



Mecklenburg County HIV Update

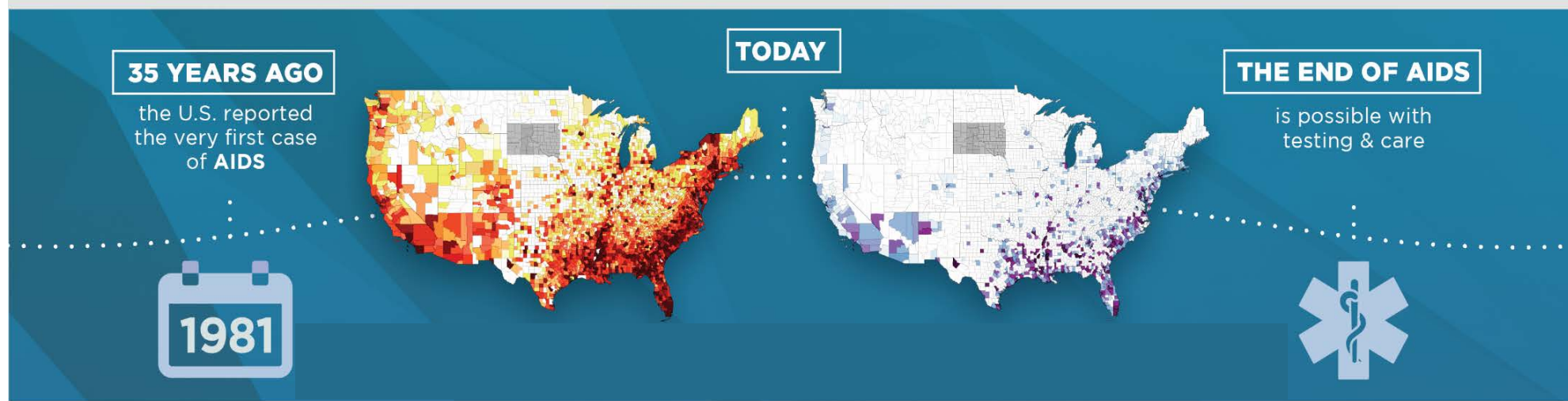
October 24, 2017



PUBLIC HEALTH

Gibbie Harris
Mecklenburg County Public Health
Interim Health Director

National Snapshot of HIV/AIDS



More than
1.1 million
people in the US
are living with HIV

39,500
people were newly
diagnosed in 2015

Number of New Infections fell

10%

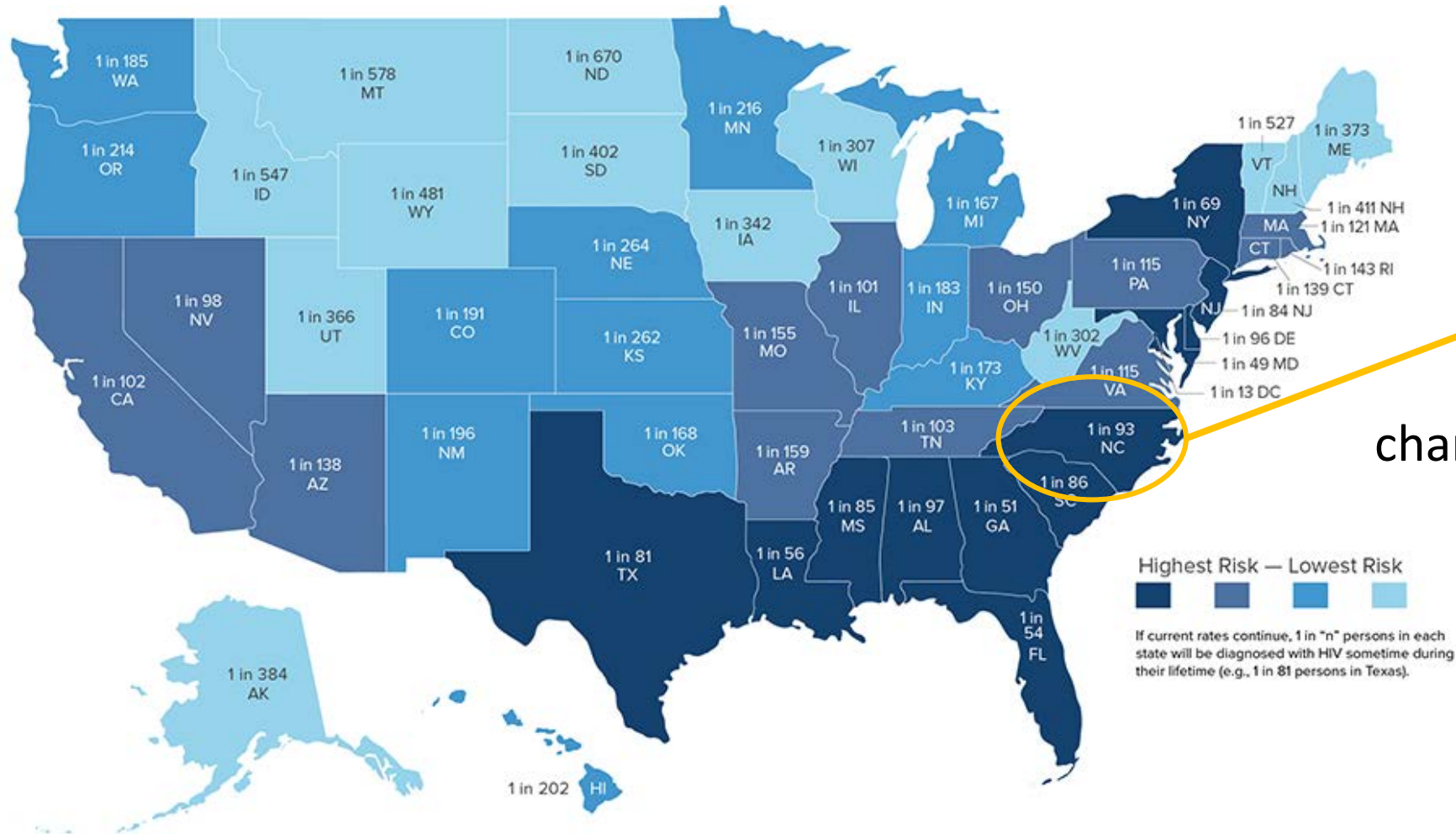
Between 2010 and 2014

Source: CDC. [Diagnoses of HIV infection in the United States and dependent areas, 2015](#). *HIV Surveillance Report* 2015;26.

Prepared by: Mecklenburg County Public Health, Epidemiology Program 10/2017



Lifetime Risk for HIV is HIGHEST in the South



In North Carolina

1 in 93

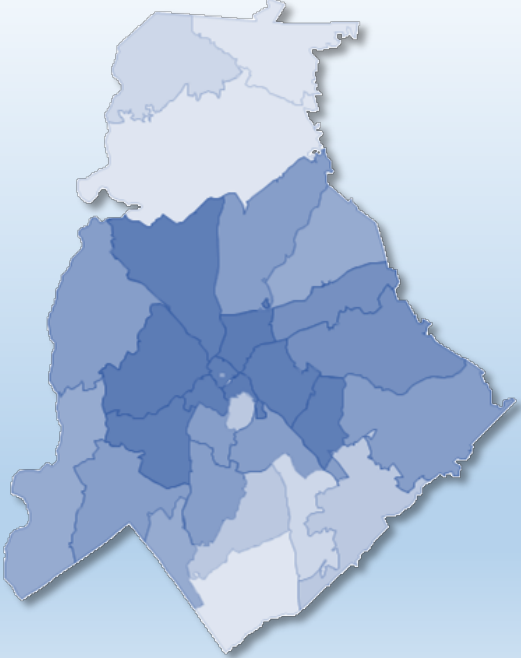
chance of being diagnosed with HIV at some point in life.



Snapshot of HIV/AIDS in MECKLENBURG

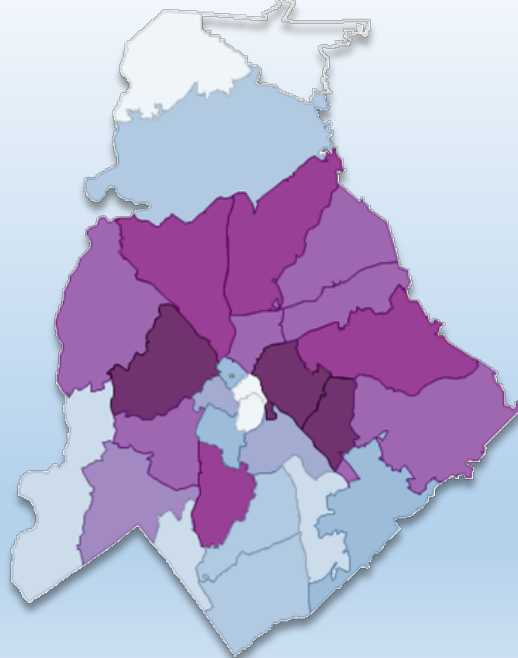


2016 HIV Prevalence Rates



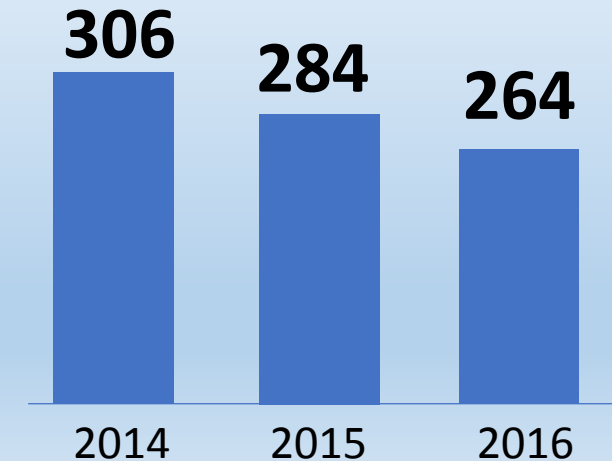
More than **6,630**
people in Mecklenburg
are living with HIV

2012- 2016 Newly Diagnosed HIV Infections



264
people were newly
diagnosed in 2016

Number of Newly Diagnosed HIV Infections
by Year of Diagnosis
(based on County of 1st Diagnosis)



Number of New Infections fell

14%

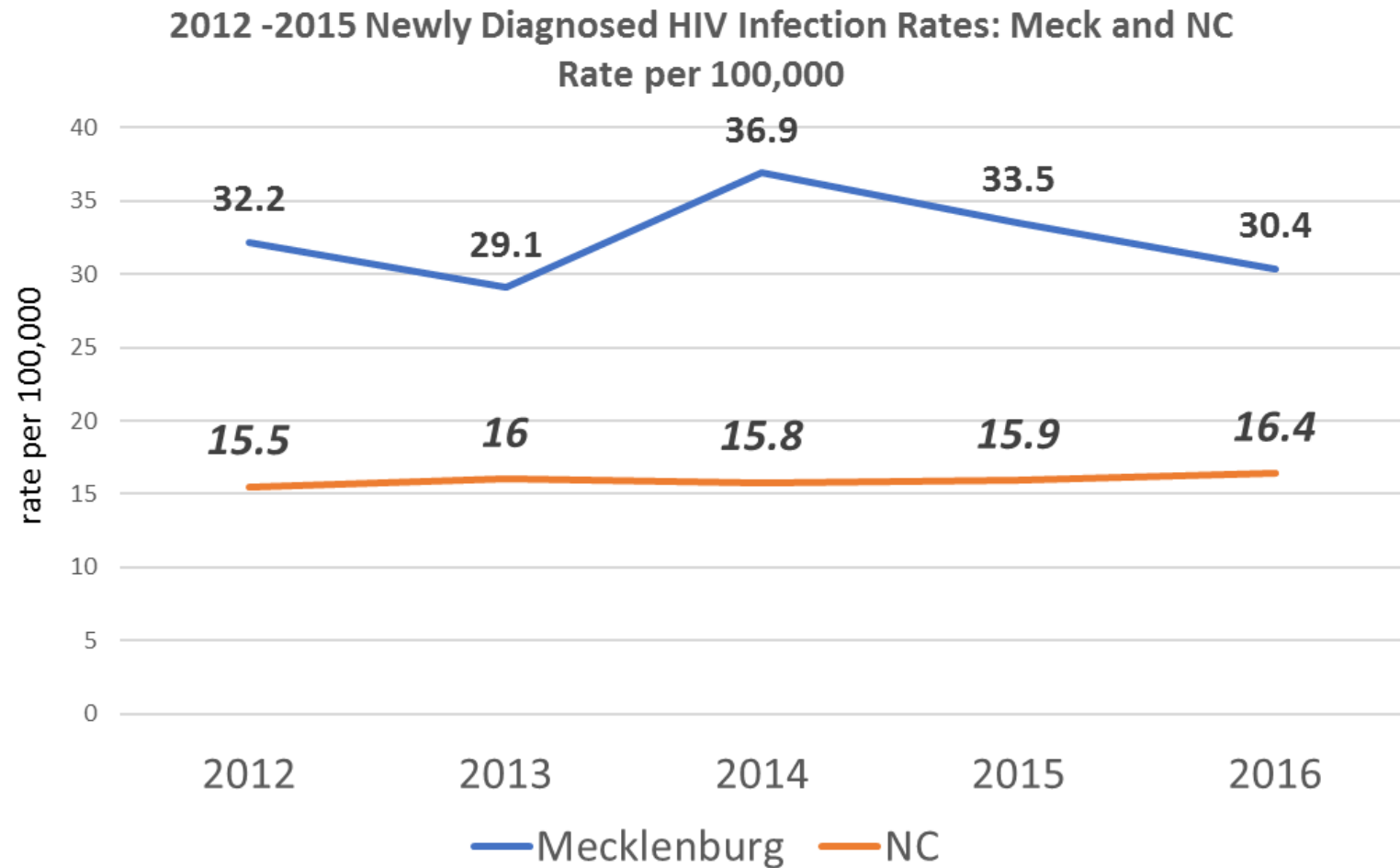
Between 2014 and 2016

While HIV Infection rates in NC are fairly stable; ...Mecklenburg *Rates are declining*



18% decline

in HIV case rates in
Mecklenburg County
between **2014 and 2016**



Source: NC DHHS, HIV/STD Prevention Care Unit, 2016 HIV/STD Surveillance Report
Prepared by: Mecklenburg County Public Health, Epidemiology Program 10/2017

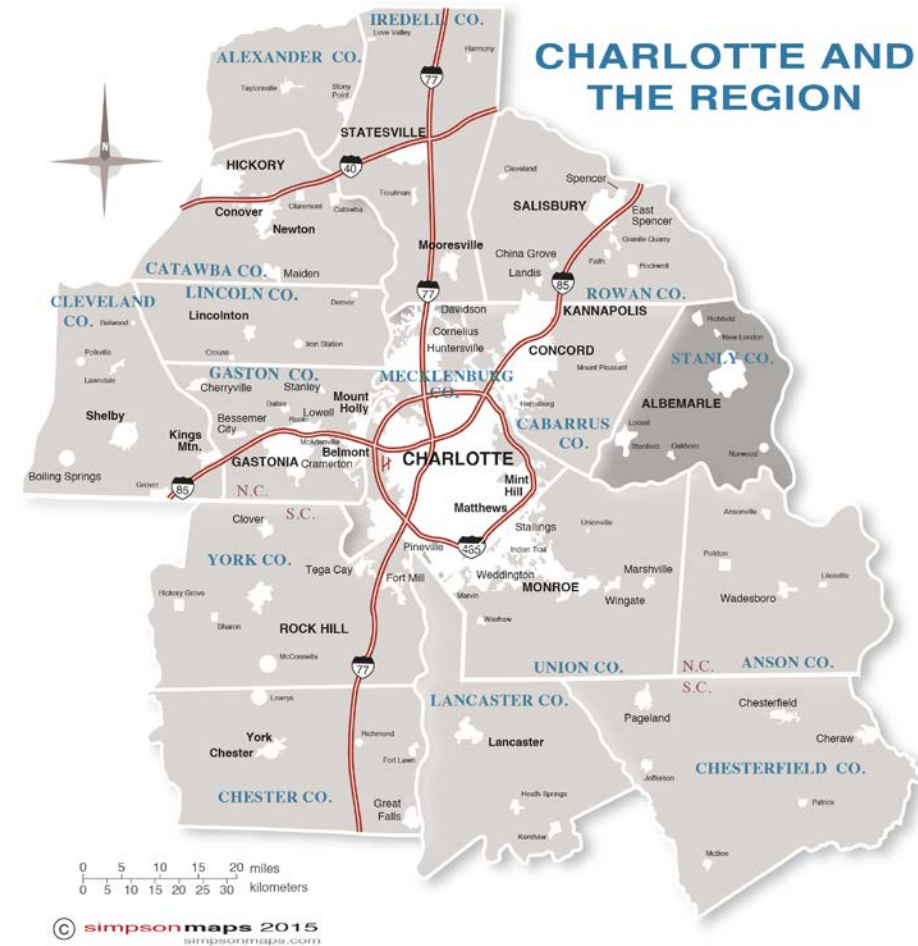
HIV in Mecklenburg: How Do We Compare?



In 2015, the Charlotte Metropolitan area ranked

25TH

In the Nation for rate of new HIV diagnosis



Source: CDC. [Diagnoses of HIV infection in the United States and dependent areas, 2015](#)

Map Source: Charlotte Chamber of Commerce

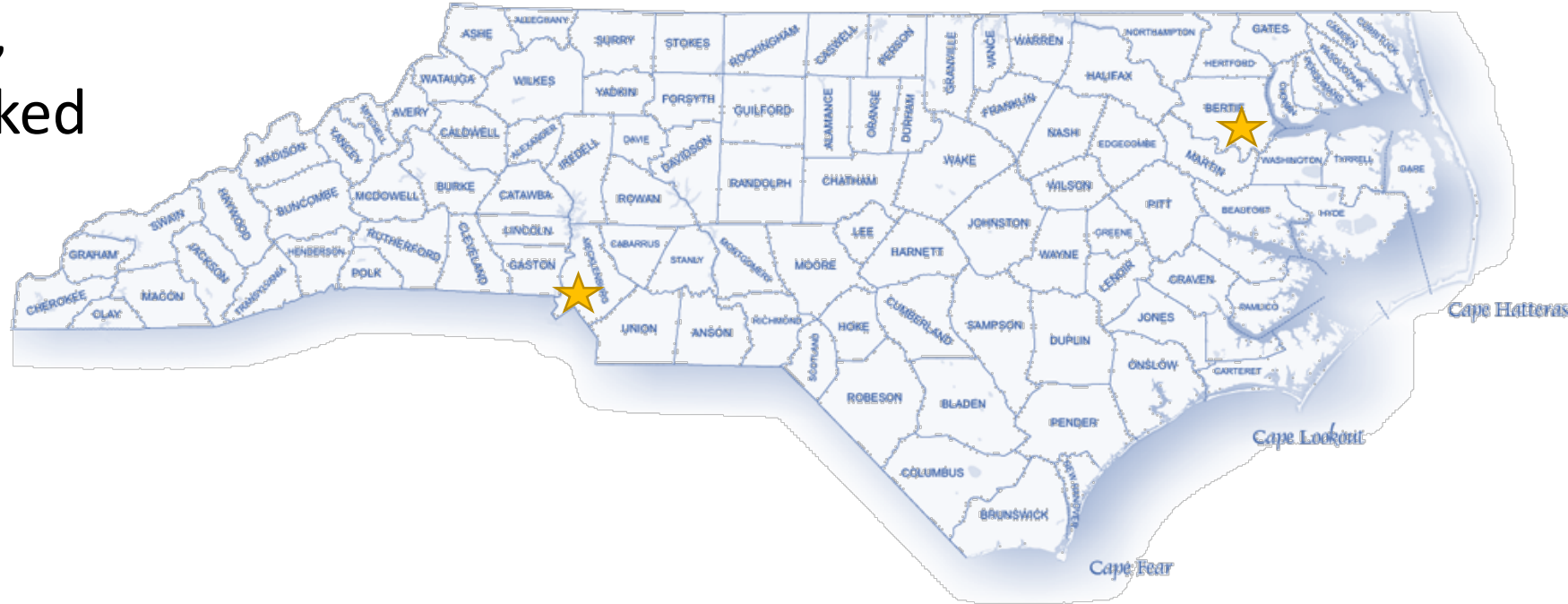
Prepared by: Mecklenburg County Public Health, Epidemiology Program 10/2017

HIV in Mecklenburg: How Do We Compare?



Between 2014 – 2016,
Mecklenburg County ranked

2nd



in NC for **rate** of new HIV
diagnosis

Bertie County ranked #1 for rate of
new HIV dx (2014 – 2016), but with
fewer cases (n= 20 HIV Dx.)

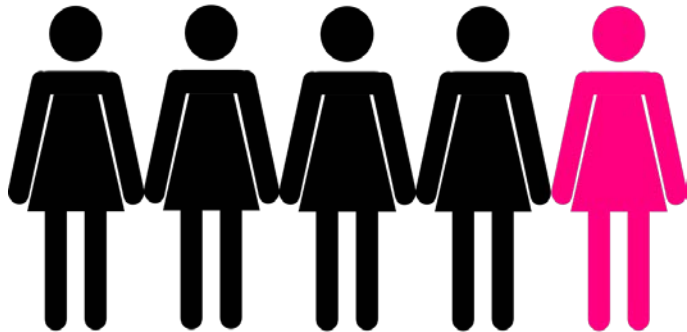
The Face of HIV in Mecklenburg County

Based on 2016 New HIV Diagnoses n= 264



Nearly **1** in **5**

are



Young Adults

(aged 20 – 24 yrs.)



are

African American

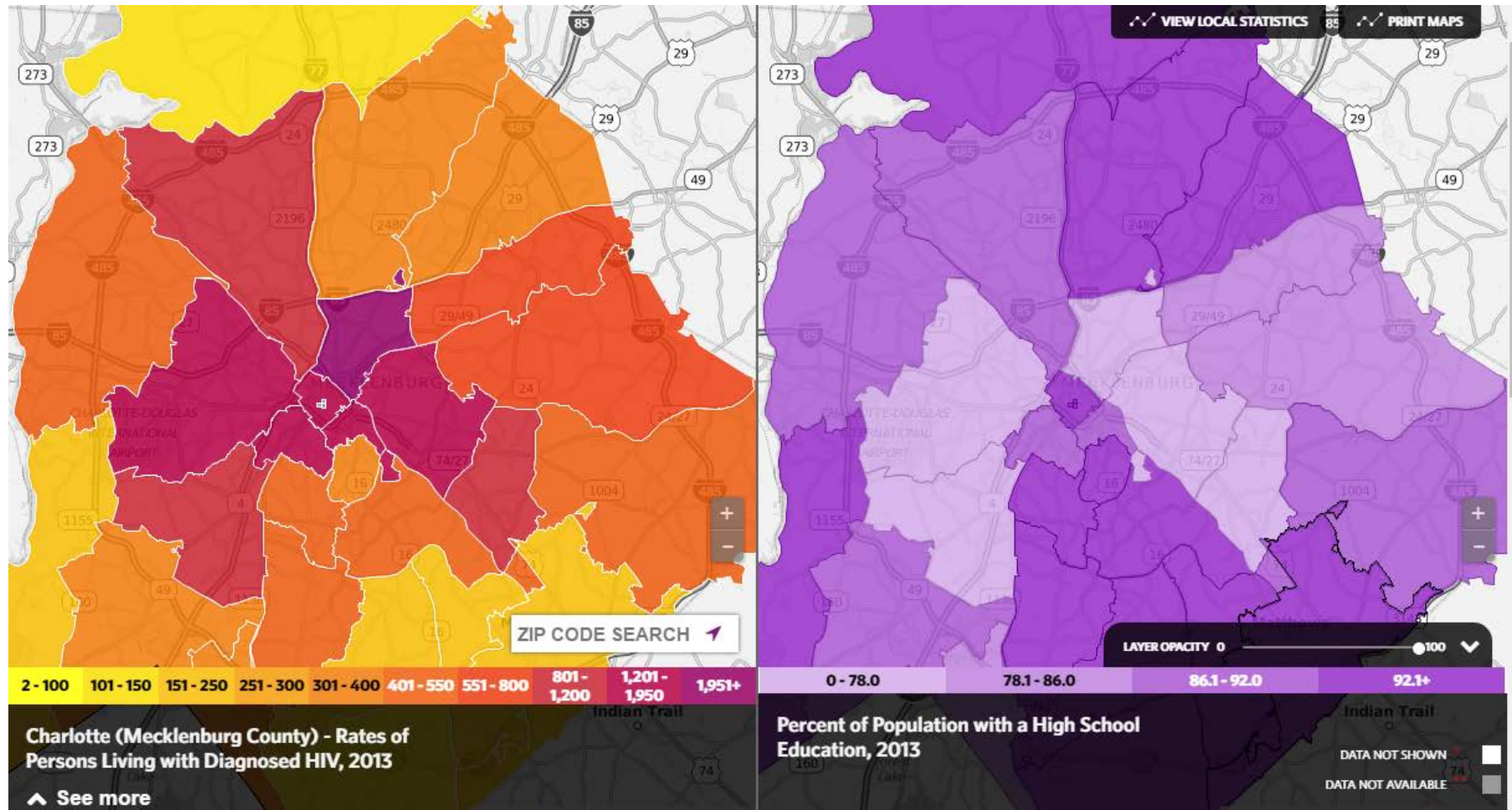


are

Males

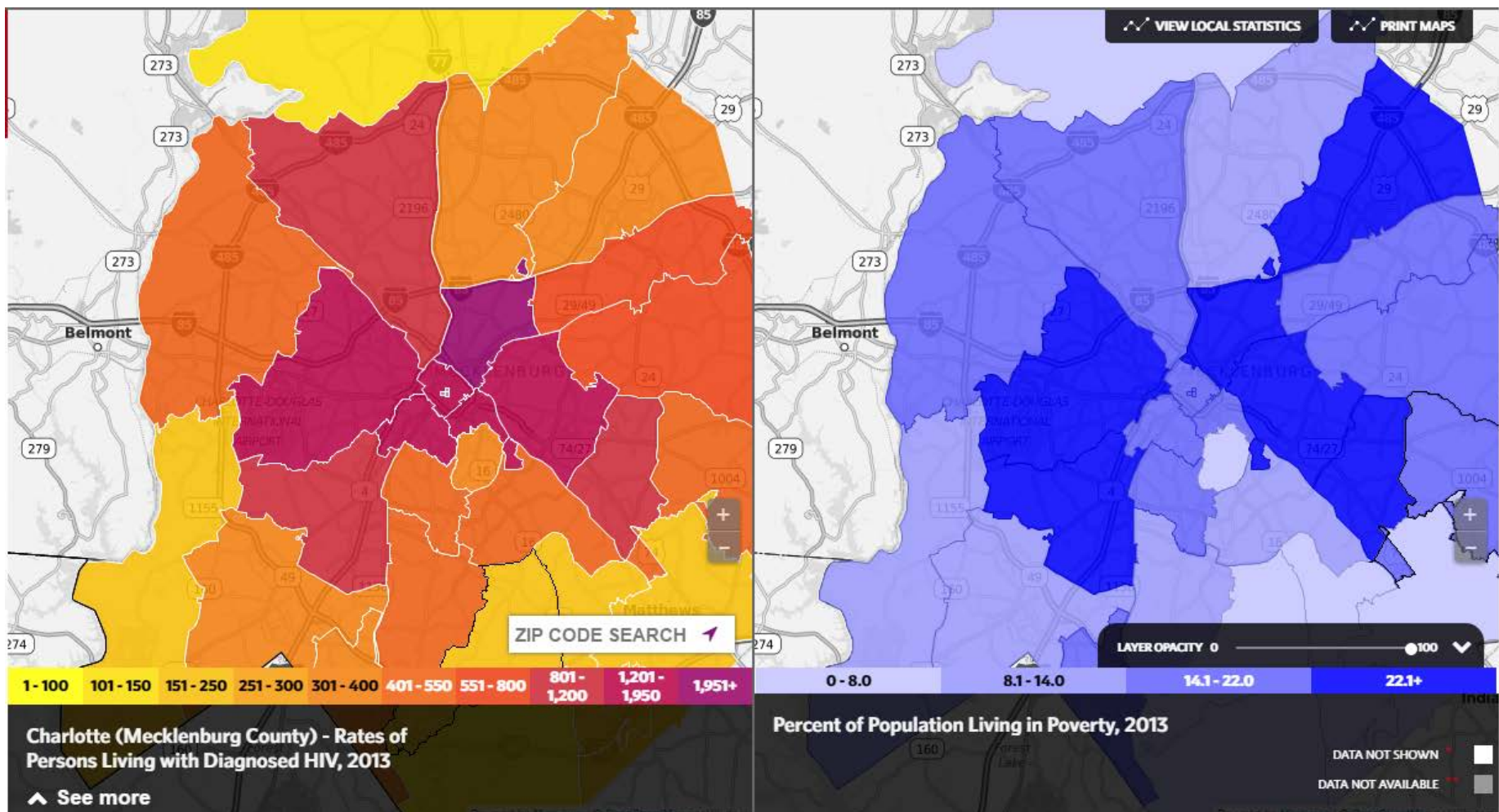


HIV rates are higher in areas with Low Educational Attainment



Source: AIDSvu.org, Charlotte NC Mapping

HIV rates are higher in areas with more Poverty



Source: AIDSvu.org, Charlotte NC Mapping



Syphilis rates are increasing
in every region,
a majority of age groups, and
across almost every race/ethnicity in the Nation.

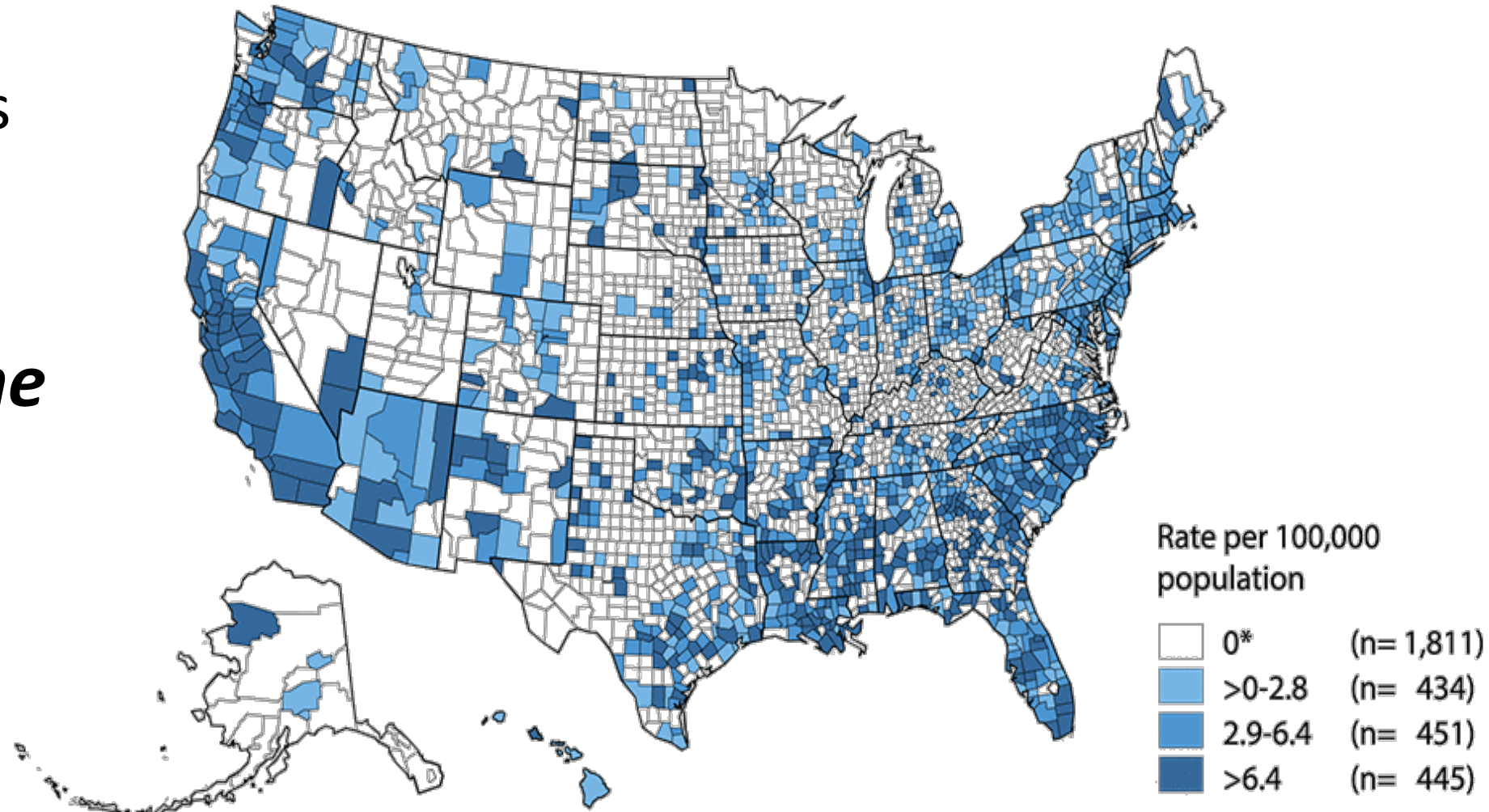
Source: CDC, Syphilis Strikes Back 2017 campaign poster.
https://www.cdc.gov/std/sam/2017syphilis.htm?s_cid=tw_SAM_17005

Syphilis Cases on the Rise



Primary/Secondary Syphilis: Reported Case Rates by County, US 2015

For the past 3 years
Increases
have been noted in
Syphilis across the nation



Data Source: Centers for Disease Control and Prevention, 2015 STD Surveillance Report

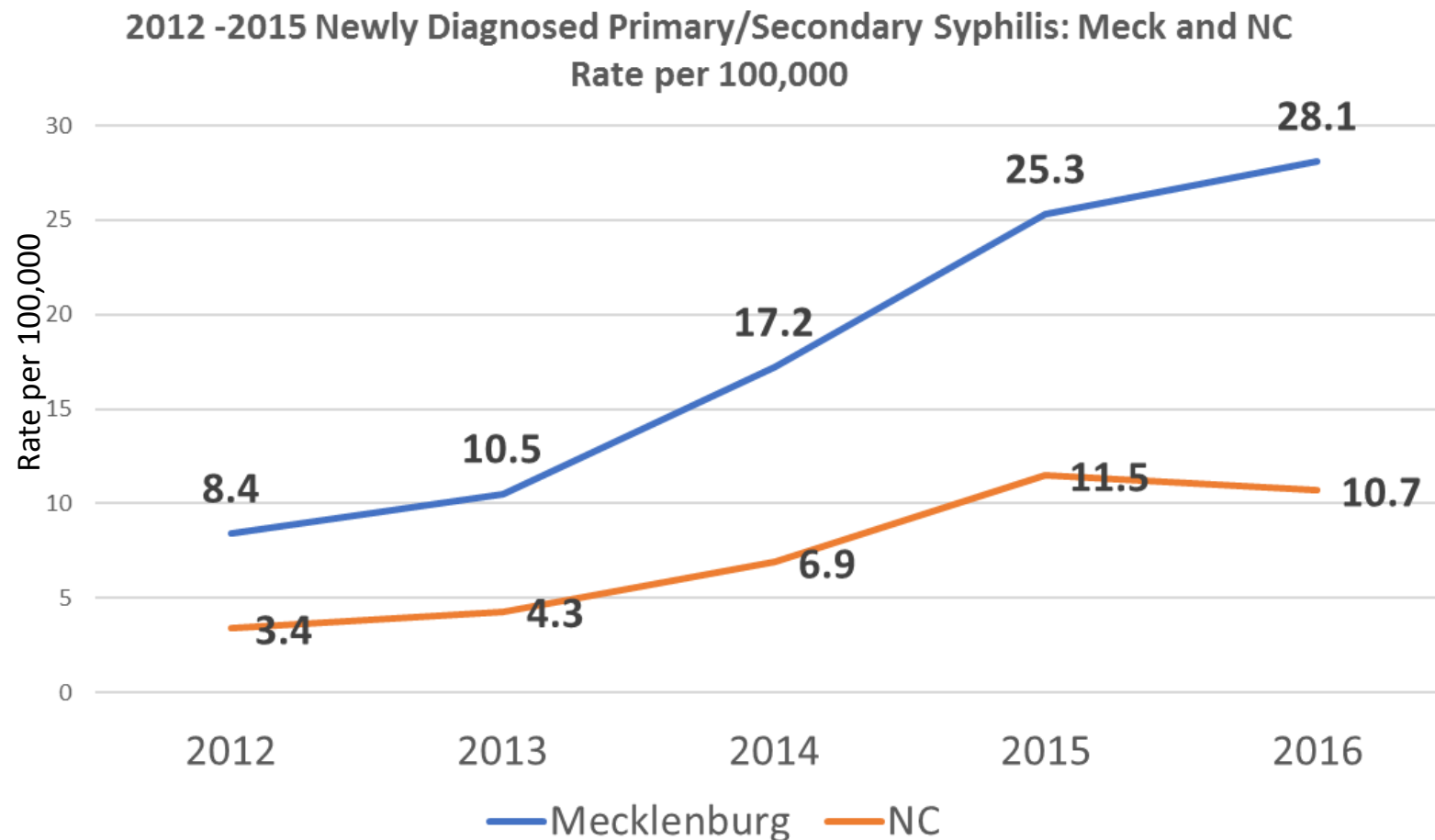
Syphilis infections in Mecklenburg *are increasing*



2016 Syphilis case rates
are

166% higher

than those of **2014**



Source: NC DHHS, HIV/STD Prevention Care Unit, 2016 HIV/STD Surveillance Report

HIV disease burden is increasing ...



As more persons with HIV gain access to care and in the absence of a cure, the number of persons living with HIV will dramatically increase.

Persons Living with HIV in
Mecklenburg in 2012

4,992



Persons Living with HIV in
Mecklenburg in 2016

6,630

Source: NC DHHS, HIV/STD Surveillance Reports 2012 - 2016

Best Practices – Addressing HIV



- Primary Prevention

- **Education***

- Limiting your number of sexual partners
 - Never sharing needles
 - Using condoms

- **Know your status – testing***

- Secondary Prevention

- PrEP (pre-exposure prophylaxis)
 - PEP (post-exposure prophylaxis)

- Treatment as Prevention (TasP)

(prescribing anti-retrovirals to reduce the amount of virus in their blood reducing likelihood of infecting others)

- **Locate, notify and educate individuals reported as HIV+***

- **Partner notification***

- **Counseling***

- **Referral/navigation into medical care and support services***

- **Provision of medical care and support services***

***Services provided through MCHD**



Mecklenburg County HIV Services

Adult Health Clinics

HIV/STD Community Outreach, Testing, and Education

HIV Case Management

Ryan White Program

HIV/STD Investigations and Surveillance

Community Partnerships



PUBLIC HEALTH

HIV Counseling and Testing



2016 Testing Efforts

HIV Testing

Testing sites are reaching persons most at risk for HIV

- Family Planning Clinics
- STD Clinics
- Jail
- Refugee Clinic
- TB Clinic
- Community testing
- HIV Walk-in clinic

Positivity Rates

- **16,990** persons tested
- **Overall positivity rate: 1.02%**
 - HIV Walk-in Clinic 2.7%
 - Community Testing 1.4%

Adult Health Clinics



Clinical areas that provide the following services include STD, Family Planning and TB.

Services Provided

- ✓ HIV counseling and testing
- ✓ Disease Intervention Specialists initiative contact investigations and partner notifications
- ✓ Referrals for patient navigation, case management and other services

HIV/STD Community Outreach, Testing and Education



HIV Testing Services are the first critical steps in linking HIV positive persons to medical care and medications which can lead to **viral suppression** and a **reduction in the transmission** of the virus.

Services Provided

- ✓ HIV prevention education
- ✓ Risk Reduction Counseling
- ✓ HIV referral services
- ✓ HIV Testing
- ✓ Testing for Syphilis and other STDs

HIV testing is free and confidential

HIV/STD Community Outreach and Education - 2016



Outreach/Education

Provide information on HIV/STD transmission, prevention methods and risk reduction strategies

- **709** HIV/STD community presentations
 - Urban Ministries
 - Goodwill
 - Substance Abuse/Comprehensive Outpatient Treatment
 - Powerhouse Project
 - RAIN
- **14,168** individuals educated
- Collaborations with **34** community partners

HIV Case Management



HIV Case Management Program ensures that those living with HIV have access to the resources that will enable them to reach viral suppression and optimal health.

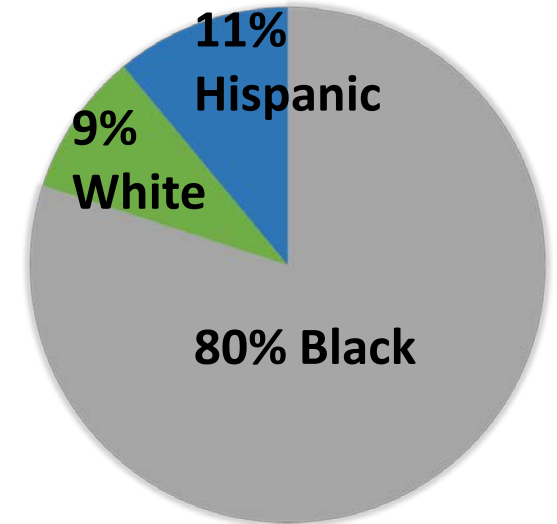
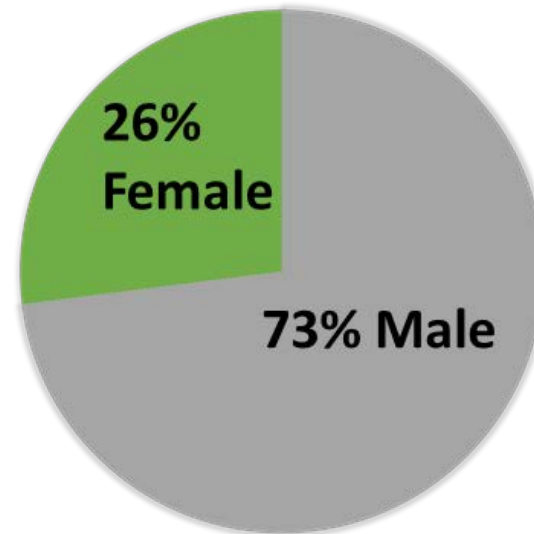
Services Provided

- ✓ Linkages to needed healthcare
- ✓ Referrals for psychosocial services
- ✓ Additional support programs

HIV Case Management: 2016 Program Highlights



- **429** persons served
- **93%** adherence with medical treatment and medications
- **77%** viral suppression rates



*1% population identified as Transgender

Ryan White Part A Program



The Ryan White Program provides funding for 23 HIV service providers in a 6 county transitional grant area (TGA) which includes Gaston, Mecklenburg, Cabarrus, Union, Anson, and York, SC

Services Funded

- ✓ Medical care
- ✓ Medical case management
- ✓ Dental care
- ✓ Mental health
- ✓ Health insurance & psychosocial support for youth
- ✓ Transportation
- ✓ Emergency Financial Assistance
- ✓ Early Intervention Services
- ✓ Non-Medical Case Management Services

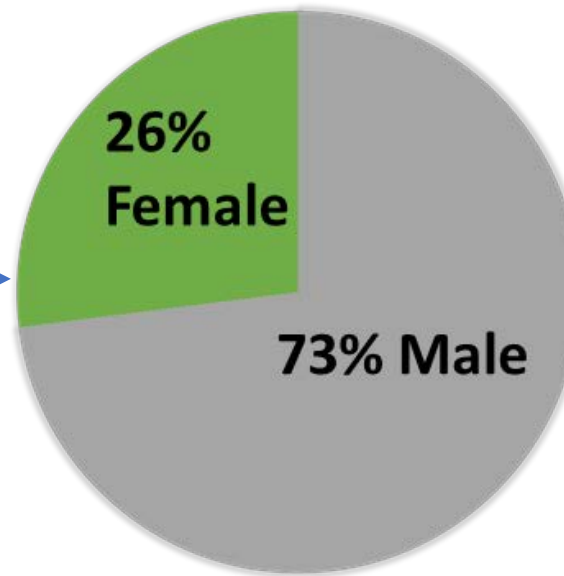
**FY 2017 Budget =
\$6.2 million**

Ryan White Part A Program FY2017 Highlights

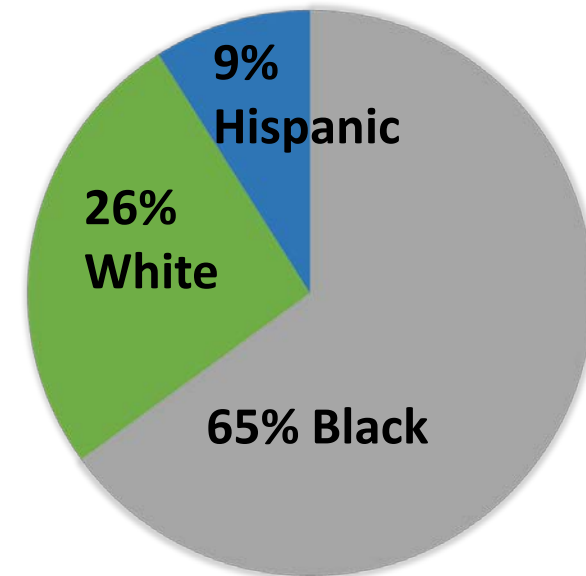


- **3,208** clients served

- **82%** viral suppression rates



*1% population identified as Transgender



HIV/STD Investigations and Surveillance



HIV/STD Investigations and Surveillance provides investigation and partner notification for persons reported with HIV and Syphilis.

Services Provided

- ✓ HIV and Syphilis contact tracing and investigation
- ✓ Client Education and Counseling
- ✓ Referrals to patient navigator or case management
- ✓ Reporting of new HIV, Syphilis and other reportable STDs
- ✓ Planning of Interventions

94%

of reported cases were
located and notified in 2016

HIV/STD Community Partners



Mecklenburg County HIV Community Partners play a key role in delivering HIV/STD prevention services to our community. By building strong community partnerships, Public Health is able to expand our reach among populations at increased risk for HIV.

Services Provided by Community Partners

- ✓ Infectious Disease Care
- ✓ Primary Medical Care
- ✓ Substance Abuse Counseling
- ✓ HIV/STD Screenings
- ✓ Linkage to Care
- ✓ HIV/STD Prevention Education and Risk Reduction Counseling

