

# Durham County Communicable Disease Update, 2018

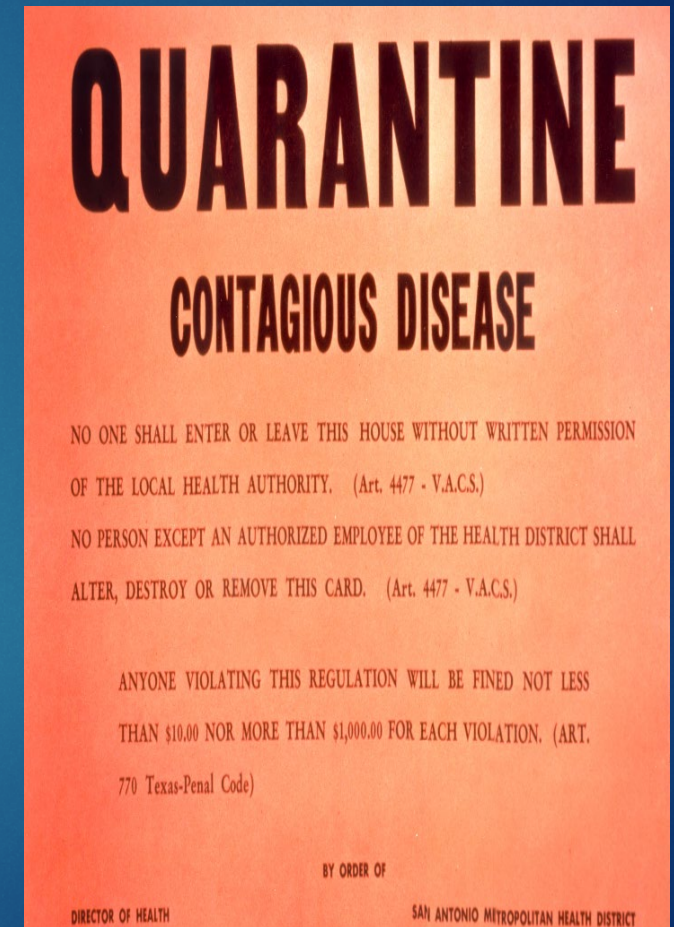
**Arlene C. Seña, MD, MPH**

**Medical and Laboratory Director, DCoDPH**

**April 10, 2019**

# Communicable Disease Laws

- ▶ “An illness due to an infectious agent or its toxic products which are transmitted directly or indirectly to a person from an infected person or animal...”  
*APHA, Control of Communicable Disease Manual*
- ▶ G.S 130A-144: Investigation and control measures
- ▶ G.S. 130A-145: Quarantine and isolation authority
  - ▶ **Quarantine** – limitation of freedom of movement for exposed persons and animals at risk for disease, ex: Ebola, rabies
  - ▶ **Isolation** – limitation of freedom of movement or action for confirmed or suspected cases; ex: Tuberculosis



# Communicable Disease Laws

## NC Administrative Code 10A NCAC 41A

[http://ncrules.state.nc.us/ncadministrativ\\_/title10ahealtha\\_/chapter41epidem\\_/default.htm](http://ncrules.state.nc.us/ncadministrativ_/title10ahealtha_/chapter41epidem_/default.htm)

- Reportable Diseases: .0101
- Method of Reporting: .0102(a), (b)
- Duties of Local Health Director: Report Communicable Diseases: .0103
- General Control Measures: .0201(b)
- HIV Needlestick Control Measures: .0202(4)
- Smallpox/Vaccinia Disease Control Measures: .0208
- Laboratory Testing N. Meningiditis, H. Influenza, E.Coli shiga-toxin producing: .0209
- Disclosure to Other Persons: .0211
- Handling and Transportation of Bodies: .0212
- Exception to Confidentiality of Records: .0211
- Special Control Measures: .0301 and .0302 and .0303
- Infection Prevention – Health Care Settings: .0206



NC DEPARTMENT OF  
**HEALTH AND  
HUMAN SERVICES**

**ROY COOPER** • Governor

**MANDY COHEN, MD, MPH** • Secretary

**DANNY STALEY** • Director, Division of Public Health

To: North Carolina Clinicians

From: Zack Moore, MD, MPH, State Epidemiologist

Subject: Vitamin K-Dependent Coagulopathy Associated with Synthetic Cannabinoid Use

Date: June 11, 2018



NC DEPARTMENT OF  
**HEALTH AND  
HUMAN SERVICES**



**ROY COOPER** • C  
**MANDY COHEN, MD, MPH** • Secretary  
**BETH LOVETTE, MPH, BSN, RN** • Acting Director  
Division of Public Health

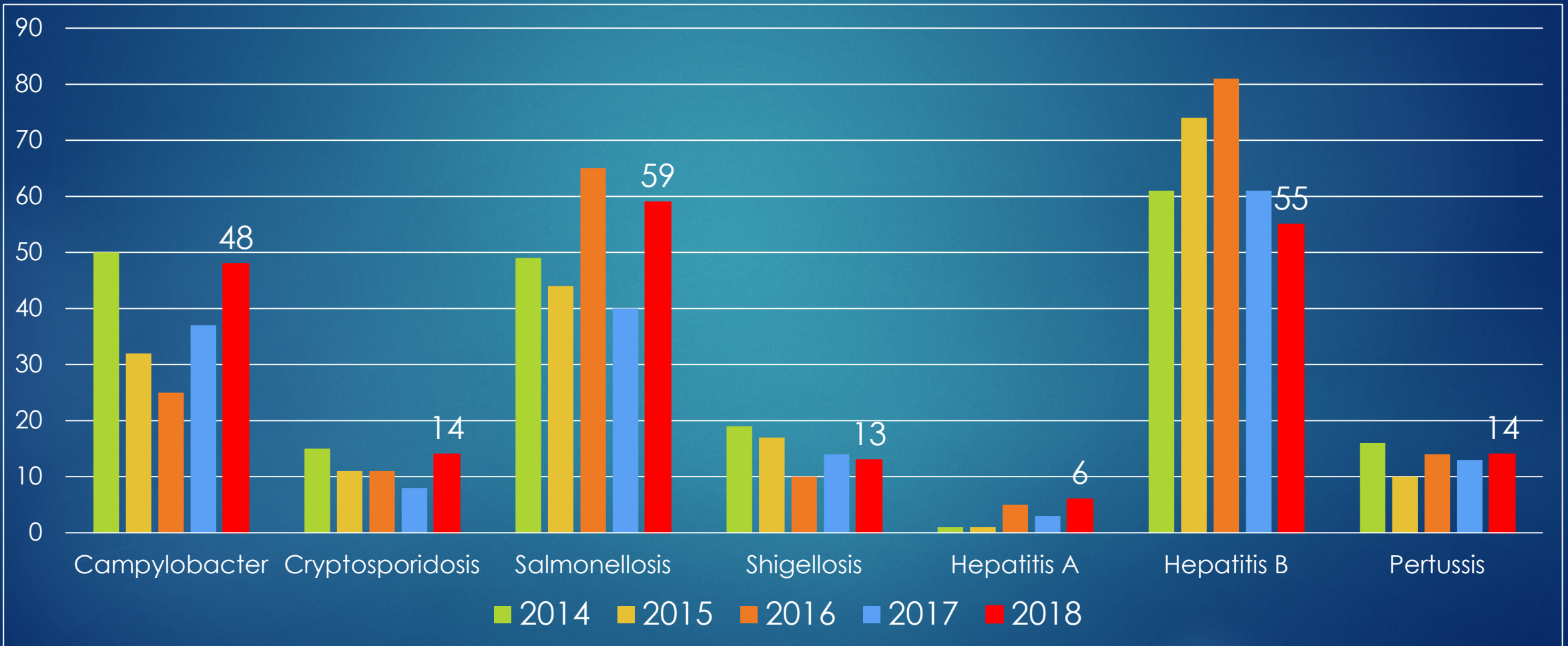
September 28, 2018

To: North Carolina Clinicians and Laboratories  
From: Zack Moore, MD, MPH, State Epidemiologist  
Scott J. Zimmerman, DrPH, MPH, HCLD (ABB), Director, NC State Laboratory of Public Health

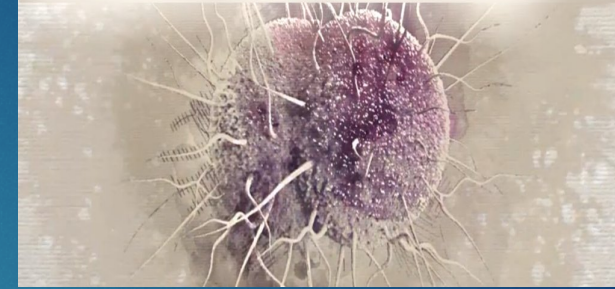
**Subject: Reporting Carbapenemase-Producing Carbapenem-Resistant *Enterobacteriaceae* and *Candida auris* in North Carolina**

Carbapenemase-producing carbapenem-resistant Enterobacteriaceae (CRE) and *Candida auris* (*C. auris*) will be added to the list of conditions that are reportable in North Carolina (NC) as of October 1<sup>st</sup>, 2018. This memo is intended to provide information to NC clinicians and laboratories regarding implementation of reporting requirements.

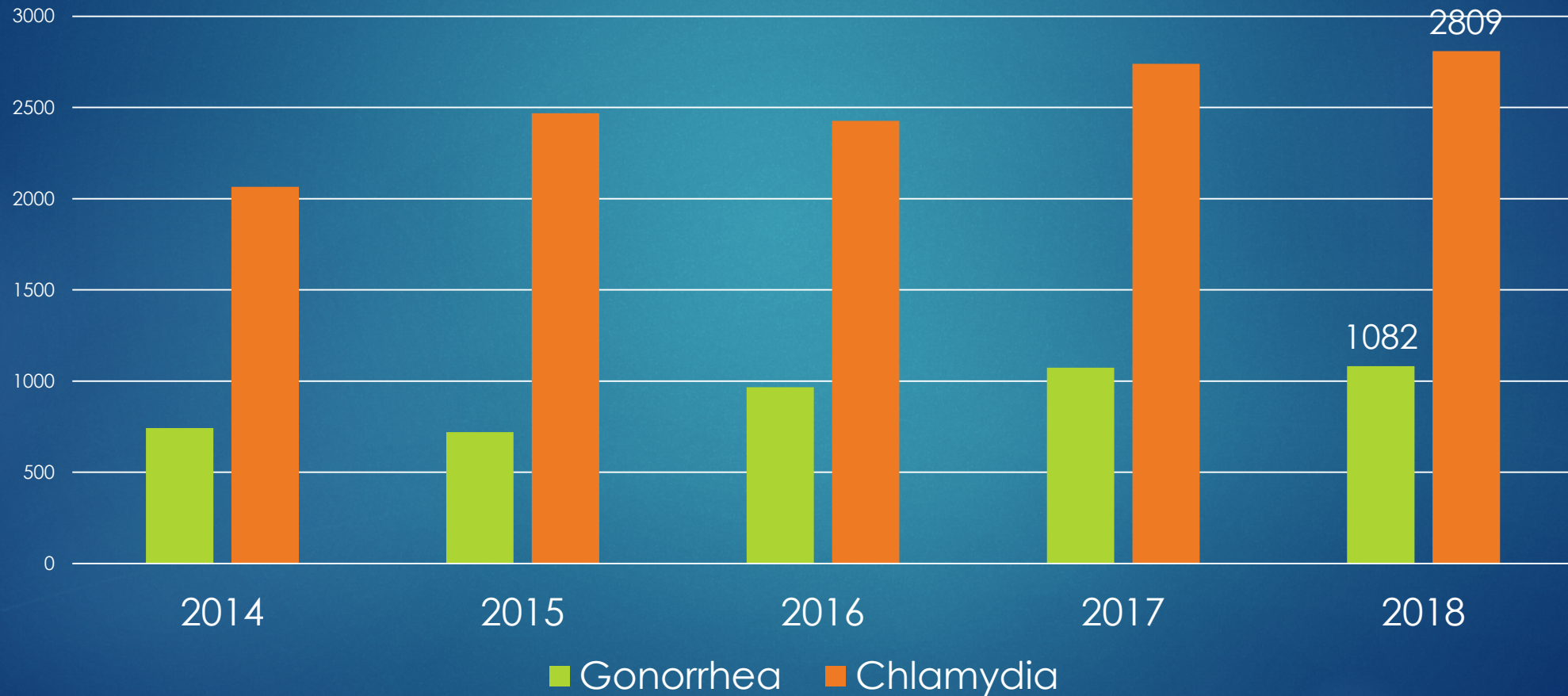
# Communicable Diseases, Durham County



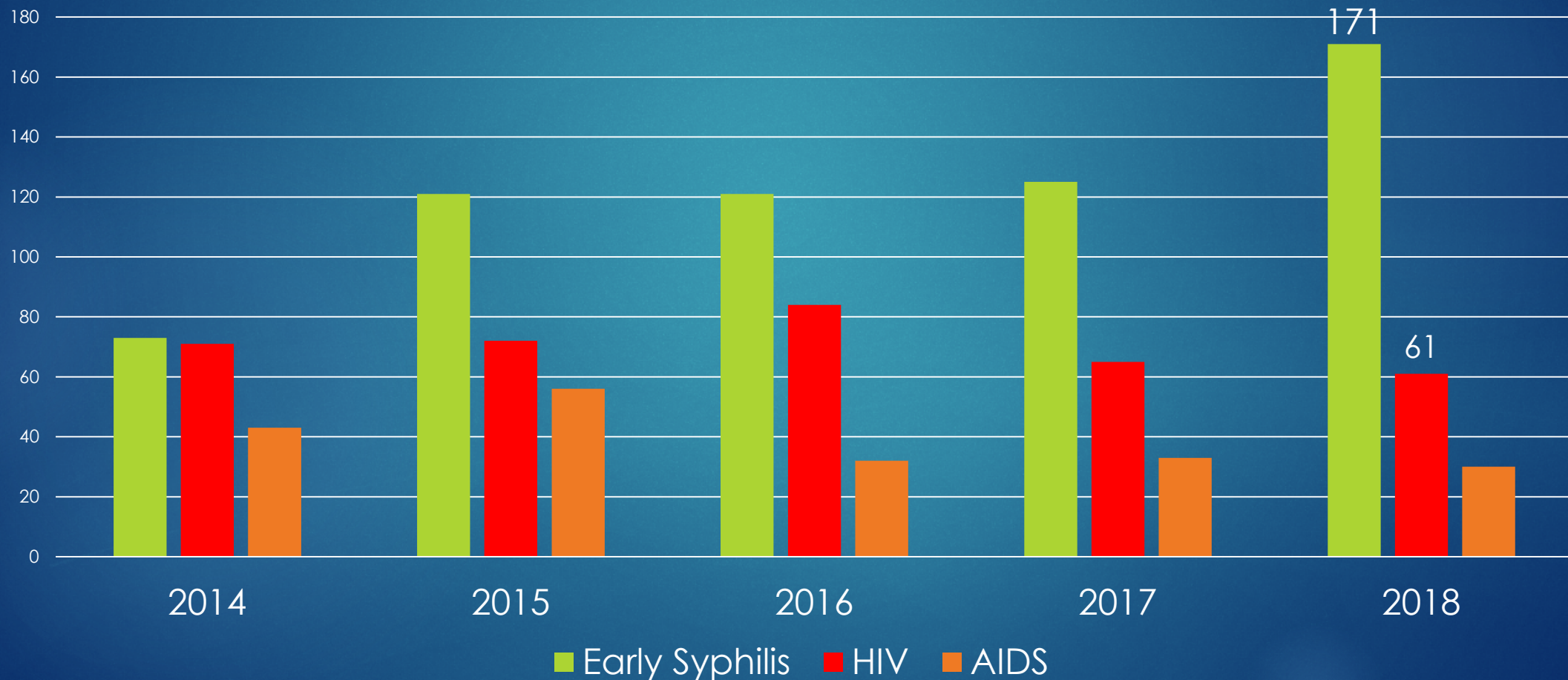
**DRUG-RESISTANT GONORRHEA**  
AN URGENT PUBLIC HEALTH ISSUE



# Gonorrhea and Chlamydia Cases, Durham County



# Early Syphilis, HIV/AIDS Cases Durham County





# Communicable Diseases, 2018

- ▶ Tuberculosis (active): 7
- ▶ Hepatitis C (acute): 6
- ▶ Hepatitis C (chronic): @900
- ▶ Influenza, adult deaths: 8
- ▶ Outbreaks: 6 (influenza); 1 (pertussis); 2 (gastro-intestinal illnesses)




# Rabies, Durham County, 2018



- ▶ Domestic bite reports: 515 ↓
- ▶ Wild animal reports: 169 ↑ ↑
- ▶ Wild animals positive for rabies: 3 ↓
- ▶ Referred for post-exposure prophylaxis: 77 ↑



<https://epi.publichealth.nc.gov/cd/figures.html>



# NCDHHS



Home North Carolina Public Health

- INDIVIDUALS & FAMILIES
- LOCAL HEALTH DEPTS
- HEALTHCARE PROVIDERS
- SCHOOLS, BUSINESSES & COMMUNITY GROUPS
- Facts & Figures**

Communicable Disease HOME

A-Z Diseases & Topics

▼ **Facts & Figures**

- All Diseases Interactive Dashboard (NCD3)**
- HIV/STDs/Hepatitis B and C
- Communicable Diseases
- Healthcare-Associated Infections
- Influenza
- Outbreak Reports - Historical
- Rabies (in Animals)
- Tuberculosis
- Vaccine-Preventable Diseases
- Vector Borne Disease

Programs & Services

Surveillance & Reporting

Disease Laws & Rules

Epidemiology > Communicable Disease > Facts & Figures

## Facts & Figures

### *N.C. Communicable Disease Reports*

All individually identifying information reported to the Division of Public Health is confidential and protected by law. Surveillance information is shared routinely and voluntarily with the CDC and public health partners and practitioners throughout the state in a manner compliant with HIPAA (Health Insurance Portability and Accountability Act). North Carolina is committed to the [meaningful use of electronic disease surveillance data](#), including contributing to the CDC's [Morbidity and Mortality Weekly Report \(MMWR\)](#) and [WONDER](#) database of case counts of nationally notifiable communicable diseases.

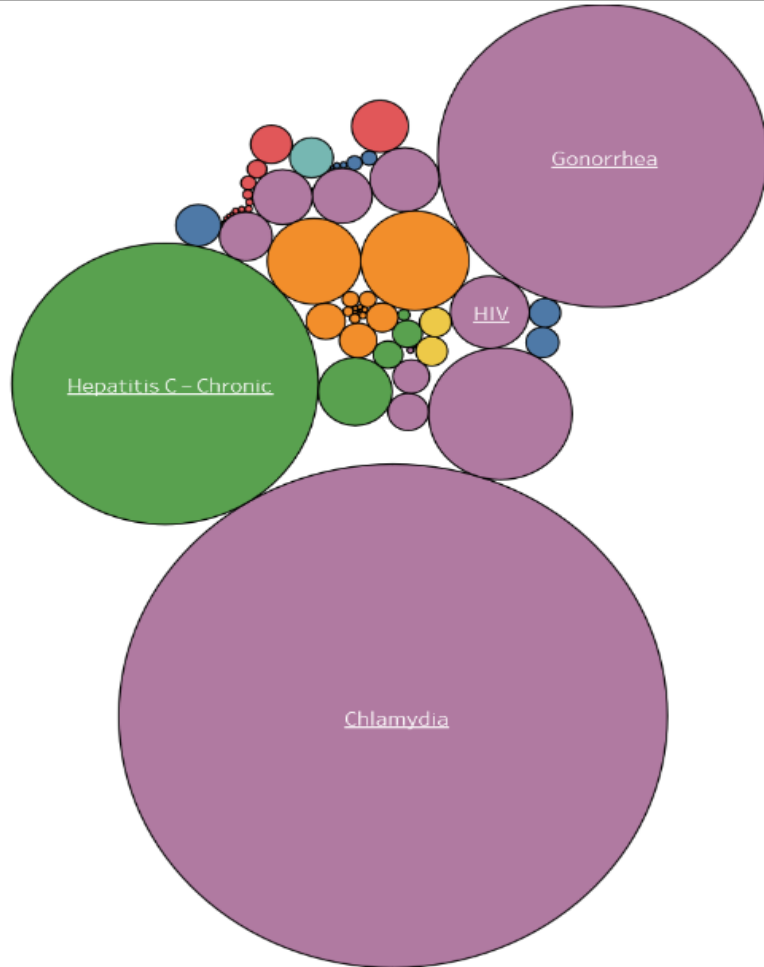
### Interactive Data Dashboard (NCD3)

State-wide and county case counts and incidence rates for all reportable infectious diseases are available on our [interactive data dashboard](#). To obtain additional reports and data, click one of the links below or [contact us](#).

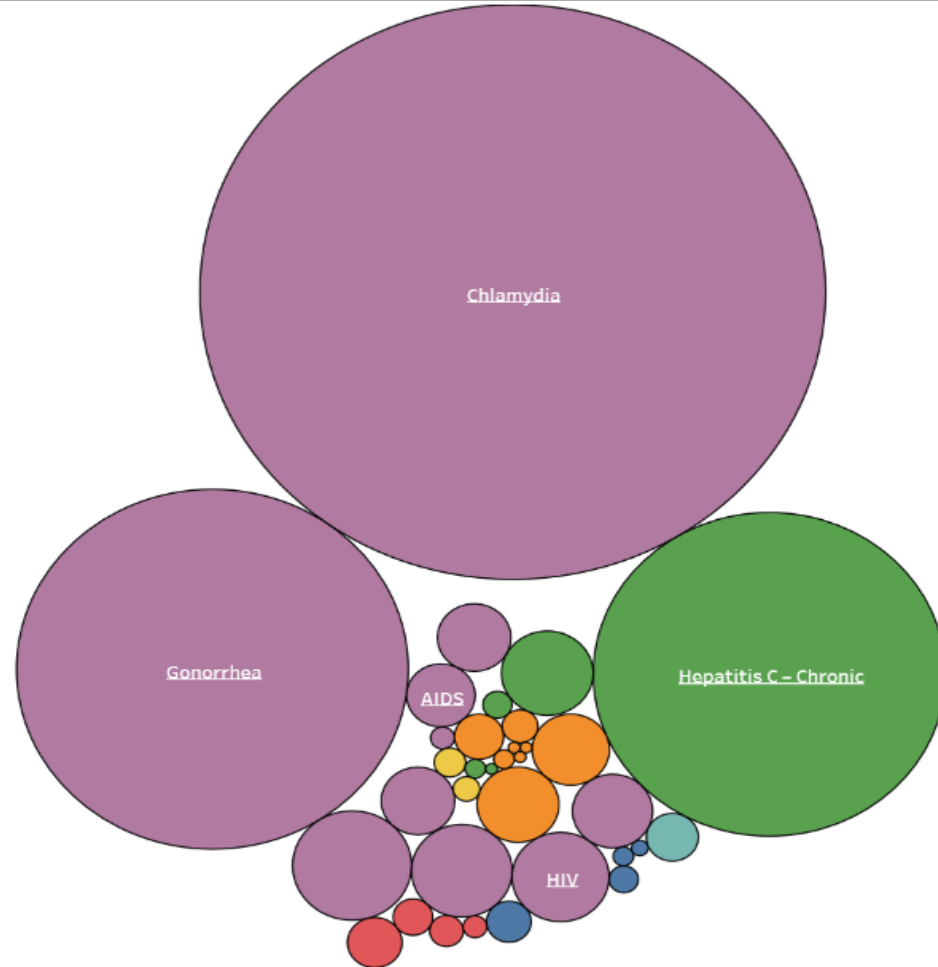
- [AIDS/HIV and STDs](#)
- [Communicable Diseases](#)

### NCD3: North Carolina Disease Data Dashboard

Proportional Disease Burden for North Carolina in 2017



Proportional Disease Burden for Durham County in 2017



#### Instructions

Year  
2017

Disease Group  
(All)

County  
Durham County

Disease Statistic  
Reported Cases

- Disease Group Color Legend
- Enteric
  - Hepatitis
  - Respiratory
  - Sexually transmitted
  - Systemic Conditions
  - Vaccine Preventable
  - Zoonotic & Vector Bor...

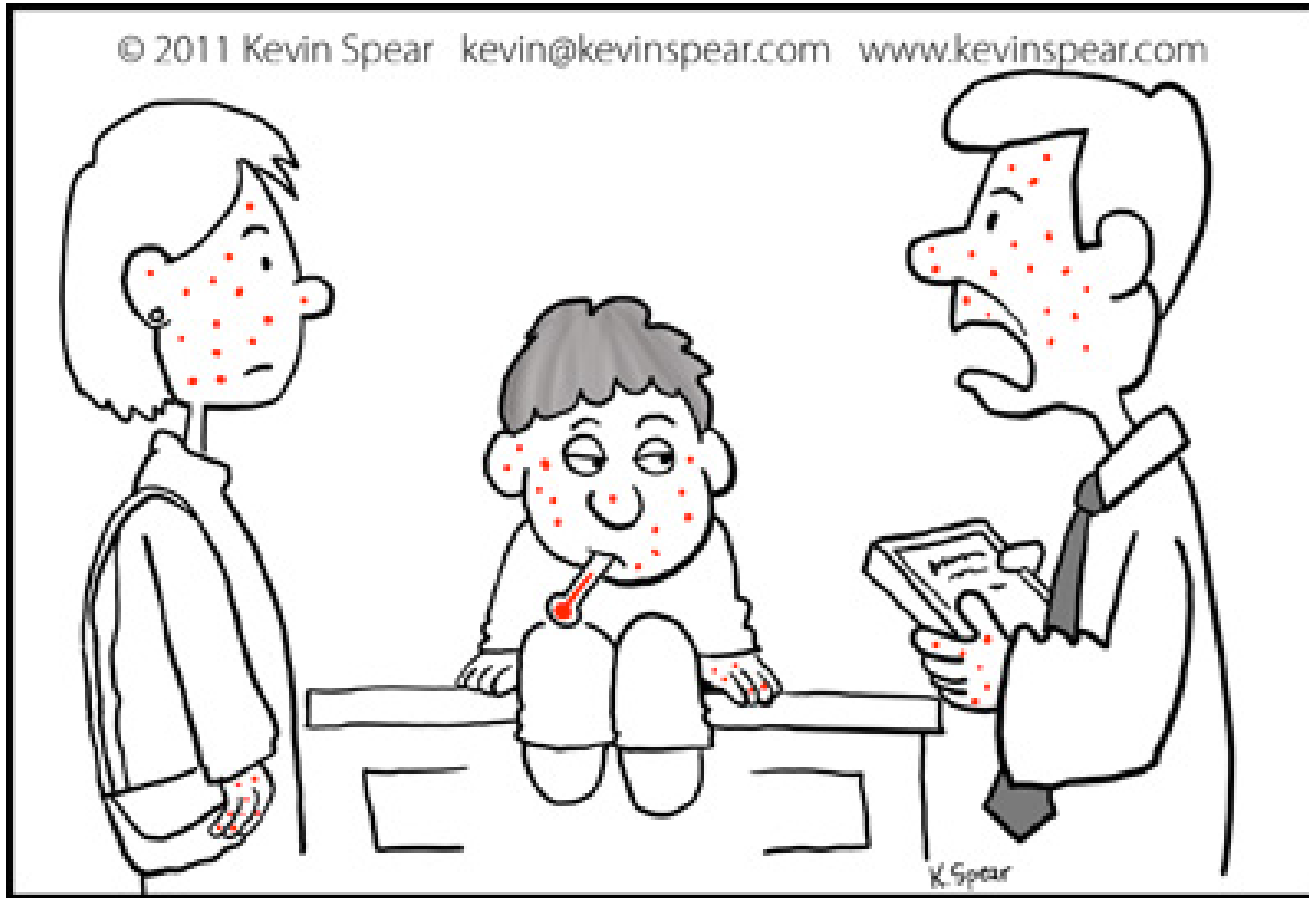
#### Data Notes

How To Download Data

# Communicable Disease Activities, DCoDPH

- ▶ Foodborne illnesses - Collaborations with DCoDPH Environmental Health
- ▶ Sexually transmitted infections:
  - ▶ Expanded nucleic acid amplification testing for oral and rectal gonorrhea and chlamydia in STI clinic and Testing Only
  - ▶ Implemented rapid syphilis testing; UNC MATRix project to reach more at-risk networks for syphilis and HIV
- ▶ HIV: Increased PrEP access with Lincoln Community Health Center
- ▶ Hepatitis C: Increased testing in clinics and community; UNC FOCUS project for testing and linkage-to-care

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“Well whatever he has, it’s contagious.”

# Questions