

# Let's **STOP** **HIV** Together



## Epidemiology Profile

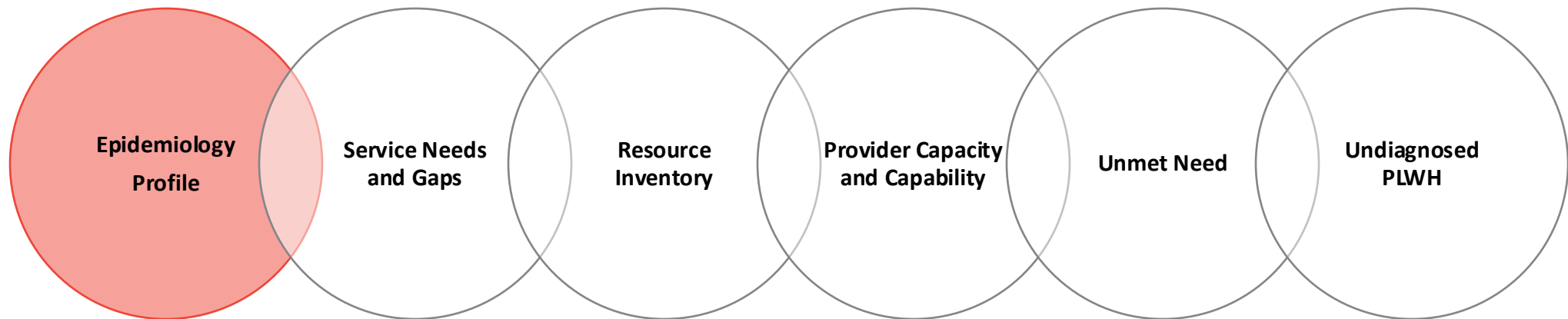
Prepared for Data Presentation: September 20, 2024



# What is Epidemiology?

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- The number and characteristics of people in an area who have been diagnosed with HIV.
- Important for tracking how the epidemic is changing over time! (trends)





# Purpose

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- **Provides a profile of HIV disease within the Orlando Service Area**
- **Provides the opportunity for data-driven conversation to enable informed decision-making with the goal of improving health outcomes for all persons living with HIV disease in the Orlando Service Area (OSA)**



# Technical Notes

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- Data for 2019-2023 has not yet been approved by FDOH Leadership and should be viewed as DRAFT for the purposes of internal program planning.
- This presentation includes epidemiology data as of June 30, 2024.
- Data for the year 2020 and 2021 should be interpreted with caution due to the impact of the COVID-19 pandemic on access to HIV testing, care-related services, and case surveillance activities.
- HIV and AIDS are diagnosed in Florida based on the case definition as described in the Technical Notes section of the CDC HIV Surveillance Report at the following link: <http://www.cdc.gov/hiv/library/reports/hiv-surveillance.html>.
- HIV diagnoses by year of diagnosis represent persons whose HIV was diagnosed in that year, regardless of AIDS status at time of diagnosis. AIDS and HIV diagnoses by year of diagnosis are not mutually exclusive and cannot be added together.
- HIV prevalence data represent persons living with an HIV diagnosis (PWH) in the area through the end of the calendar year regardless of residence at diagnosis.
- For data by year, the age is by age at diagnosis. For living data, the age is by current age at the end of the most recent calendar year, regardless of age at diagnosis.



# Technical Notes (cont.)

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- For race/ethnicity, unless otherwise noted, Whites are non-Hispanic/Latinx, Blacks are non-Hispanic/Latinx and Other represents Asian, American Indian/Alaska Native, Native Hawaiian/Pacific Islander, or Multi-race.
- For data by year, area and county data will exclude diagnoses where the residence at diagnosis was listed as Florida Department of Corrections or Federal Correctional Institution (FDC/FCI). For living data, FDC/FCI diagnoses will not be excluded from area and county data.
- Percents of total for individual populations may not sum up to 100% due to rounding.
- Gender identity is a person's understanding of their own gender. Gender identity is used to define the groups listed under Transmission Category and Special Populations.
- Comorbidity includes PWH who received a diagnosis of an additional condition in 2023
- HIV-related death data represent PWH with HIV listed as the underlying cause of death and a residence at death in this area in the period specified. These data will vary from the HIV-related deaths generated by the Office of Vital Statistics posted on FLHealthCHARTS.
- Country or territory of birth represents where a person was born and does not reflect the ancestry of that person.
- Homelessness is based on the current address at the end of the calendar year and includes addresses labeled as Homeless, Shelter, Temporary, or with a zip code of 99999.




# Transmission Category Definitions

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- MMSC: male-to-male sexual contact; the term MMSC indicates a behavior that is associated with HIV transmission
- IDU: injection drug use
- MMSC/IDU: male-to-male sexual contact and injection drug use
- Heterosexual Contact: heterosexual contact with a person living with HIV or with a known HIV risk; transgender persons or persons who identify as additional gender who had sexual contact with a person living with HIV or with a known HIV risk are excluded from this category
- Sexual Contact: transgender men or women or persons who identify as an additional gender who had sexual contact with a person living with HIV or with a known HIV risk
- Other Risk: includes hemophilia, transfusion, perinatal and other pediatric risks, and other confirmed risks





**ASK QUESTIONS**  
**USE ACTIVE LISTENING**  
**TAKE NOTES**  
**RELAX**  
**ENJOY**

# Frequently Used Terms

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- **Incidence** – the number of new cases of a disease during a specified period of time
- **Prevalence** – The total number of new and old cases in a population during a specified period of time
- **Co-Morbidities** – The presence of one or more disorders or diseases in addition to a primary disorder or disease



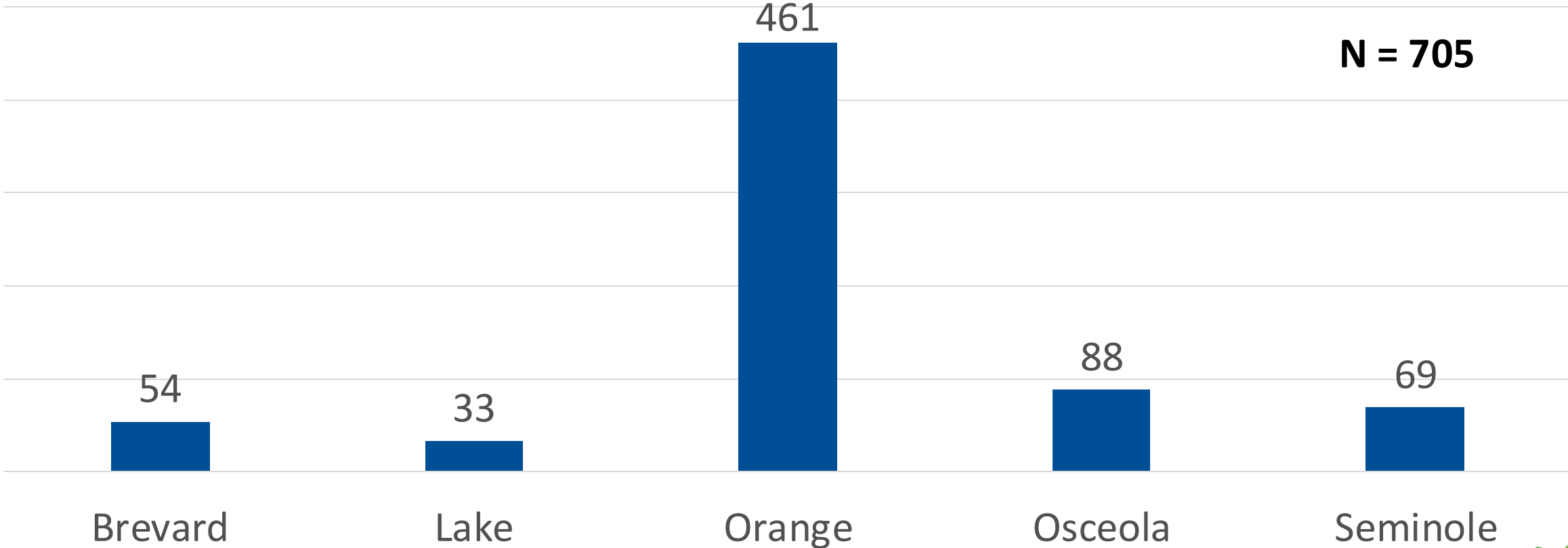


# New HIV Cases (Incidence)



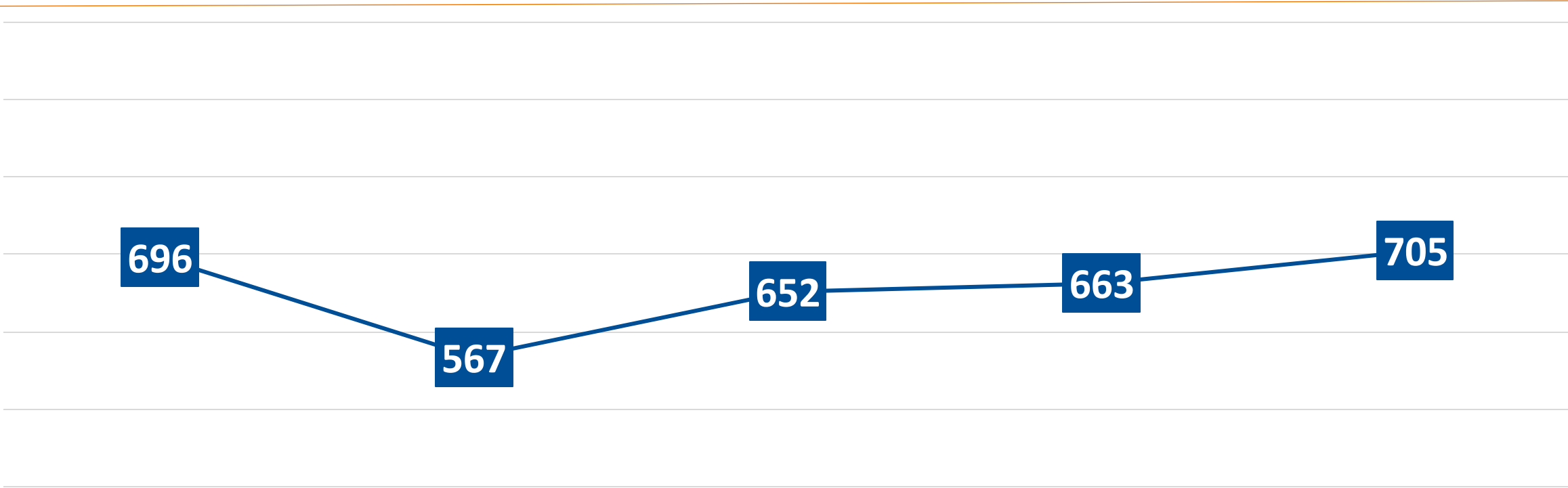
# HIV Incidence by County

Orlando Service Area, 2023



# HIV Incidence

Orlando Service Area, 2019-2023



2019

2020

2021

2022

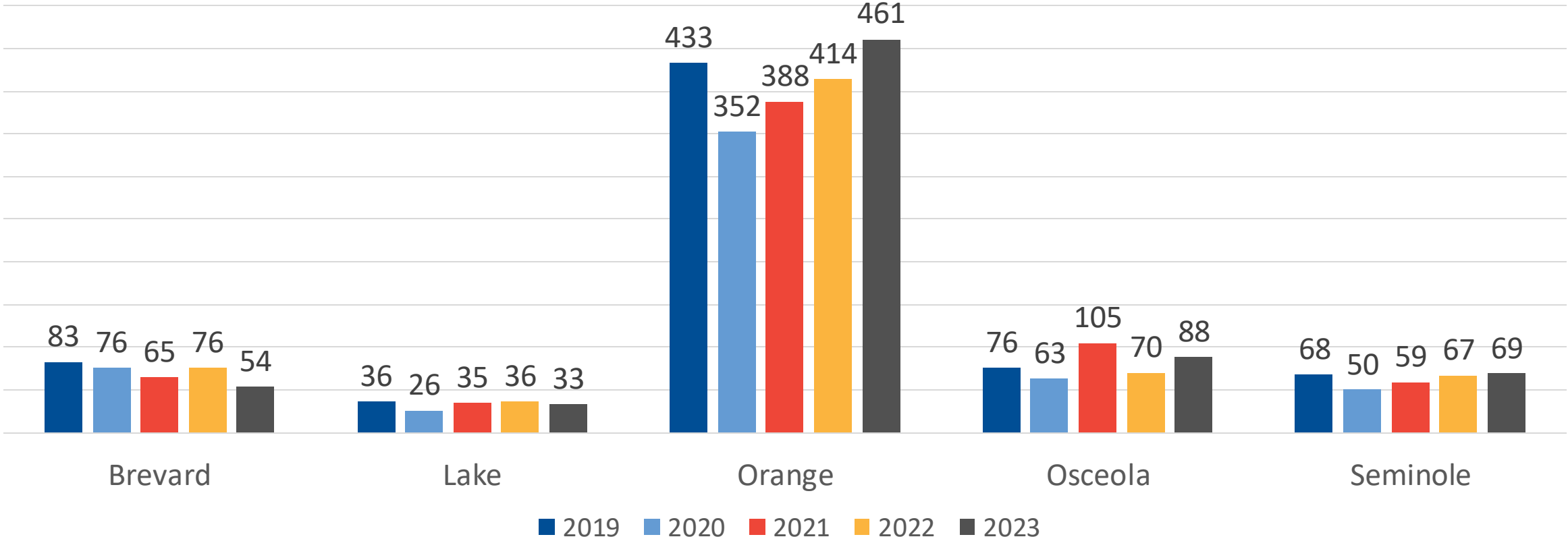
2023

1 yr change	6%
5 yr change	1%



# HIV Incidence by County

## Orlando Service Area, 2019-2023



	Brevard	Lake	Orange	Osceola	Seminole
1 yr change	-29%	-8	11	26	3
5 yr change	-35%	-8	6	16	1

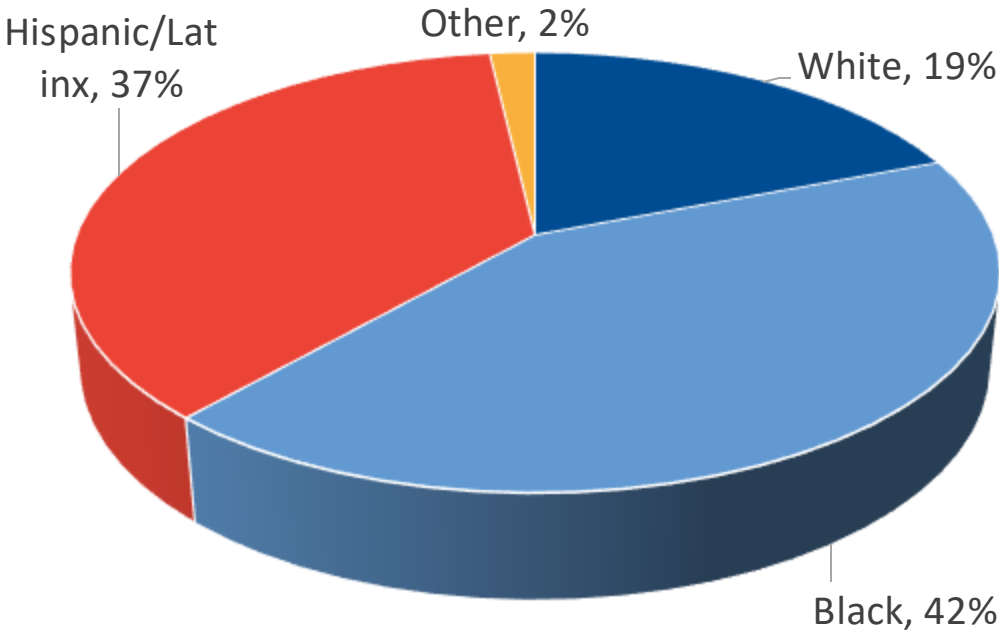
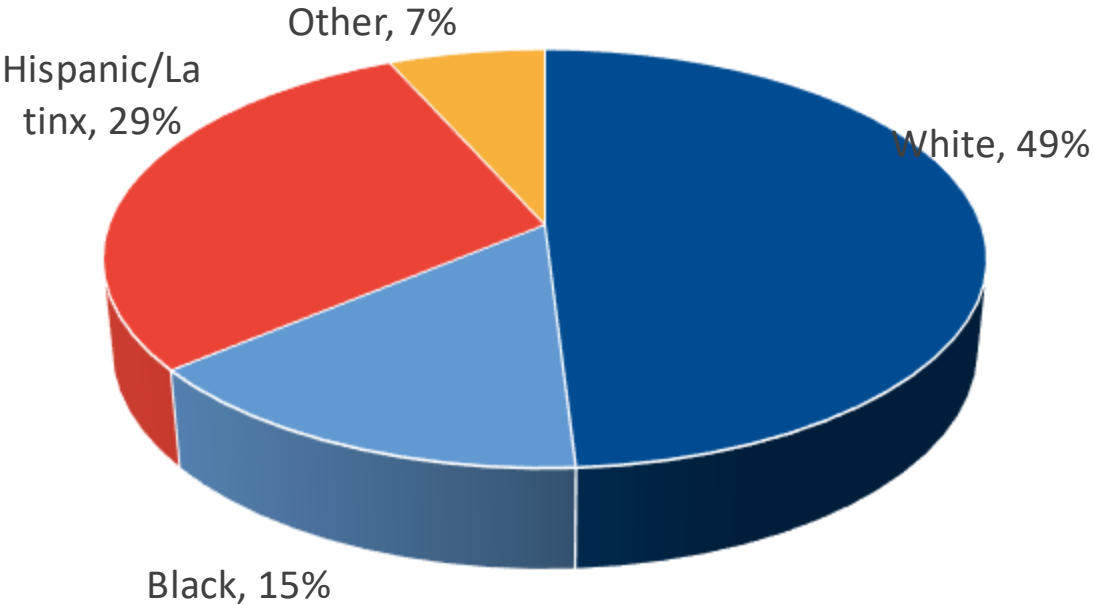


# HIV Incidence

## Total Population Compared to Service Area, 2023

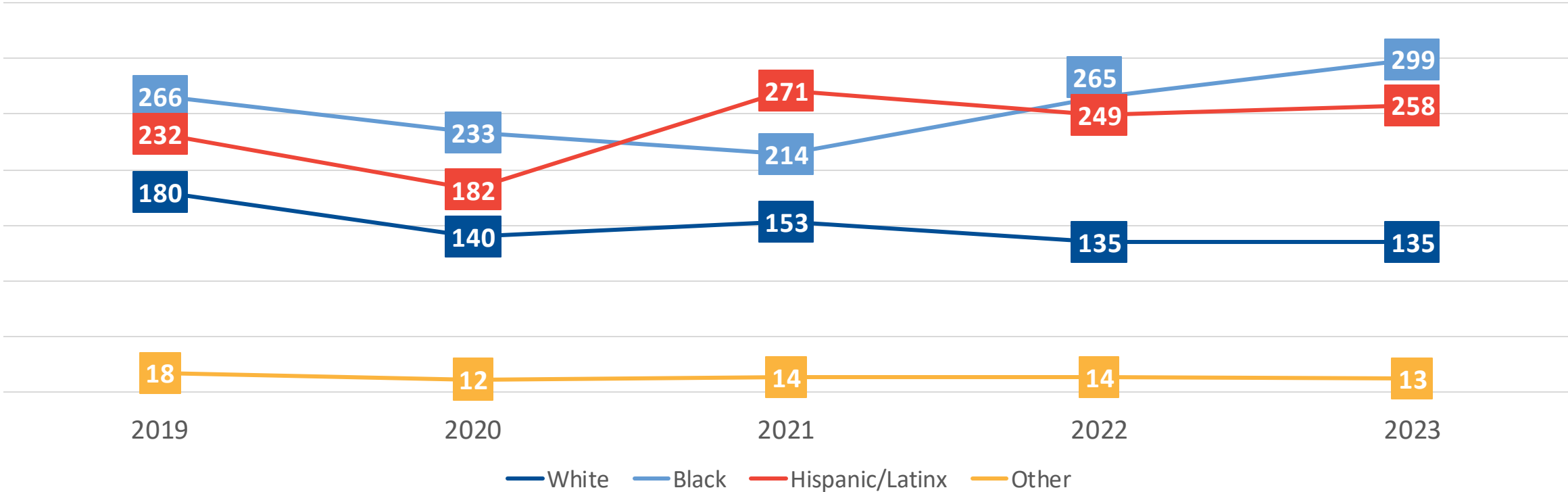
Population = 3,499,222

HIV Incidence = 705



# HIV Incidence by Race/Ethnicity

## Orlando Service Area, 2019-2023

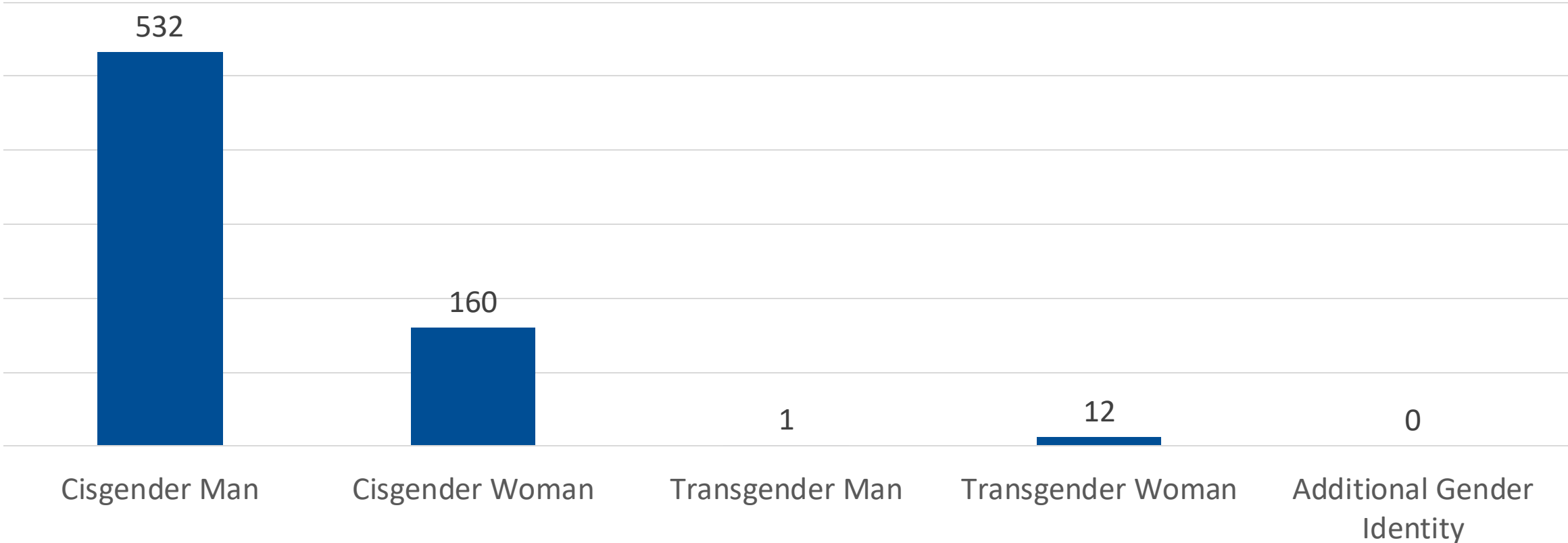


Race/Ethnicity	White	Black	Hispanic/Latinx	Other
1 yr change	0%	13	4	-7
5 yr change	-25%	12	11	-28

\*White, Black and Other categories represent Non-Hispanic groups. 'Other' includes: American Indian/Alaska Native, Asian, and Native Hawaiian/Pacific Islander and Multi-race

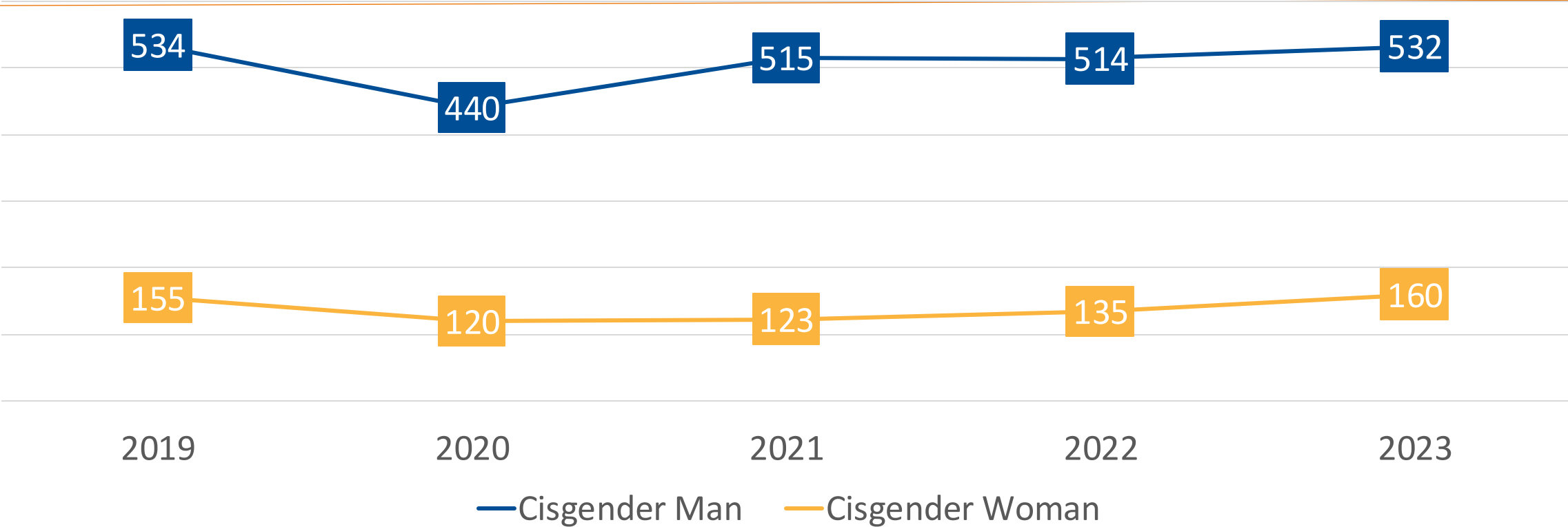


# HIV Incidence by Gender Identity Orlando Service Area, 2023



# HIV Incidence by Gender Identity

Orlando Service Area, 2019-2023



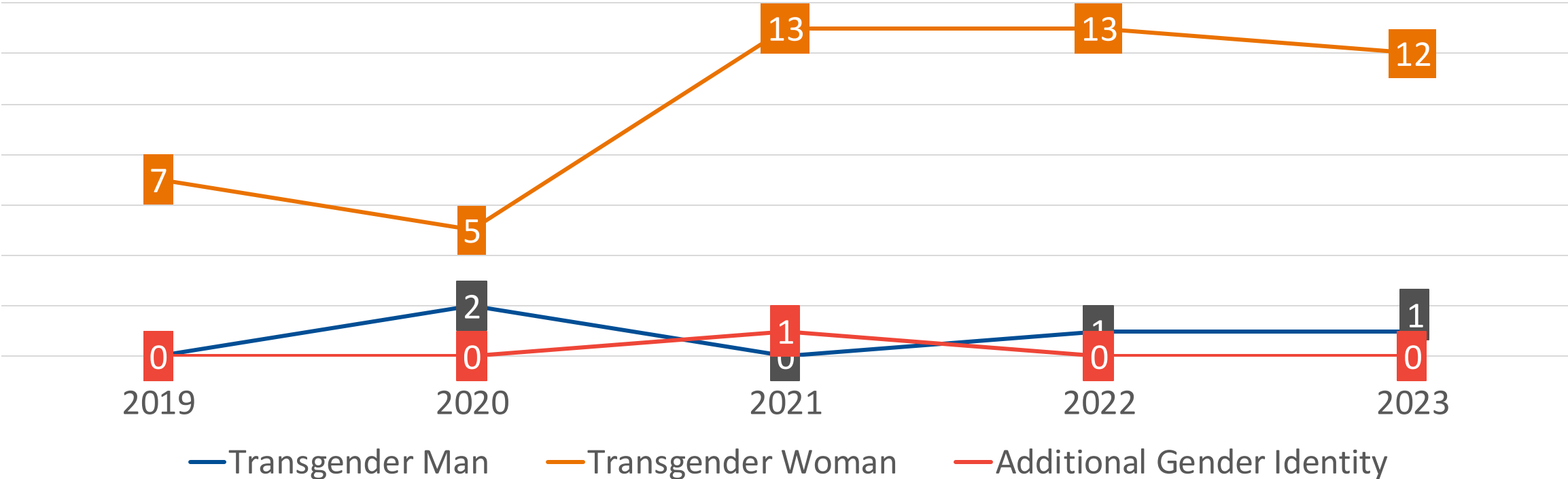
	Cis Man	Cis Woman
1 yr change	4%	19%
5 yr change	0%	3%





# HIV Incidence by Gender Identity

Orlando Service Area, 2019-2023

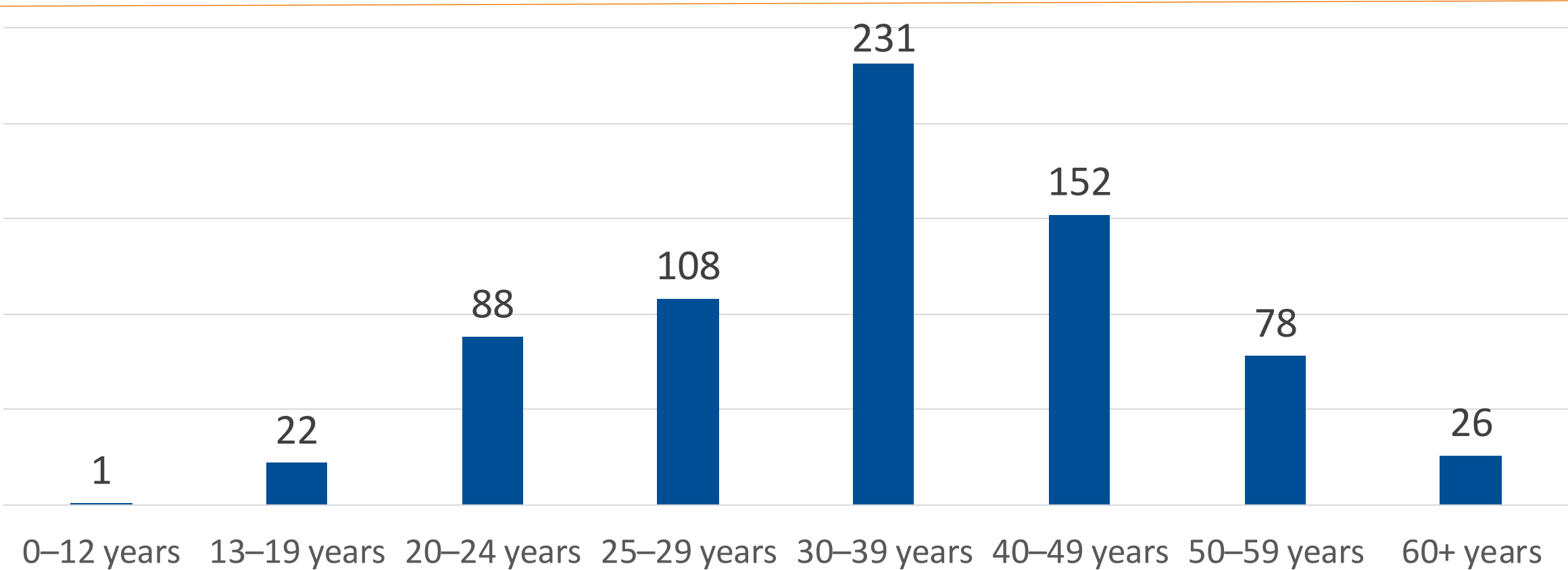


	Trans Man	Trans Woman	Additional
1 yr change	0%	-8%	-
5 yr change	-	71%	-



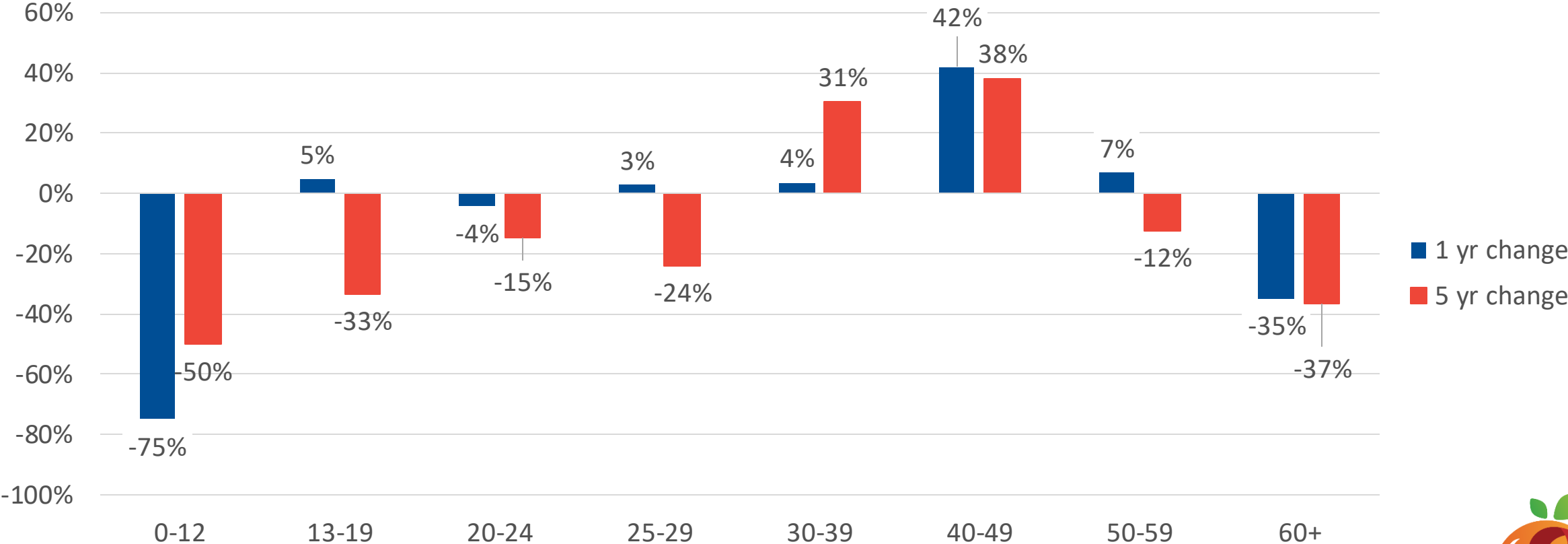
# HIV Incidence by Age Group

Orlando Service Area, 2023



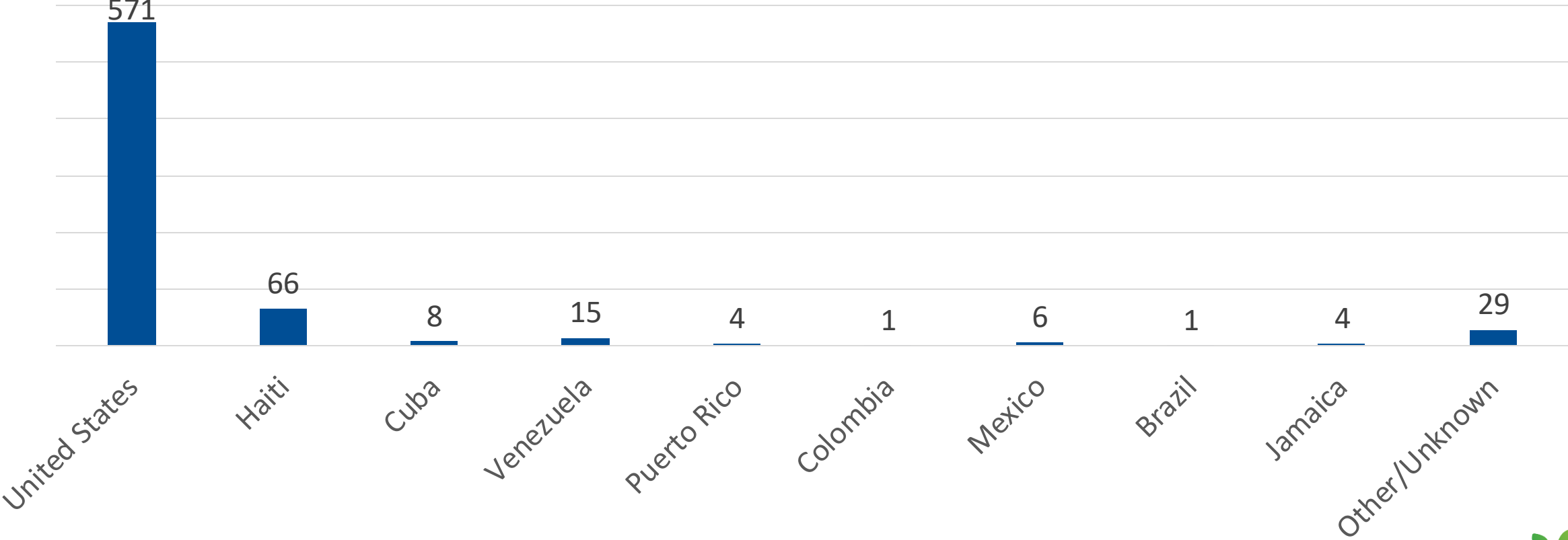
# HIV Incidence by Age Group

Orlando Service Area, 2019-2023



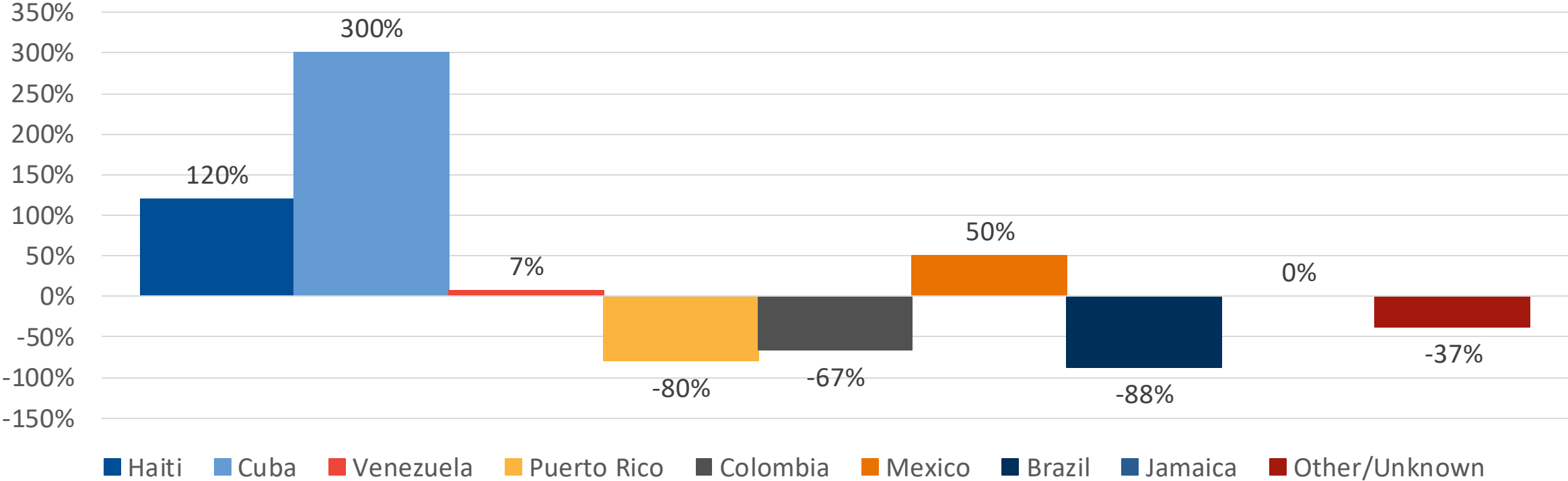
# HIV Incidence by Country/Territory of Birth

Orlando Service Area, 2023



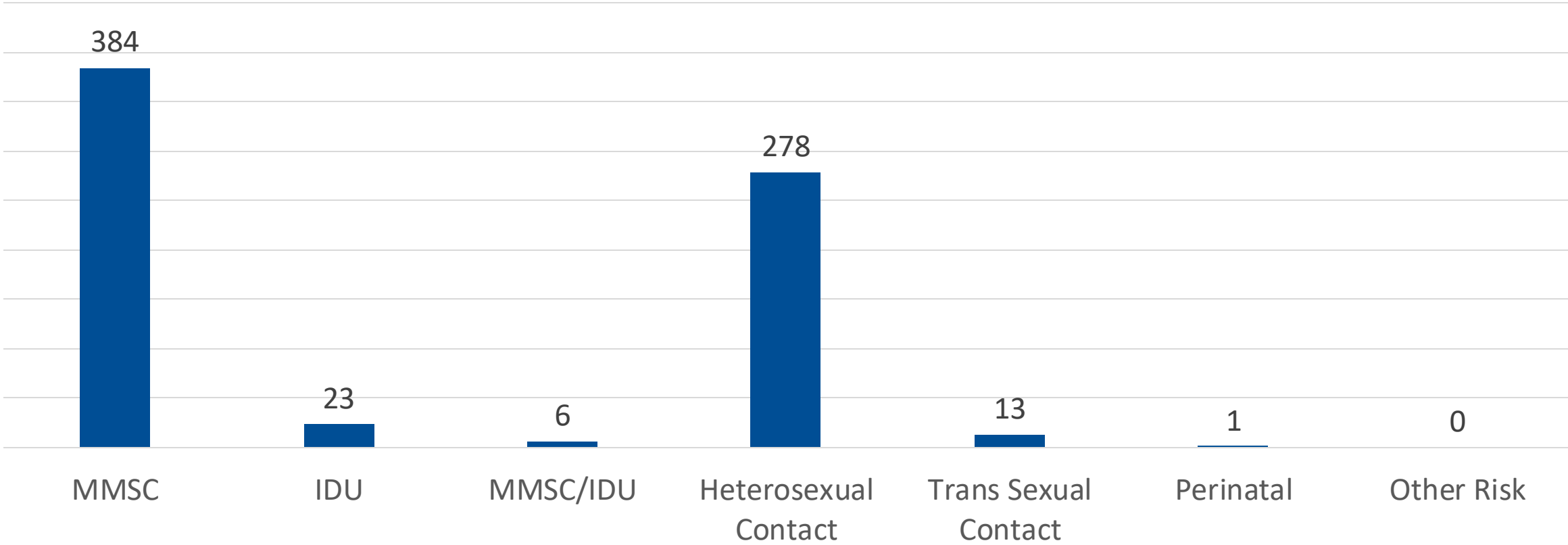
# HIV Incidence by Country/Territory of Birth

Orlando Service Area, 2019-2023



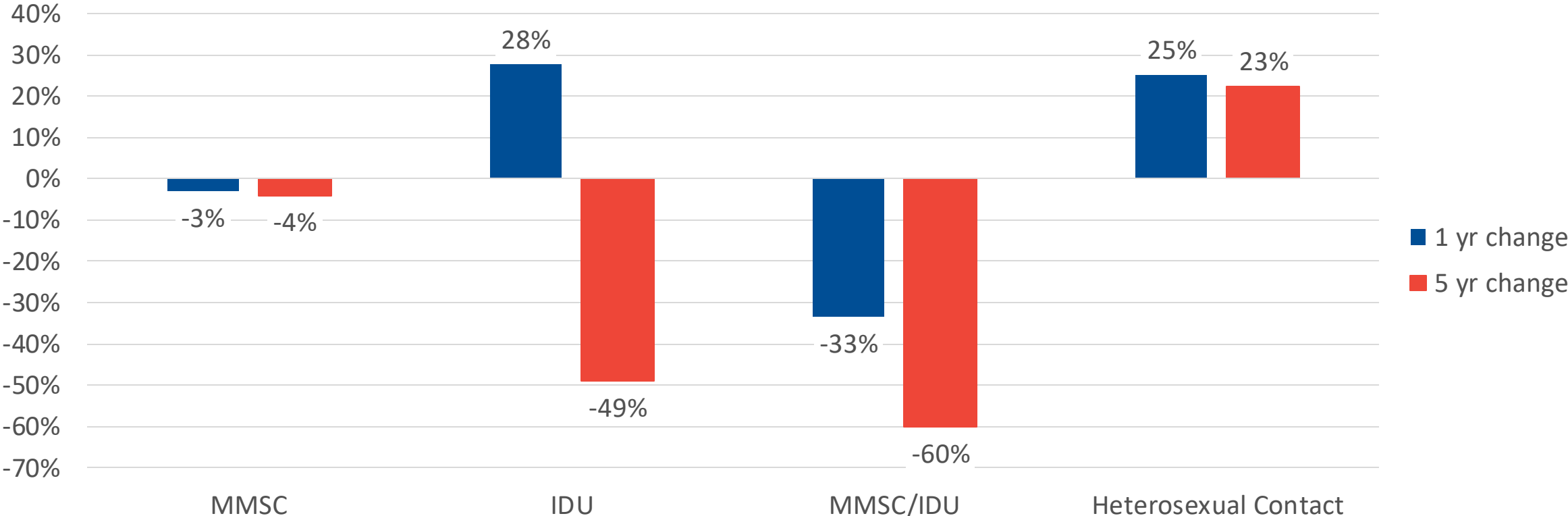
# HIV Incidence by Exposure Category

Orlando Service Area, 2023



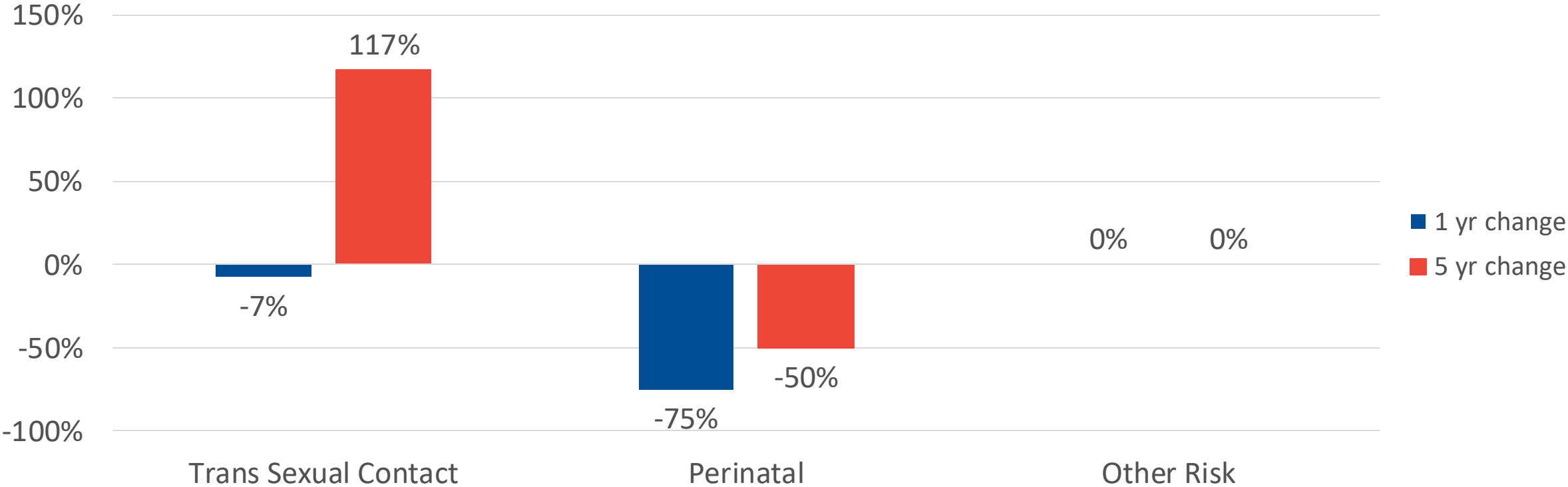
# HIV Incidence by Exposure Category

Orlando Service Area, 2019-2023



# HIV Incidence by Exposure Category (cont.)

Orlando Service Area, 2019-2023

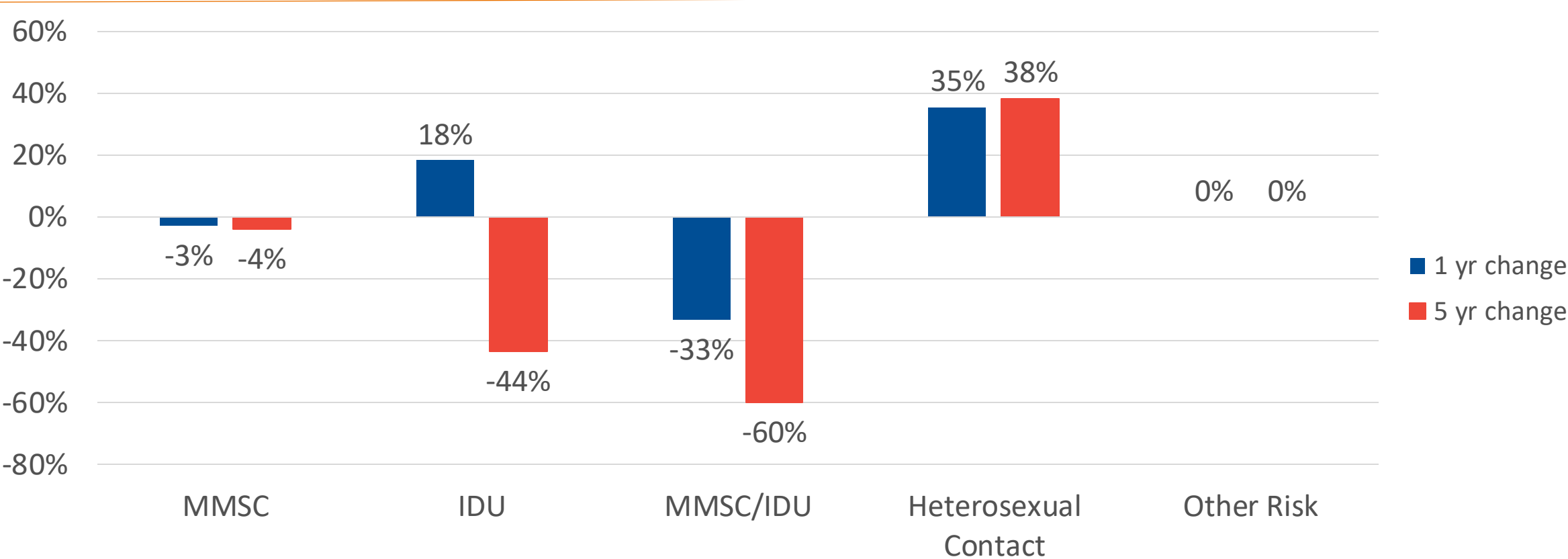




# HIV Incidence by Exposure Category

Cisgender Men

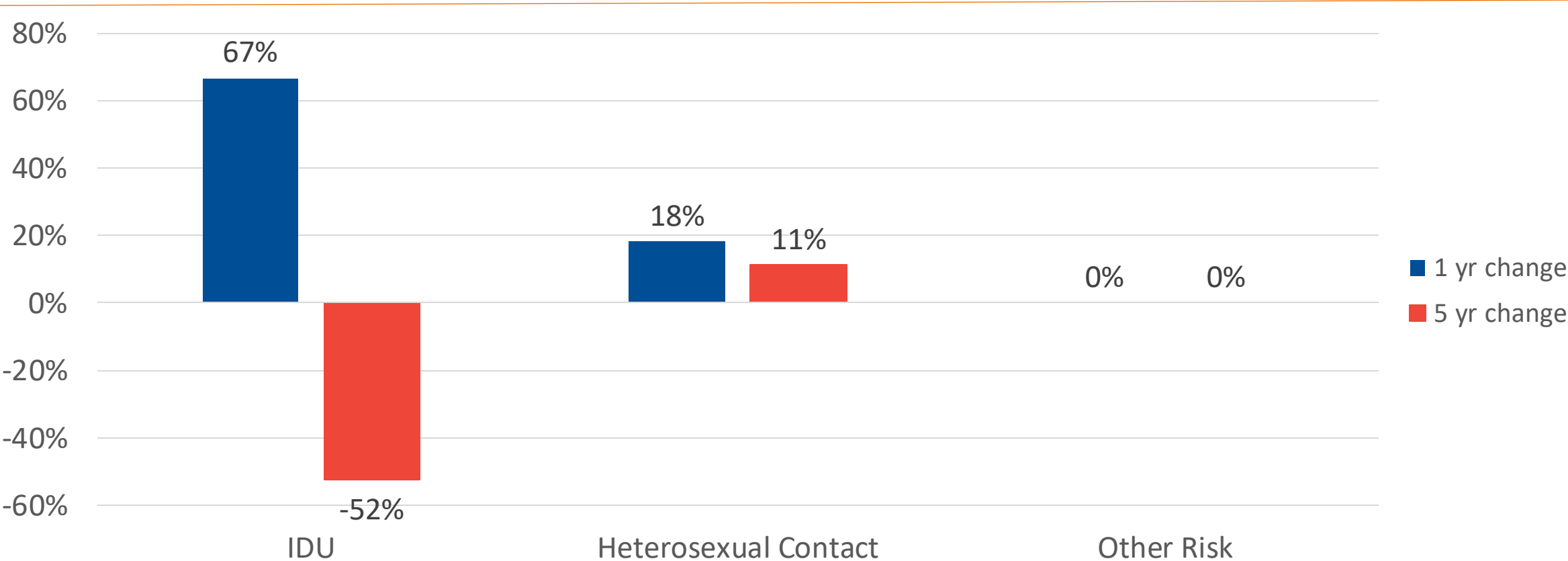
Orlando Service Area, 2019-2023



# HIV Incidence by Exposure Category

Cisgender Women

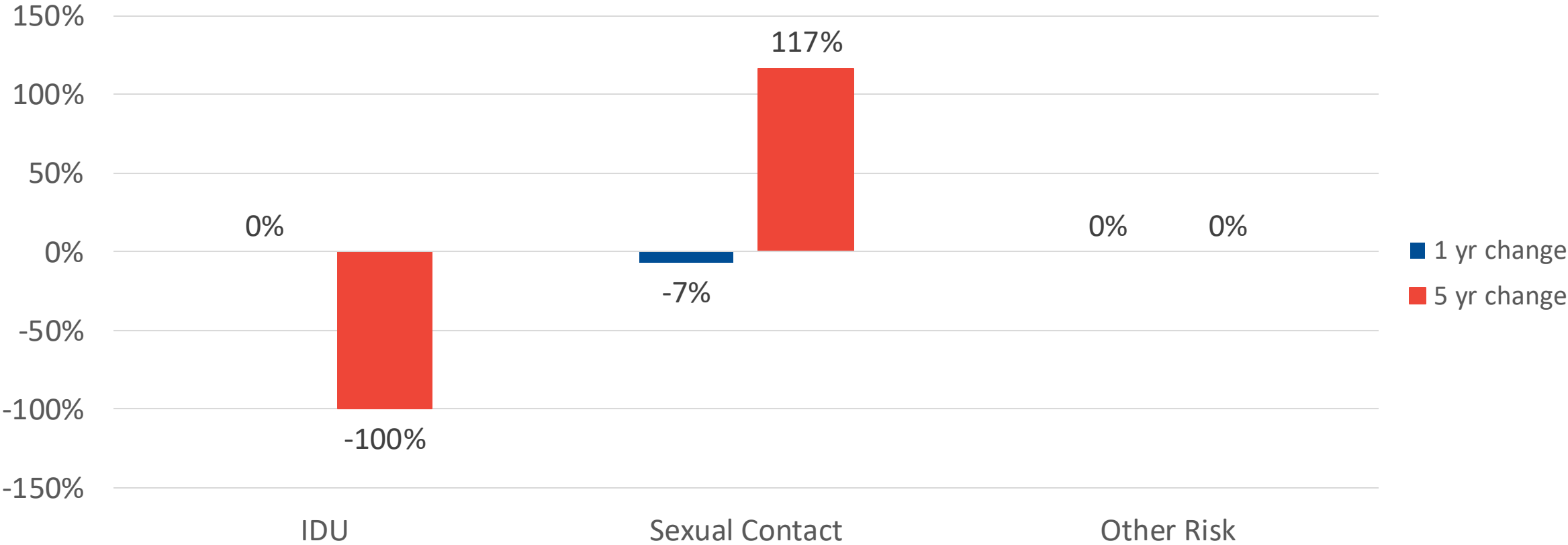
Orlando Service Area, 2019-2023



# HIV Incidence by Exposure Category

## Transgender/Additional Gender Sexual Contact

### Orlando Service Area, 2019-2023



# HIV Incidence - Summary

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## OSA

- 705 new HIV cases in 2023, an increase of 6% from previous year and a 1% decrease since 2019.

## Race/Ethnicity

- White (-25%) and Other (-28%) continue to show decreases while Blacks (12%) and Hispanics (11%) increased during the five year period.
- Black and Hispanic/Latinx populations are disproportionately affected by HIV compared to the general population.

## Gender Identity

- Cisgender Women saw a 3% increase across the 4 year period, while Men saw no change. New cases of HIV cases among Trans Women increased by 71%

## Age

- 70% of new HIV cases in 2023 occurred between the ages of 25-49.
- New HIV cases have increased in the 30-39 and 40-49 year age groups, at 31% and 38%, respectively.

## Exposure

- Since 2019, all exposure categories saw a decrease in the five year period with the exception of Heterosexual Contact (23%) and Trans Sexual Contact (117%).

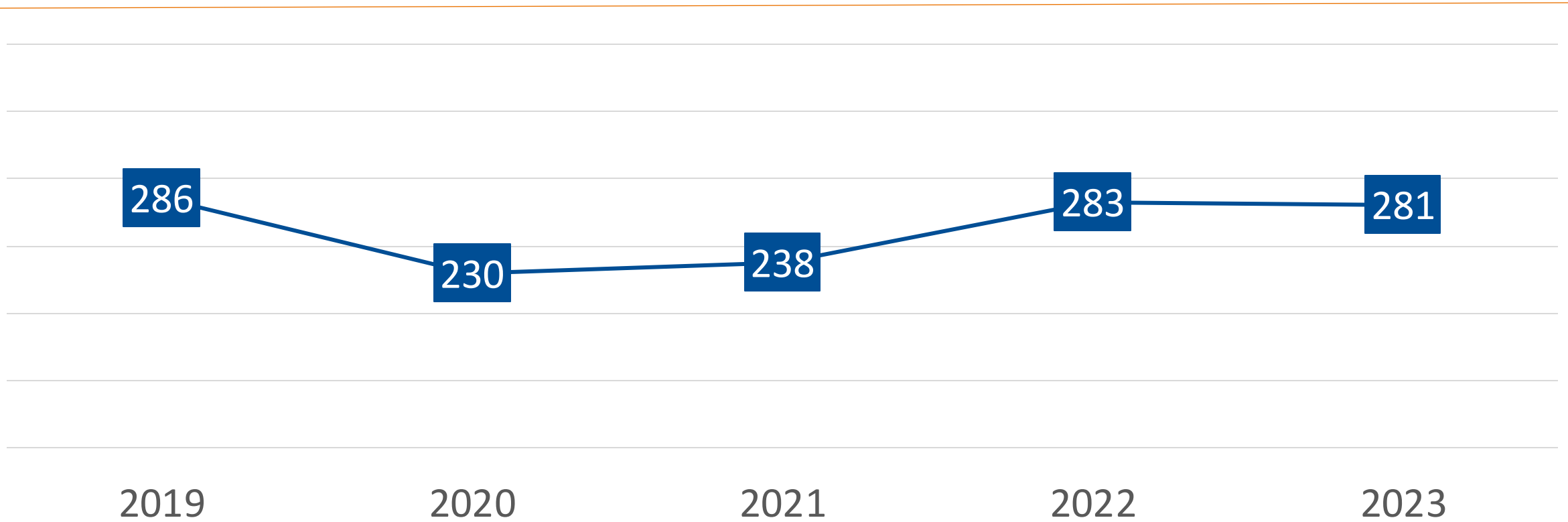


# New AIDS Cases (Incidence)



# AIDS Incidence

Orlando Service Area, 2019-2023

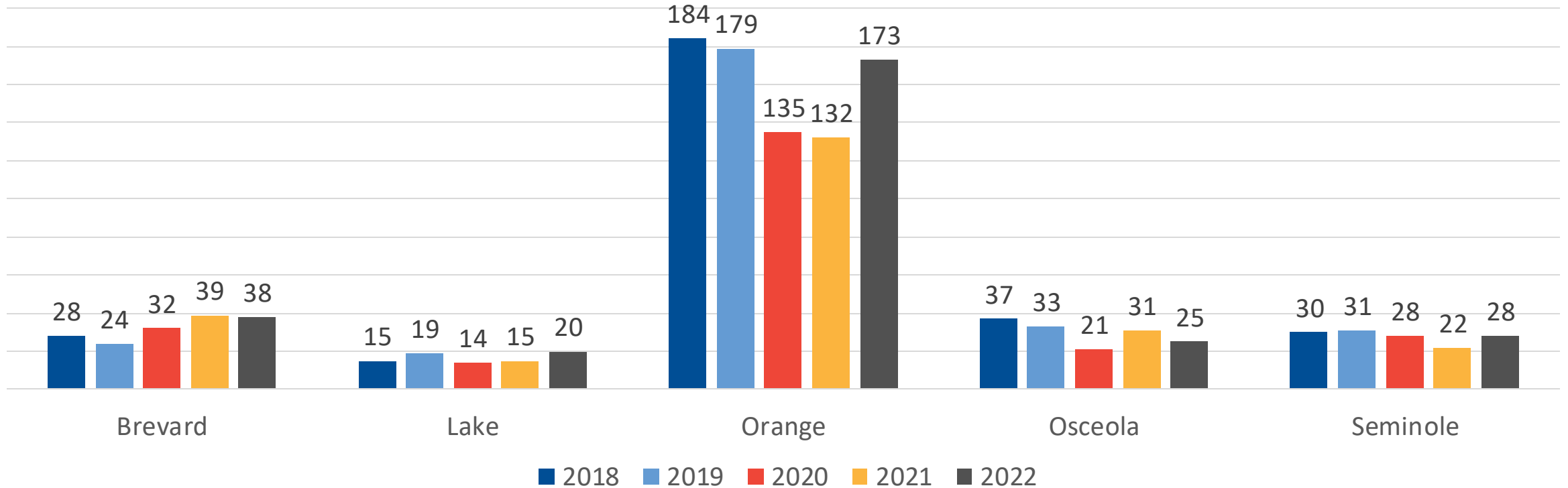


1 yr change	-1%
5 yr change	-2%



# AIDS Incidence by County

## Orlando Service Area, 2018-2022



	Brevard	Lake	Orange	Osceola	Seminole
1 yr change	-3%	33%	31%	-19%	27%
5 yr change	36%	33%	-6%	-32%	-7%

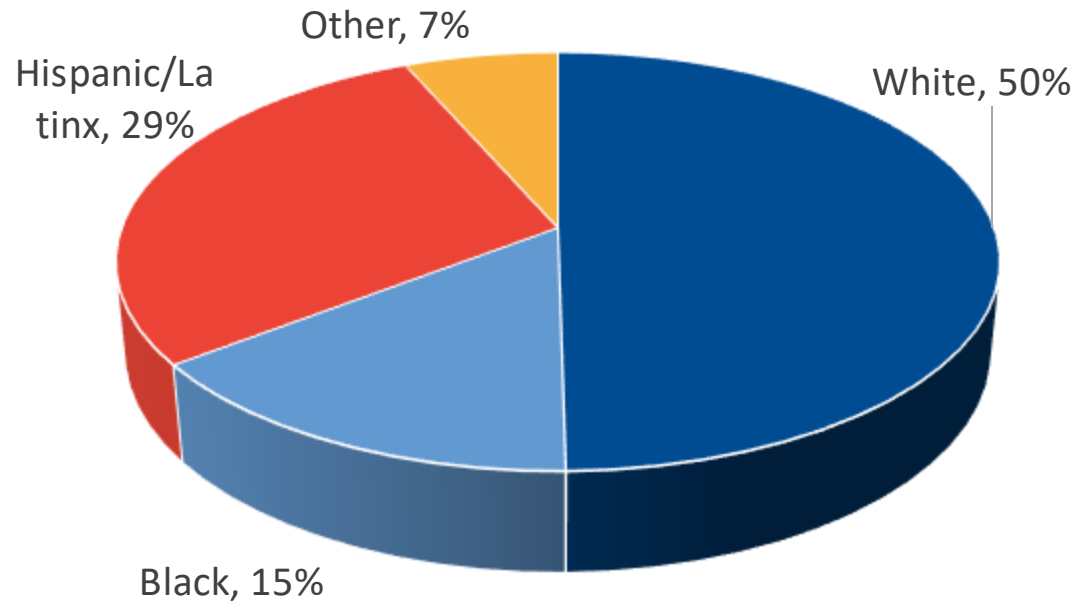
Data for 2023 not available at the time of this presentation.



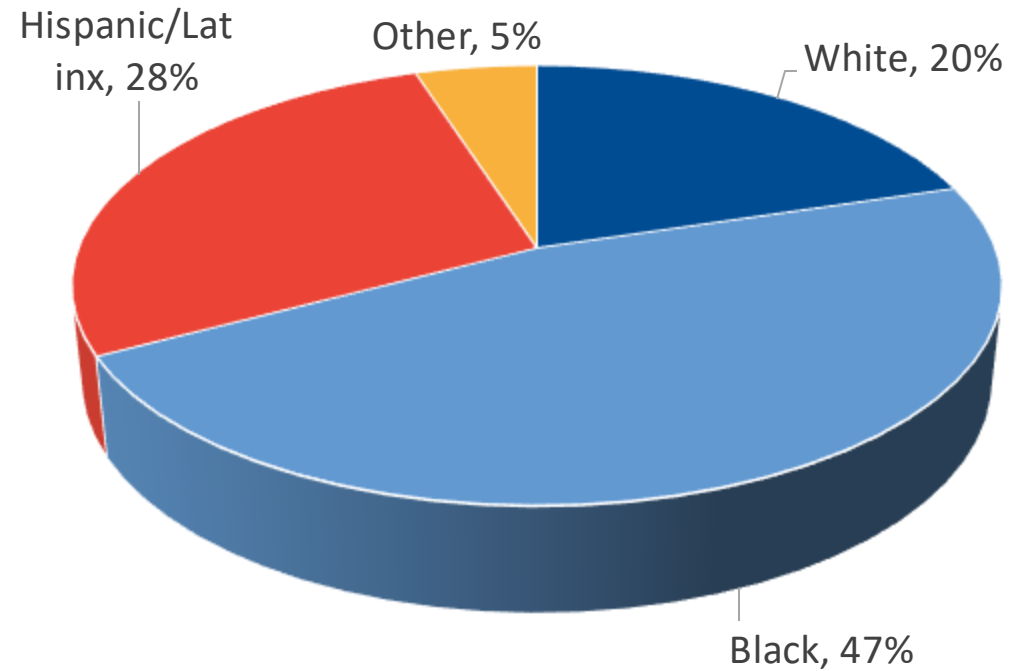
# AIDS Incidence

## Total Population Compared to Service Area, 2023

Population = 3,499,222

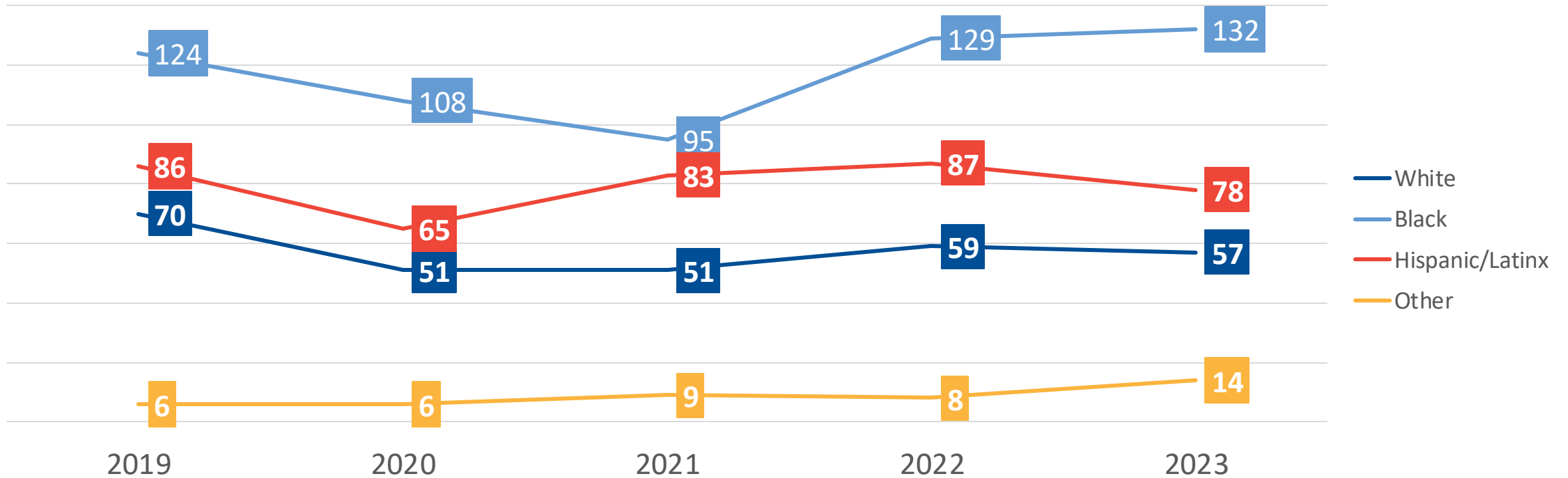


New AIDS Cases = 281





# AIDS Incidence by Race/Ethnicity Orlando Service Area, 2019-2023

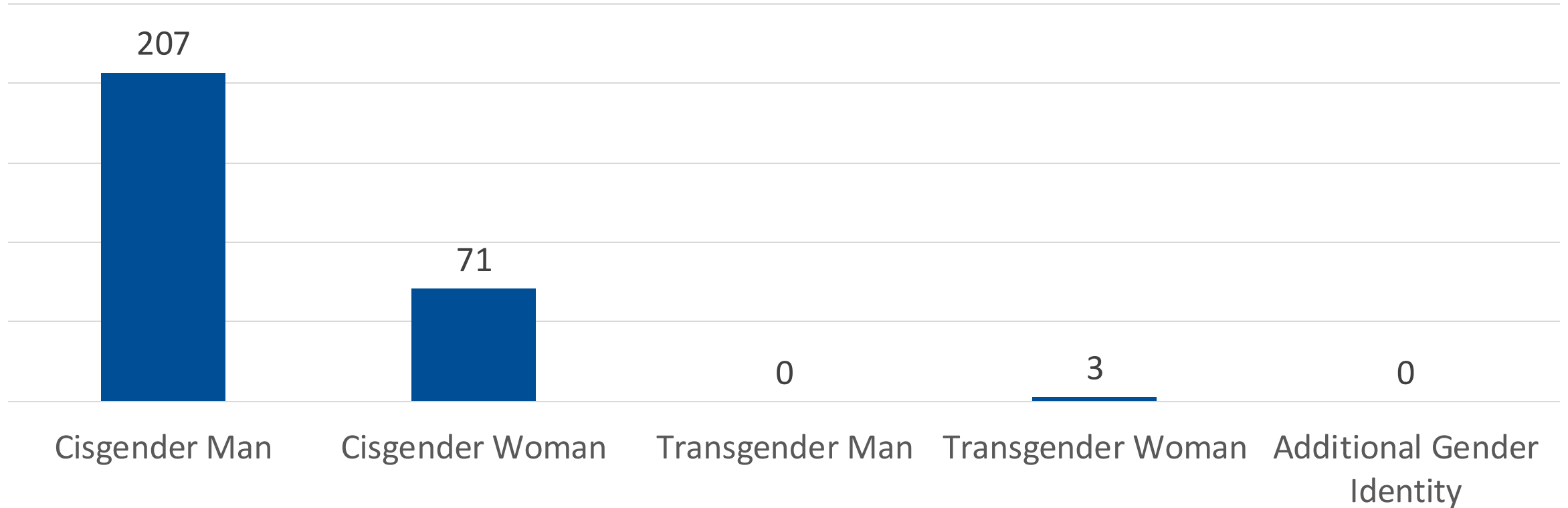


Race Ethnicity	White	Black	Hispanic/Latinx	Other
1 yr change	-3%	2%	-10%	75%
5 yr change	-19%	6%	-9%	133%

\*White, Black and Other categories represent Non-Hispanic groups. 'Other' includes: American Indian/Alaska Native, Asian, and Native Hawaiian/Pacific Islander and Multi-race

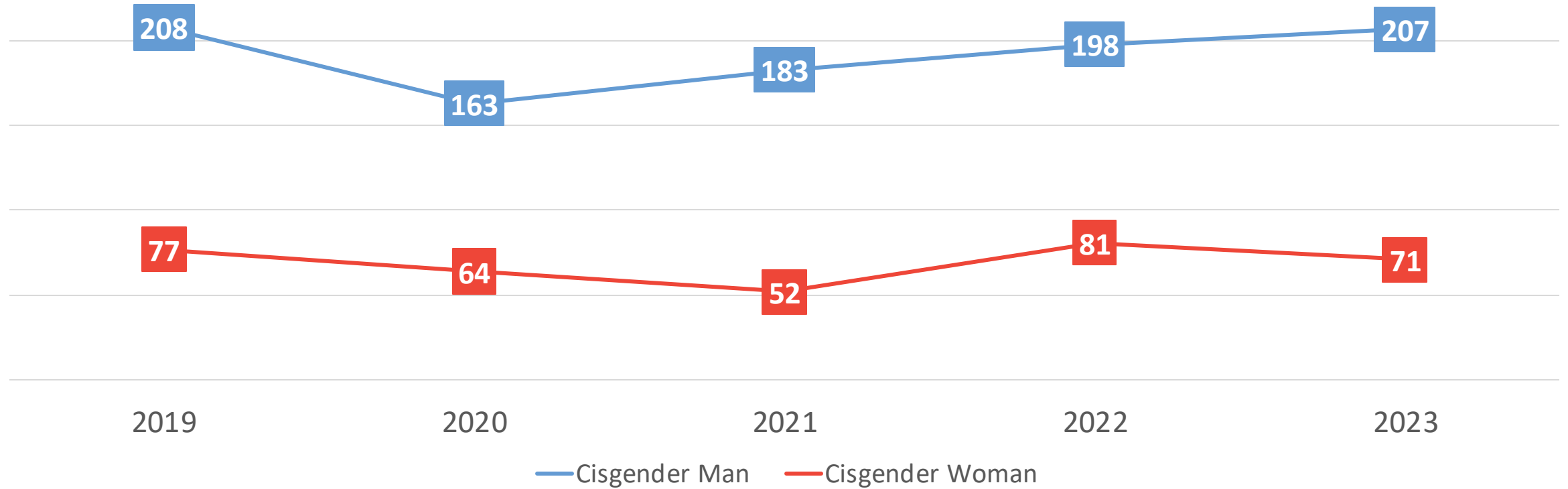


# AIDS Incidence by Gender Identity Orlando Service Area, 2023



# AIDS Incidence by Gender Identity

## Orlando Service Area, 2019-2023

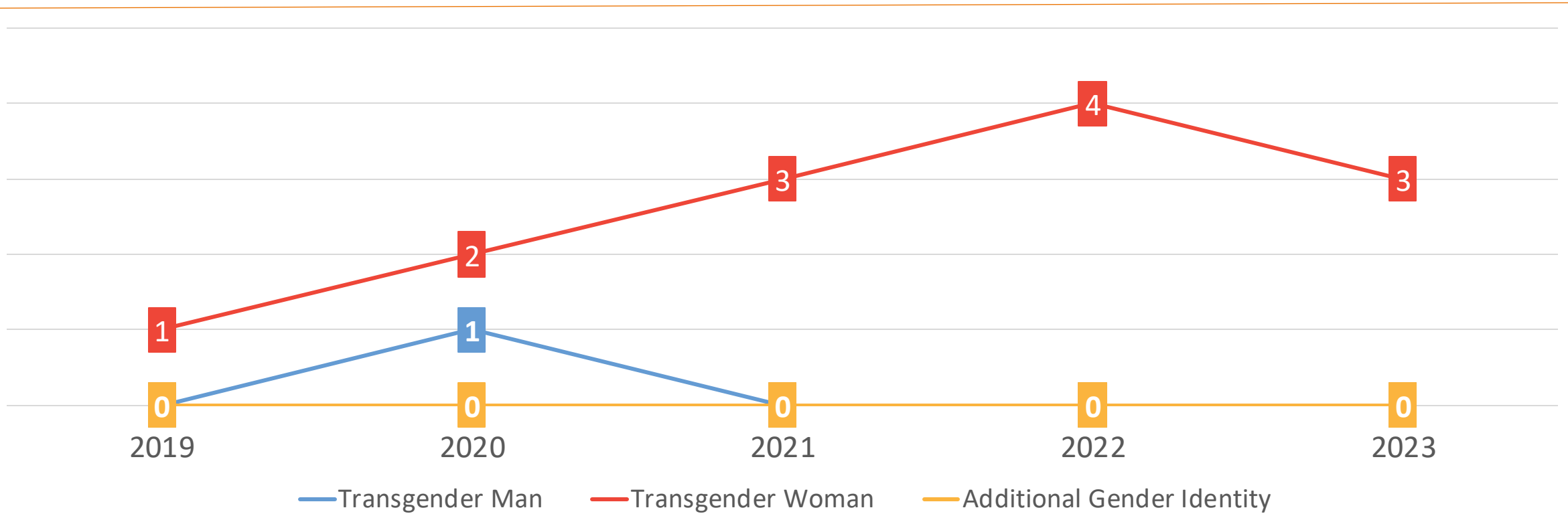


	Cis Man	Cis Woman
1 yr change	5%	-12%
5 yr change	-1%	-8%



# AIDS Incidence by Gender Identity

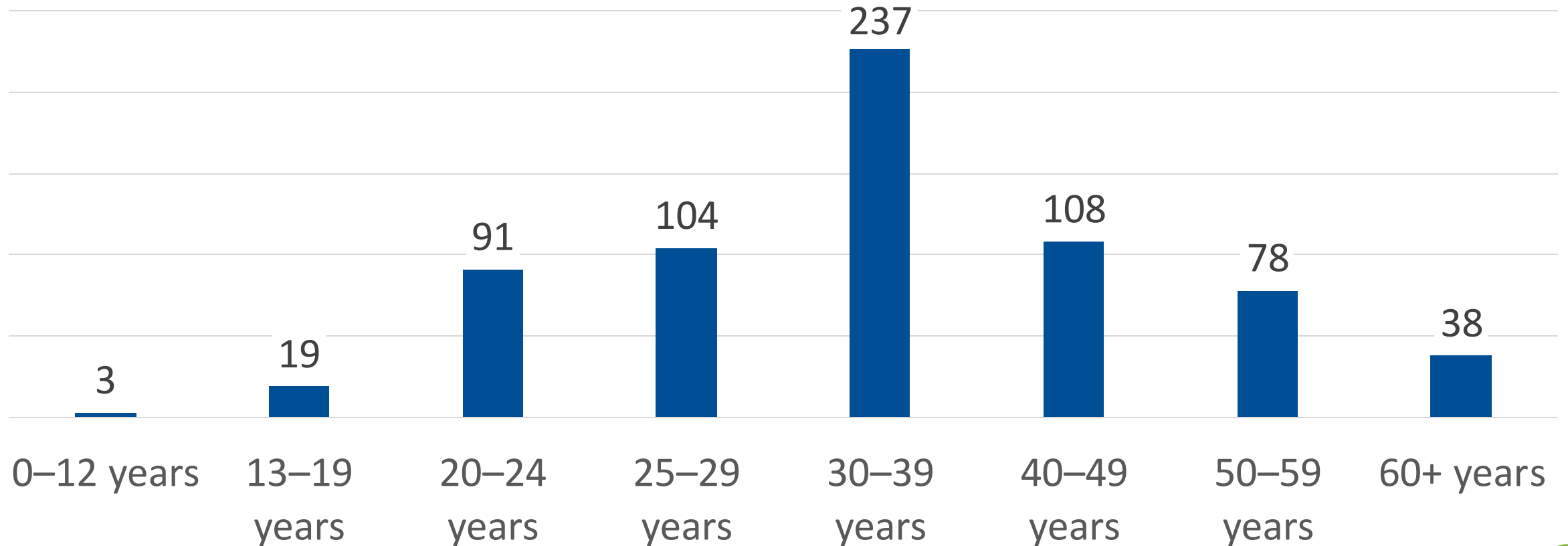
## Orlando Service Area, 2019-2023



	Trans Man	Trans Woman	Additional
1 yr change	-	-25%	-
5 yr change	-	200%	-

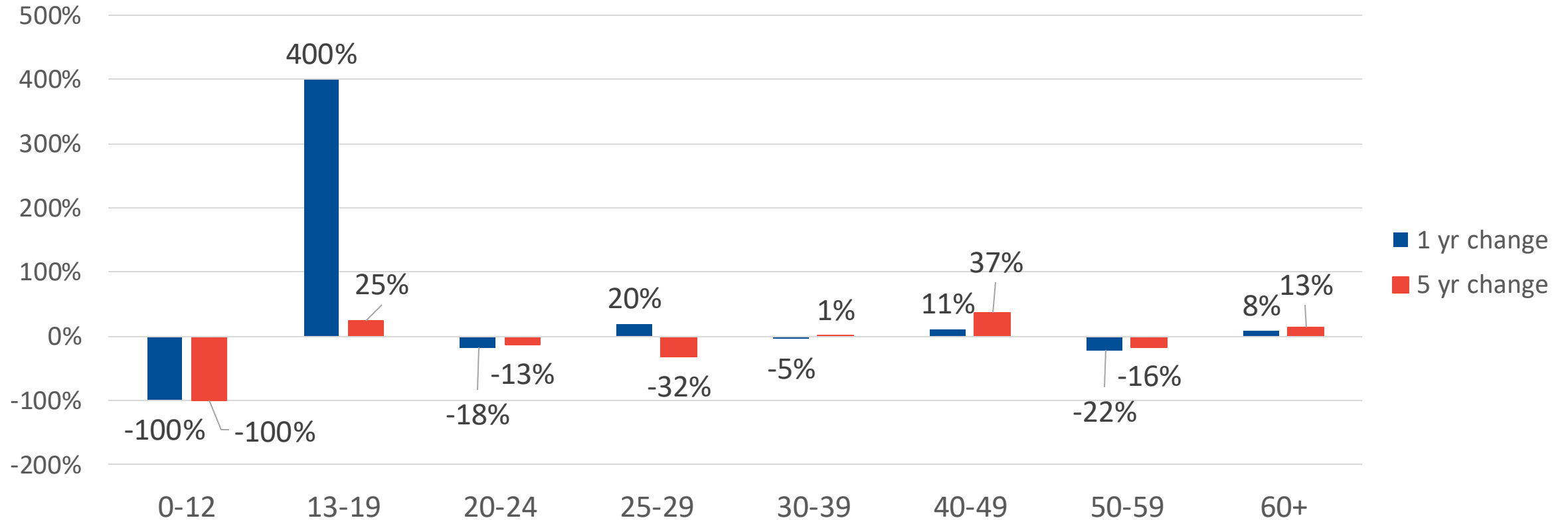


# AIDS Incidence by Age Group Orlando Service Area, 2023



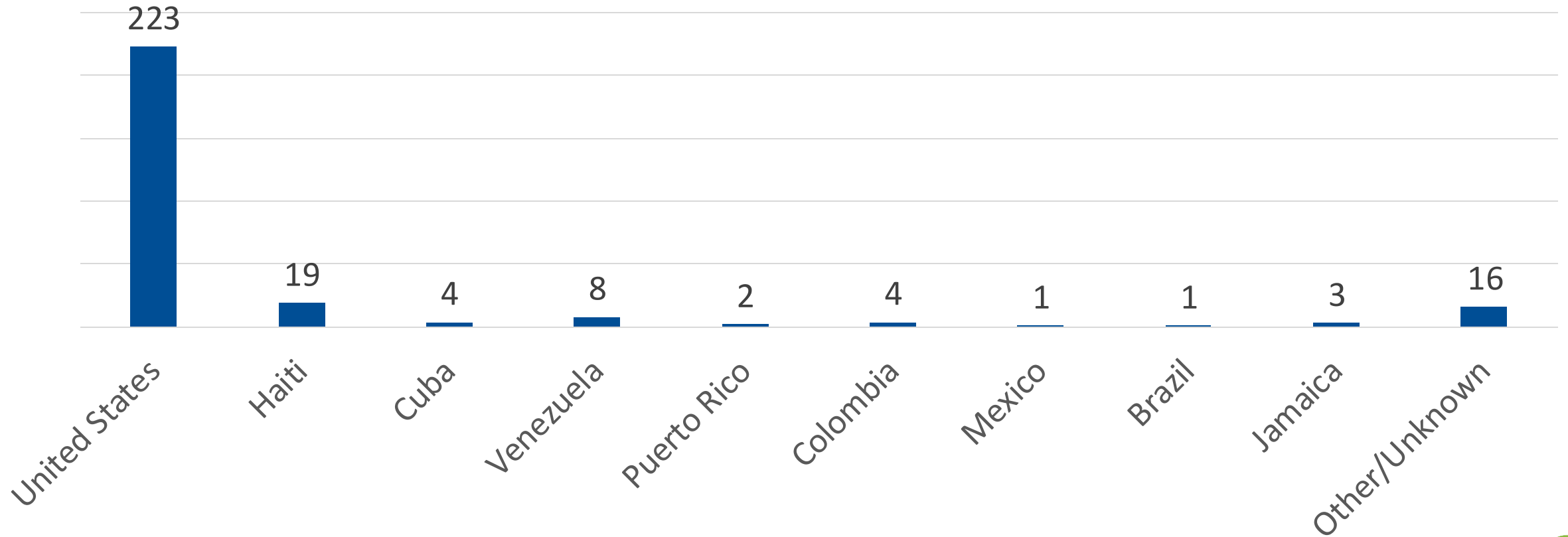
# AIDS Incidence by Age Group

## Orlando Service Area, 2019-2023



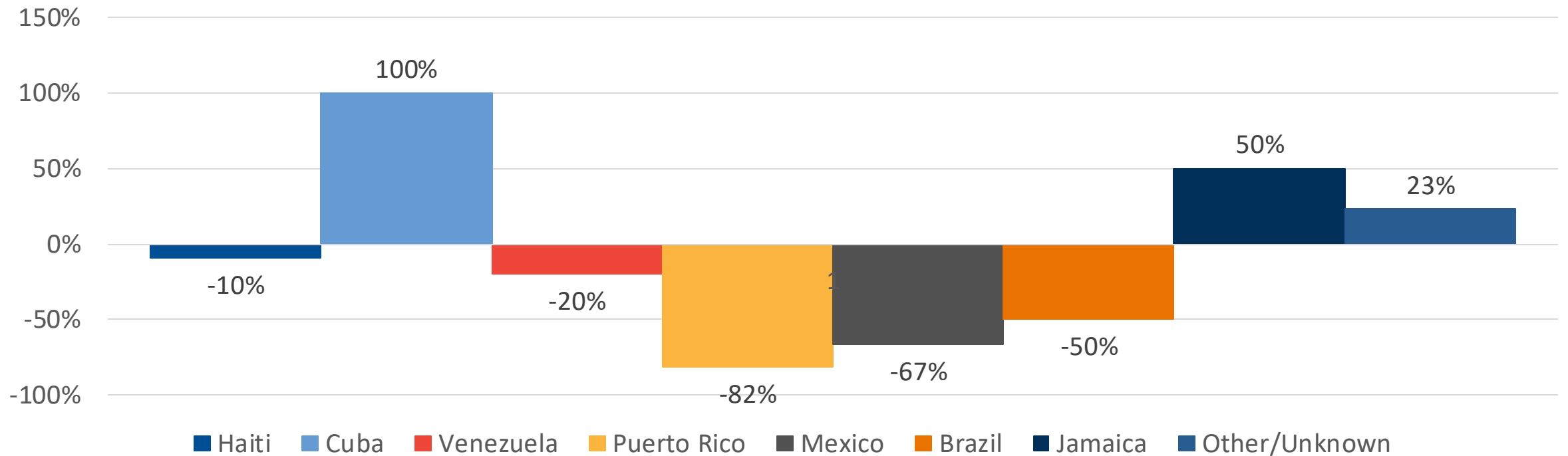
# AIDS Incidence by Country/Territory of Birth

## Orlando Service Area, 2023



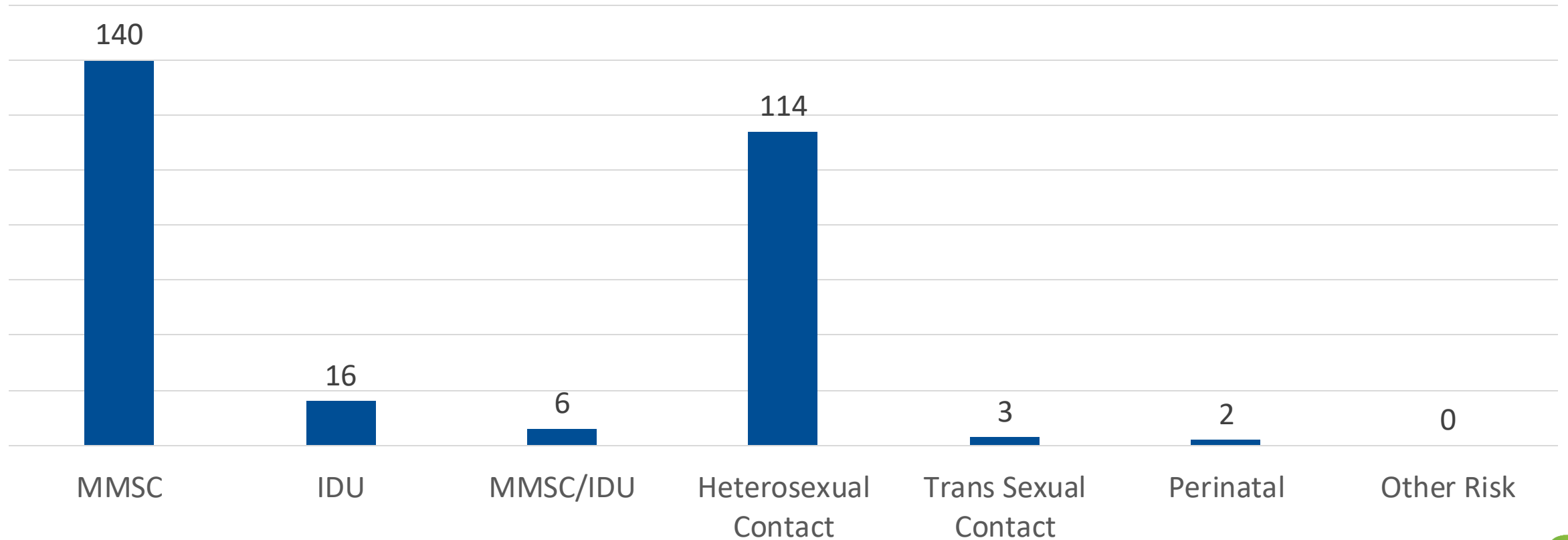
# AIDS Incidence by Country/Territory of Birth

## Orlando Service Area, 2019-2023



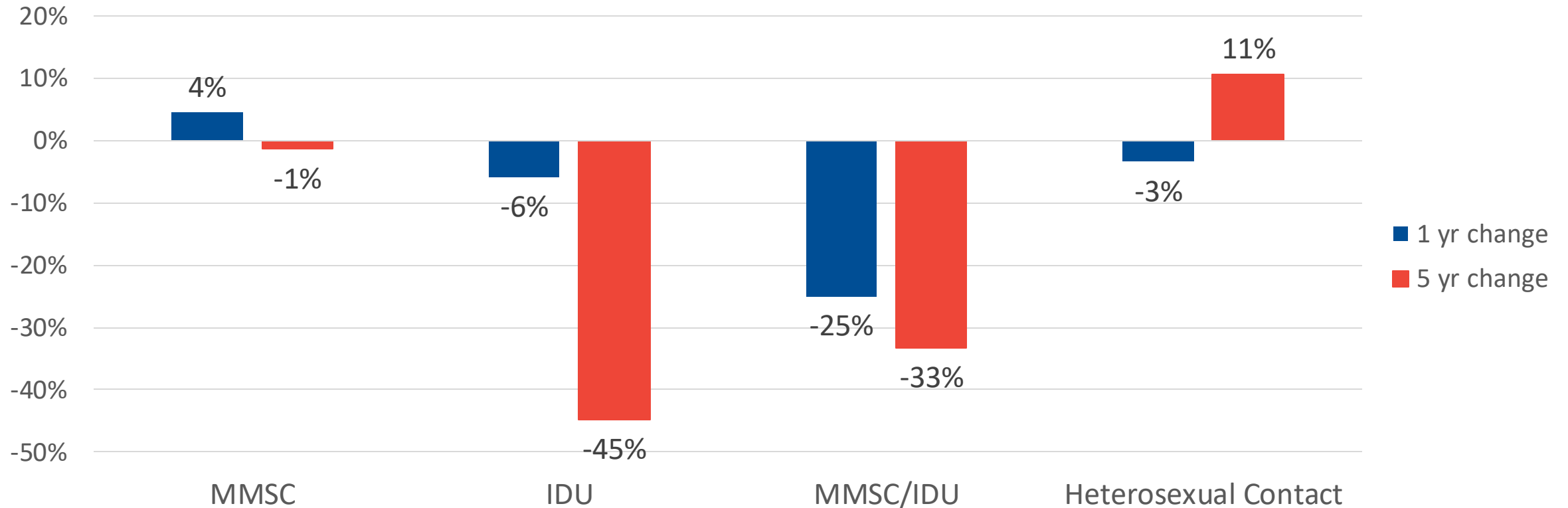


# AIDS Incidence by Exposure Category Orlando Service Area, 2023



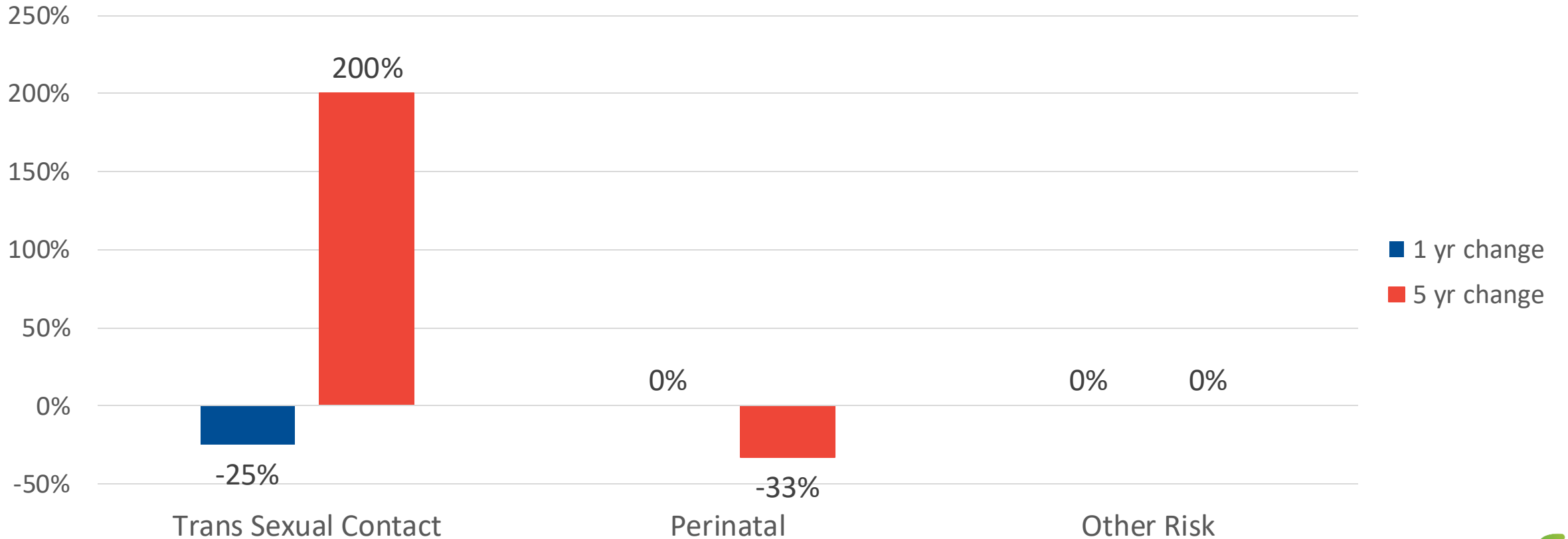
# AIDS Incidence by Exposure Category

## Orlando Service Area, 2019-2023



# AIDS Incidence by Exposure Category (cont.)

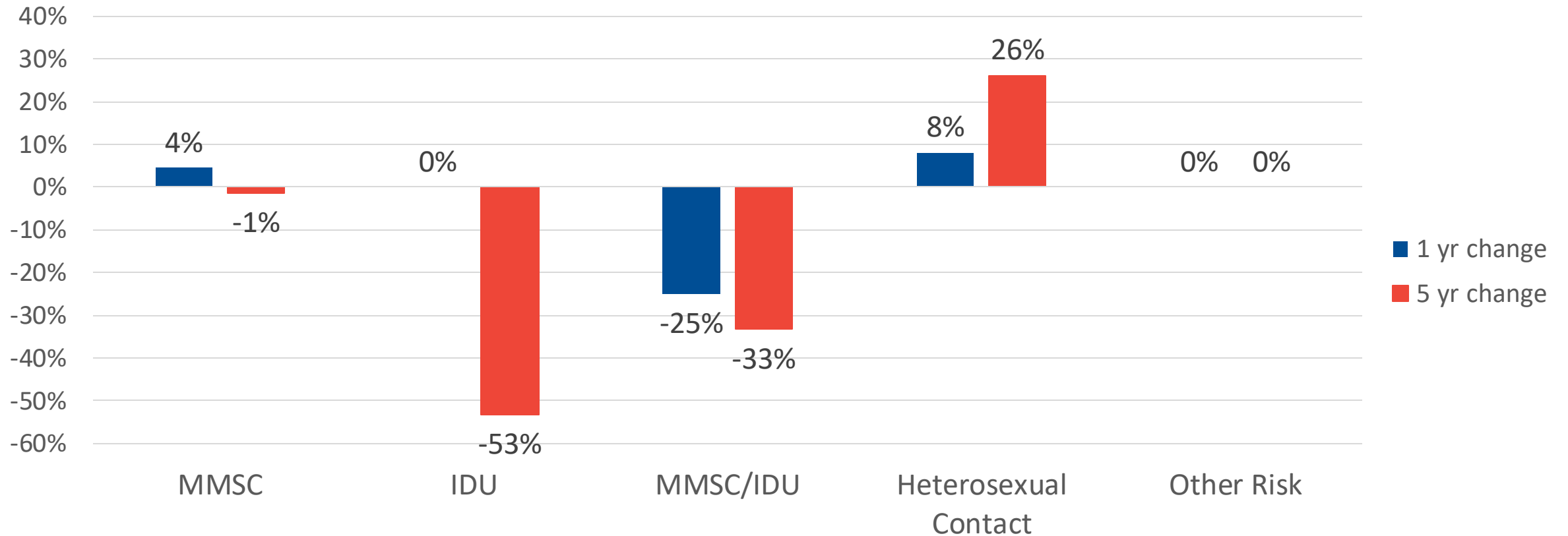
## Orlando Service Area, 2019-2023



# AIDS Incidence by Exposure Category

Cisgender Men

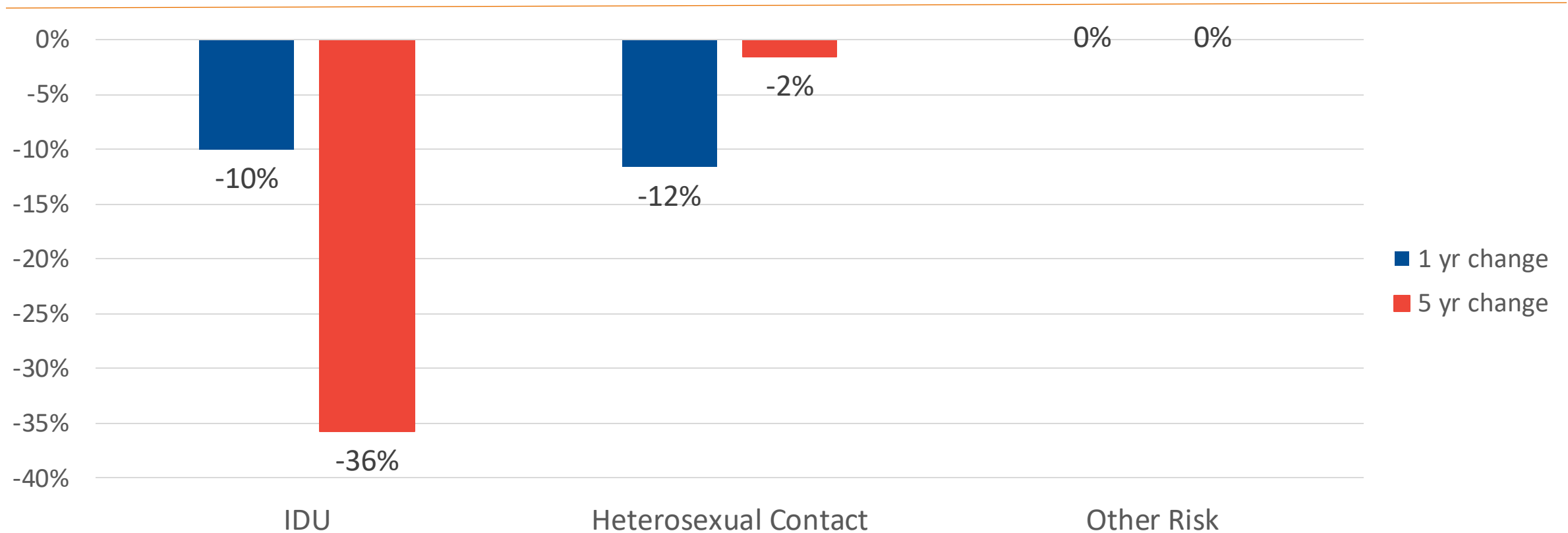
Orlando Service Area, 2019-2023



# AIDS Incidence by Exposure Category

Cisgender Women

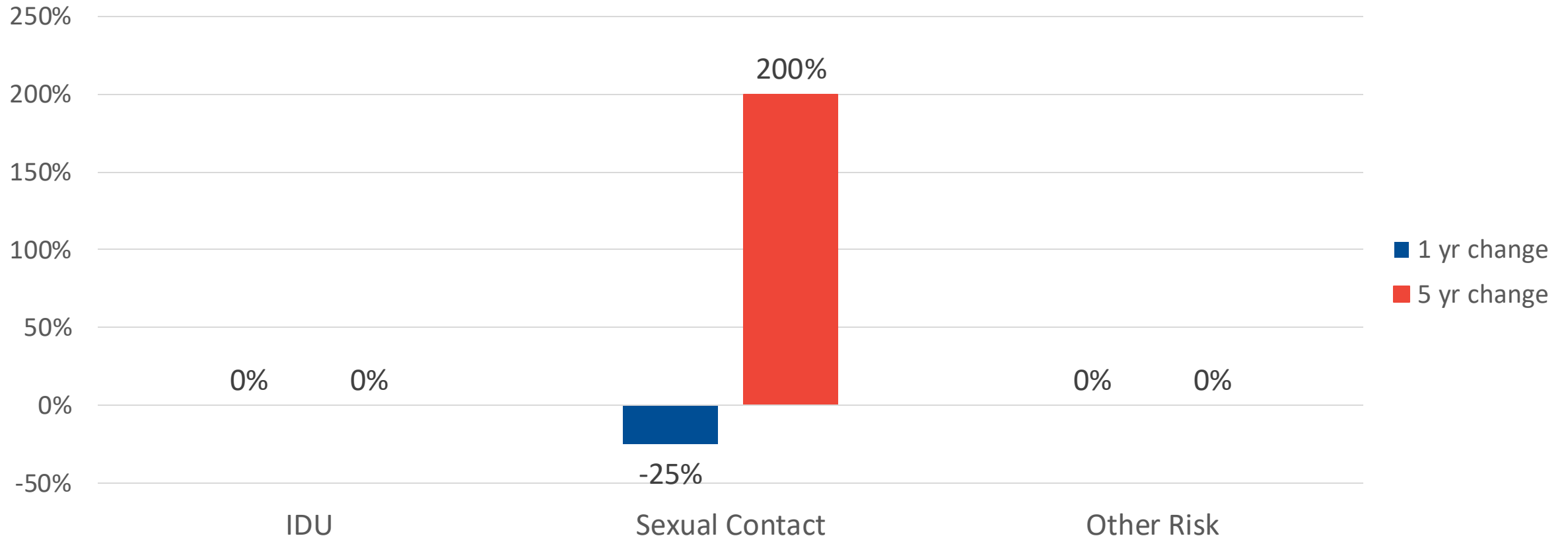
Orlando Service Area, 2019-2023



# AIDS Incidence by Exposure Category

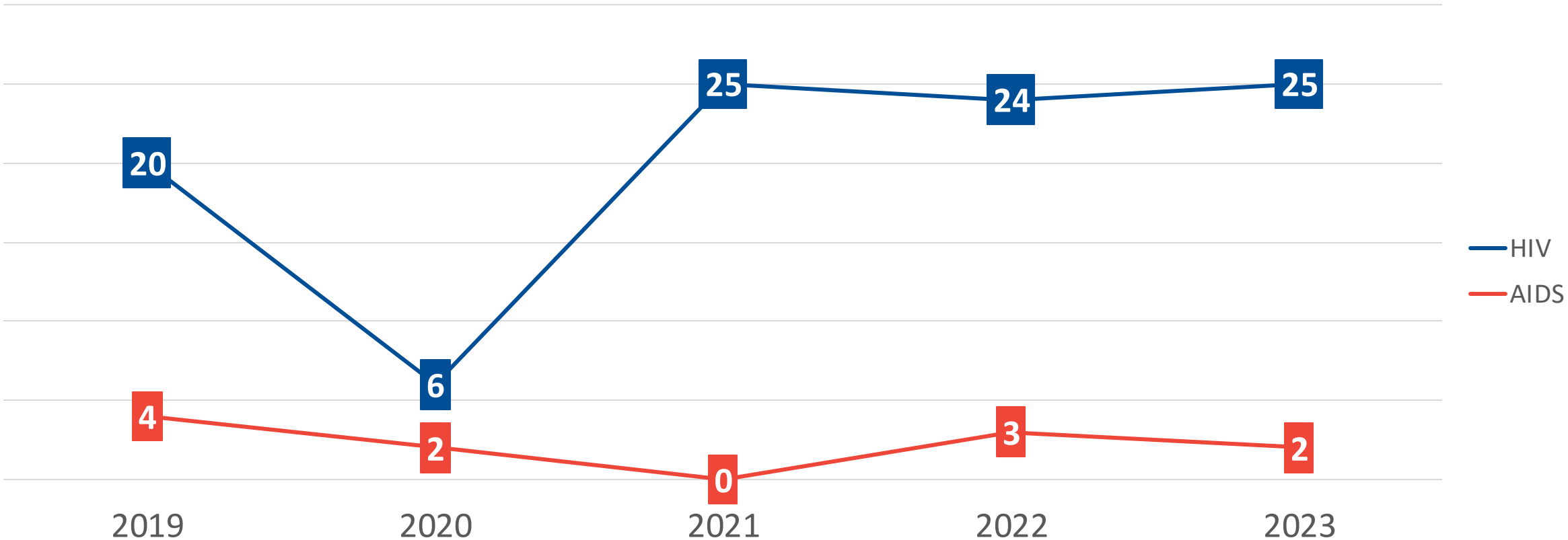
## Transgender and Additional Gender Sexual Contact

### Orlando Service Area, 2019-2023



# FDC/FCI HIV & AIDS Incidence

Orlando Service Area, 2019-2023



	HIV	AIDS
1 yr change	4%	-33%
5 yr change	25%	-50%



# AIDS Incidence - Summary

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- **OSA**
  - There were a total of 281 new AIDS cases in 2023. This represents a 2% decrease across the 5 year period.
- **Race/Ethnicity**
  - Across a five year period, Other Race increased by 133% (+8 cases) and Black cases by 6%.
  - Black individuals are still disproportionately impacted by new AIDS diagnoses.
- **Birth Sex**
  - In the five year period, there was little change in new AIDS diagnoses for males. Women saw a decrease of 8% and Trans Women saw an increase of 200%.
- **Age**
  - 71% of all new AIDS cases in 2023 occurred among 30-59 year olds.
  - Since last year, new AIDS cases increased by 400% for 13-19 year olds (+4 cases).
  - Across a five year period, the 13-19 (25%) and 40-49 (37%) age groups saw the largest increases.
- **Exposure**
  - Most new AIDS cases are among MMSC and Heterosexual categories, however, the rate of new AIDS cases increased the most for Trans Sexual Contact (200%) and Heterosexual individuals (11%) across a five year period.

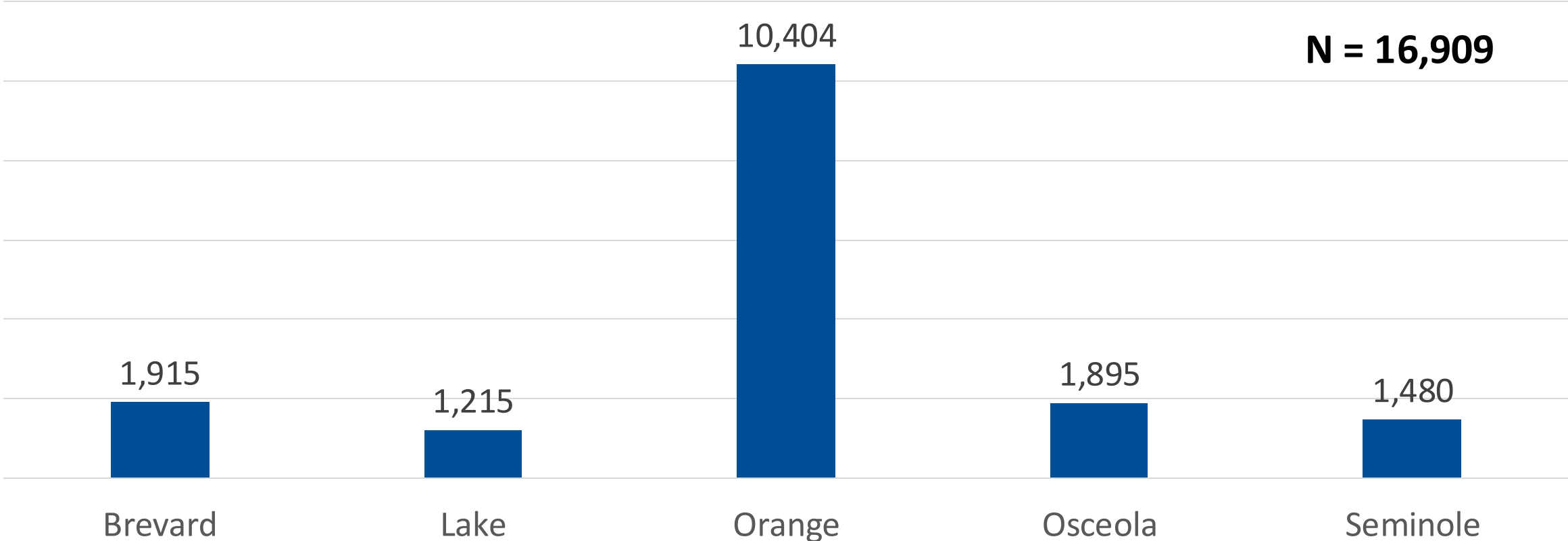




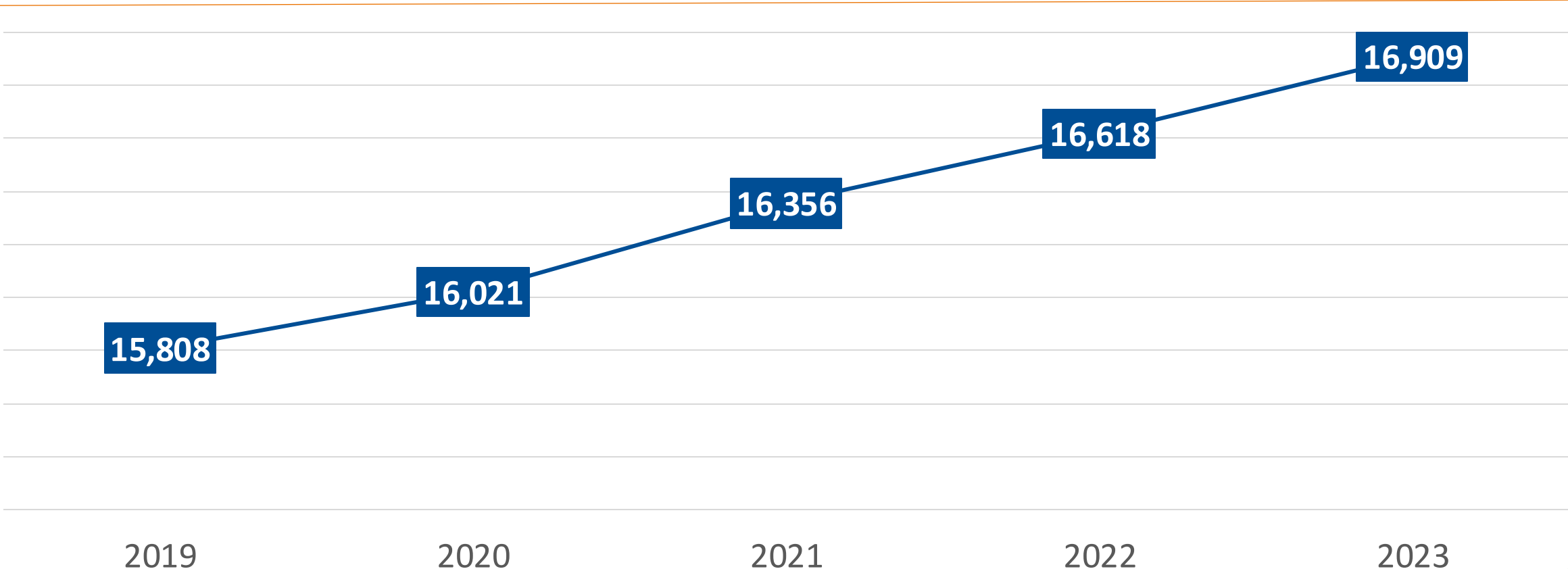
# Persons with HIV (Prevalence)



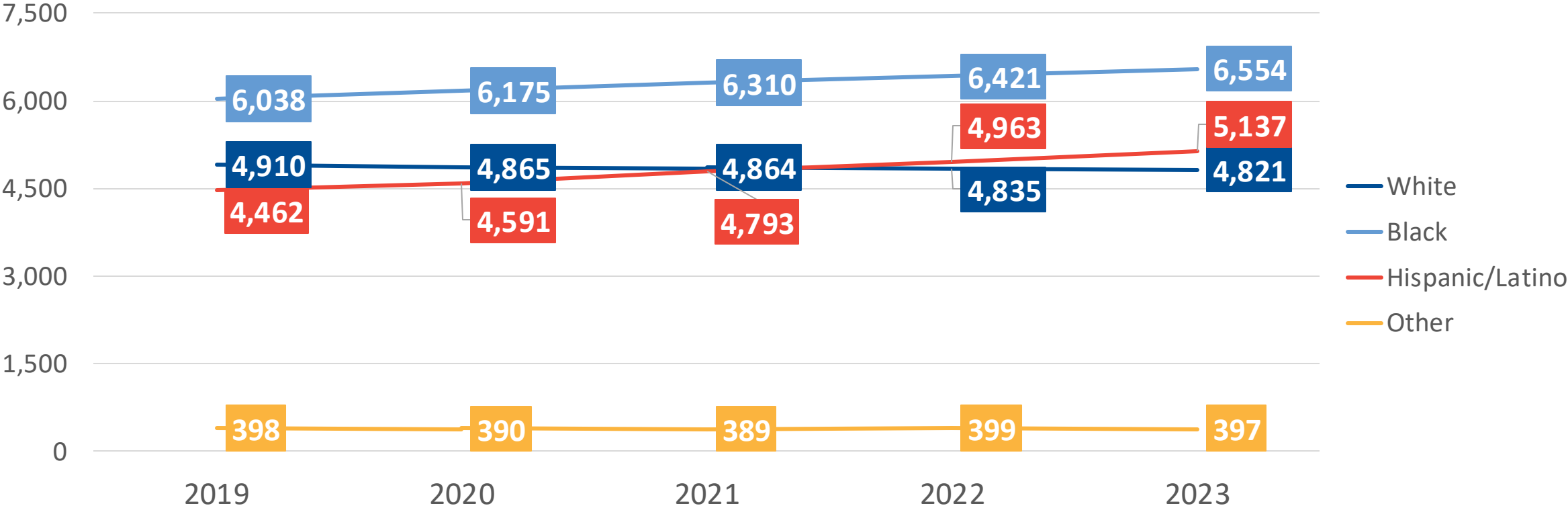
# Persons with HIV (Prevalence) by County Orlando Service Area, 2023



# Persons with HIV (Prevalence) Orlando Service Area, 2019-2023



# PWH by Race/Ethnicity and County Orlando Service Area, 2019-2023



Race/Ethnicity	White	Black	Hispanic/Latinx	Other
1 yr change	0%	2%	4%	-1%
5 yr change	-2%	9%	15%	0%

\*White, Black and Other categories represent Non-Hispanic groups. 'Other' includes: American Indian/Alaska Native, Asian, and Native Hawaiian/Pacific Islander and Multi-race

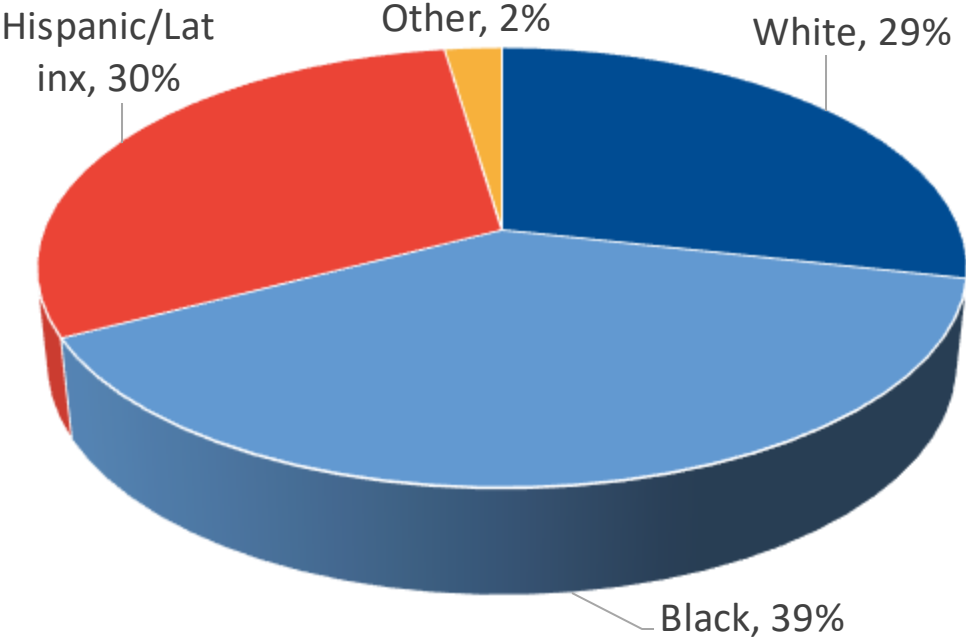
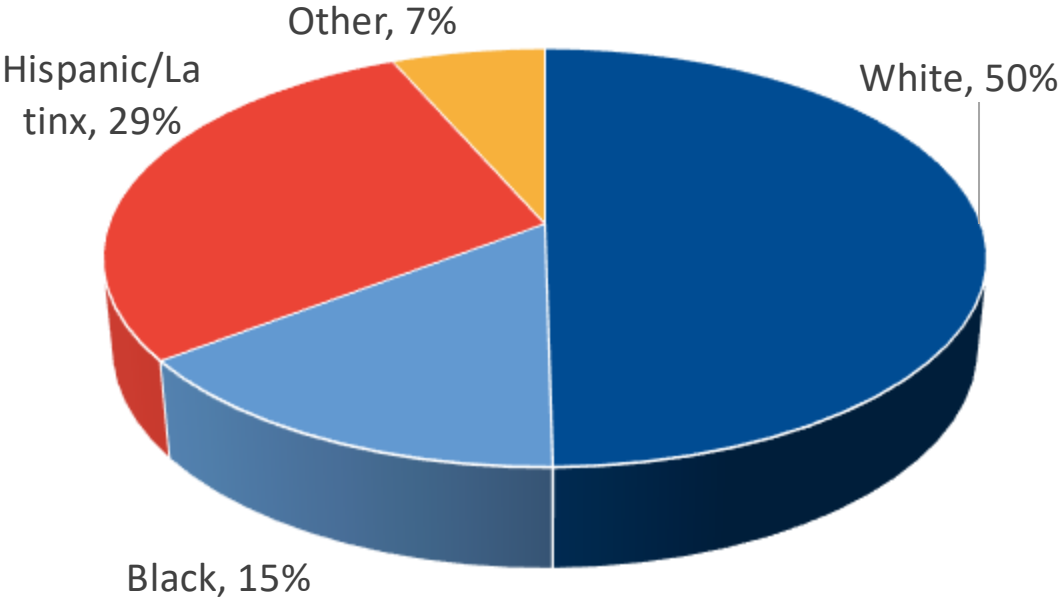


# Persons with HIV (Prevalence) by Race/Ethnicity

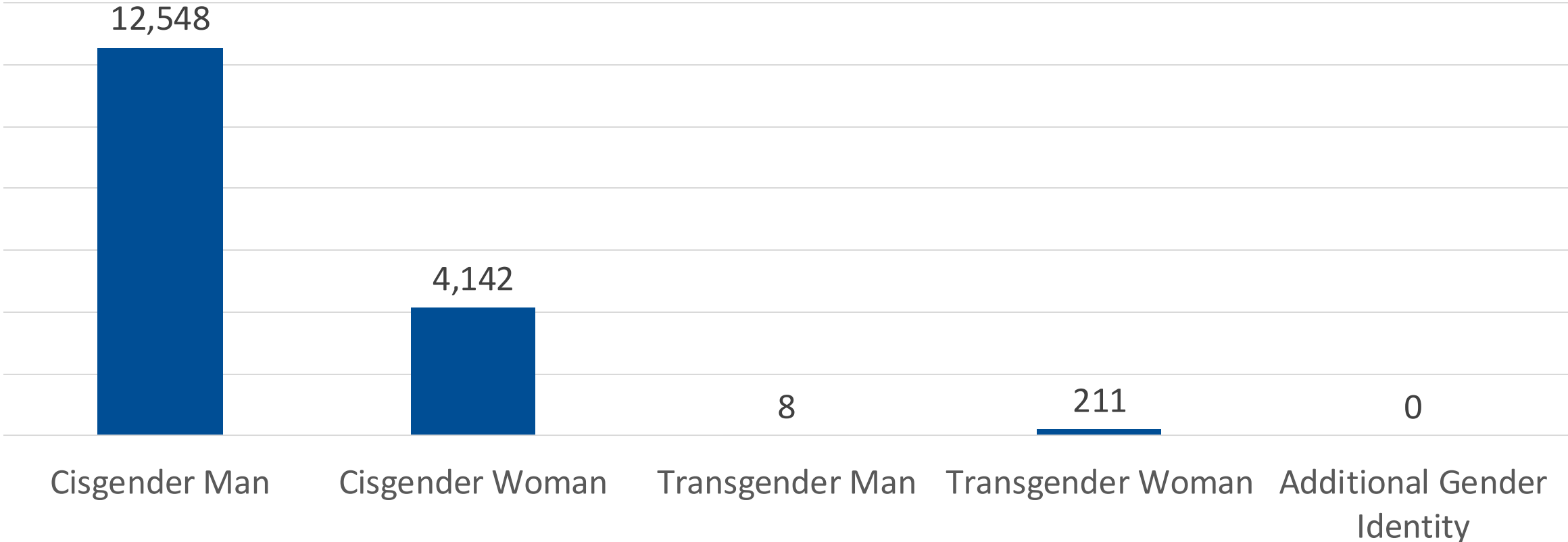
## Total Population Compared to Service Area, 2023

Population = 3,499,222

Persons with HIV = 16,909

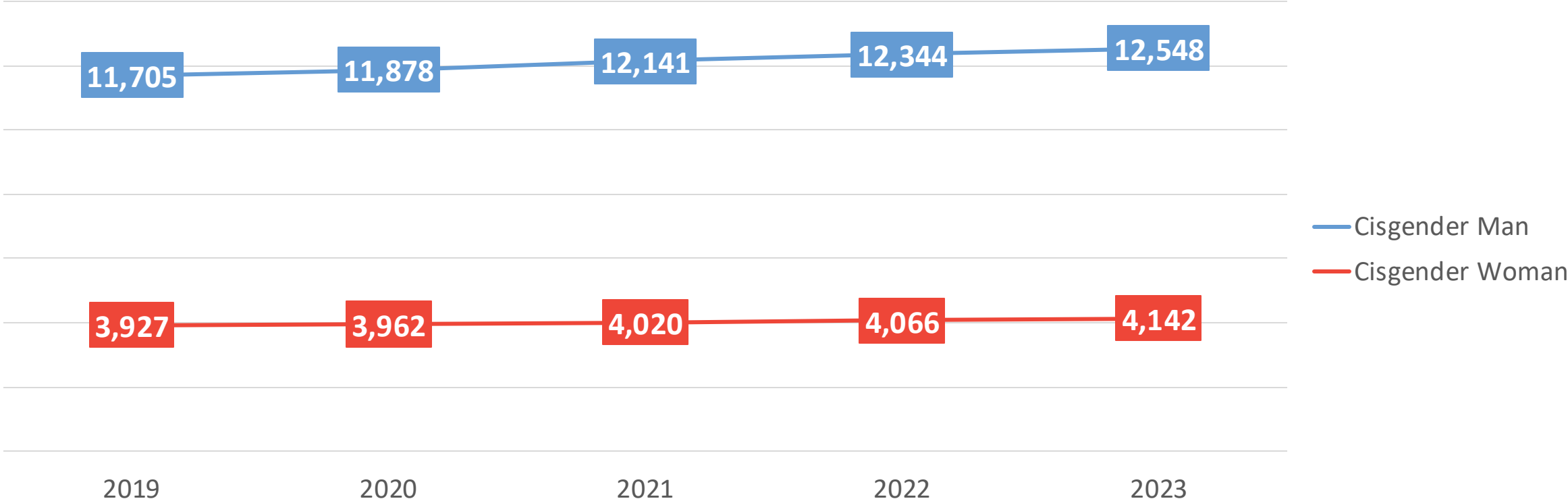


# Persons with HIV (Prevalence) by Gender Identity Orlando Service Area, 2023



# Persons with HIV (Prevalence) by Gender Identity

Orlando Service Area, 2019-2023

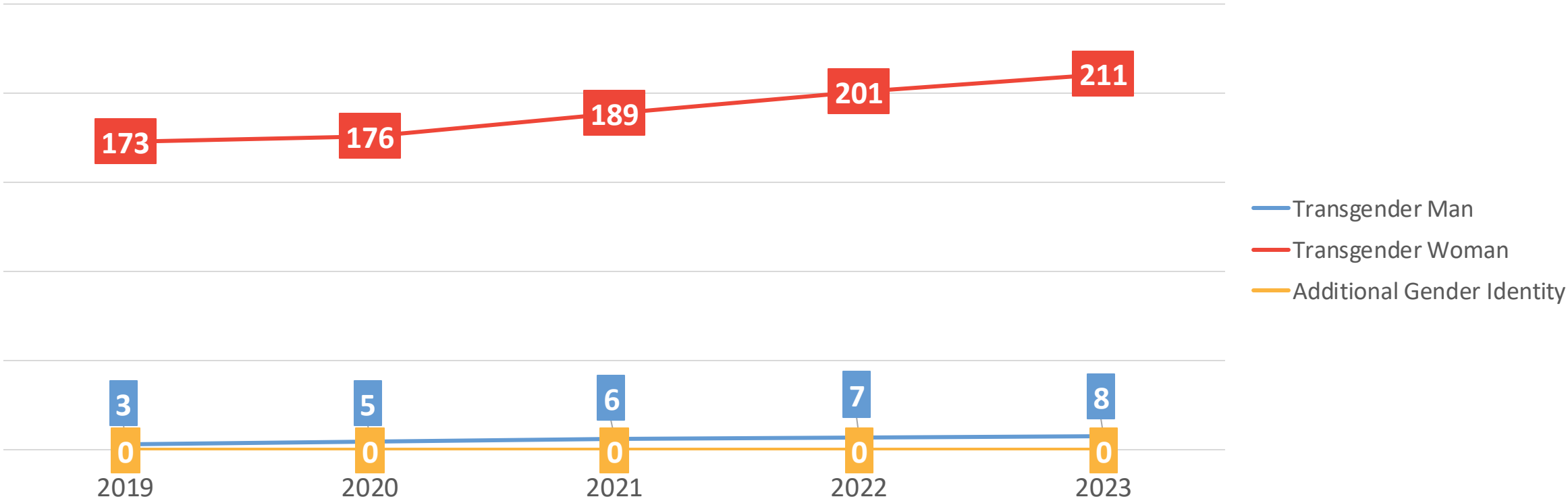


	Cis Man	Cis Woman
1 yr change	2%	2%
5 yr change	7%	6%



# Persons with HIV (Prevalence) by Gender Identity

Orlando Service Area, 2019-2023

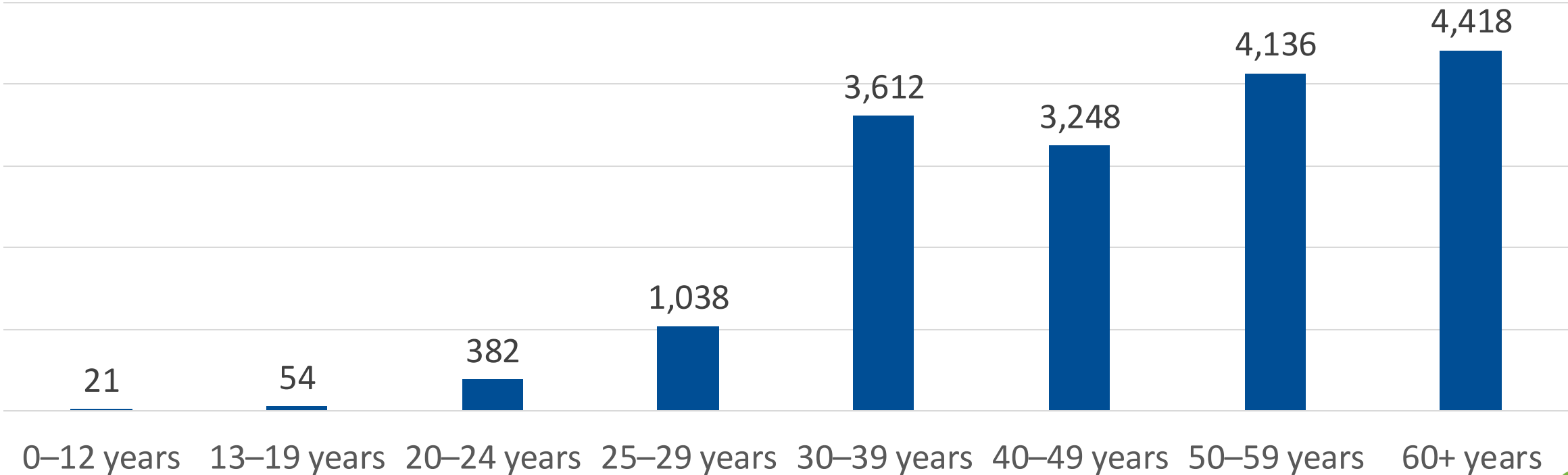


	Trans Man	Trans Woman	Additional
1 yr change	14%	5%	-
5 yr change	167%	22%	-



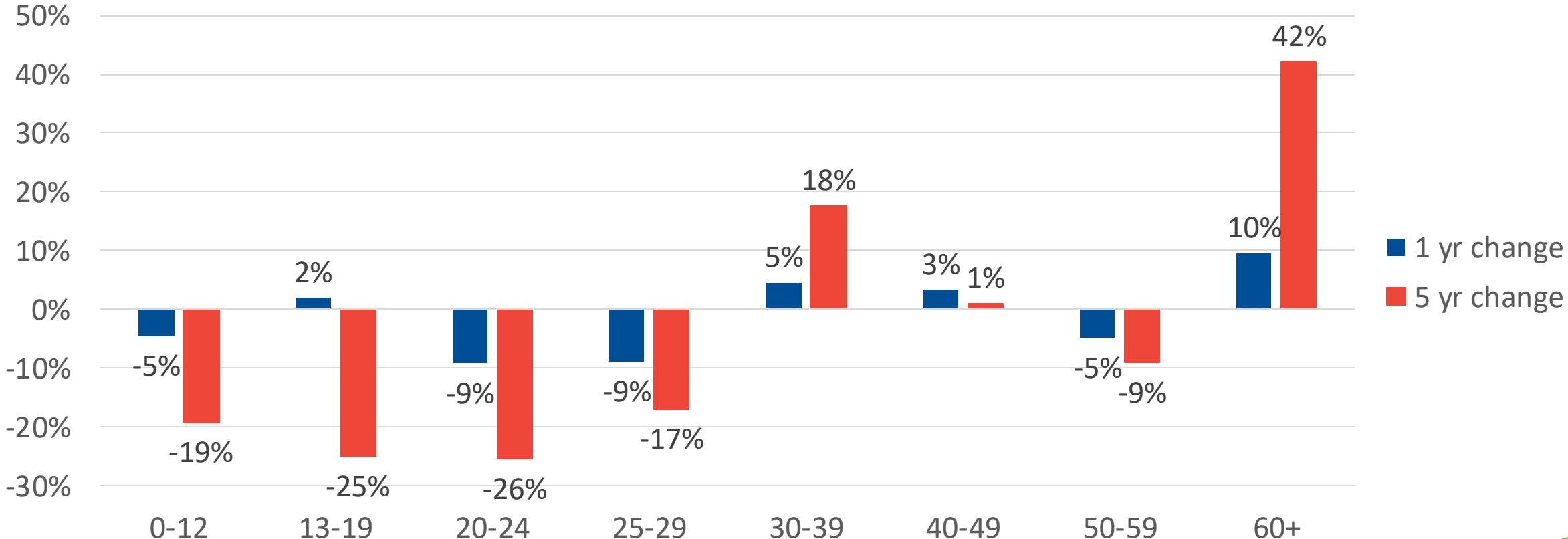


# Persons with HIV (Prevalence) by Age Group Orlando Service Area, 2023



# Persons with HIV (Prevalence) by Age Group

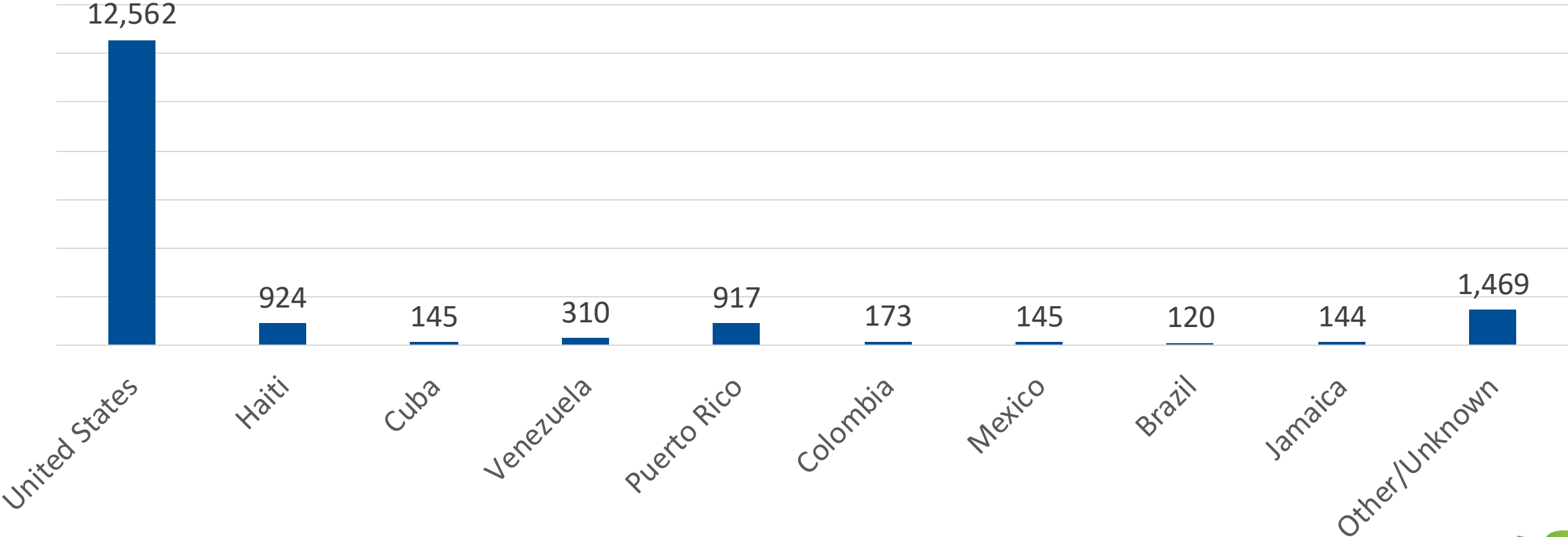
Orlando Service Area, 2019-2023



# Persons with HIV (Prevalence)

Country/Territory of Birth

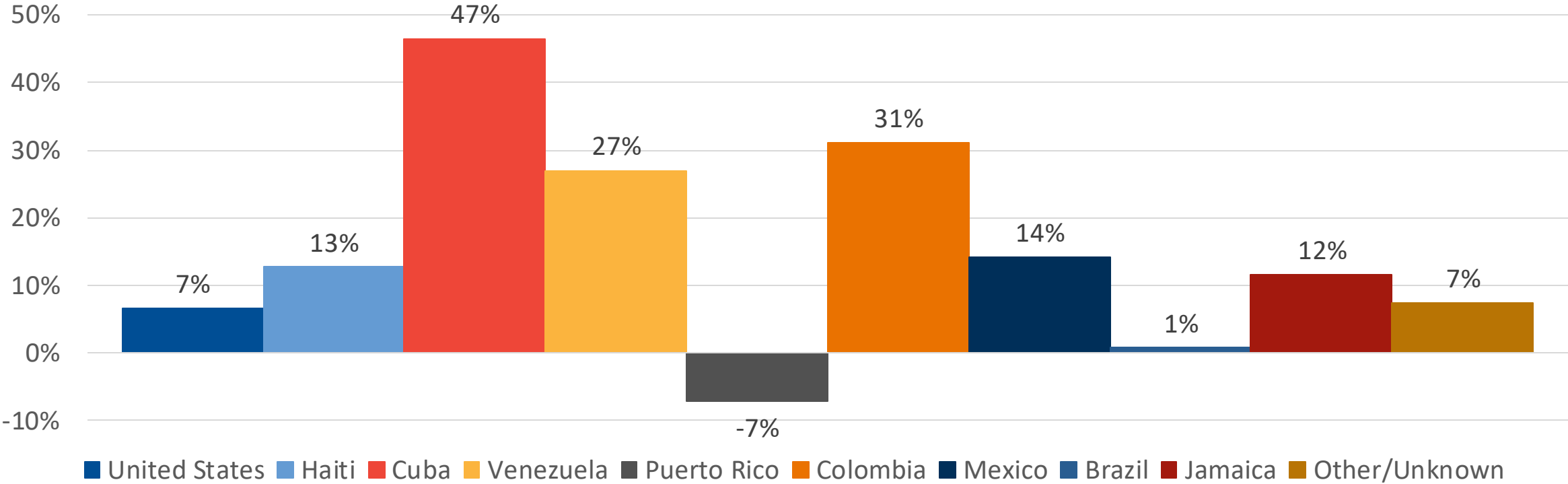
Orlando Service Area, 2023



# Persons with HIV (Prevalence)

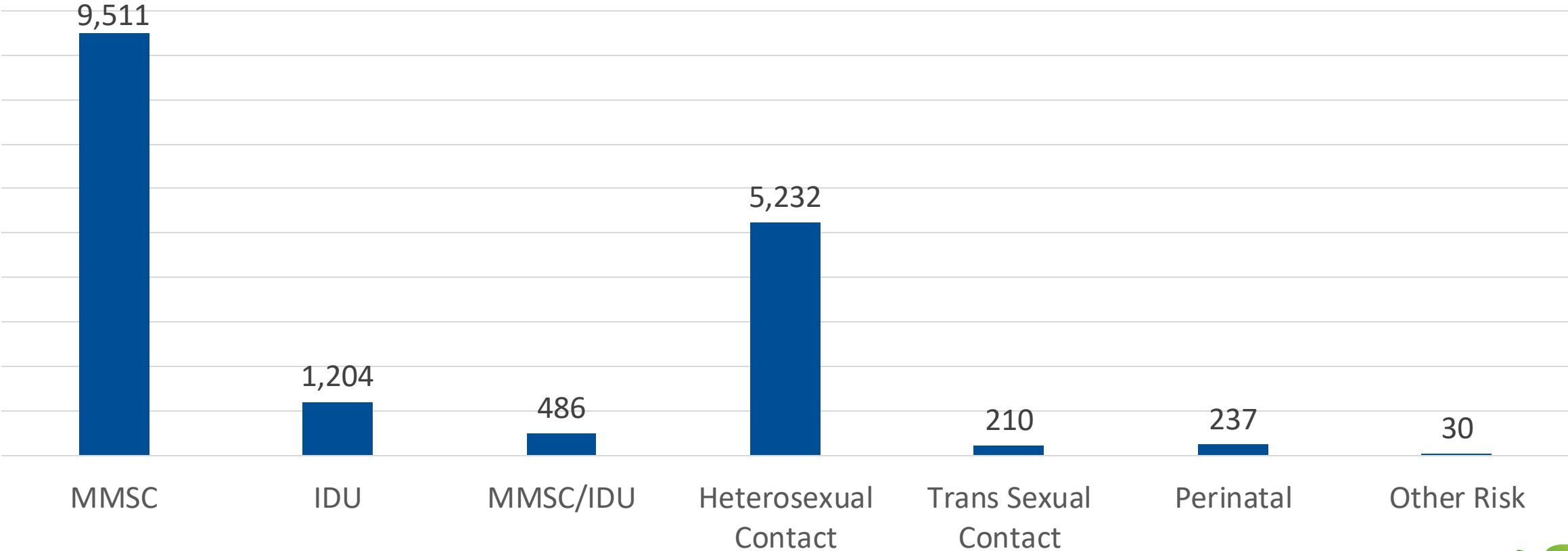
## Country/Territory of Birth

### Orlando Service Area, 2019-2023



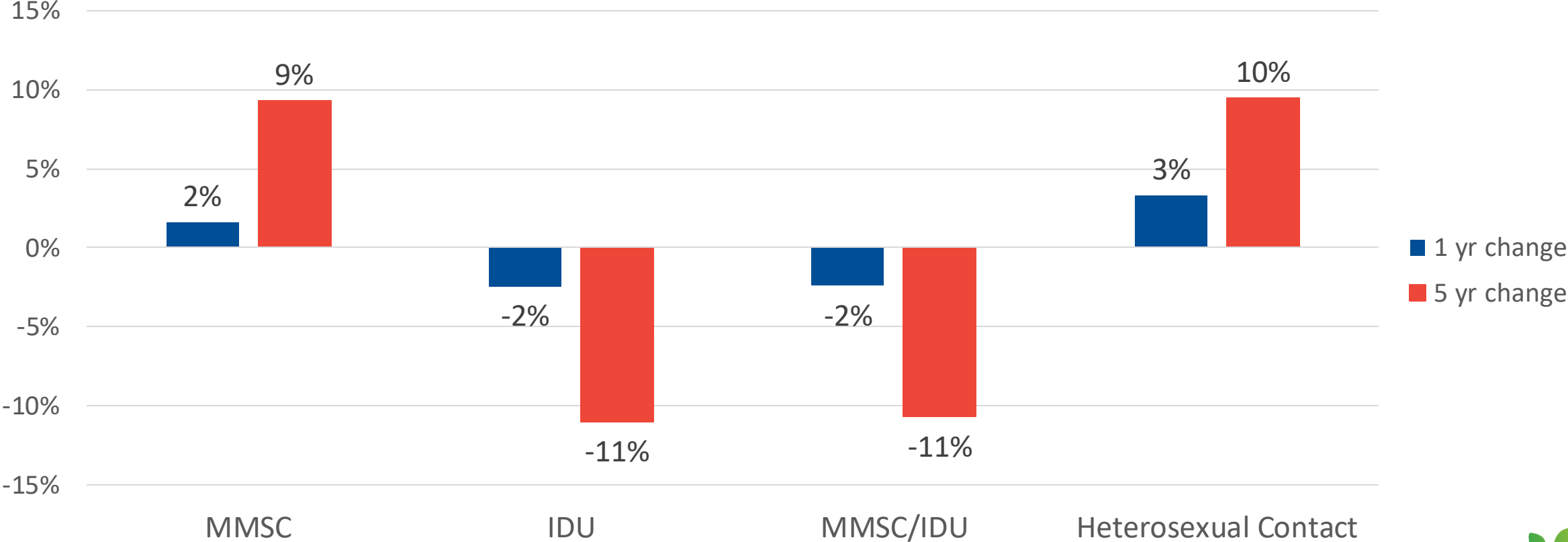
# Persons with HIV (Prevalence) by Exposure Category

Orlando Service Area, 2023



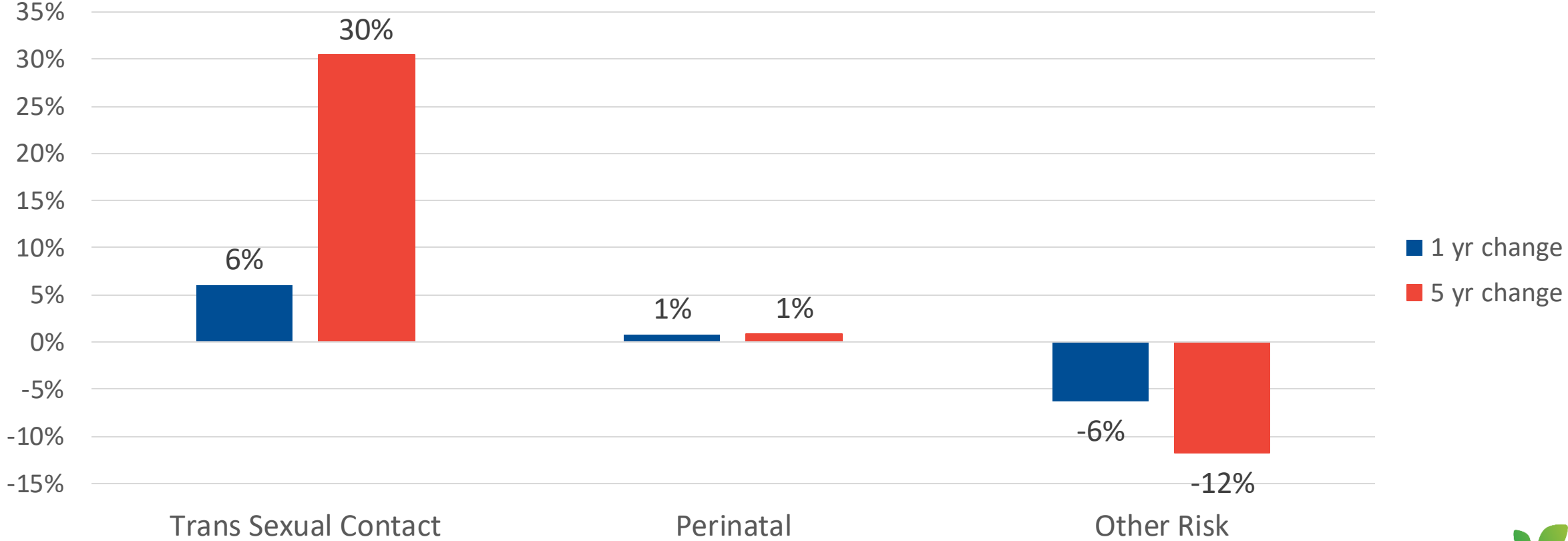
# PWH by Exposure Category

## Orlando Service Area, 2019-2023



# PWH by Exposure Category

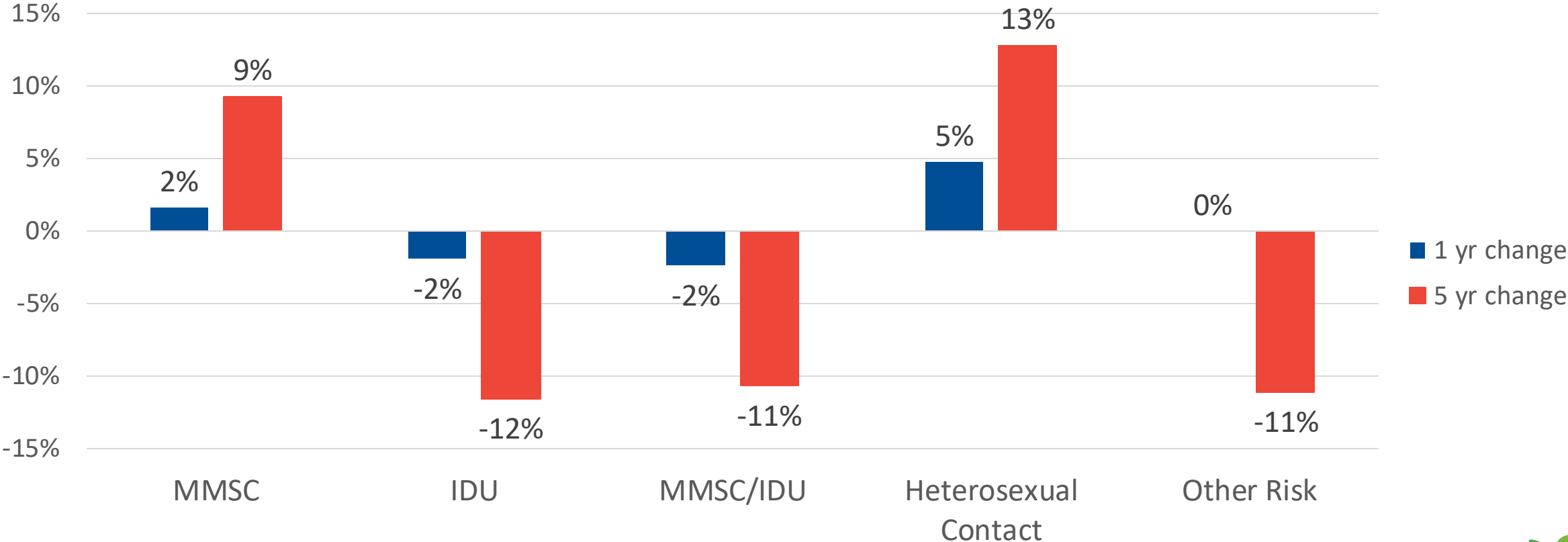
## Orlando Service Area, 2019-2023



# PWH by Exposure Category

Cisgender Men

Orlando Service Area, 2019-2023

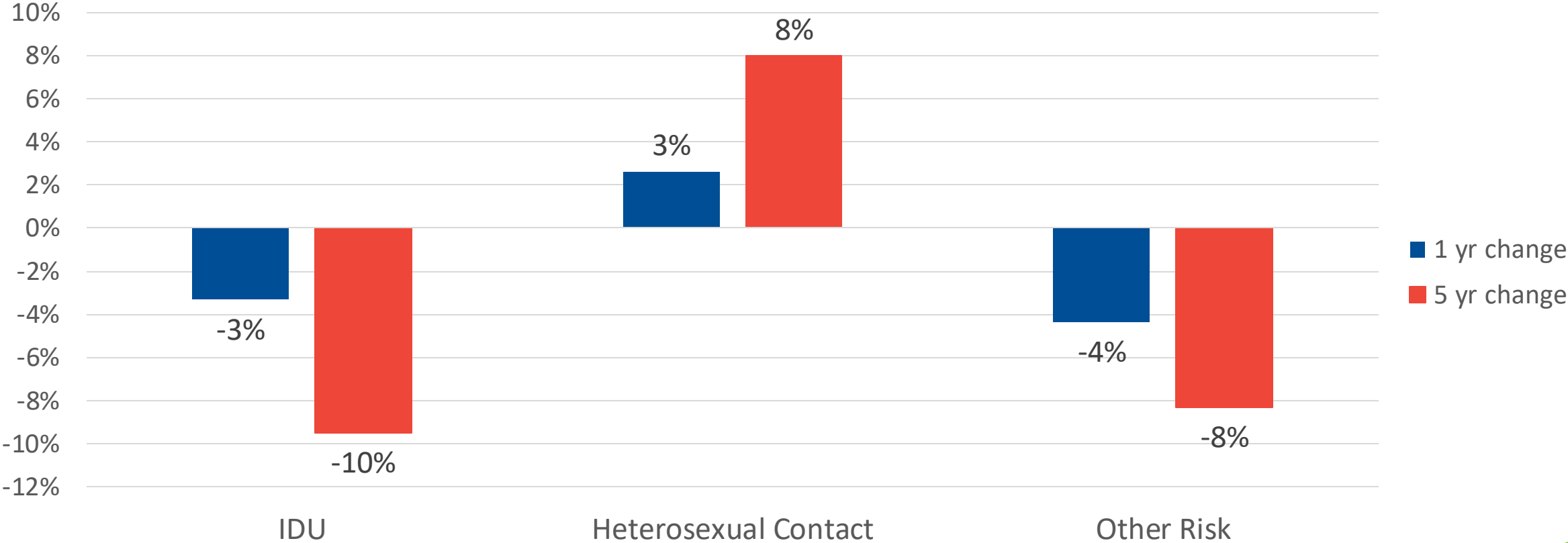




# PWH by Exposure Category

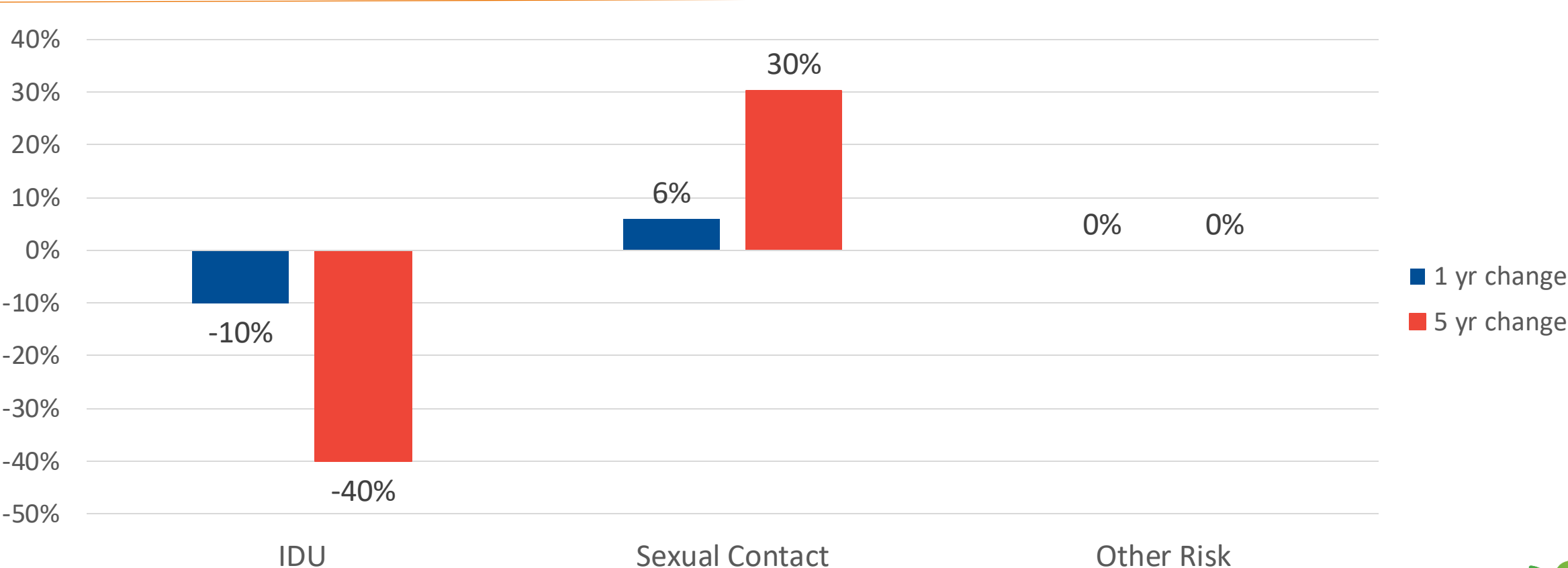
Cisgender Women

Orlando Service Area, 2019-2023



# PWH by Exposure Category

## Transgender and Additional Gender Sexual Contact Orlando Service Area, 2019-2023



# Persons Living with HIV - Summary

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- OSA
  - There were a total of 16,909 persons living with HIV in 2023 across the Orlando Service Area.
  - This reflects an increase of 2% since the previous year and a 7% increase across a 5 year period.
- Race/Ethnicity & Gender Identity
  - The Black population and Men are still disproportionately affected. Hispanic remains unchanged.
- Age
  - HIV is most prevalent among the 40+ age group, making up 70% of PWH.
  - The 60+ age group increased by 42% in the five year period, suggesting that people are living longer and managing their HIV.
- Exposure
  - MMSC continues to be most prevalent mode of transmission for PWH. However, the total number of PWH increased by 30% in the Trans Sexual Contact group across the five year period.

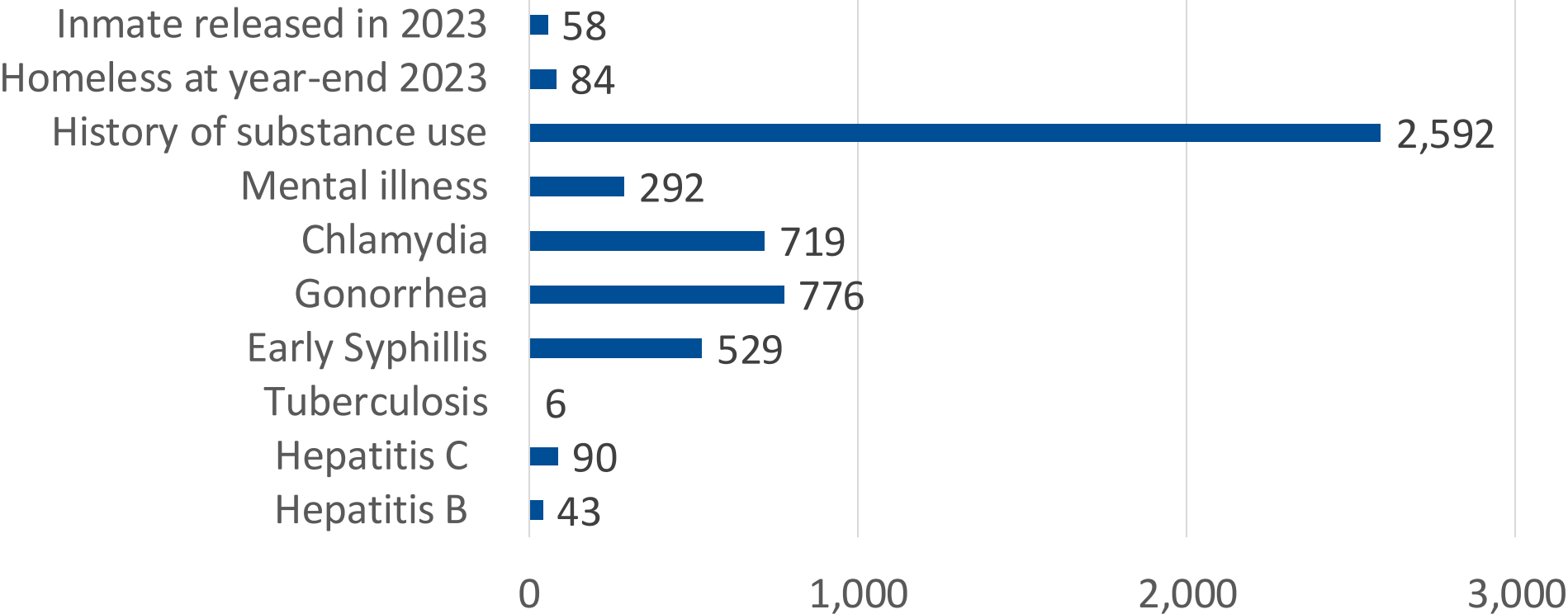


# Conditions often co-occurring with HIV

Comorbidity includes PWH who received a diagnosis of an additional condition in 2023



# Conditions co-occurring with HIV Orlando Service Area, 2023

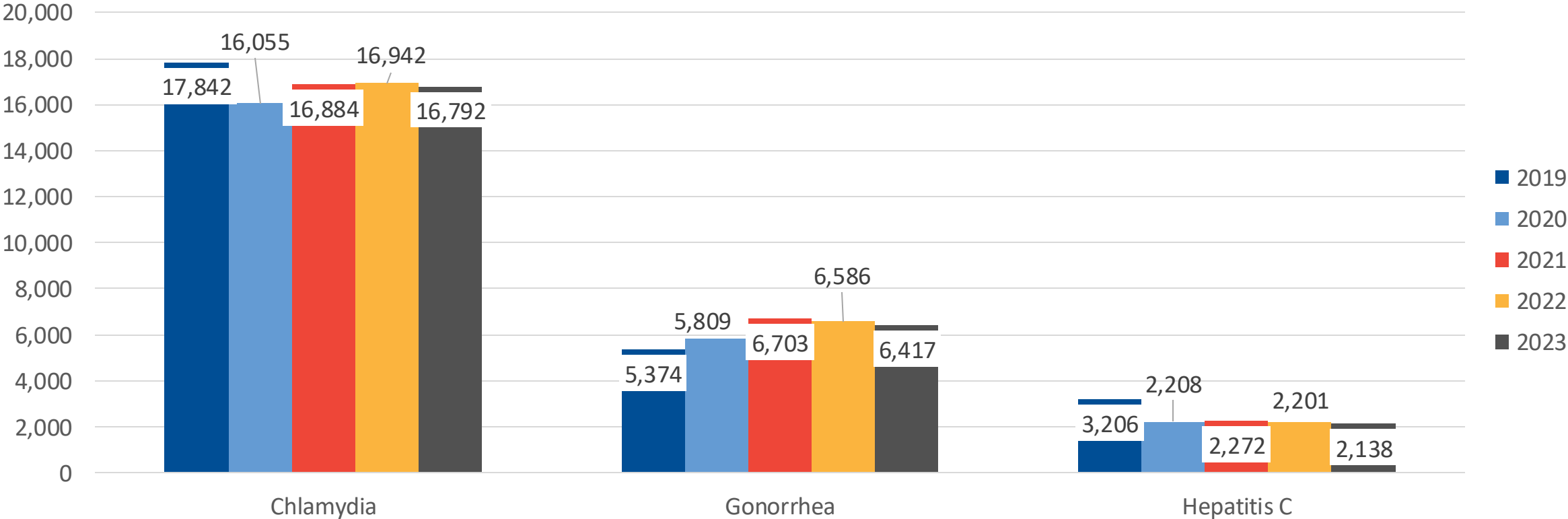


# New Sexually Transmitted Infection (STI) Cases

Incidence of STIs do not include a diagnosis of HIV



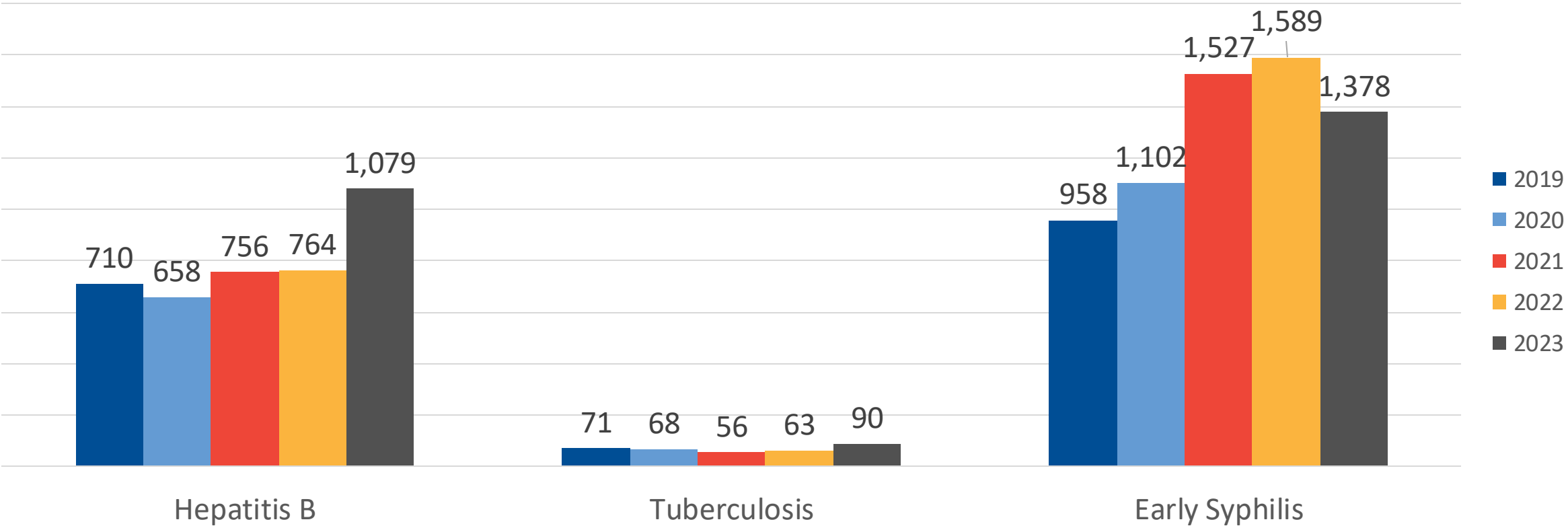
# Incidence of Gonorrhea, Chlamydia and HCV Orlando Service Area, 2019-2023



	Chlamydia	Gonorrhea	Hep C
1 yr change	-1%	-3%	-3%
5 yr change	-6%	19%	-33%



# Incidence of Syphilis, HBV and TB Orlando Service Area, 2019-2023



	Hep B	TB	Syphilis
1 yr change	41%	43%	-13%
5 yr change	52%	-27%	44%





# Co-Occurring Conditions and STIs - Summary

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## Co-Occurring Conditions

- Substance use continues to be the most prevalent co-occurring condition with HIV across the OSA, followed by Gonorrhea, Chlamydia, and Syphilis.

## Sexually Transmitted Infections

- Although there was little change since the previous year, new cases of Gonorrhea (19%) have increased across the five year period.
- Hepatitis C infections have decreased by 33% across the five year period.
- Hepatitis B (52%) and Early Syphilis (44%) cases continue to increase across the OSA. Tuberculosis cases have decreased by 27% across the five year period.
- No data is available for Hepatitis A

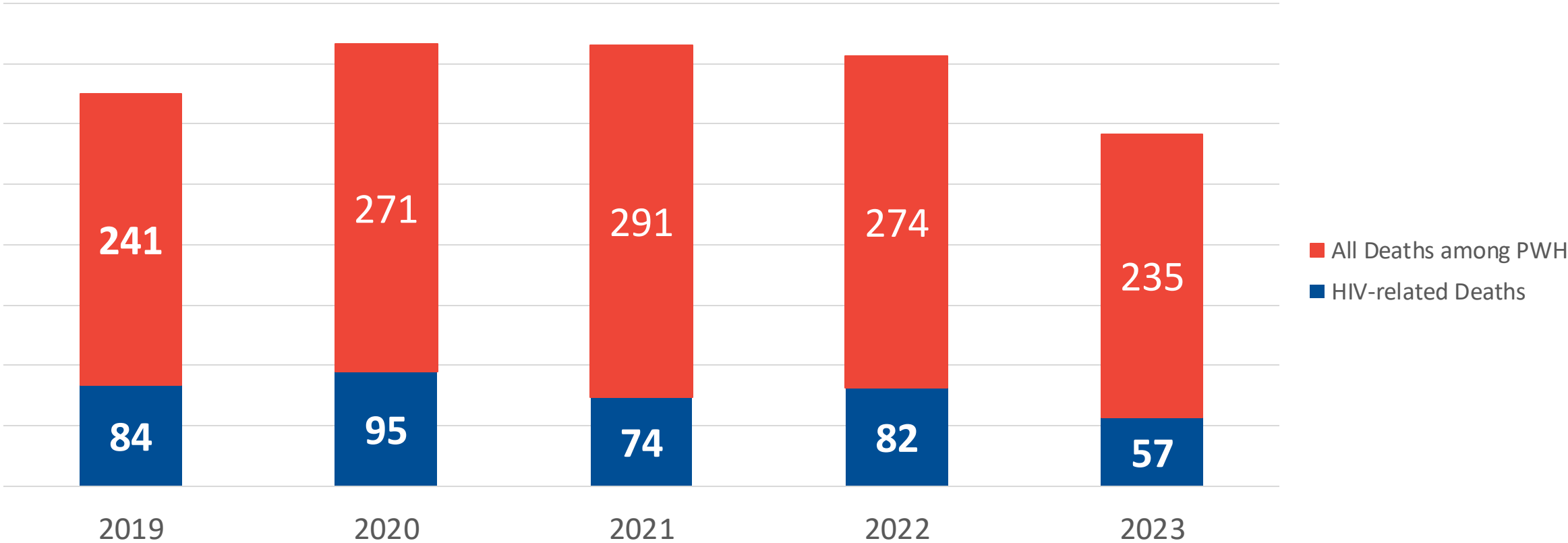


# HIV-Related Deaths



# HIV-Related Deaths Compared with All Deaths among PWH

Orlando Service Area, 2019-2023

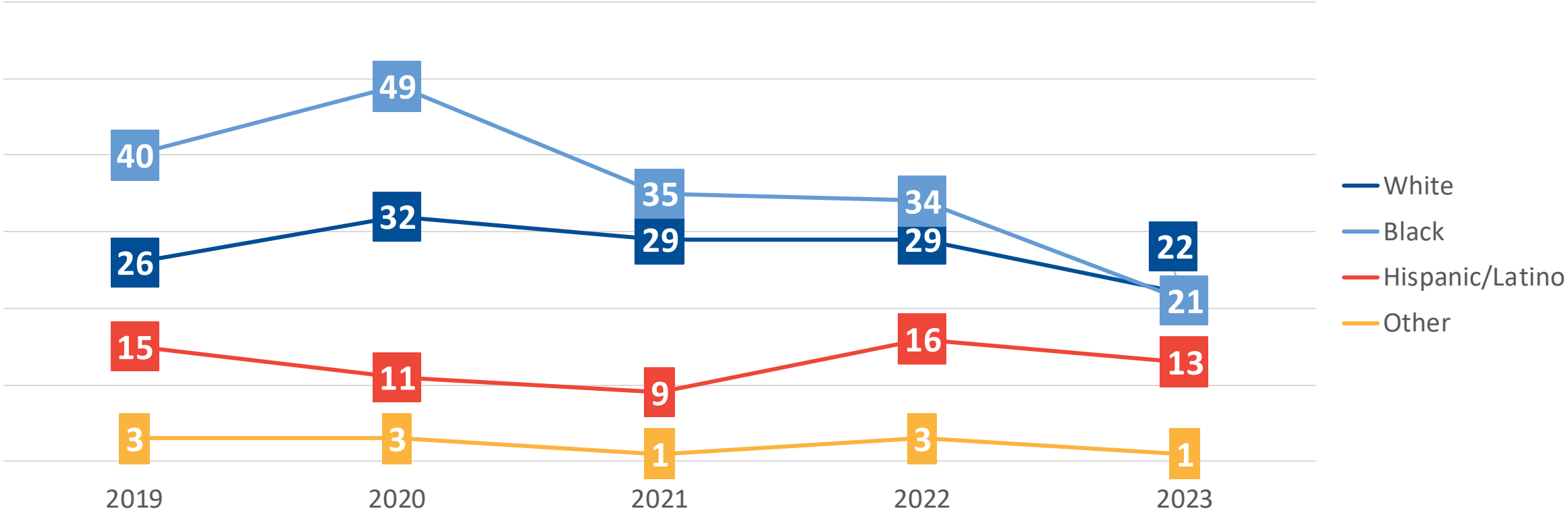


	HIV-related Deaths	All Deaths among PWH
1 yr change	-30%	-14%
5 yr change	-32%	-3%



# HIV-Related Deaths by Race/Ethnicity

## Orlando Service Area, 2019-2023



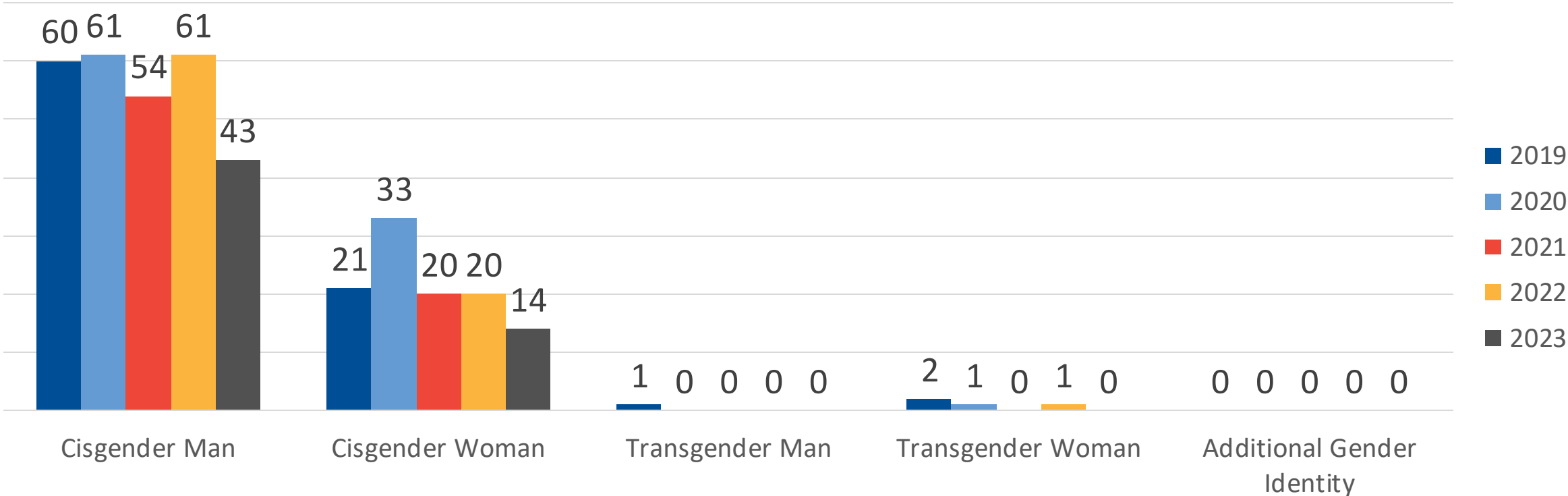
	White	Black	Hispanic/Latinx	Other
1 yr change	-24%	-38%	-19%	-67%
5 yr change	-15%	-48%	-13%	-67%

\*White, Black and Other categories represent Non-Hispanic groups. 'Other' includes: American Indian/Alaska Native, Asian, and Native Hawaiian/Pacific Islander and Multi-race



# HIV-Related Deaths by Gender

## Orlando Service Area, 2019-2023

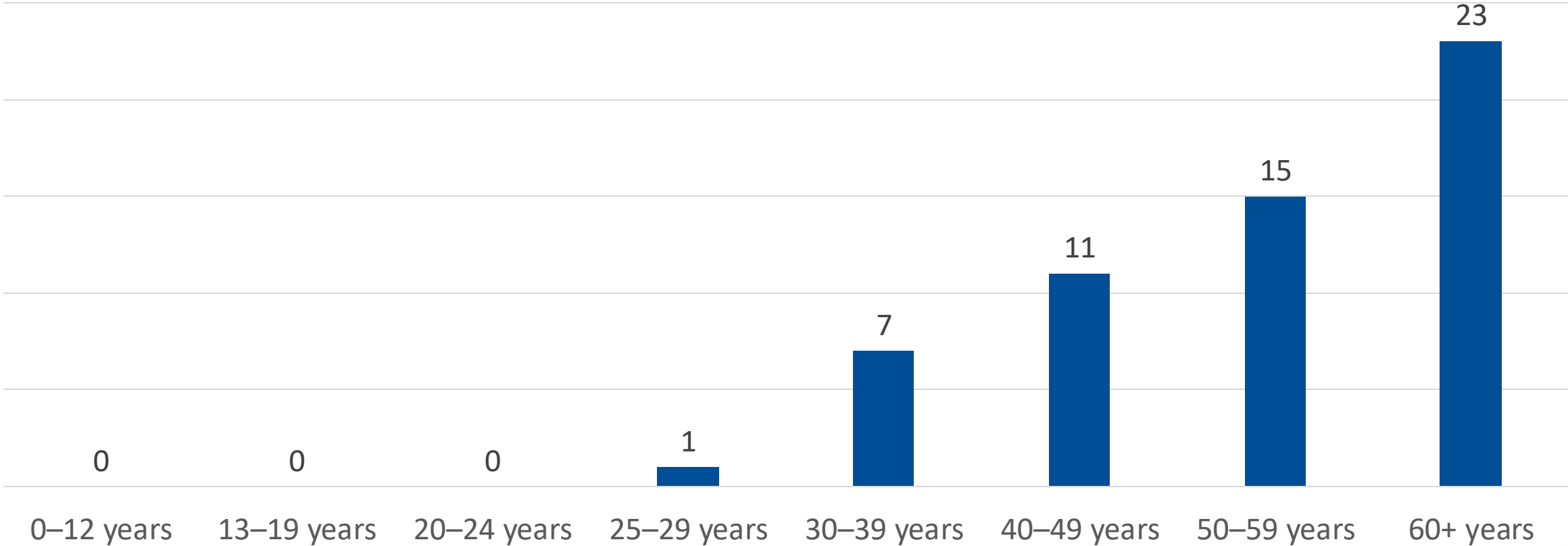


	Cis Man	Cis Woman	Trans Man	Trans Woman	Additional
1 yr change	-30%	-30%	-	-100%	-
5 yr change	-28%	-33%	-100%	-100%	-



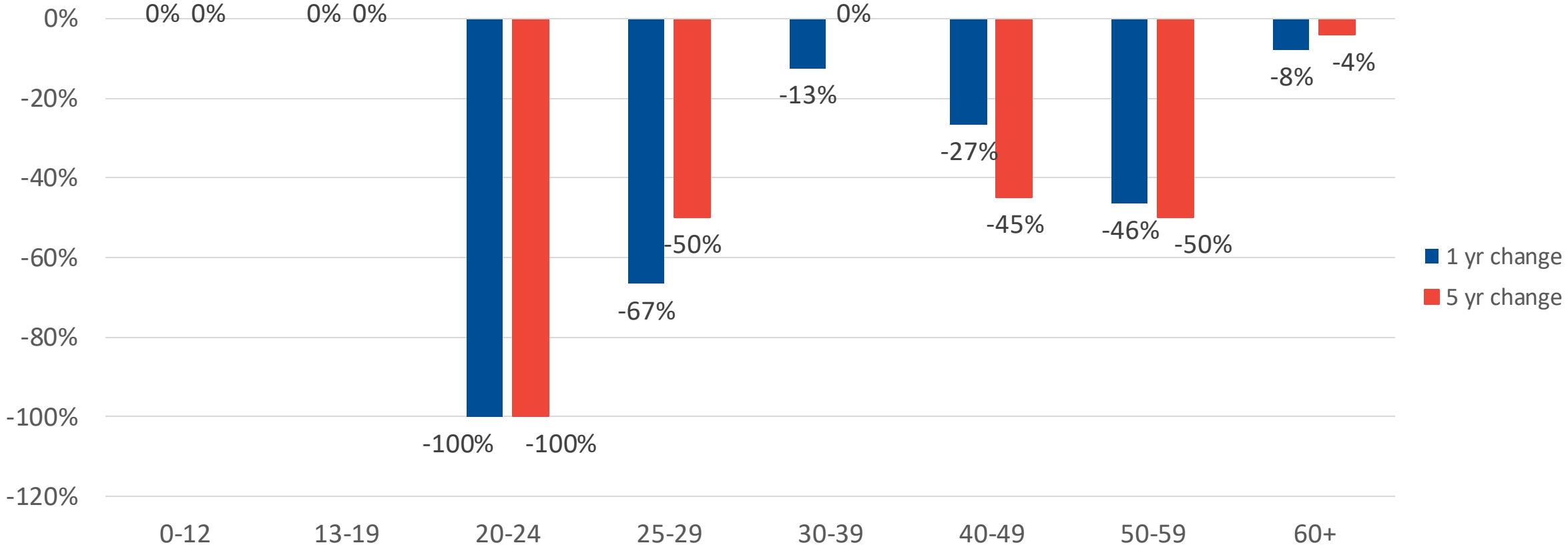
# HIV-Related Deaths by Age Group

Orlando Service Area, 2023



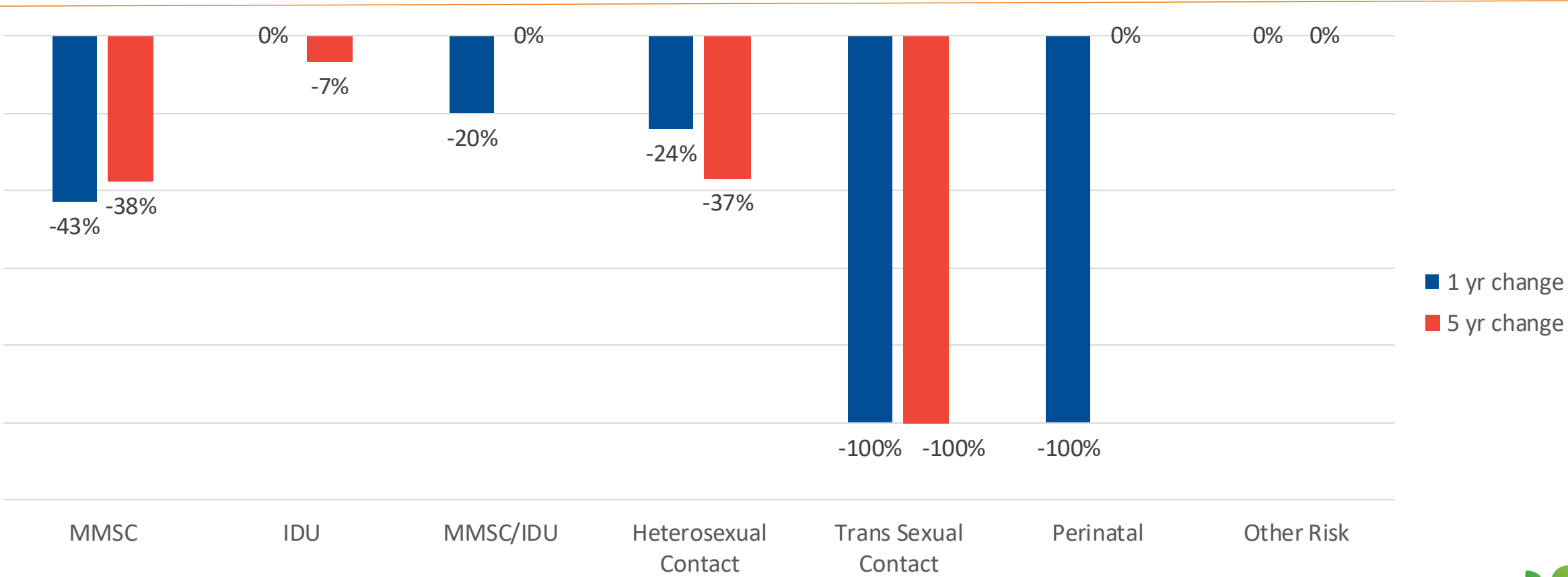
# HIV-Related Deaths by Age Group

Orlando Service Area, 2019-2023



# HIV-Related Deaths by Exposure Category

Orlando Service Area, 2019-2023





# HIV-Related Death Cases - Summary

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- **OSA**
  - There were 57 HIV-related deaths in 2023. This is a decrease of 30% since the previous year and 32% overall.
  - HIV-related deaths made up 24% of all deaths among PWH in 2023. This is down from 35% in 2019.
- **Race/Ethnicity**
  - HIV-related deaths have increased for all race/ethnicity groups since the previous year and overall.
  - Blacks (37%) continue to make up a disproportionate number of HIV-related deaths.
- **Gender**
  - HIV-related deaths have decreased for all gender identities since the previous year and overall.
- **Age**
  - All age groups have seen a decrease in HIV-related deaths with the exception of 30-39 and 60+ year olds who saw little to no change.
- **Exposure**
  - HIV-related deaths are down for all transmission groups except for MMSC/IDU. No Perinatal or Other Risk deaths were reported.
  - HIV-related deaths are disproportionately impacting MMSC.



# Questions

