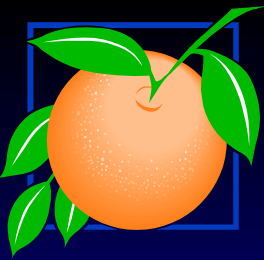


**Work Session**

**Needle Exchange Program**

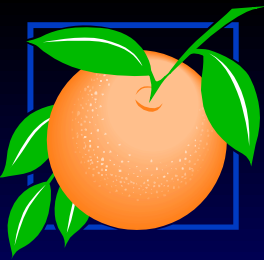
**Orange County Health Services  
Department**

**February 11, 2020**



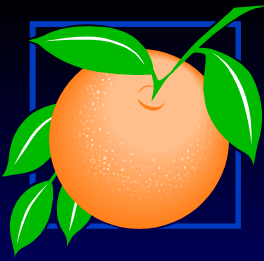
## Presentation Objectives

- Infectious Disease Elimination Act
- Needle Exchange Program Ordinances in Florida
- What is a Needle Exchange Program
- Determining Need for a Needle Exchange Program
- Overview of HIV, Hepatitis C, Hepatitis B, and Mode of Transmission
- Orange County Initiatives to Address HIV
- Examples of Needle Exchange Programs



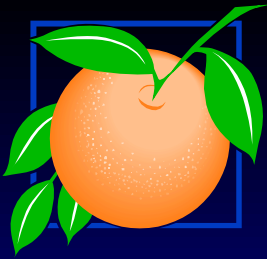
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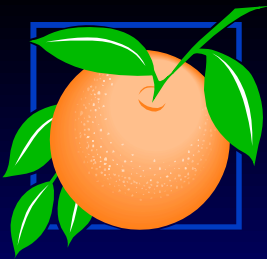
## Infectious Disease Elimination Act (IDEA)

- June 26, 2019 Governor DeSantis approved the **Infectious Disease Elimination Act**, Section 381.0038, Florida Statutes.
- Allows county commissions to authorize a sterile needle and syringe exchange program to operate within county boundaries.
- The goal of the program is the prevention of disease transmission through the free exchange of clean, unused needles for used needles.



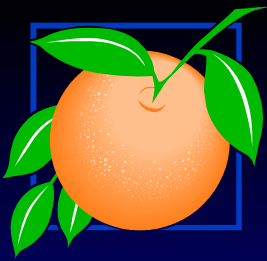
## Infectious Disease Elimination Act (IDEA)

- Before an exchange program may be established, a County Commission must:
  1. Authorize the program under the provisions of a county ordinance;
  2. Enter into a letter of agreement with the Florida Department of Health agreeing to operate any exchange program in accordance with the IDEA;
  3. Enlist the local county health department to provide ongoing advice, consultation, and recommendations for the operation of the program; and



## Infectious Disease Elimination Act (IDEA) Cont.

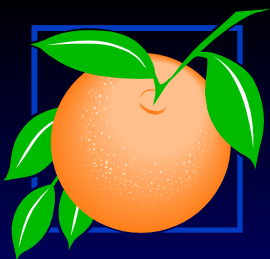
4. Contract with one of the following entities to operate the program:
  - a. A hospital licensed under chapter 395.
  - b. A health care clinic licensed under Part X of Chapter 400.
  - c. A medical school in this state accredited by the Liaison Committee on Medical Education or the Commission on Osteopathic College Accreditation.
  - d. A licensed addictions receiving facility.
  - e. A 501(c)(3) HIV/AIDS service organization.



# Infectious Disease Elimination Act (IDEA) Cont.

## Exchange Program Requirements:

1. Develop an oversight and accountability system;
2. Provide for maximum security of exchange sites;
3. Operate a one-to-one exchange;
4. Make available educational materials regarding the transmission of HIV, viral hepatitis, and other blood-borne diseases;
5. Provide onsite counseling or referrals for drug abuse prevention, education, and treatment;
6. Provide onsite HIV and viral hepatitis screening or referrals;



## Infectious Disease Elimination Act (IDEA) Cont.

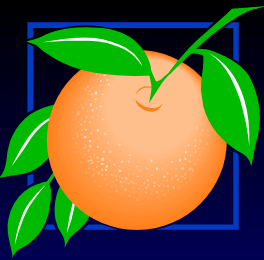
### Exchange Program Requirements Continued:

6. Provide kits containing an emergency opioid antagonist, or referrals; and
7. Collect data for annual reporting purposes.

### Funding:

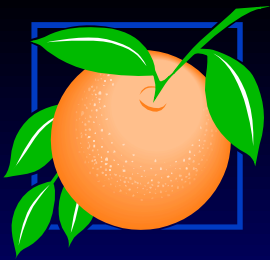
State, county, or municipal funds may not be used to operate an exchange program. Exchange programs shall be funded through grants and donations from private resources and funds.





# Presentation Objectives

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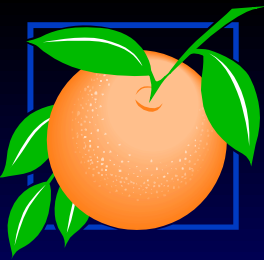


## NEP Ordinances in Florida

According to the Florida Department of Health, as of December 2019 the following counties have passed ordinances:

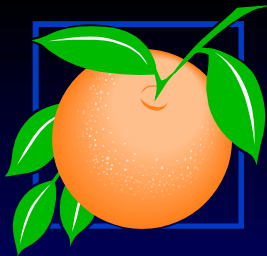
1. Broward
2. Leon
3. Manatee
4. Miami-Dade
5. Palm Beach

Hillsborough County is drafting an ordinance for approval.



# Presentation Objectives

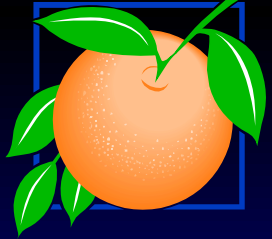
- Infectious Disease Elimination Act
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## What is a needle exchange program (NEP)?

The Centers for Disease Control and Prevention (CDC) define needle exchange programs (NEP) as “community-based prevention programs that can provide a range of services, including linkage to substance use disorder treatment; access to and disposal of sterile syringes and injection equipment; and vaccination, testing, and linkage to care and treatment for infectious diseases.”

**Source:** <https://www.cdc.gov/ssp/index.html>



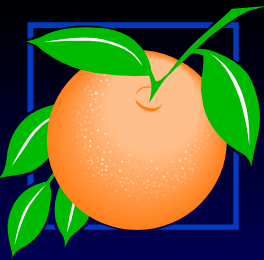
# What does a NEP look like?

Vaccines for diseases like Hepatitis A and B and testing for diseases like HIV and Hepatitis C

Counseling on treatment and prevention of HIV and Hepatitis B and C. Referral to substance use treatment programs, medical care, mental health services, and other support services

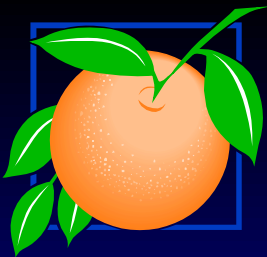
Access to and safe disposal of sterile syringes and injection equipment





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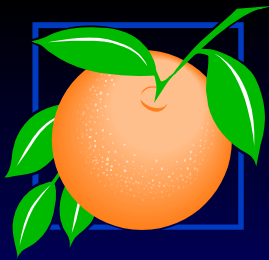
## Determining Need for a Needle Exchange Program

According to the Centers for Disease Control and Prevention, surveillance data shows increases in:

- HIV infections
- Acute Hepatitis B virus (HBV)
- Acute Hepatitis C virus (HCV)

and

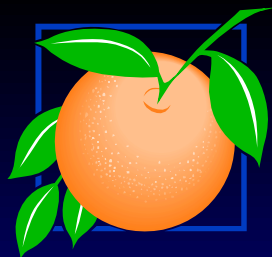
- Evidence that the increase in infection resulted from injection drug use.



# Presentation Objectives

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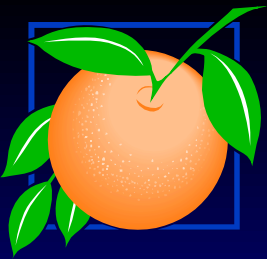


## Orange County Statistics: HIV

### HIV Cases, per 100,000 population, 2018

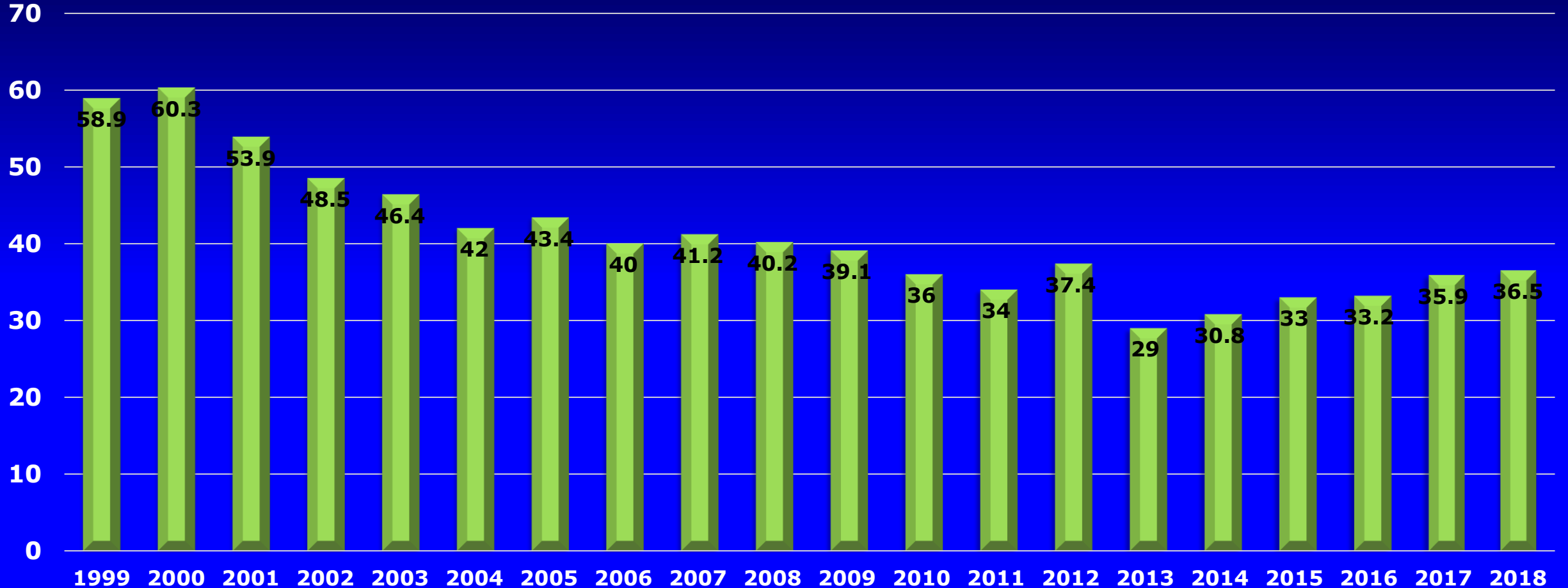
County	Count	Denominator	Rate	Mov (+/-)
Florida	4,906	20,957,705	23.4	0.7
Broward	661	1,903,210	34.7	2.6
Miami-Dade	1,224	2,804,160	43.6	2.4
Orange	500	1,370,447	36.5	3.2

**Source:** Florida CHARTS

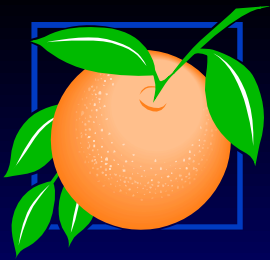


# HIV Statistics in Orange County

Orange County Rates (per 100,000)

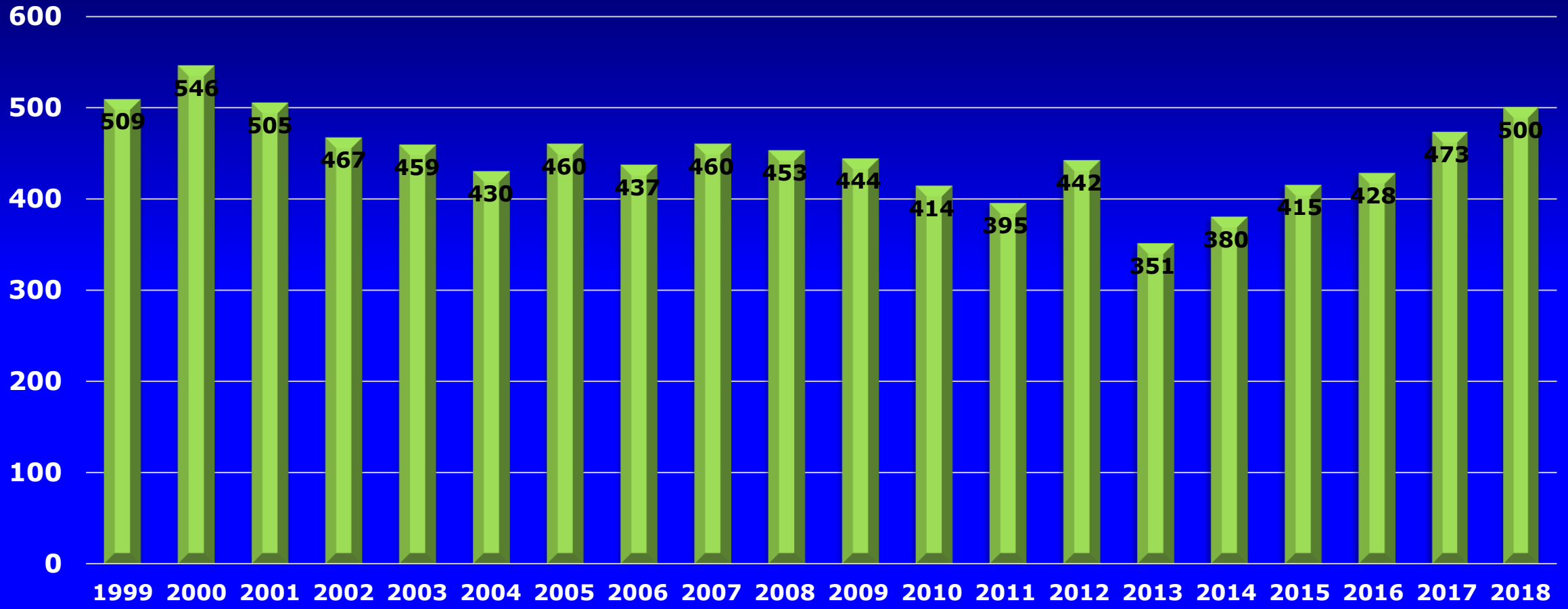


Source: FloridaCHARTS

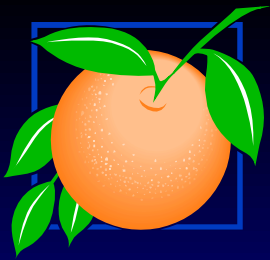


# HIV Statistics In Orange County Cont.

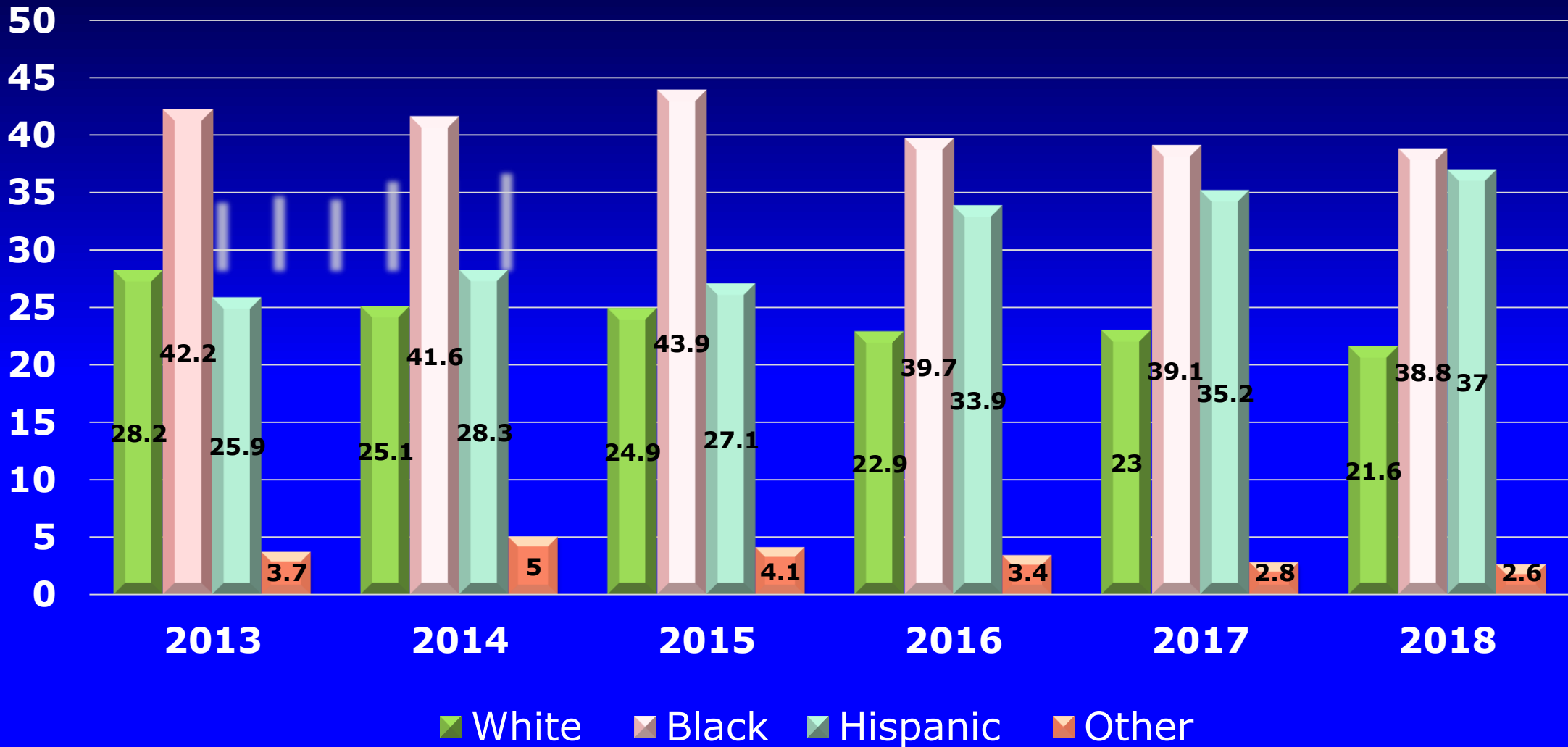
## Orange County Newly Diagnosed HIV Cases



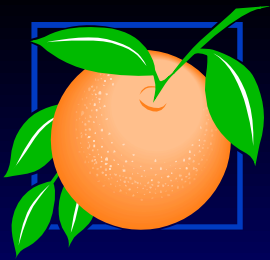
Source: FloridaCHARTS



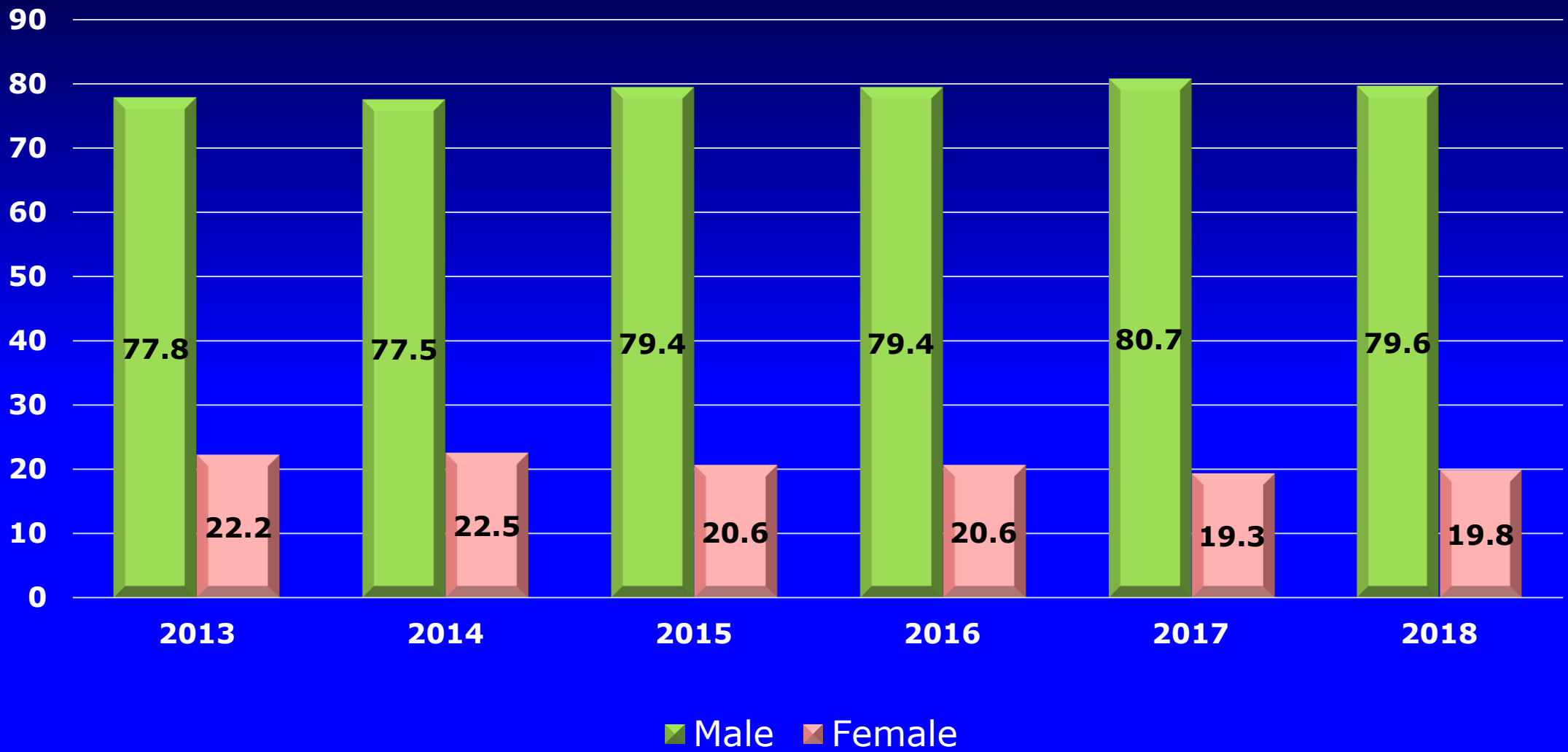
# New HIV Cases by Race/Ethnicity 2013-17



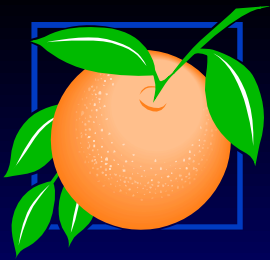
Source: Florida Department of Health



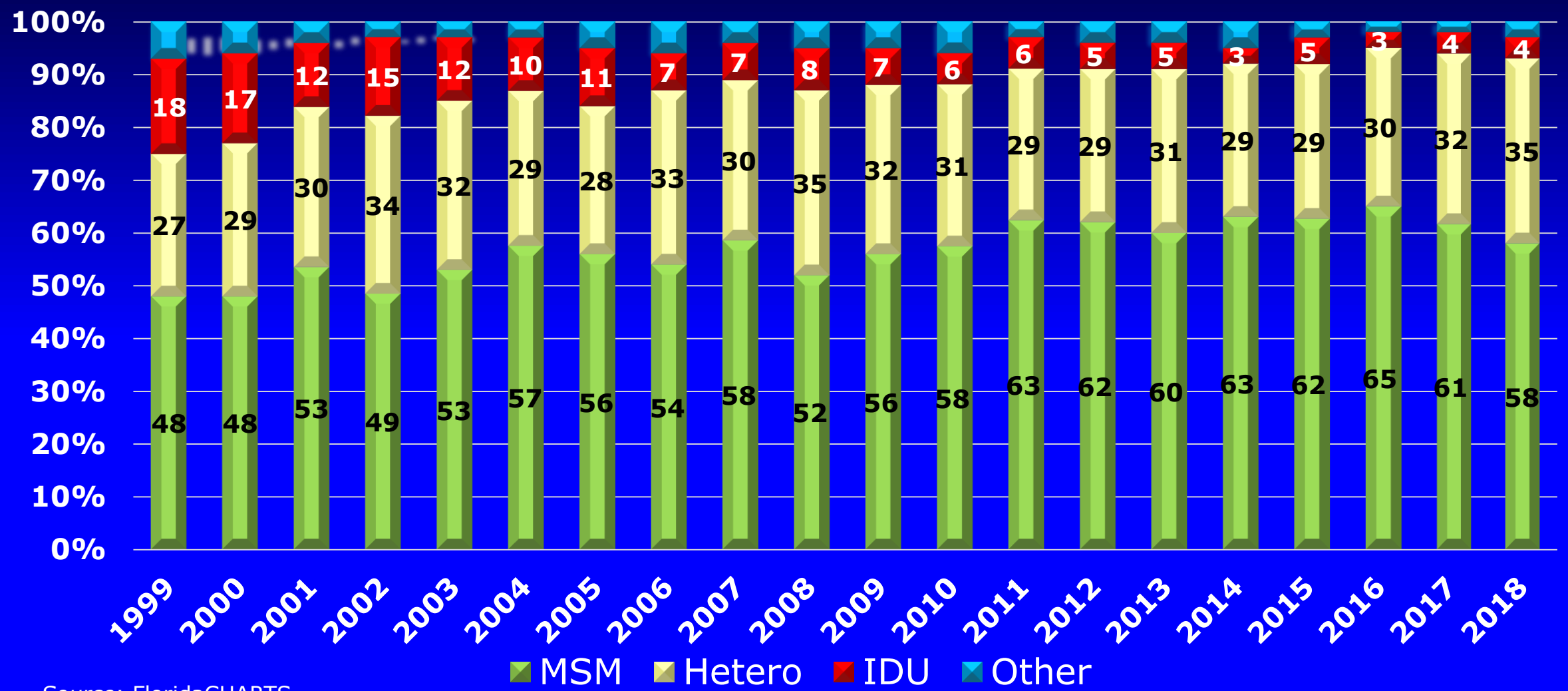
# New HIV Cases by Gender 2013-17



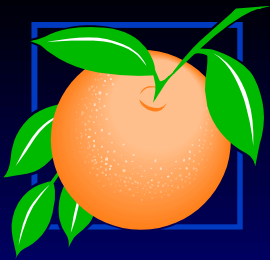
Source: Florida Department of Health



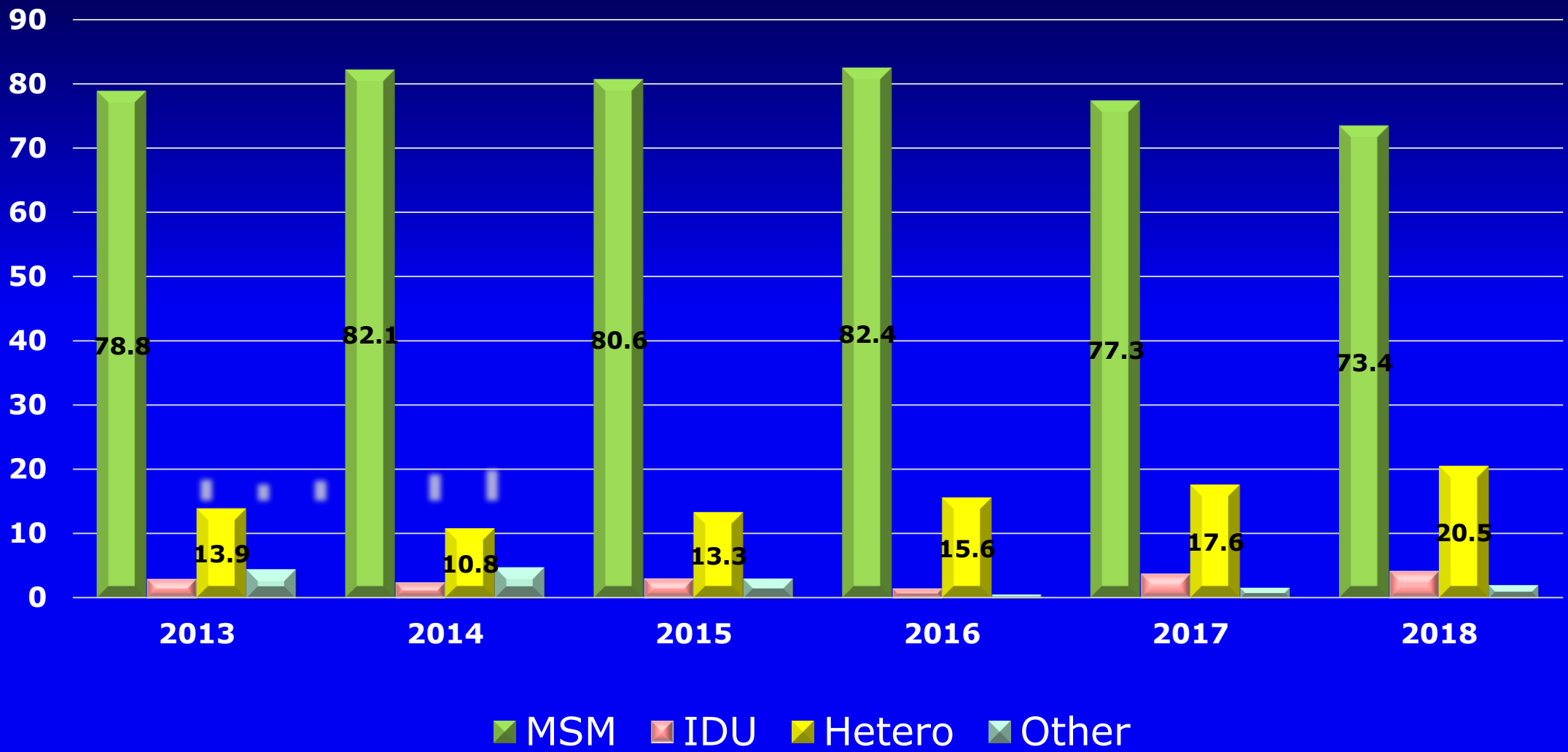
# HIV Modes of Transmission/Risk Factors



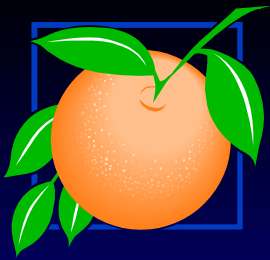
Source: FloridaCHARTS



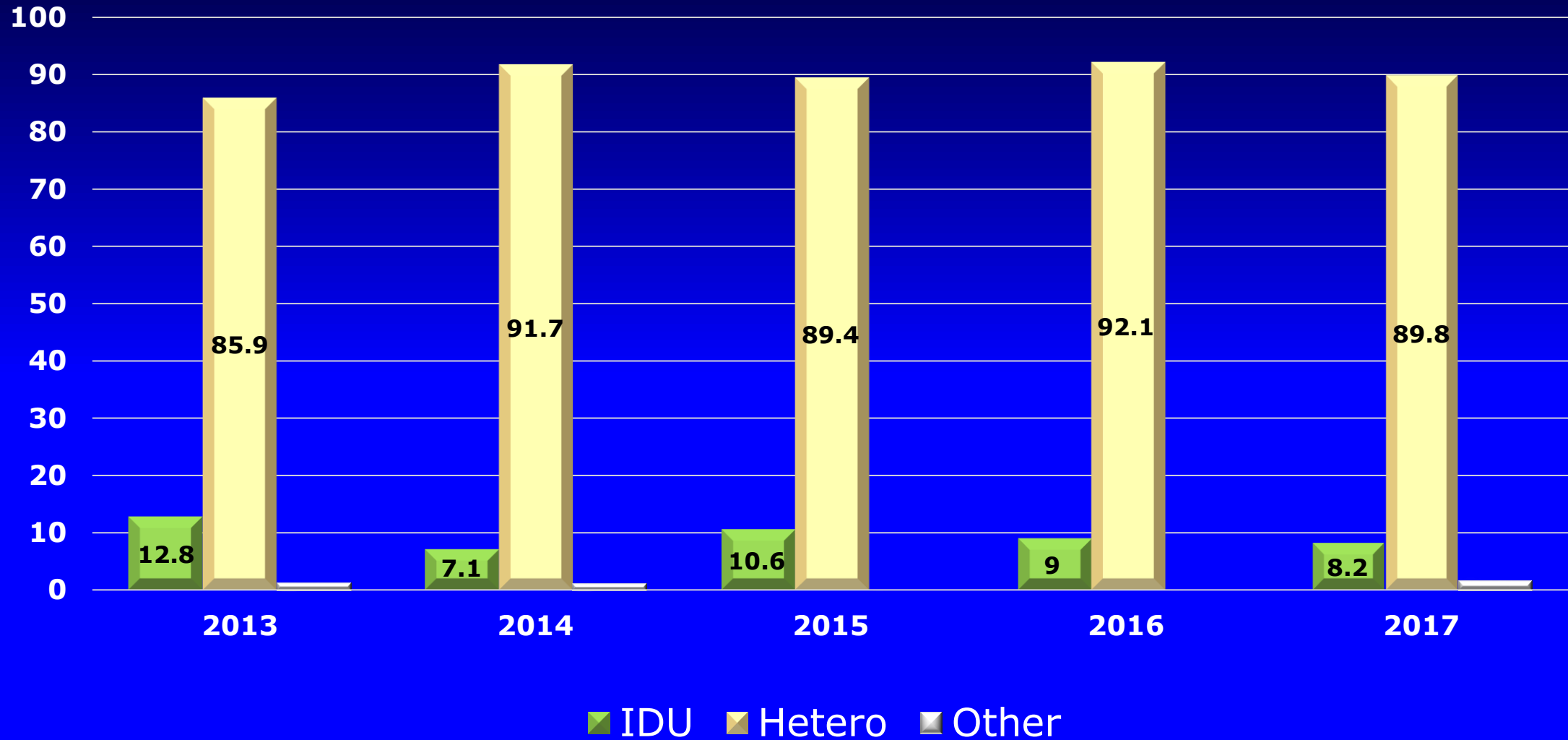
# Male HIV Exposure/Risk Factors



Source: Florida Department of Health

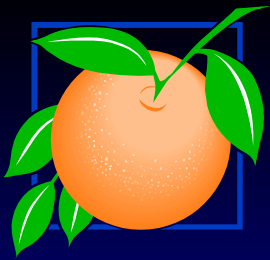


# Female HIV Exposure/Risk Factors

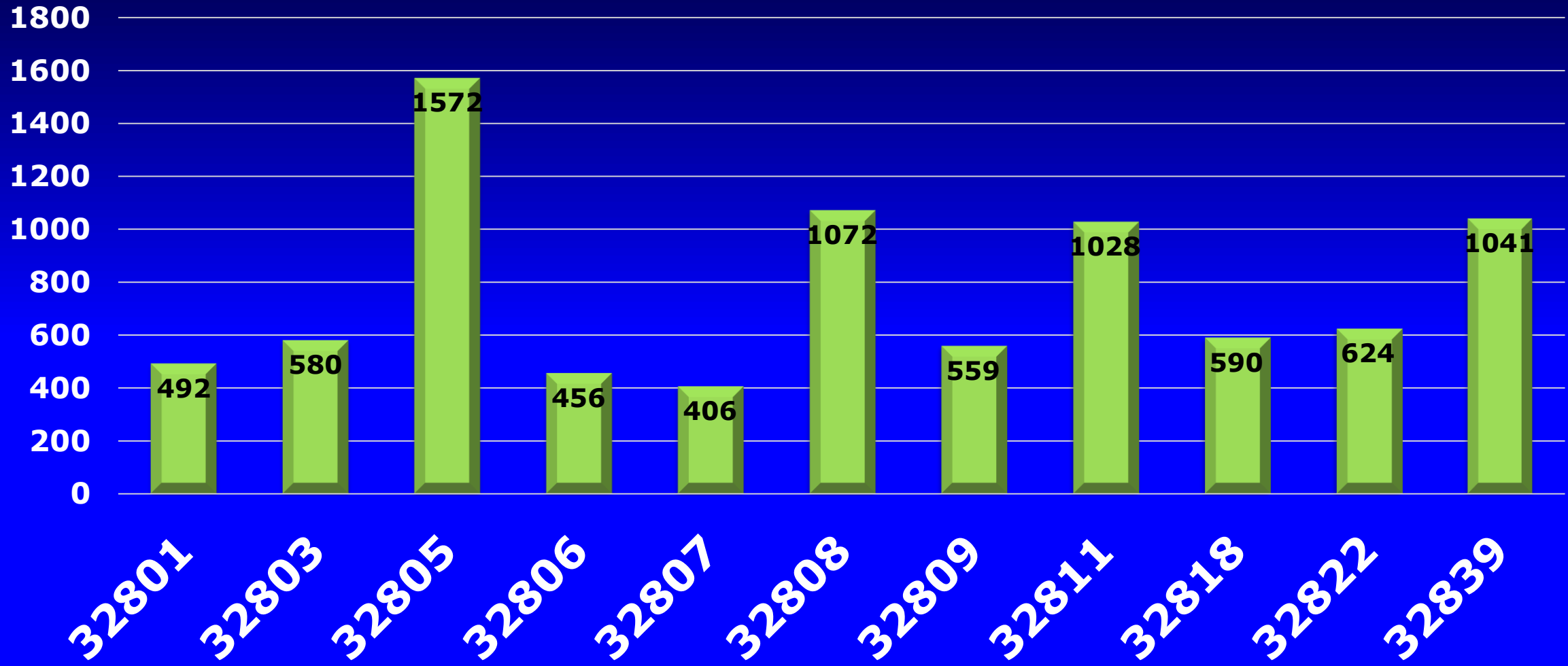


Source: Florida Department of Health

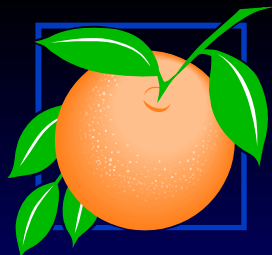




# New HIV Cases by Zip Code of Residence 2013-2018

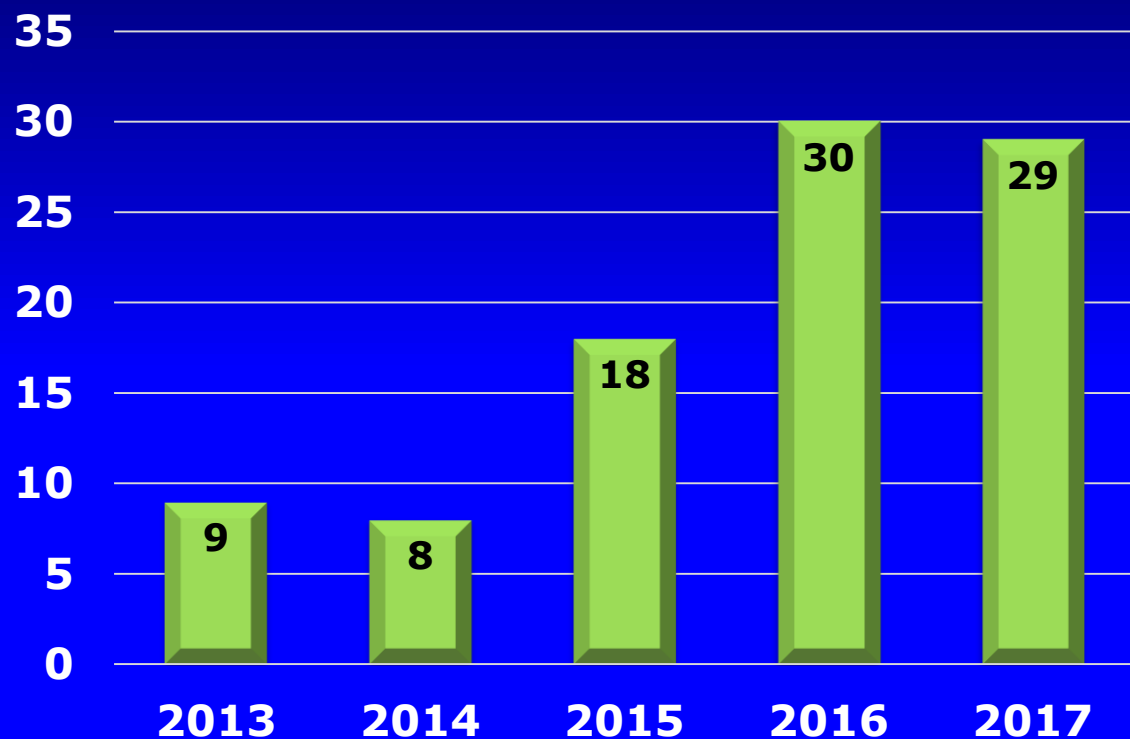


Source: Florida Department of Health

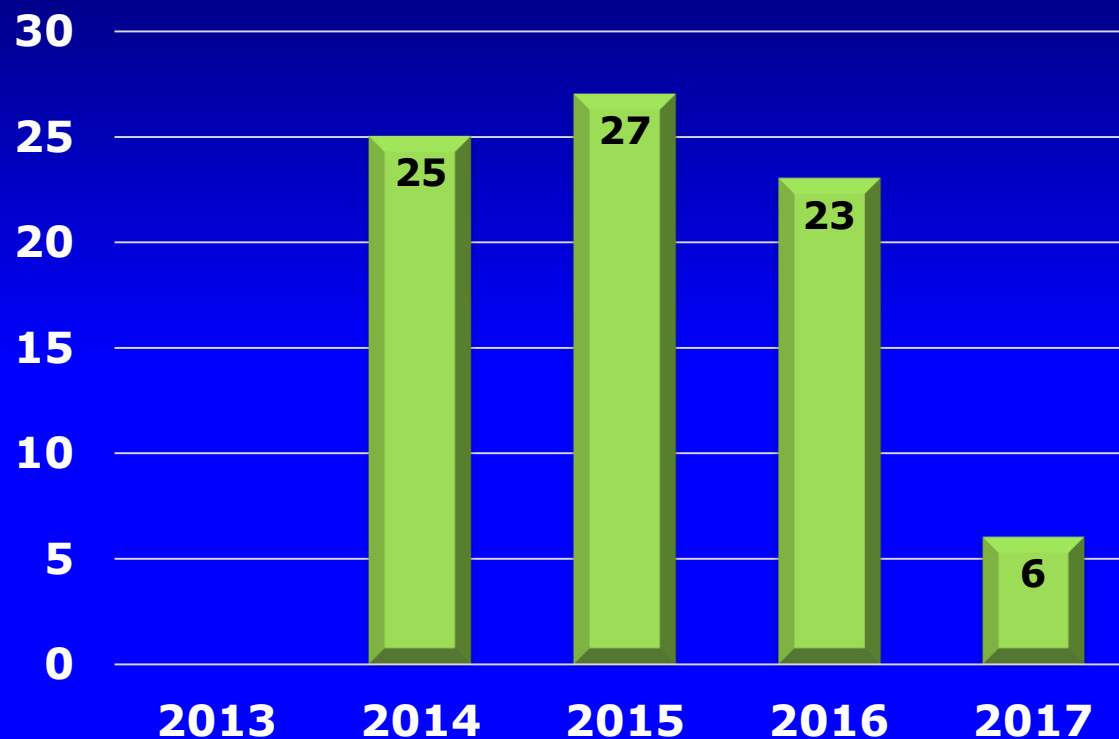


# Orange County: Acute Hepatitis B

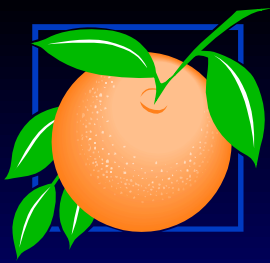
## Acute Hepatitis B Cases



## Risk Factors: % IV Drug Use

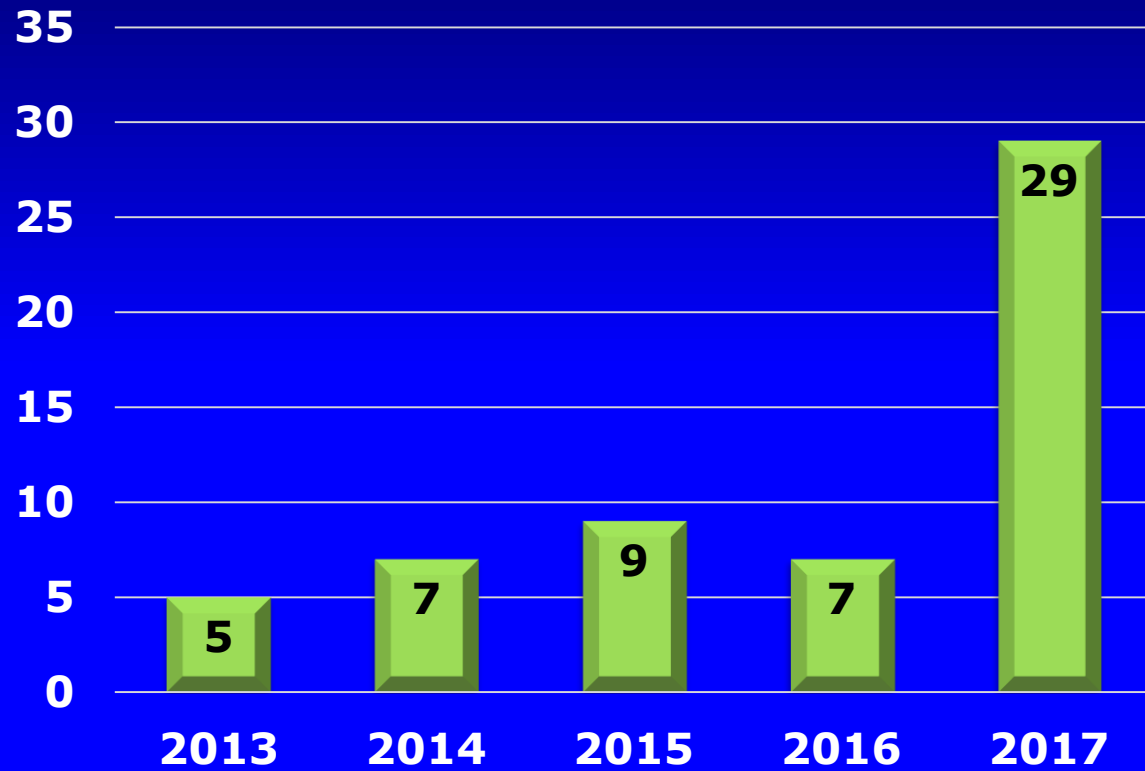


Source: Florida Department of Health

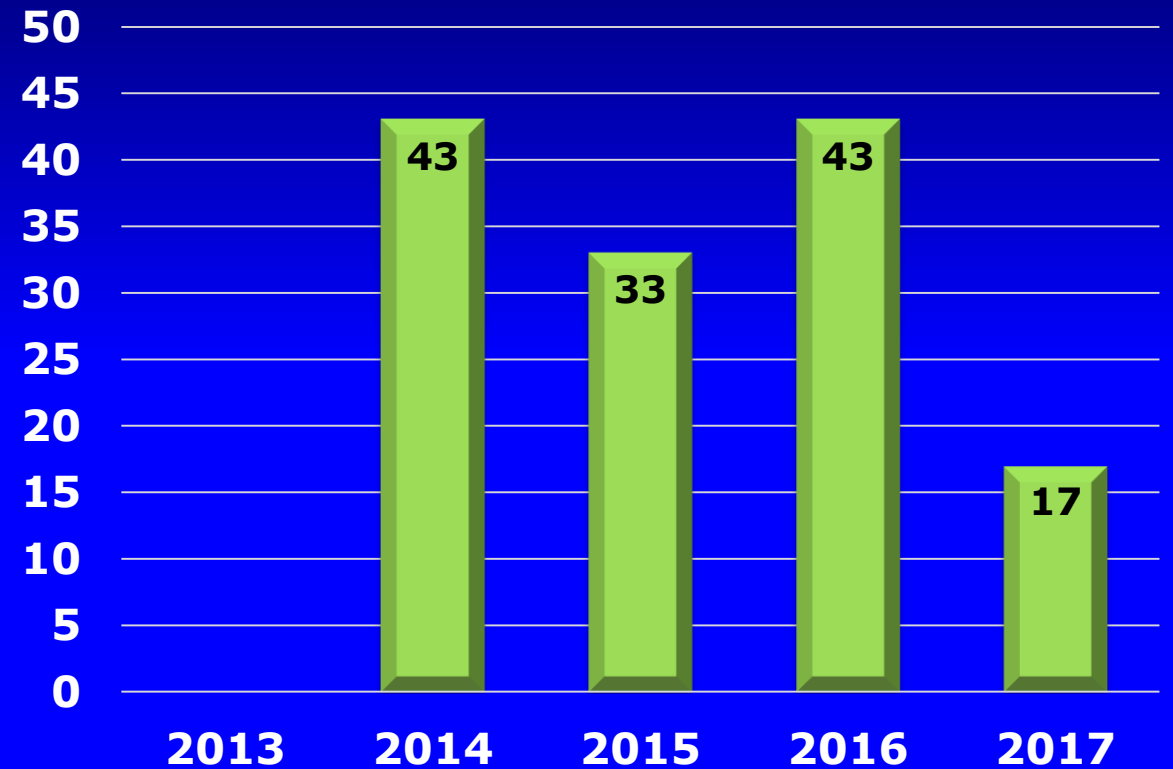


# Orange County: Acute Hepatitis C

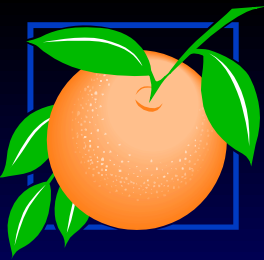
## Acute Hepatitis C Cases



## Risk Factors: % IV Drug Use

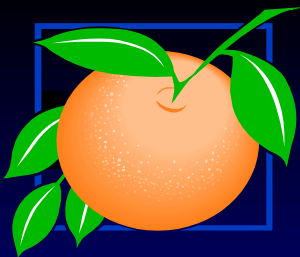


Source: Florida Department of Health



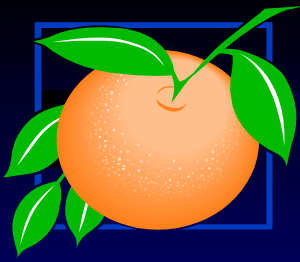
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- Examples of Needle Exchange Programs



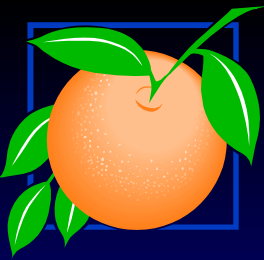
## Orange Count Initiatives to Address HIV

- Health Resources and Services Administration (HRSA) Ryan White Part A
  - In 2019 Orange County received \$10 million to provide HIV services to a four-county area
    - Increase number of HIV+ clients in care
    - Increase viral suppression
    - Identify the “hardest-to-reach” cases
    - Increase testing and linkage to care for incarcerated individuals
    - Increase awareness and education through a single website for all HIV information (testing, care, PreP, etc.)
    - Educate community providers on new HIV treatment protocols
    - Increase outreach through OC Medical Clinic for testing and referral



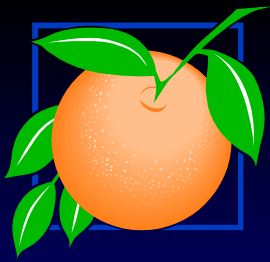
## Orange Count Initiatives to Address HIV Cont.

- Housing Opportunities for Persons Living with AIDS (HOPWA) Program. In 2018, more than 1,000 individuals received housing assistance through the program.
- Ending the HIV Epidemic: A Plan for America (HRSA Funding Opportunity)
  - Treat people with HIV rapidly and effectively to reach sustained viral suppression
  - Respond quickly to potential HIV outbreaks to get needed prevention and treatment services to people who need them.



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## IDEA Exchange Pilot: Miami-Dade County

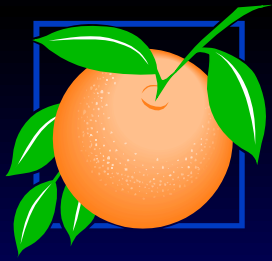
- Miami-Dade Needle Exchange Pilot Program
- Between 12/1/16 and 7/8/19
  - enrolled 1,147 participants
  - Received 348,062 used needles
  - Distributed 334,876 unused needles
- Not enough data to determine impact on HIV and Hepatitis

Source:

Hansel Tookes, MD, MPH

Assistant Professor of Clinical Medicine, University of Miami, Miller School of Medicine

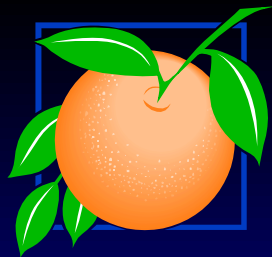




## Efficacy of Needle Exchange Programs

There are currently over 300 needle exchange programs across the United States with varying levels of success:

- **Baltimore, Maryland** - There was a large decrease in the proportion of newly diagnosed *HIV cases attributed to injection drug use* from 62.6% in 1994 to 10.0% in 2017.
- **New York City, New York** - Between 1990 to 2002 the *HIV prevalence attributed to injection drug use* decreased from 50% to 17%.
- **Tacoma, Washington** - NEP participation was associated with more than 80% reduction in incidence of Hepatitis infections attributed to injection drug use.



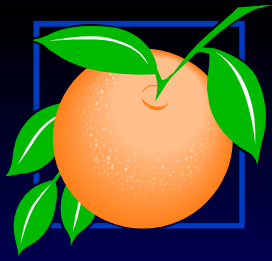
## Determining Need for Needle Exchange Program

Orange County surveillance data shows:

- ✓ HIV infections
- ✓ Acute Hepatitis B virus (HBV)
- ✓ Acute Hepatitis C virus (HCV)

However,

- No evidence that the increase in infection resulted from injection drug use



## Questions and Next Steps

- Questions
- Next Steps
  - Staff requests Board input on whether to proceed with the development of an ordinance authorizing a Needle Exchange Program in Orange County.