poor mental health for 14 or more days in the past month was 10.9% – similar to the statewide rate of 11.1%.<sup>ix</sup>
- Hospitalizations due to mental health issues had a total cost of over \$559.8 million for 11,279 patients admitted for 182,186 days in 2014.
  - Mood disorders (6,667 patients) accounted for 82,062 hospital days and \$263.5 million in costs.
  - Schizophrenia or other psychotic disorders (3,332 patients) accounted for 85,825 hospital days and \$245.1 million in costs.
  - In addition, 1,280 patients were admitted for an “other mental health disorder,” for a total 14,299 days and cost of \$51.1 million.<sup>x</sup>

### 2014 Mental Health-Related Hospitalization Costs Total of \$559,857,741 and 11279 patients





## REFERENCES

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- <sup>i</sup> U.S. Census Bureau, 2010-2014 American Community Survey 5-Year Estimates.
- <sup>ii</sup> U.S. Census Bureau, 2010-2014 American Community Survey 5-Year Estimates.
- <sup>iii</sup> New York State HIV/AIDS County Surveillance Report (Excludes State Prison Inmates) For Cases Diagnosed Through December 2013. Bureau of HIV/AIDS Epidemiology AIDS, AIDS Institute, New York State Department of Health, August 2015.
- <sup>iv</sup> New York State Department of Health, Statewide Planning and Research Cooperative System (SPARCS). APR Major Diagnostic Category (MDC) by APR Diagnosis Related Group (DRG) Report by County for 2014 Inpatient Data. APR DRG = HIV with Major Related Conditions (892) and HIV with Multiple Major Related Conditions (890).
- <sup>v</sup> New York State HIV/AIDS County Surveillance Report (Excludes State Prison Inmates) For Cases Diagnosed Through December 2013. Bureau of HIV/AIDS Epidemiology AIDS, AIDS Institute, New York State Department of Health, August 2015.
- <sup>vi</sup> U.S. Housing and Urban Development, Continuum of Care Homeless Assistance Program Homeless Population and Subpopulation Report, Point in Time (PIT) counts from January 2015. Published November 2015. Retrieved August 8, 2016 from <https://www.hudexchange.info/resources/documents/2007-2015-PIT-counts-by-CoC.xls>
- <sup>vii</sup> 2013-2014 NYS Expanded Behavioral Risk Factor Surveillance System (NYS Counties outside NYC); 2013 NYS Behavioral Risk Factor Surveillance System (NYC counties), data as of 2015. <https://www.health.ny.gov/statistics/chac/general/g110.htm>; <https://www.health.ny.gov/statistics/chac/general/g108.htm>.
- <sup>viii</sup> New York State Department of Health, Statewide Planning and Research Cooperative System (SPARCS). APR Major Diagnostic Category (MDC) by APR Diagnosis Related Group Report by County for 2014 Inpatient Data.
- <sup>ix</sup> 2013-2014 NYS Expanded Behavioral Risk Factor Surveillance System (NYS Counties outside NYC); 2013 NYS Behavioral Risk Factor Surveillance System (NYC counties), data as of 2015. <https://www.health.ny.gov/statistics/chac/general/g106.htm>
- <sup>x</sup> New York State Department of Health, Statewide Planning and Research Cooperative System (SPARCS). APR Major Diagnostic Category (MDC) by Clinical Classification (CCS) Diagnosis Category Report by County for 2014 Inpatient Data.