

# 2016 Adolescent/Adult Newly Diagnosed HIV Case Reporting: Mecklenburg County



**267** new diagnoses  
Of HIV Disease in 2016

## 2012 – 2016 Newly Diagnosed HIV Disease Cases

Year:	2012	2013	2014	2015	2016
Cases:	254	238	307	285	267

## 2016 Mecklenburg HIV Disease Case Reports By Race, Age and Gender

RACE/ETHNICITY	Cases	% of Total
Asian/P.I.	8	3%
Black	189	71%
Hispanic	28	10%
White	40	15%
Unk.	2	1%
<b>TOTAL</b>	<b>267</b>	<b>100%</b>

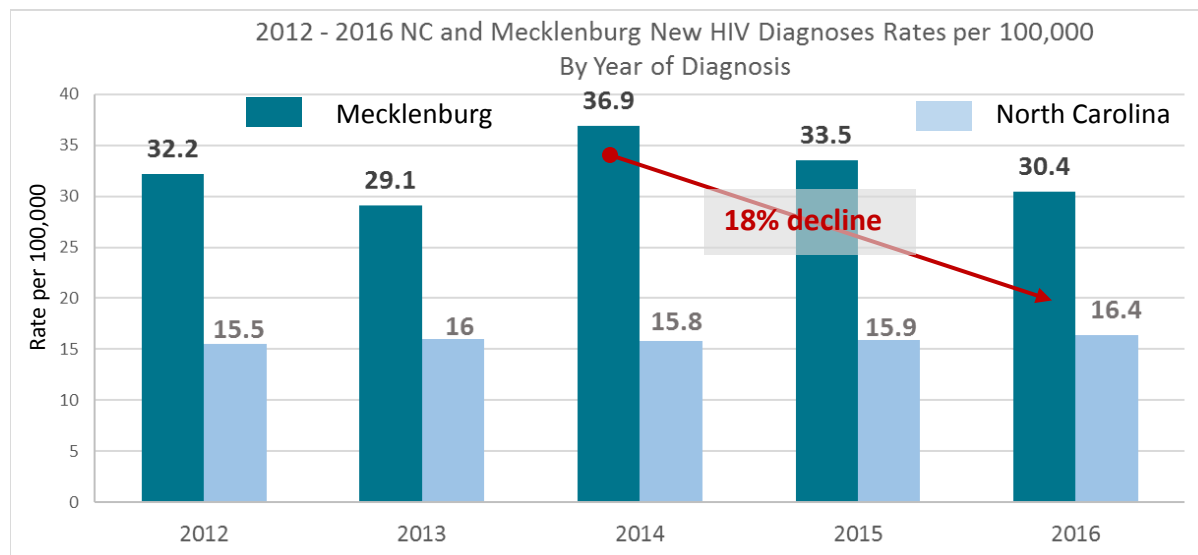
AGE GROUPS	Cases	% of Total
13-19 yrs	12	4%
20-24 yrs	51	19%
25 - 29 yrs	73	27%
30 - 34 yrs	34	13%
35 - 39 yrs	28	10%
40 - 44 yrs	14	5%
45 - 49 yrs	19	7%
50 - 59 yrs	24	9%
60 and over	12	4%
<b>TOTAL</b>	<b>267</b>	<b>100%</b>

GENDER	Cases	% of Total
Male	218	82%
Female	49	18%
<b>TOTAL</b>	<b>267</b>	<b>100%</b>

## 2016 Annual Case Rate: 30.4 cases per 100,000

- The number of new HIV infections and rate of diagnoses are declining in the county.
- During 2014 -2016, HIV case rates declined by nearly 18%, from 36.9 per 100,000 to 30.4.



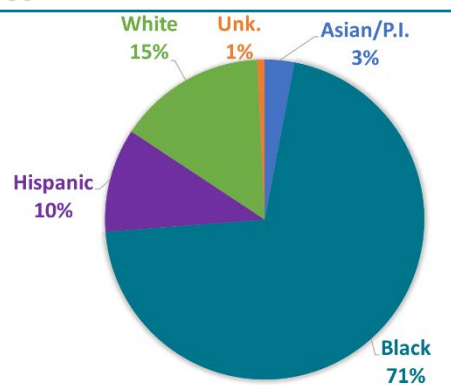
Anyone who has sex is at risk for HIV infection, but some groups are more affected.



Nearly **1** out of **5** are young people aged 20 - 24 years.

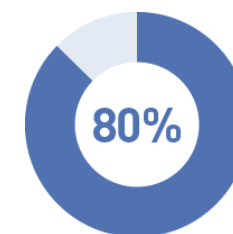
### BY RACE

In 2016, 70% of new HIV infections were among Black/African Americans.



### BY GENDER

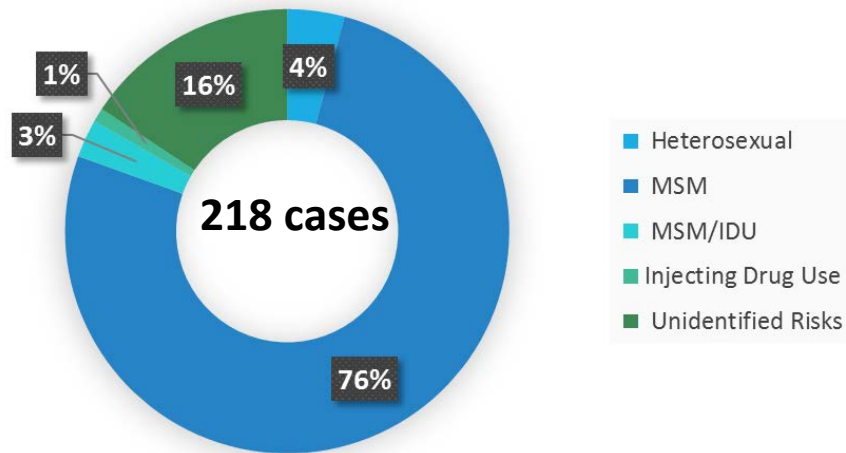
Males account for nearly



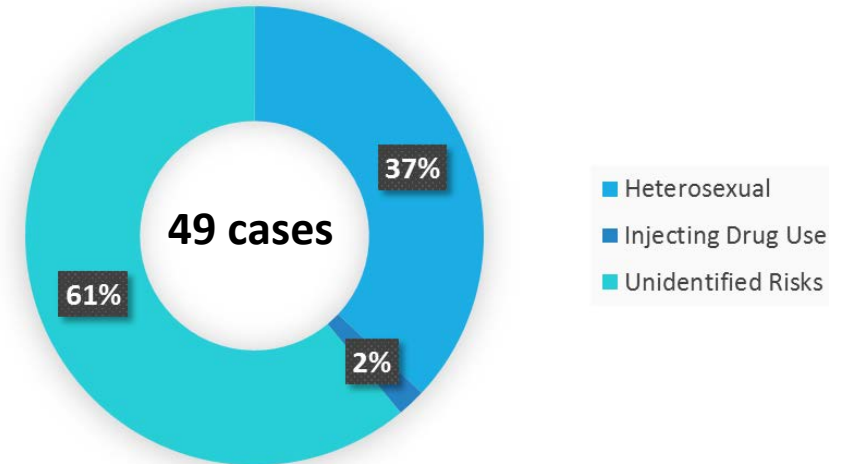
of new reports each year.

## 2016 Newly Diagnosed HIV Infections by Transmission Category, Mecklenburg County

Male HIV Diagnoses, by Transmission Category  
Total Cases = 218



Female HIV Diagnoses, by Transmission Category  
Total Cases = 49



### By Risk Category:

- Among HIV infected males, approximately 3 out of 4 new infections report MSM as a risk of infection.
- Heterosexual contact is the most reported risk category for females.
- Each year nearly 30% of all new HIV infections are reported without a risk category. This number is higher among females than males. These reports represent individuals who are either: currently being interviewed for risk, persons who have relocated/moved, have not yet been located.
- Based on recent analysis, the majority of females reported without an identified risk are believed to be heterosexual contact.

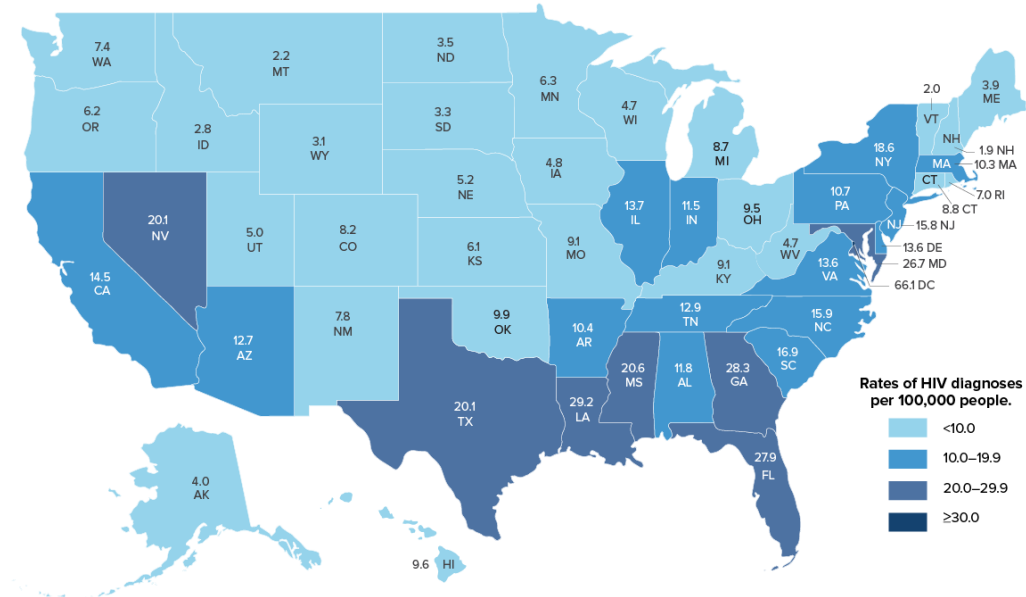
## The State of HIV in the United States

In the United States, Southern states account for half of new HIV diagnoses in 2015, while making up 38% of the national population. In all regions of the United States, most people who receive an HIV diagnosis live in urban areas.

The Charlotte Metropolitan Statistical area (MSA) includes over 2.4 million residents and covers 7 counties in NC and 3 in South Carolina. While HIV rates in the Charlotte MSA are higher than the nation, they are comparable with other large urban areas across the nation.

- In the United States 1.1 million people are living with HIV, and 1 in 7 of them don't know it.
- Annual HIV case rates in the United States declined by 5%, from 14.2 per 100,000 in 2010 to 12.3 per 100,000 in 2015.
- **The South has the highest rate of HIV diagnoses.** The rates (per 100,000 people) of HIV diagnoses in 2015 were 16.8 in the South, 11.6 in the Northeast, 9.8 in the West, and 7.6 in the Midwest.
- In 2015, **the Charlotte MSA ranked 25<sup>th</sup> in the Nation for HIV** annual case rates among other major metropolitan statistical areas.

## Rates of HIV Diagnoses Rates Among Adults/Adolescents in the US in 2015



Source: Centers for Disease Control, 2016 HIV/AIDS Surveillance Report

Selected Metropolitan Statistical Areas (MSAs)	2015 Newly Diagnosed HIV Cases	Annual Case Rate per 100,000
Miami–Fort Lauderdale–West Palm Beach, FL	2332	38.8
Baton Rouge, LA	266	32.0
New Orleans–Metairie, LA	403	31.9
Jackson, MS	181	31.3
Atlanta–Sandy Springs–Roswell, GA	1472	25.8
Orlando–Kissimmee–Sanford, FL	614	25.7
Louisville/Jefferson County, KY–IN	313	24.5
Memphis, TN–MS–AR	311	23.1
Jacksonville, FL	329	22.7
Baltimore–Columbia–Towson, MD	618	22.1
Houston–The Woodlands–Sugar Land, TX	1470	22.1
Tampa–St. Petersburg–Clearwater, FL	597	20.1
Dallas–Fort Worth–Arlington, TX	1282	18.0
Virginia Beach–Norfolk–Newport News, VA–NC	287	16.6
<b>Charlotte–Concord–Gastonia, NC–SC</b>	<b>401</b>	<b>16.5</b>
San Antonio–New Braunfels, TX	386	16.2
Durham–Chapel Hill, NC	87	15.7

Metropolitan Statistical Areas (MSAs) were selected based on the largest population in the 2010 U.S. Census.

Source: Centers for Disease Control, 2016 HIV/AIDS Surveillance Report

**Mecklenburg County New HIV Diagnoses in Adolescents and Adults<sup>1</sup> 2012 – 2016**  
**by Race, Gender, and Exposure Category**

RACE/ETHNICITY	2012		2013		2014		2015		2016	
	Cases	% of Total	Cases	% of Total	Cases	% of Total	Cases	% of Total	Cases	% of Total
Asian/Pacific Islander	4	2%	8	3%	9	3%	---2	0%	8	3%
Black/African American	174	69%	155	65%	211	69%	206	72%	189	71%
Hispanic/Latino	20	8%	25	11%	22	7%	32	11%	28	10%
White/Caucasian	43	17%	48	20%	58	19%	37	13%	40	15%
Unknown/Unspecified	13	5%	---2	1%	7	2%	---2	3%	---2	1%
<b>TOTAL</b>	<b>254</b>	<b>100%</b>	<b>238</b>	<b>100%</b>	<b>307</b>	<b>100%</b>	<b>285</b>	<b>100%</b>	<b>267</b>	<b>100%</b>

GENDER	Cases	% of Total	Cases	% of Total	Cases	% of Total	Cases	% of Total	Cases	% of Total
	Male	208	82%	193	81%	257	84%	234	82%	218
Female	46	18%	45	19%	50	16%	51	18%	49	18%
<b>TOTAL</b>	<b>254</b>	<b>100%</b>	<b>238</b>	<b>100%</b>	<b>307</b>	<b>100%</b>	<b>285</b>	<b>100%</b>	<b>267</b>	<b>100%</b>

**EXPOSURE CATEGORY by GENDER**

<i>Male</i>	Cases	% of Total	Cases	% of Total	Cases	% of Total	Cases	% of Total	Cases	% of Total
Heterosexual	11	5%	10	5%	11	4%	5	2%	9	4%
IDU	0	0%	---2	1%	---2	0%	---2	1%	---2	1%
MSM	142	68%	128	66%	191	74%	179	76%	165	76%
MSM/IDU	---2	0%	---2	1%	7	3%	7	3%	6	3%
No Risk Reported	54	26%	51	26%	47	18%	40	17%	35	16%
<b>MALE TOTAL</b>	<b>208</b>	<b>100%</b>	<b>193</b>	<b>100%</b>	<b>257</b>	<b>100%</b>	<b>234</b>	<b>100%</b>	<b>218</b>	<b>100%</b>
<i>Female</i>	Cases	% of Total	Cases	% of Total	Cases	% of Total	Cases	% of Total	Cases	% of Total
Heterosexual	16	35%	13	29%	20	40%	24	47%	18	37%
IDU	---2	2%	---2	4%	---2	2%	---2	4%	---2	2%
No Risk Reported	29	63%	30	67%	29	58%	25	49%	30	61%
<b>FEMALE TOTAL</b>	<b>46</b>	<b>100%</b>	<b>45</b>	<b>100%</b>	<b>50</b>	<b>100%</b>	<b>51</b>	<b>100%</b>	<b>49</b>	<b>100%</b>

1. HIV Diagnoses includes all persons with reported with HIV regardless of stage of disease, HIV infection or AIDS. AIDS cases are included in these reports. Pediatric Cases are not included.
2. Cell numbers less than 4 are not reported to protect confidentiality

Data subject to change as new information becomes available

Data Source: NC DHHS HIV/STD Prevention and Care Unit, Mecklenburg County Line List as of September 2017.

Prepared by: Mecklenburg County Public Health, Epidemiology Program November 2017