

EPIDEMIOLOGICAL PROFILE AND CONTINUUM OF CARE DATA

HIV Care Council for Palm Beach County

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June 24, 2019



My role as epidemiologist and data analyst

- Epidemiology is the study of patterns, causes, and effects of health in defined populations
- My role is to present and explain data in a clear and understandable way
- I respond to requests for data and data presentations from the HIV Care Council
- I am not a full member of the HIV Care Council and I do not vote or make the decisions

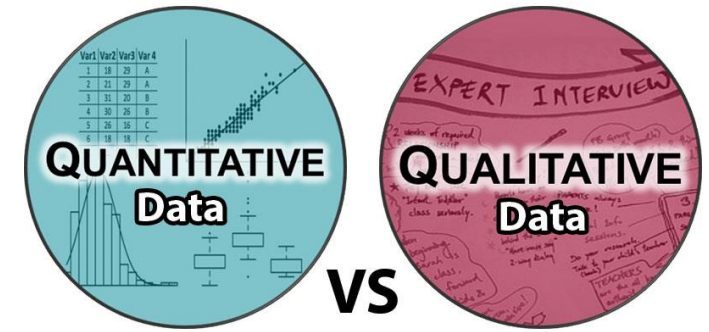


epidemiology

The word "epidemiology" is displayed in a sans-serif font. The prefix "epi" is in black, "emi" is in orange, and "ology" is in grey. Three brackets are used to highlight parts of the word: a black bracket above "epi" with the label "upon" in italics; a black bracket above "ology" with the label "study" in italics; and an orange bracket below "emi" with the label "people" in italics.

What is DATA?

- Data is INFORMATION
- Quantitative data are things you can count – i.e. NUMBERS
 - Helps you understand WHO is experiencing **gaps** and **disparities** and in care, WHERE this is happening and WHEN things have happened
 - Number of people not virally suppressed, among which groups
 - Through collection of HIV clinic data, labs, prescriptions
- Qualitative data are concepts and stories – i.e. WORDS
 - Helps you understand WHY there are **gaps** and **disparities** in care and WHAT you might be able to address them
 - Barriers and facilitators to care, ideas for interventions
 - Through interviews and focus groups

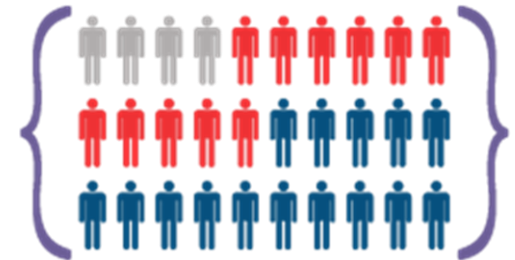


Gap: where a person experiences a discrepancy between recommended best practices and the care that is actually provided due to issues of access, coordination or other barriers

Disparity: when demographic groups, based on race/ethnicity, gender, age, or other group-characteristic, experiences lower health outcomes

Data driven: Quantitative

- It is important to consider how many people could be impacted with your decision
- To impact the largest number of people, it is helpful to consider data
 - Numbers of people
 - How many people
 - Percentage of population
 - “of 100 people from this group, how many are _____?”
 - Gaps in the continuum of care
 - Disparities in the continuum of care
- This information can help you target populations with the greatest need



QUANTITATIVE data available

- Palm Beach County HIV Care Continuum Data from Florida Department of Health
- HRSA Client-Level Reports
- Provide Enterprise Data



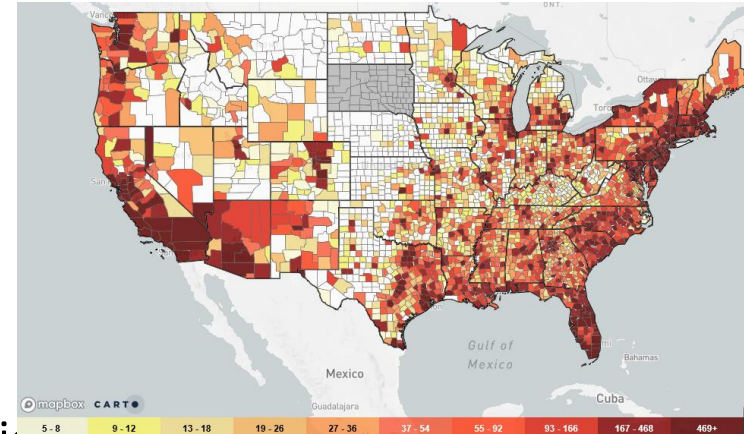
HIV care continuum and new diagnoses by year, race/ethnicity, gender, age, and transmission histories

In August, we will have more information on country of origin and missing viral loads vs. documented not virally suppressed

Trying to find more information for mental health, substance abuse, incarceration history, homelessness status, income level

Additional data sources

- Map data
 - See which communities are impacted
 - Target neighborhoods and communities
- Studies and reports from other Ryan White interventions
 - Interventions others have done to improve outcomes
 - Can try it here and see if it works
- HAB Metrics, RSR Report
- Needs assessment
- Statewide Coordinated Statement of Need/Unmet Need
- Integrated Plan



[AIDS and Behavior](#)

April 2019, Volume 23, Issue 4, pp 966-972 | [Cite as](#)

Jail-Based Case Management Improves Retention in HIV Care 12 Months Post Release

Authors

[Authors and affiliations](#)

Ann Avery , Rachel Ciomica, Michael Gierlach, Rhoderick Machezano

Original Paper

First Online: 24 October 2018

4

Shares

121

Downloads

Abstract

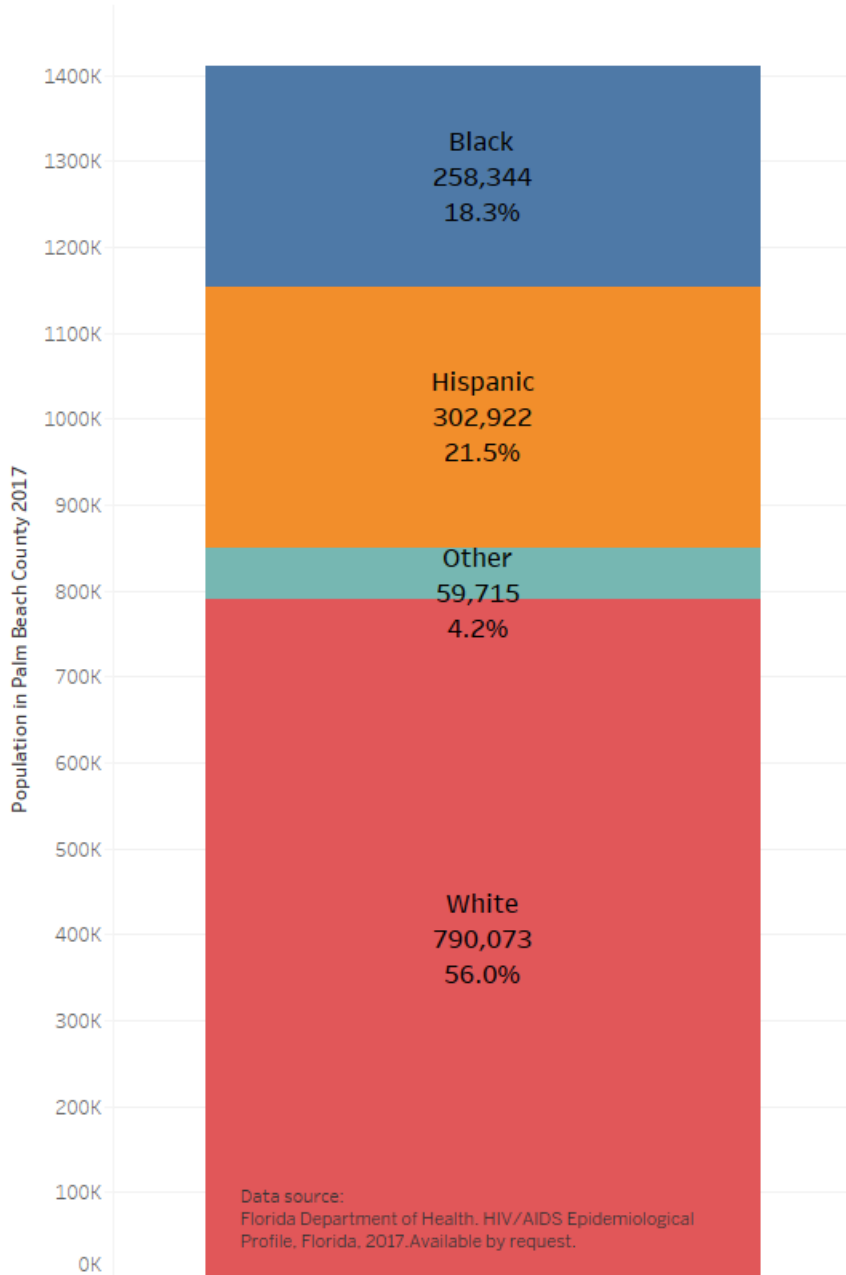
Continuous and coordinated HIV care is essential for persons living with HIV to benefit from the advances in medical treatment of the disease. Approximately one in seven individuals living with HIV pass through correctional facilities annually. While sentenced individuals may receive discharge planning services, detainees in local jails usually do not. The multisite evaluation of the EnhanceLink initiative demonstrated that jail based services including discharge planning were associated with high rates of linkage to community HIV care upon release. Follow up for the multisite evaluation was limited to 6 months. This paper extends follow up to 12 months at one site and demonstrates that clients who were linked by the jail based case manager to a Ryan White community based case manager were more than nine times more likely to be retained in care at 12 month post release. (OR 9.39, CI 1.11–79.12).

EPIDEMOLOGICAL PROFILE (DEMOGRAPHIC DATA)

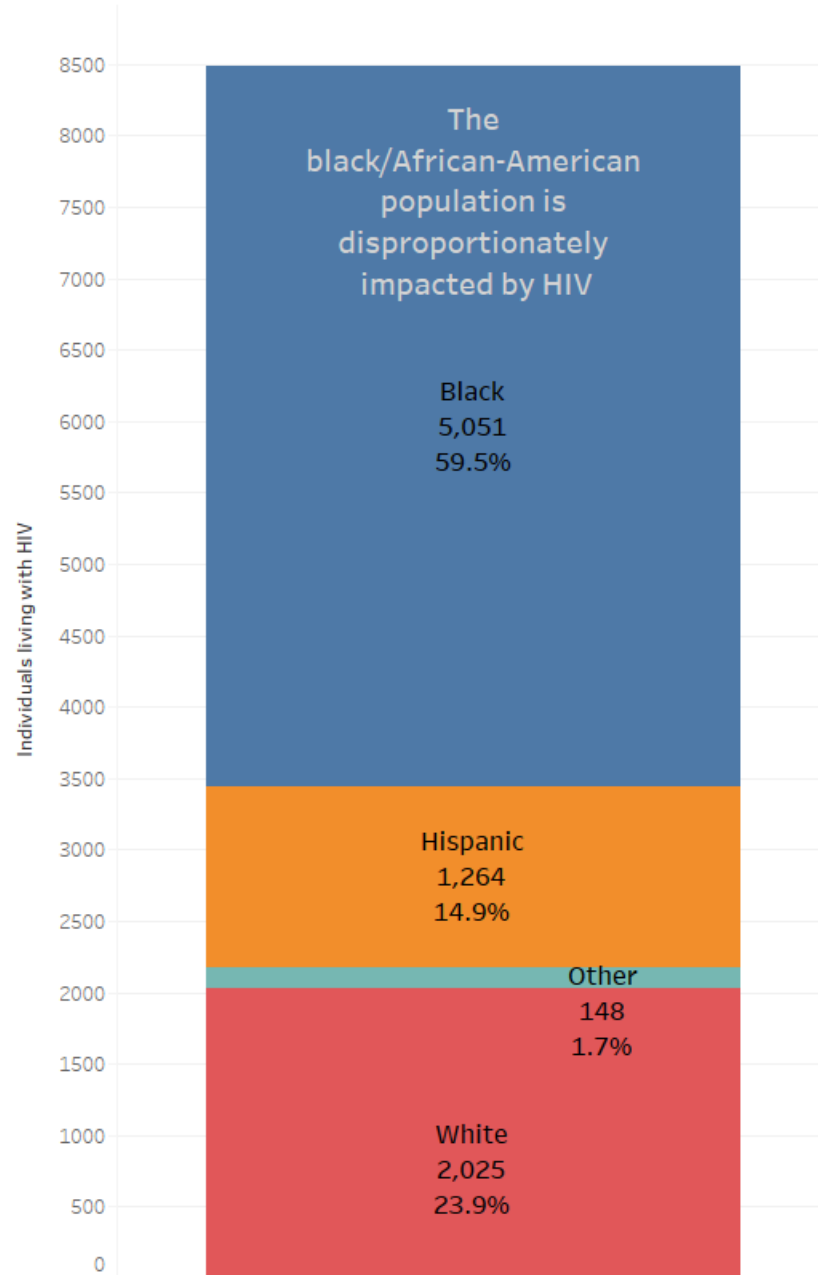
PALM BEACH COUNTY 2017

RYAN WHITE 2017

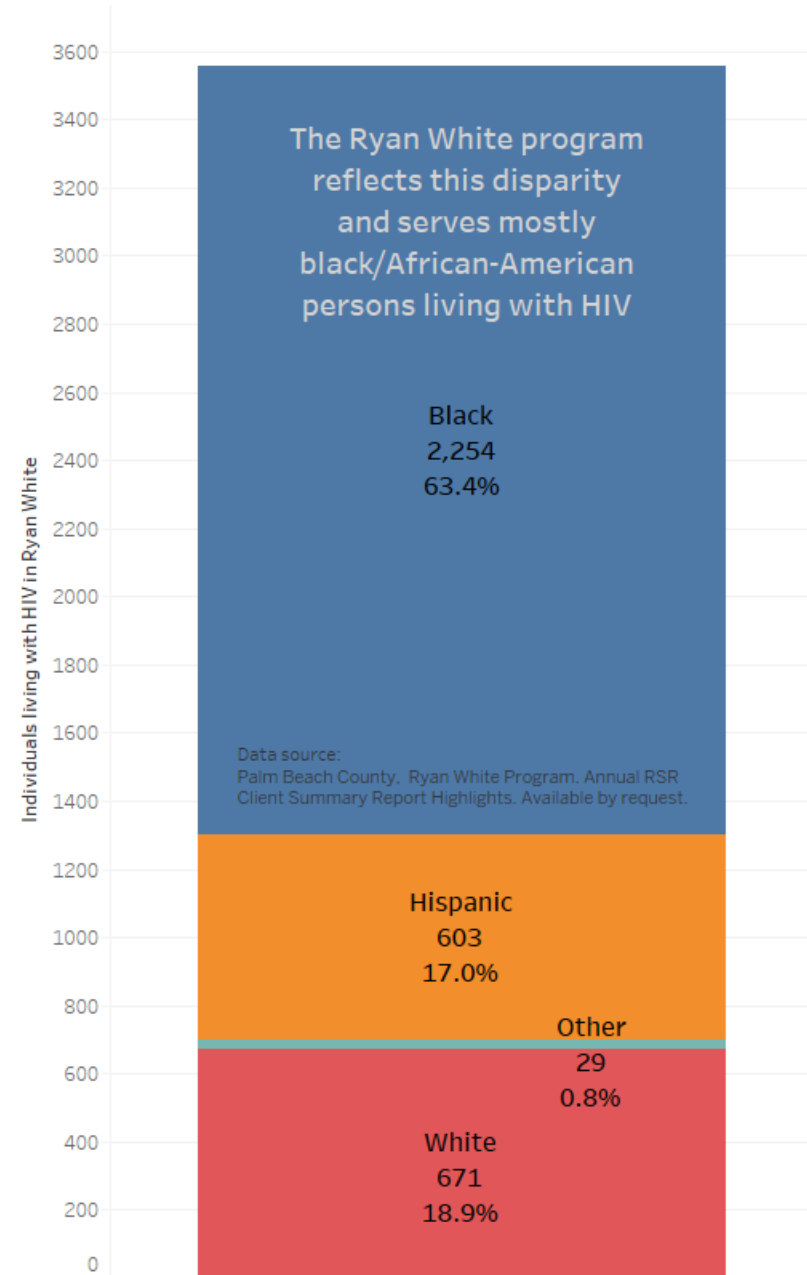
Population in Palm Beach County 2017 by Race/Ethnicity



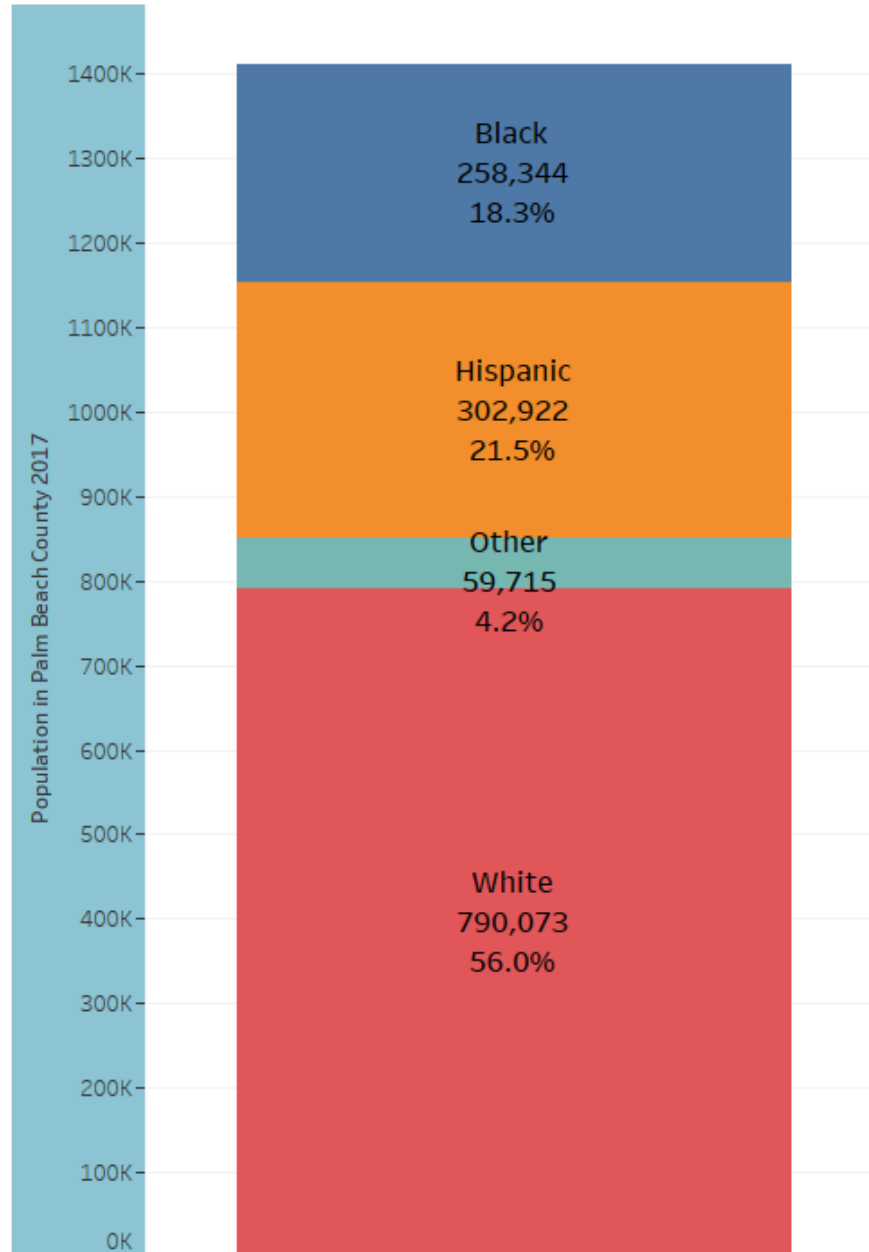
People Living with HIV in Palm Beach County 2017 by Race/Ethnicity



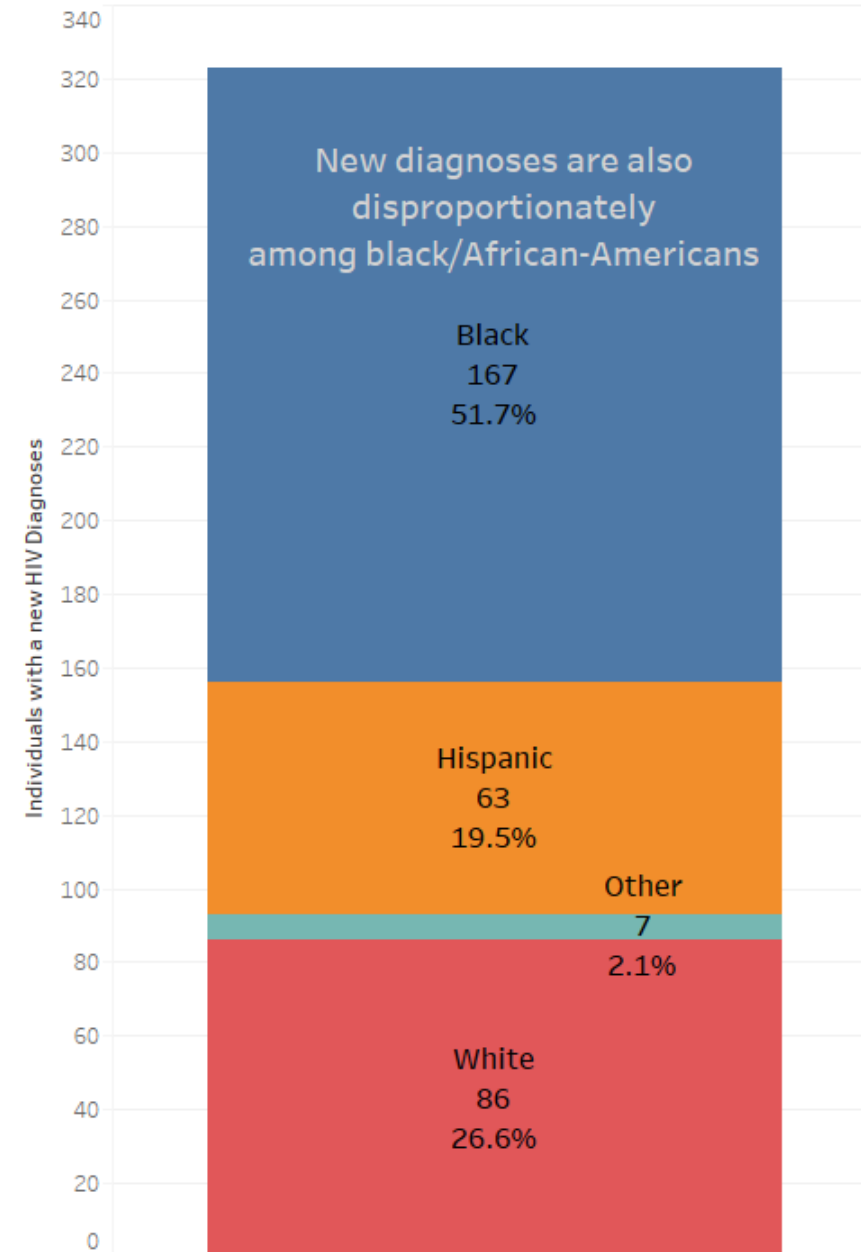
People Living with HIV in Ryan White Program 2017 by Race/Ethnicity



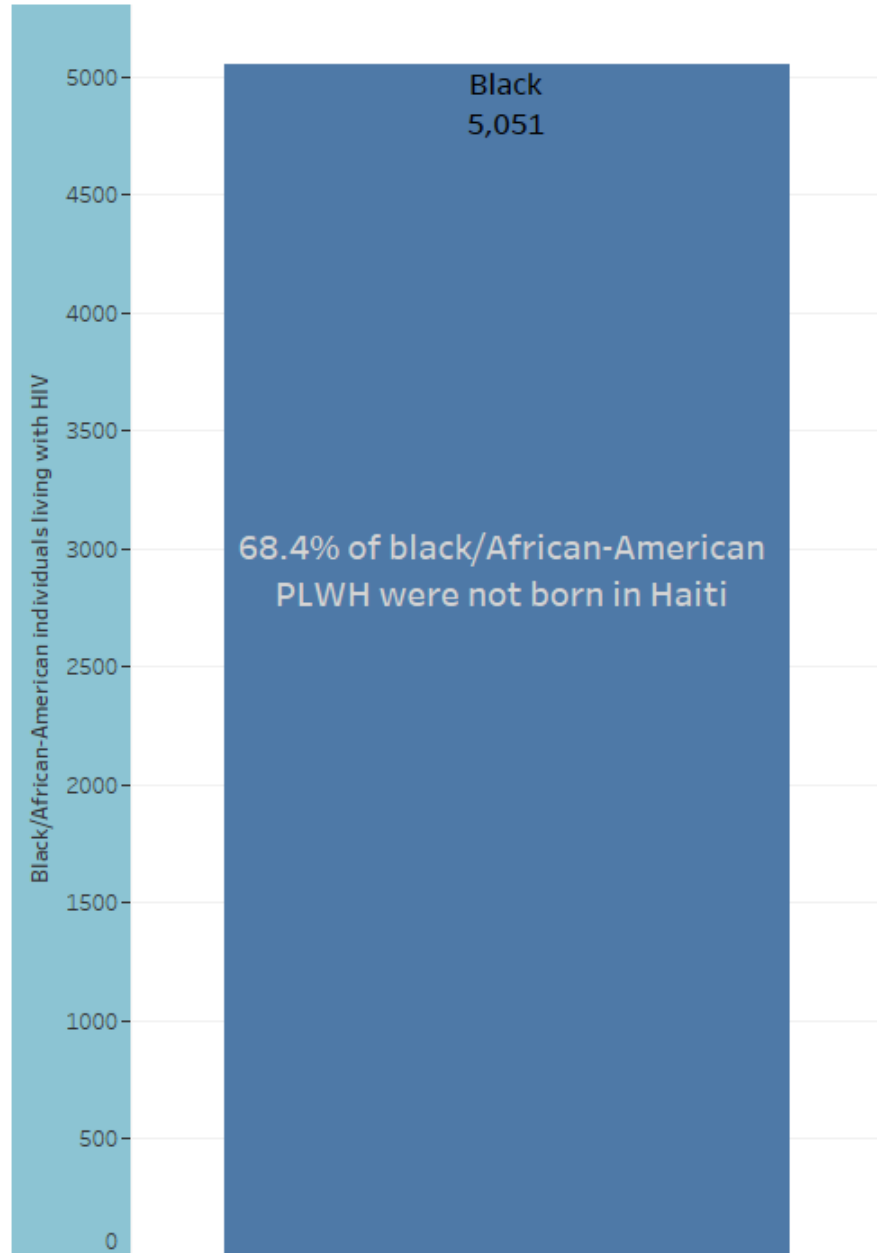
Population in Palm Beach County 2017 by Race/Ethnicity



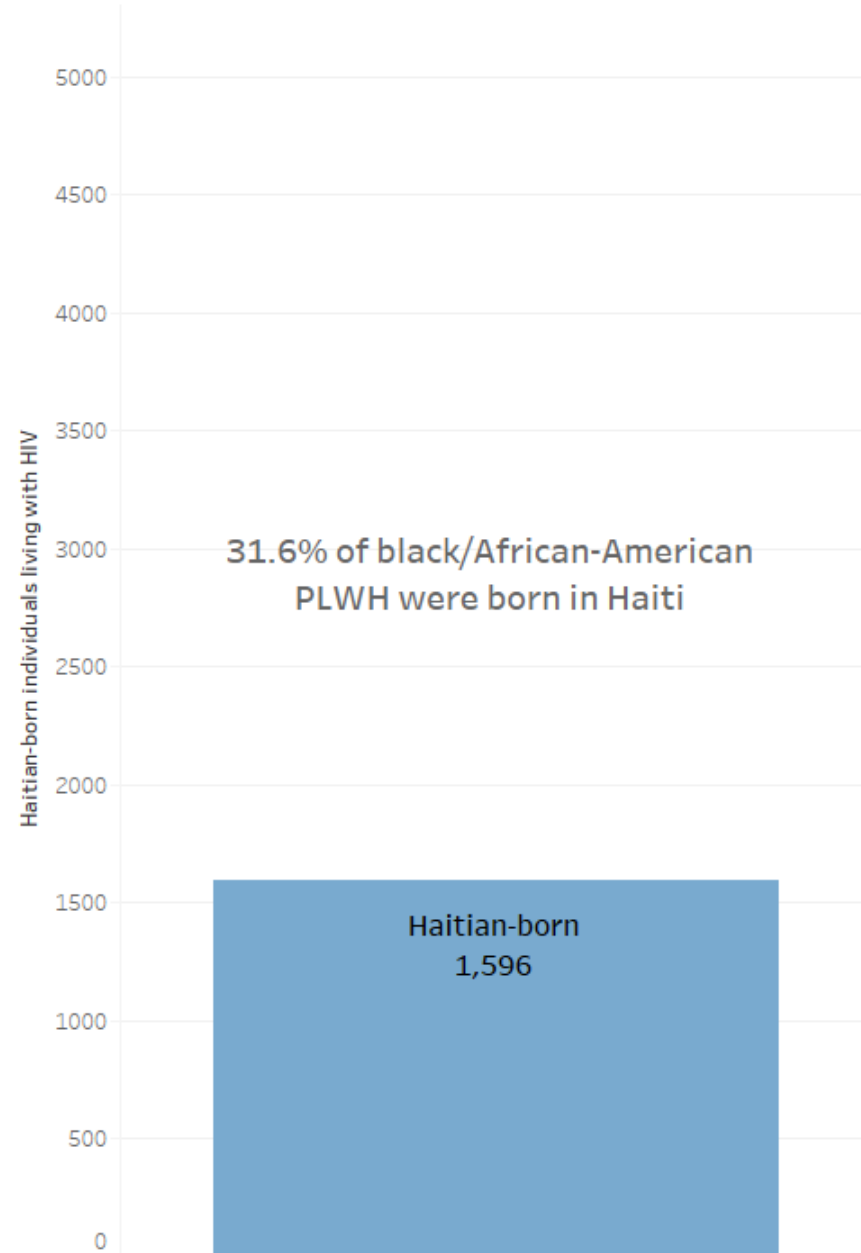
New HIV Diagnoses in Palm Beach County 2017 by Race/Ethnicity



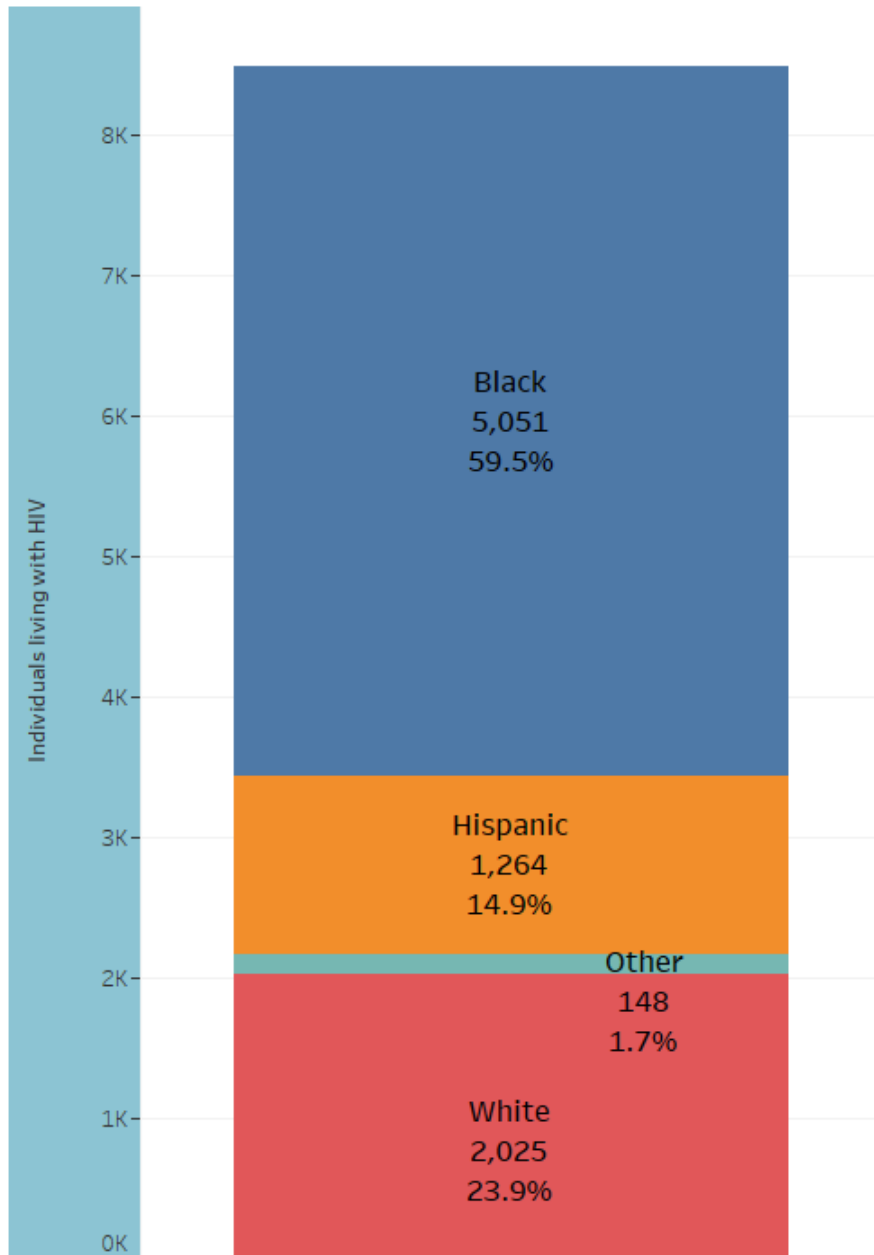
Black/African-American persons living with HIV in Palm Beach County 2017



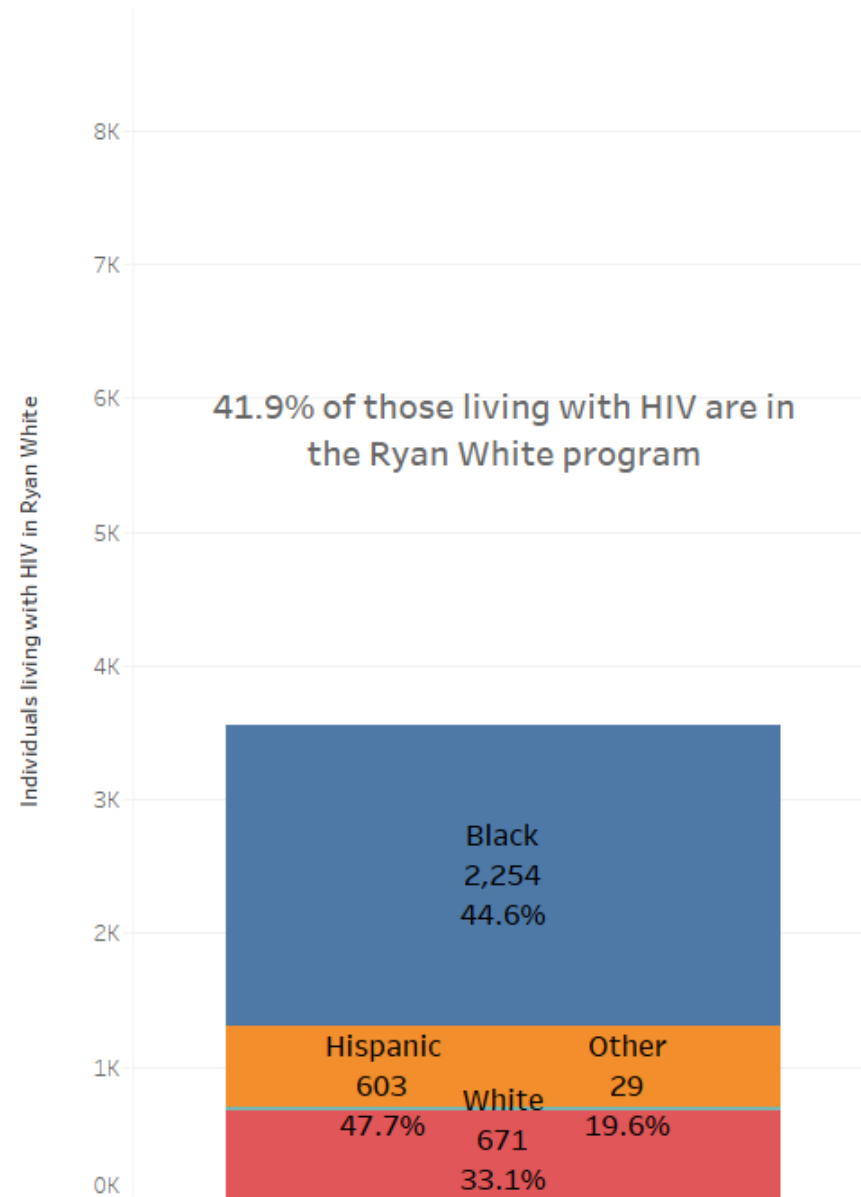
Haitian-born persons living with HIV (PLWH) in Palm Beach County 2017



People Living with HIV in Palm Beach County 2017 by Race/Ethnicity



Percentage of PLWH in Palm Beach County who are in Ryan White 2017 by Race/Ethnicity



HIV CARE CONTINUUM DATA

PALM BEACH COUNTY 2017

RYAN WHITE 2018

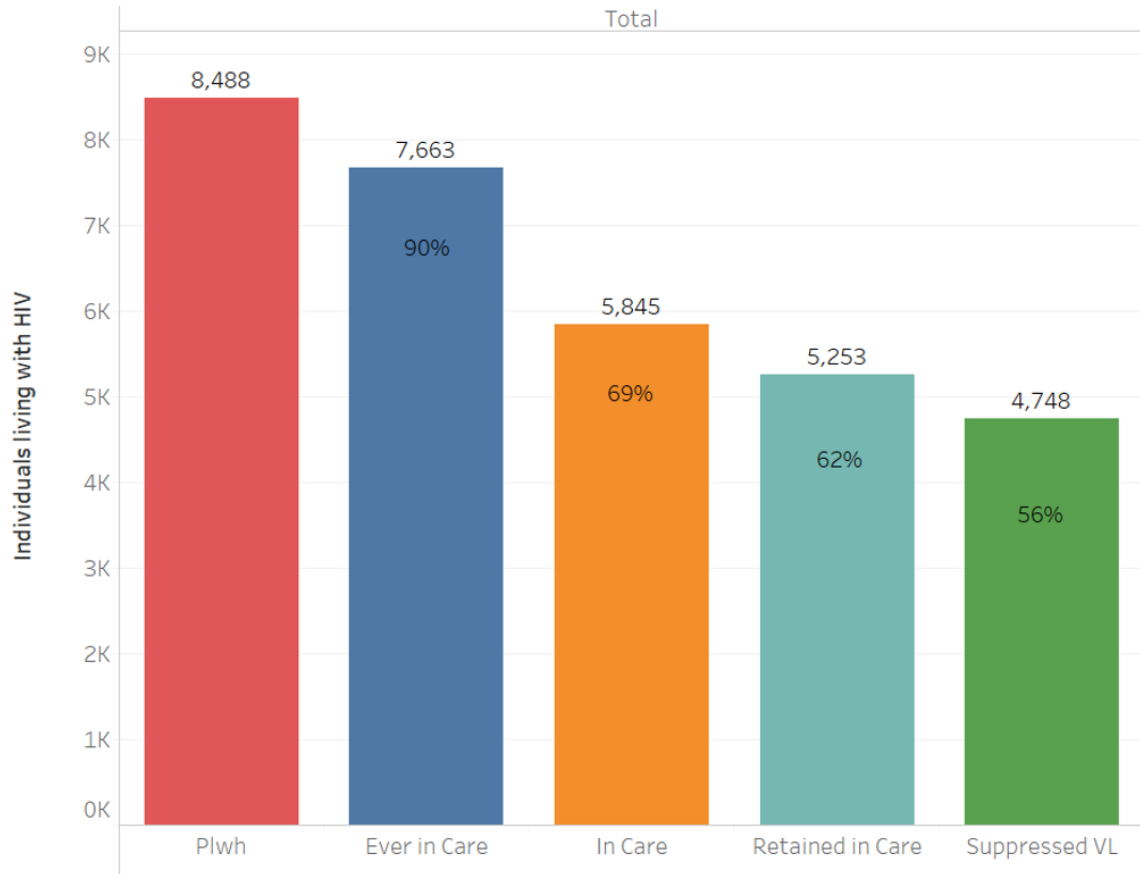
DEFINITIONS for Palm Beach County Data

- **Persons Living with HIV:** The number of persons known to be living with an HIV diagnosis (PLWH) at the end of 2017
- **Ever in Care:** PLWH with at least one documented Viral Load (VL) or CD4 lab, medical visit, or prescription from HIV diagnosis through 3/31/2018
- **In Care:** PLWH with at least one documented VL or CD4 lab, medical visit, or prescription from 1/1/2017 through 3/31/2018
- **Retained in Care:** PLWH with two or more documented VL or CD4 labs, medical visits, or prescriptions at least three months apart from 1/1/2017 through 6/30/2018
- **Suppressed Viral Load:** PLWH with a suppressed VL (<200 copies/mL) on the last VL from 1/1/2017 through 3/31/2018

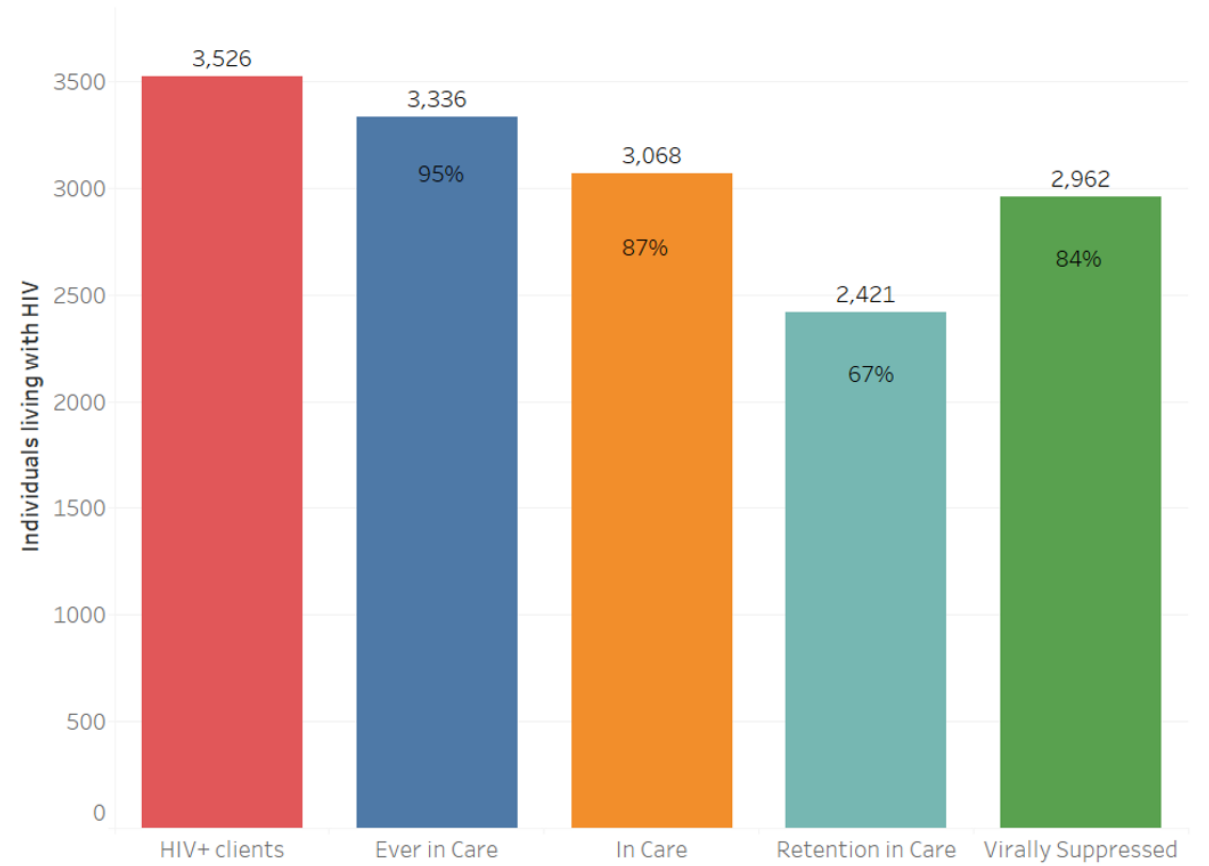
DEFINITIONS for Ryan White Data

- **Persons Living with HIV:** The number of persons known to be living with an HIV diagnosis (PLWH) at the end of 2018 in the Ryan White program in Palm Beach County in the Provide Enterprise system
- **Ever in Care:** PLWH with at least one documented Viral Load (VL) or CD4 lab, or “kept” medical visit from HIV diagnosis through 12/31/2018
- **In Care:** PLWH with at least one documented VL or CD4 lab, “kept” medical visit, prescription dispensed, or a payment request “paid” (co-pay or deductible) from 1/1/2018 through 12/31/2018
- **Retained in Care:** PLWH with two or more documented VL or CD4 labs, “kept” medical visits, prescriptions dispensed, or a payment request “paid” (co-pay or deductible) at least three months apart from 1/1/2018 through 12/31/2018
- **Suppressed Viral Load:** PLWH with a suppressed VL (<200 copies/mL) on the last VL from 1/1/2018 through 12/31/2018

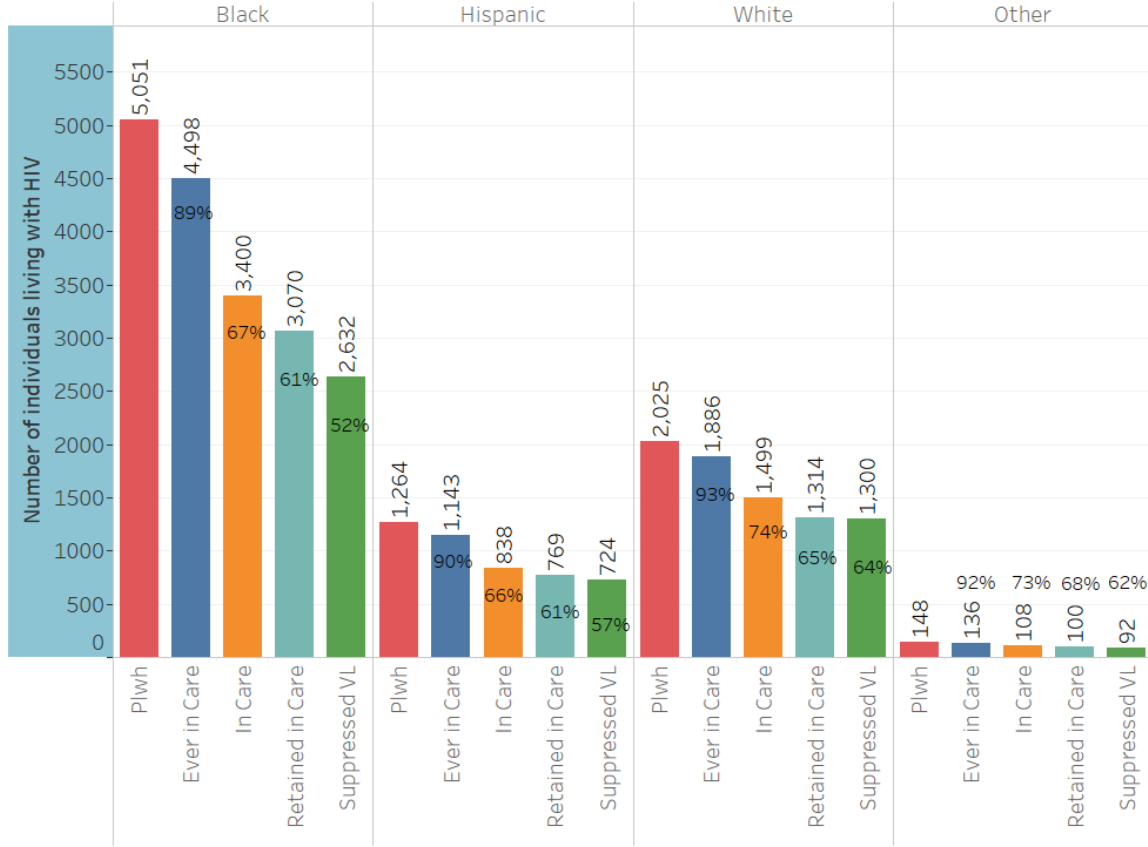
HIV Care Continuum Palm Beach County 2017



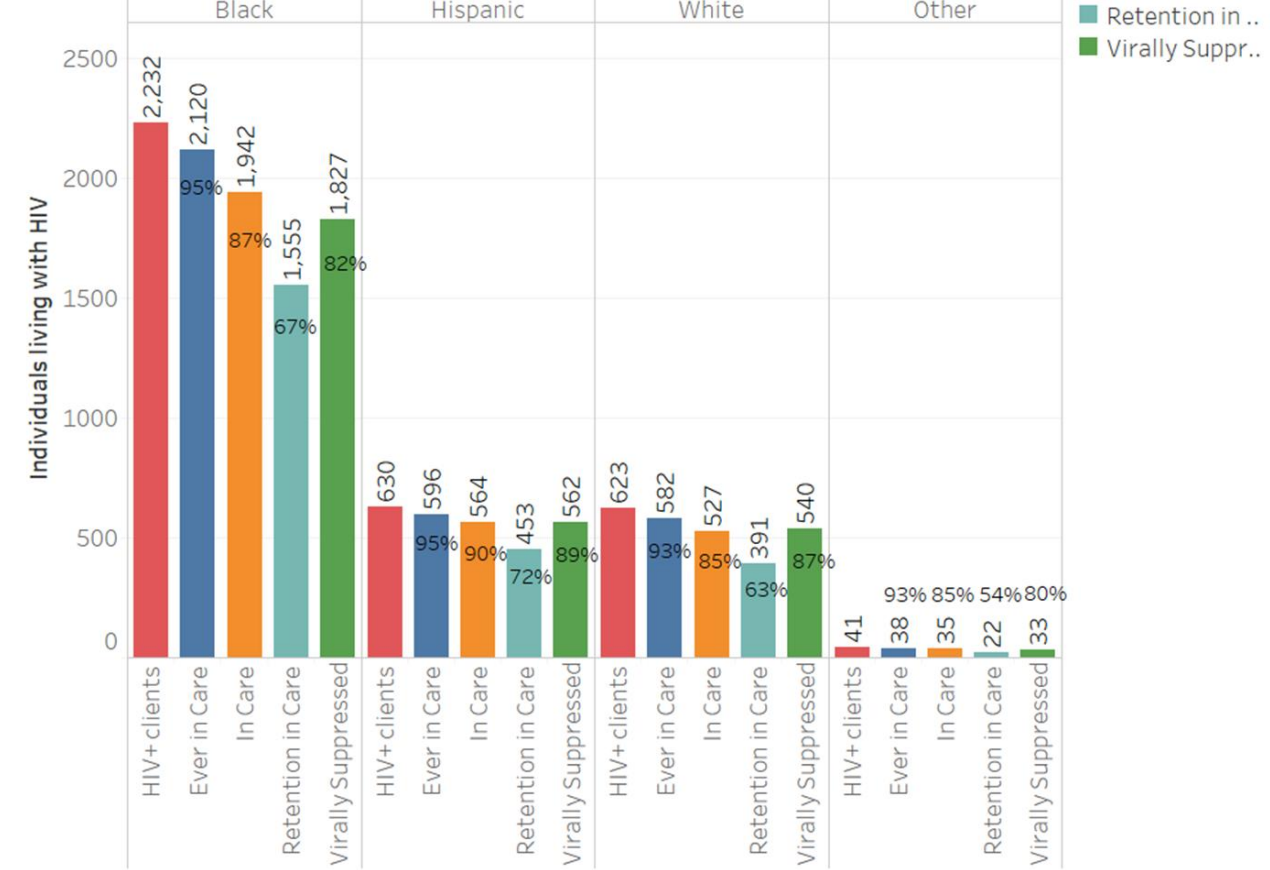
HIV Care Continuum Ryan White Program 2018



HIV Care Continuum in Palm Beach County 2017 by Race/Ethnicity



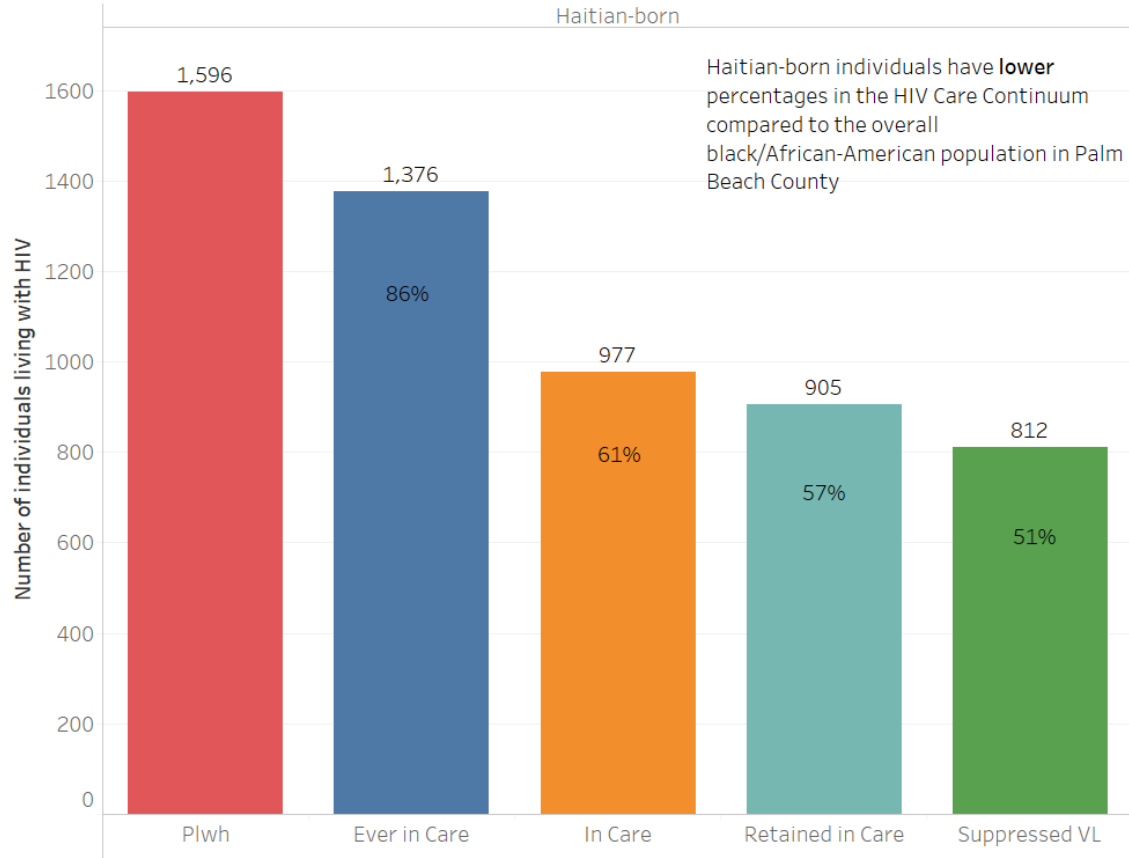
HIV Care Continuum Ryan White Program 2018 by Race/Ethnicity



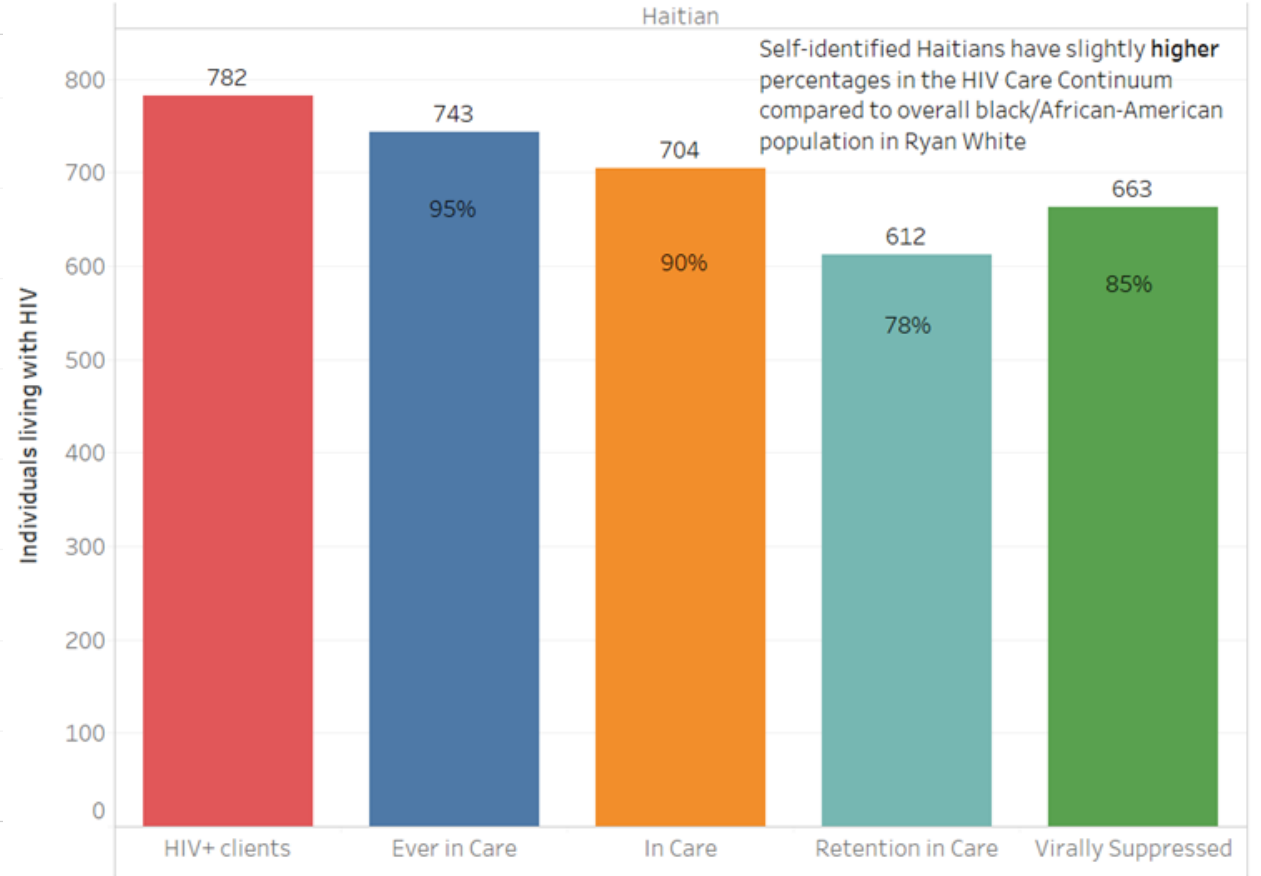
Measure Names

- HIV+ clients
- Ever in Care
- In Care
- Retention in ..
- Virally Suppr..

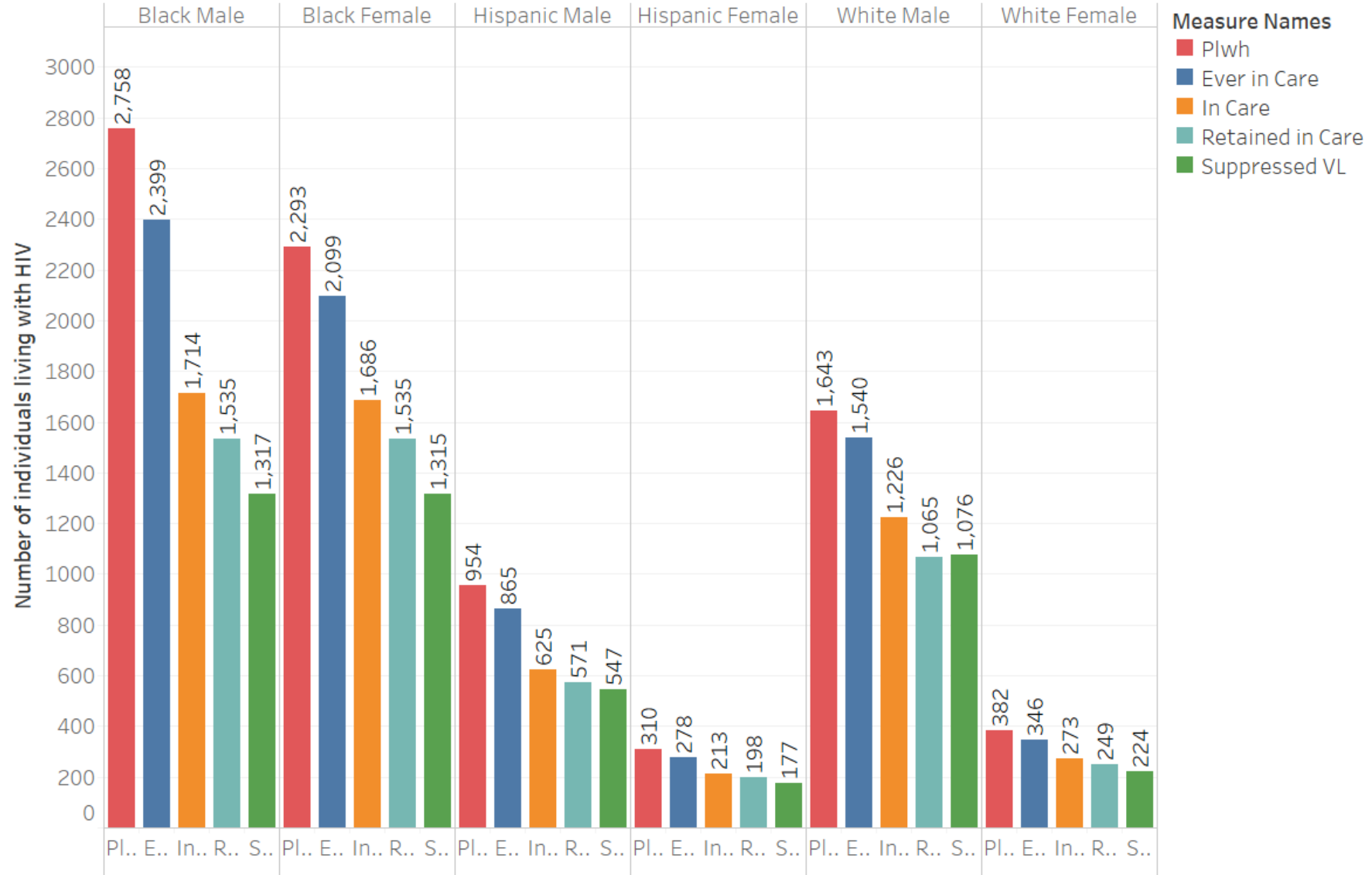
HIV Care Continuum Palm Beach County 2017 by Haitian-born



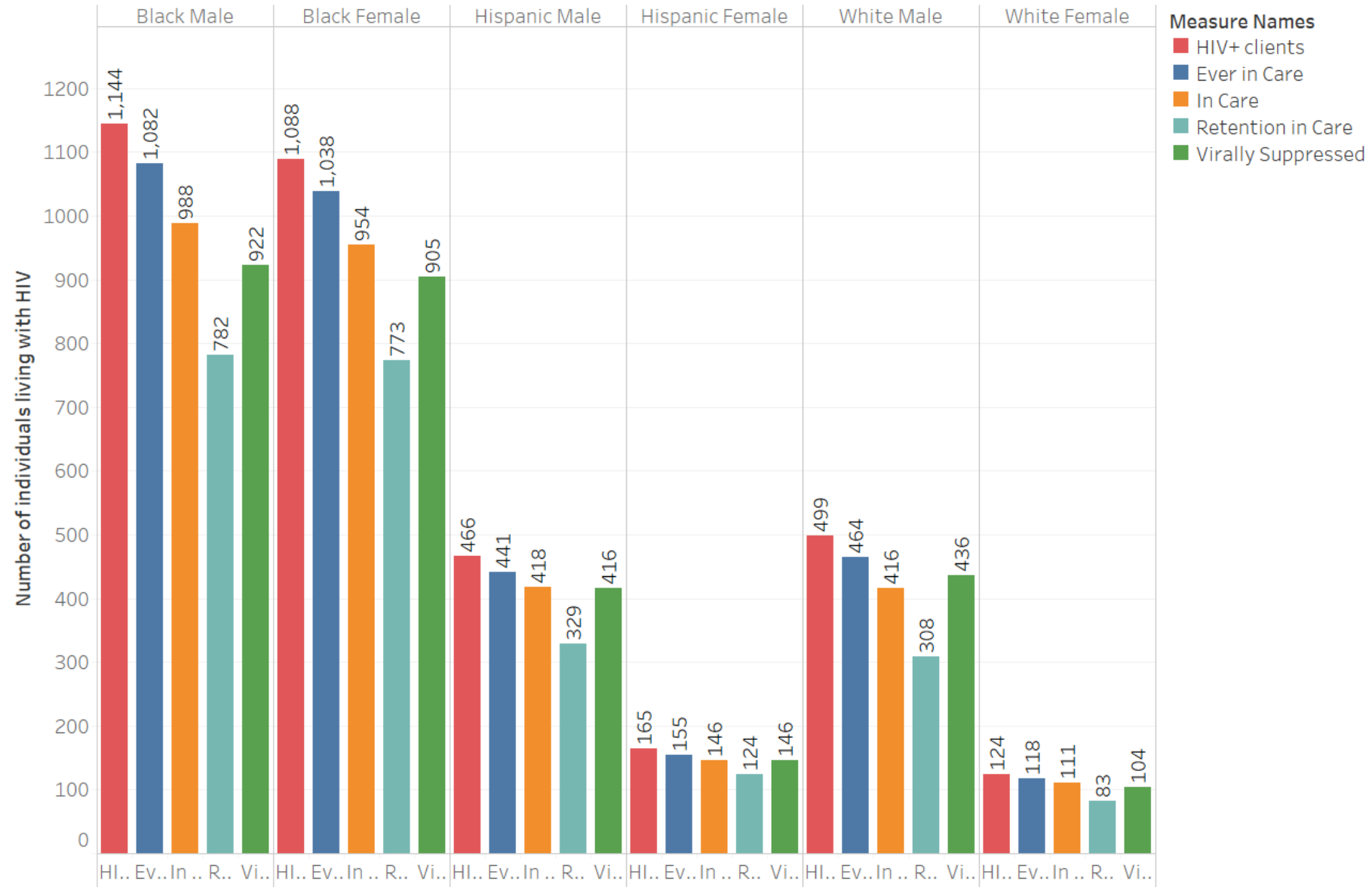
HIV Care Continuum Ryan White Program 2018 of self-identified Haitian persons



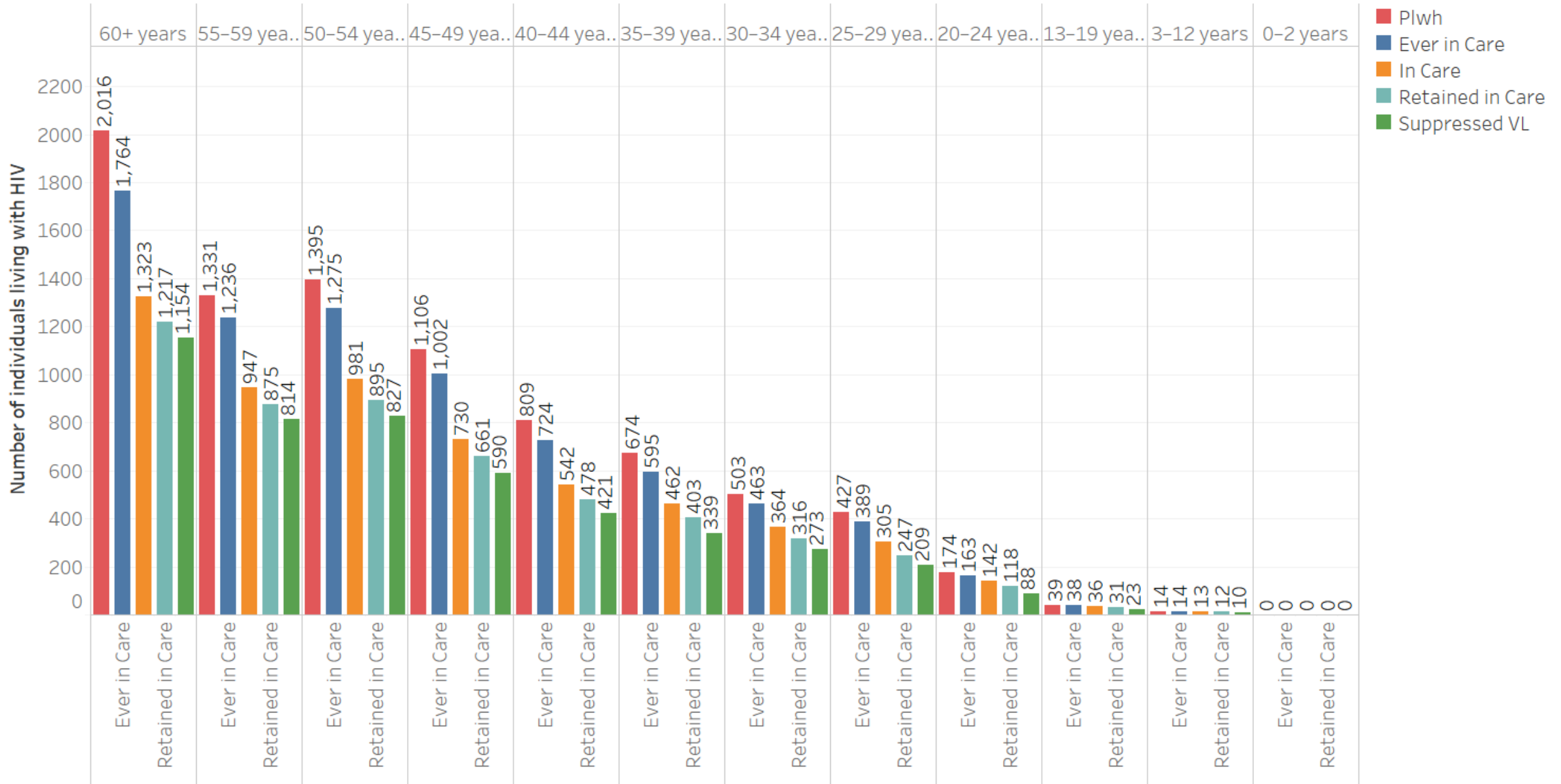
HIV Care Continuum in Palm Beach County 2017 by Race/Ethnicity and Gender



HIV Care Continuum in Ryan White Program 2018 by Race/Ethnicity and Gender

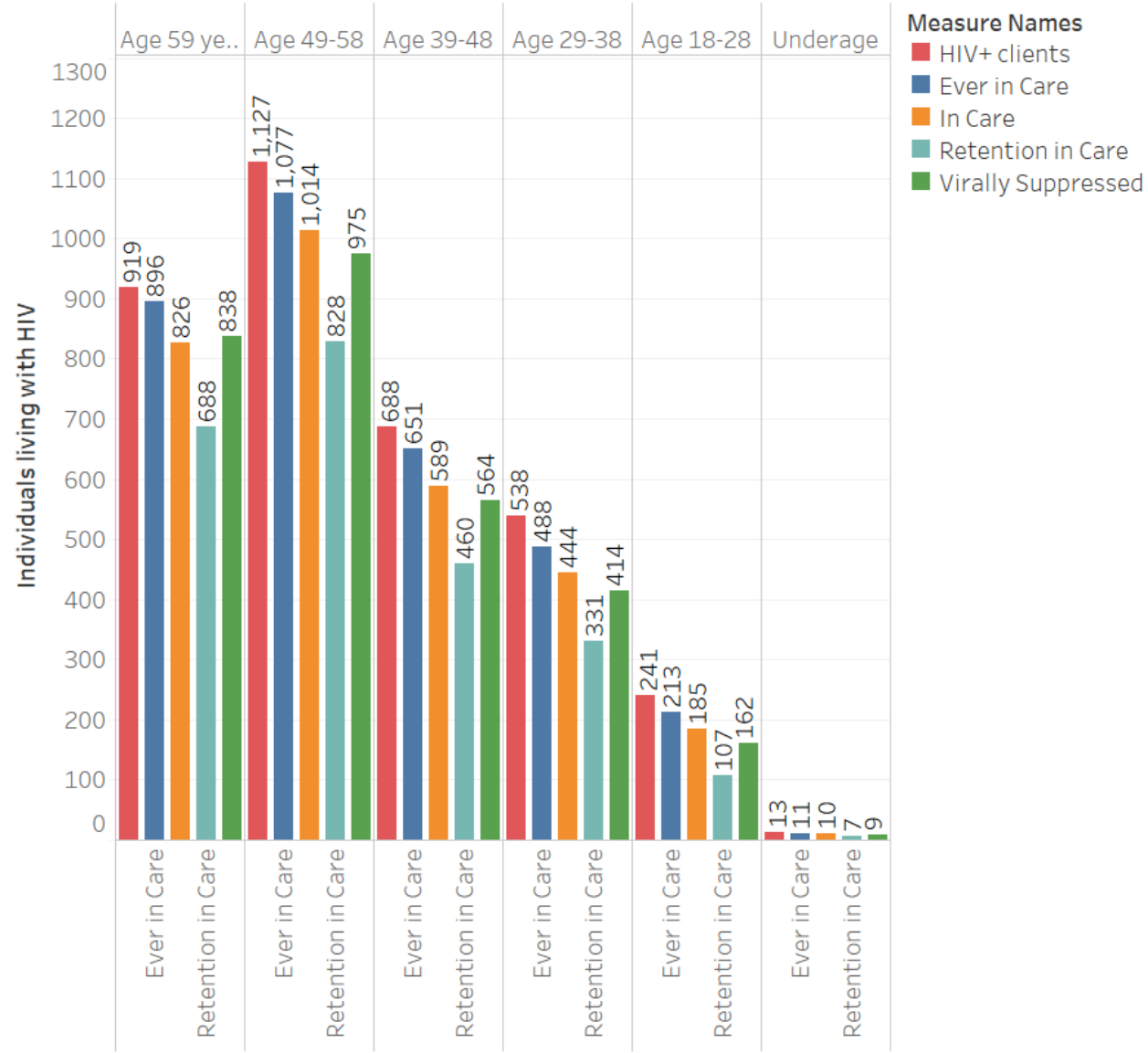


HIV Care Continuum Palm Beach County 2017 by Age

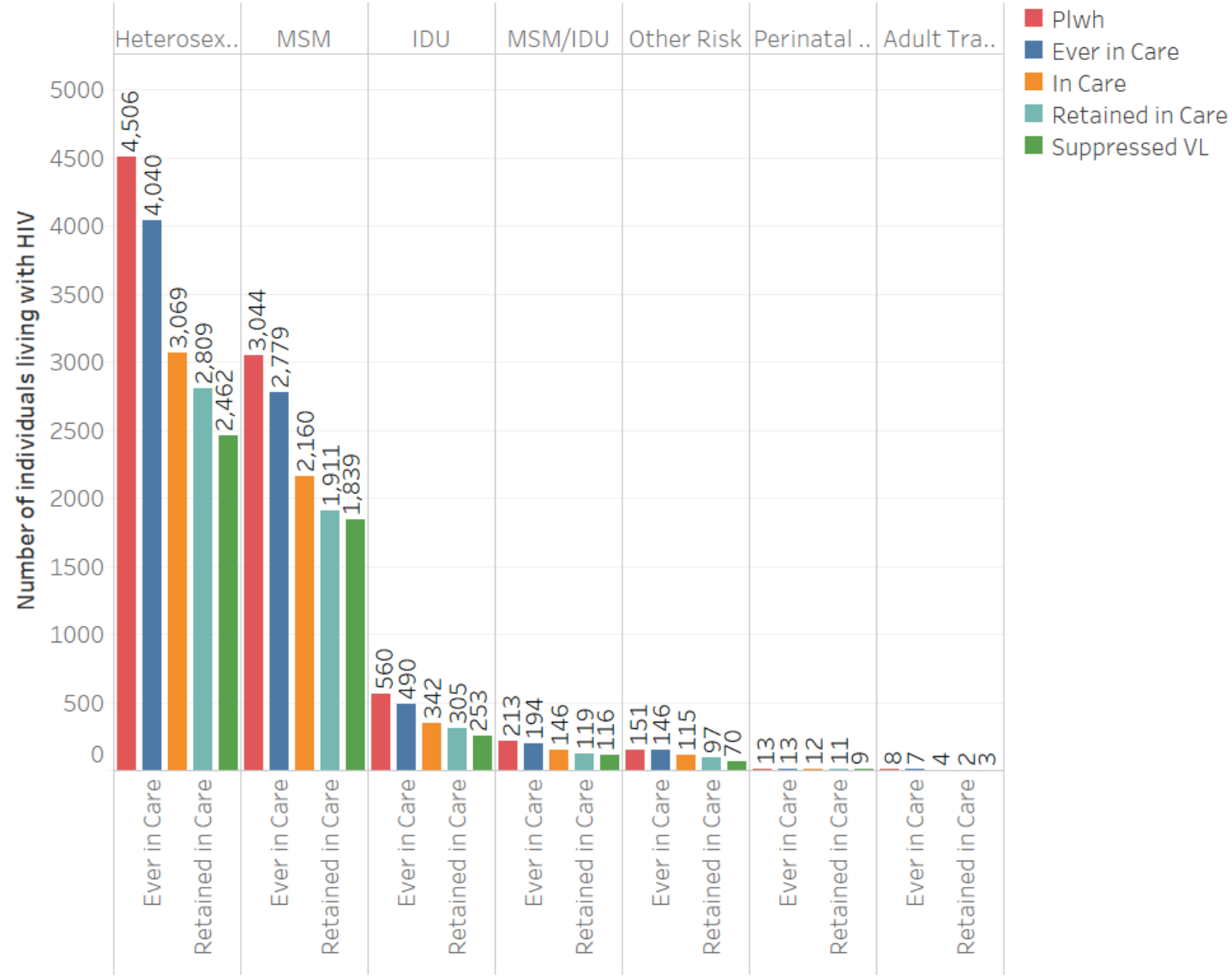


HIV Care Continuum Ryan White Program 2018

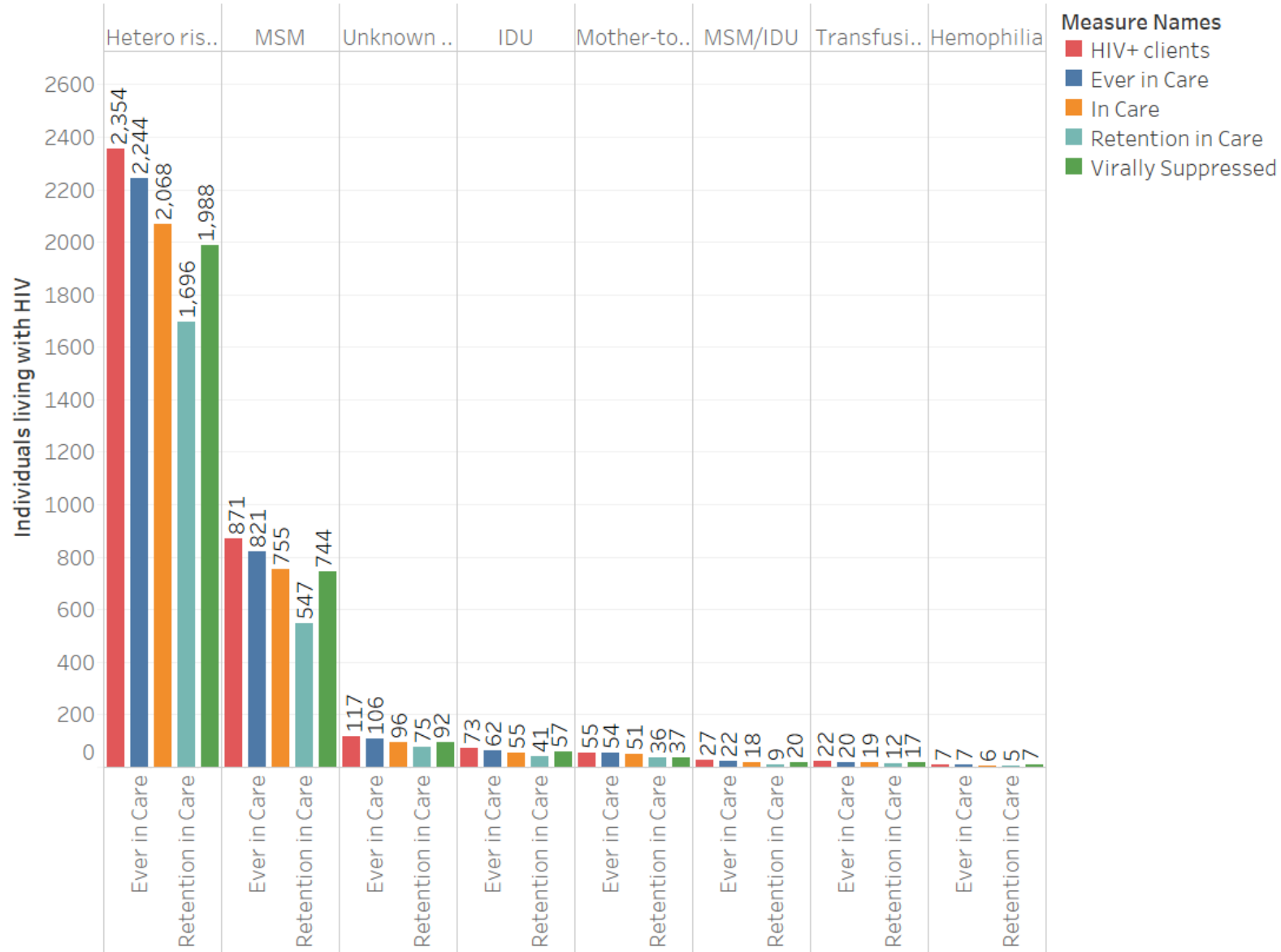
by Age



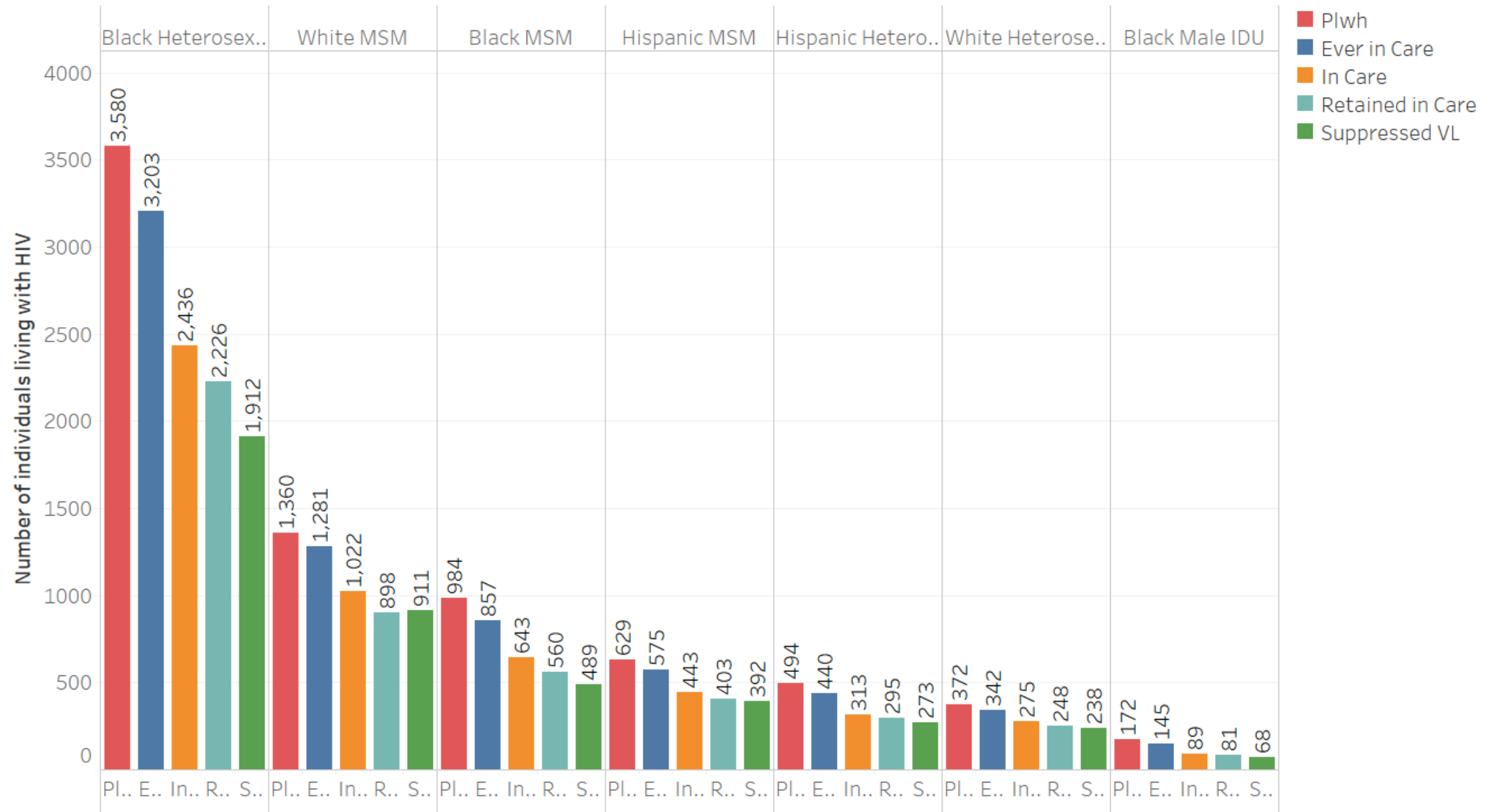
HIV Care Continuum Palm Beach County 2017 by Exposure History



HIV Care Continuum Ryan White Program 2018 by Exposure History



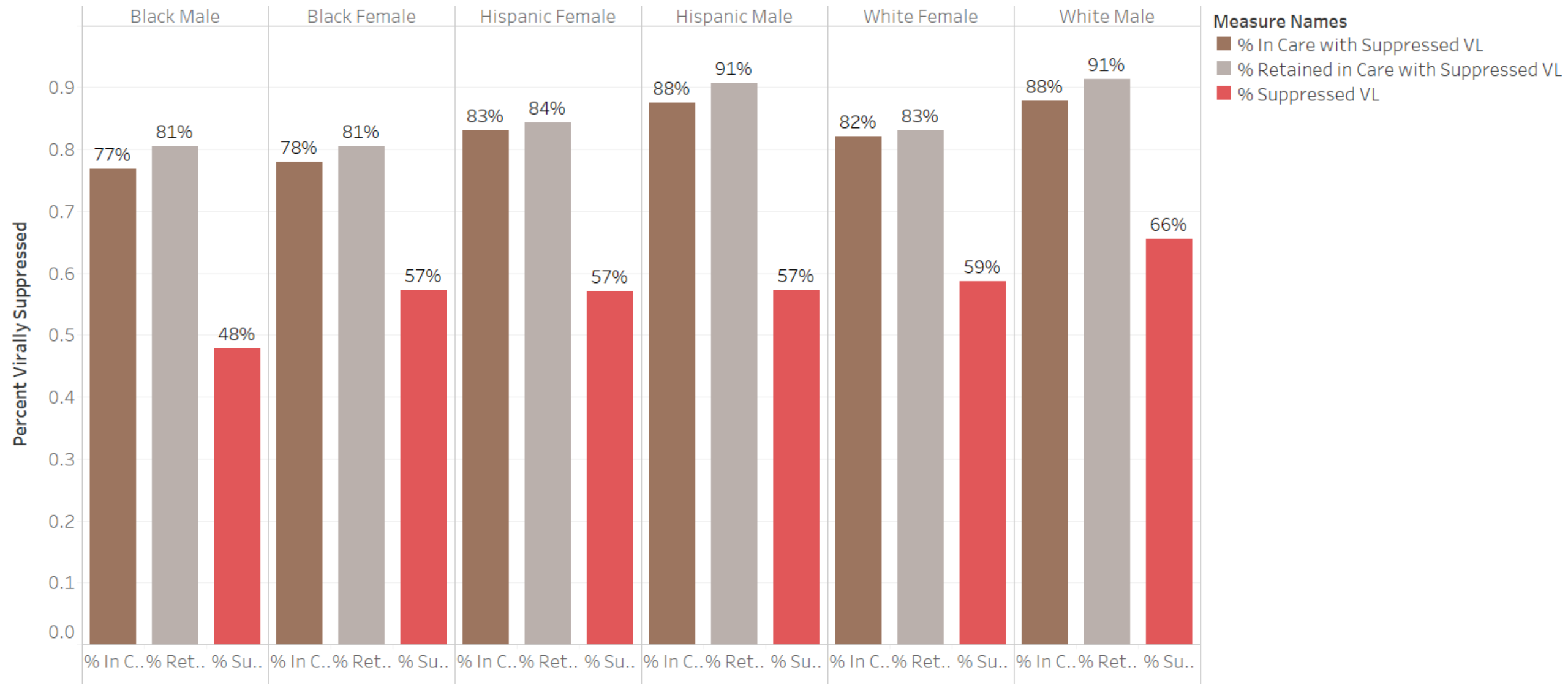
HIV Care Continuum Palm Beach County 2017 by Race/Ethnicity, Gender and Exposure History (Heterosexual Exposure Combined for Male & Female)



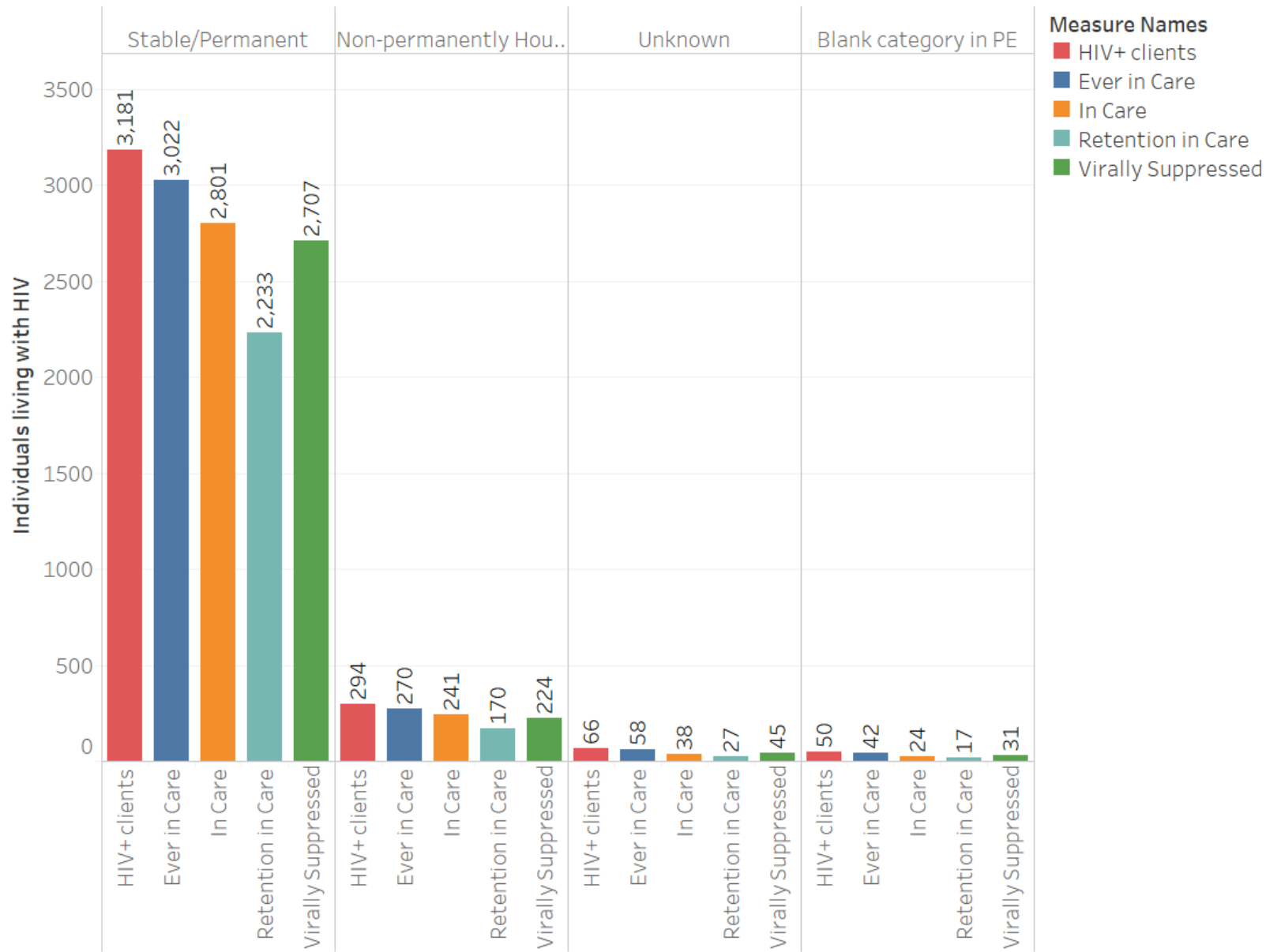
PLwh, Ever in Care, In Care, Retained in Care and Suppressed VL for each Demographic Group/Exposure Category. Color shows details about PLwh, Ever in Care, In Care, Retained in Care and Suppressed VL. The view is filtered on Demographic Group/Exposure Category, which keeps 7 of 91 members.

Viral Suppression When In Care and Retained in Care Compared to Overall Viral Suppression Palm Beach

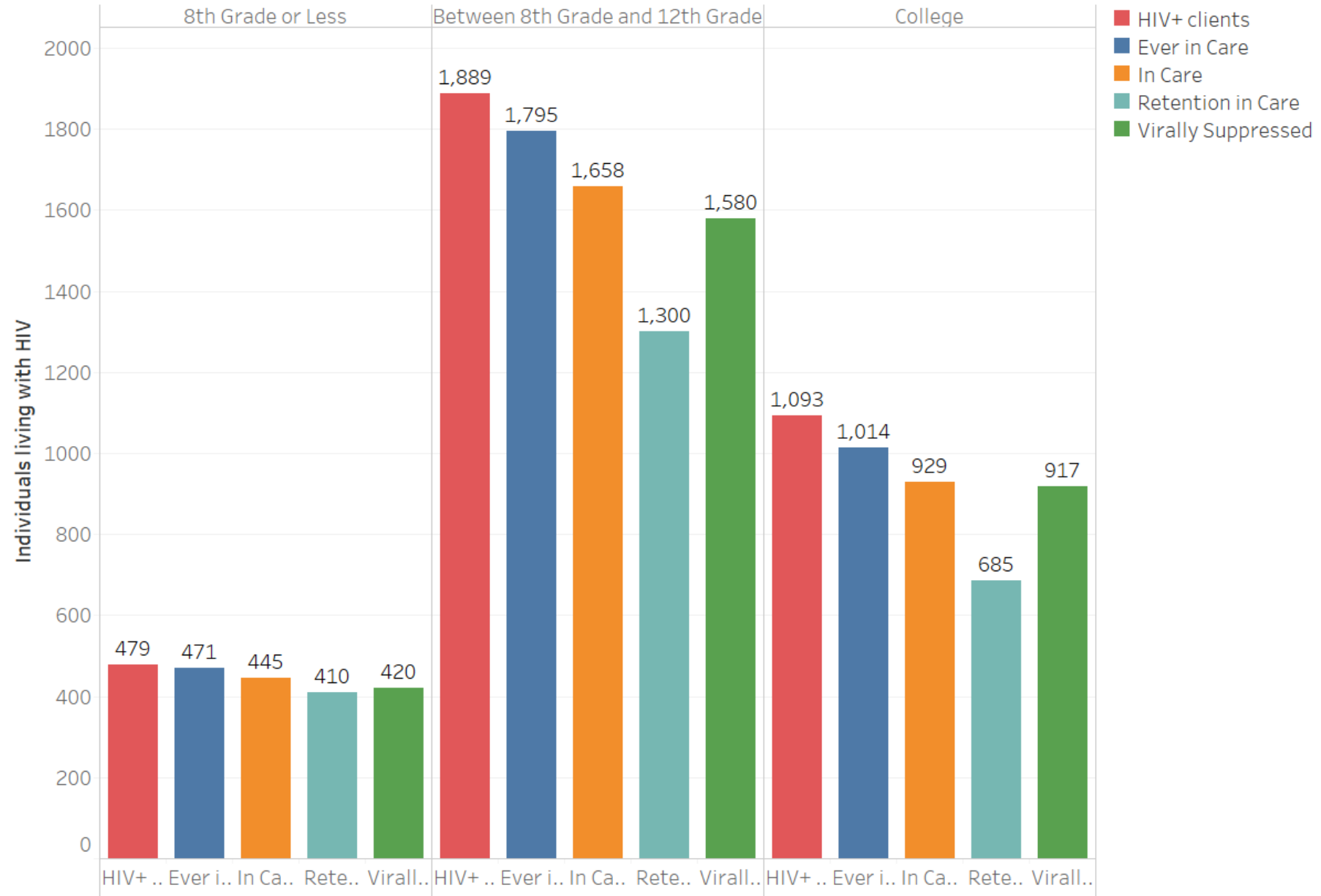
County 2017 by Race and Gender



HIV Care Continuum Ryan White Program 2018 by Housing



HIV Care Continuum Data Ryan White Program 2018 by Education



HIV Care Continuum for NEW Diagnoses Palm Beach County 2017 by Race/Ethnicity and Gender

