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Trends of HIV New Diagnoses and HIV Prevalence in Texas, 2013-2022

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Objectives

1. Analyze past and current HIV incidence and diagnosis trends in Texas and the DFW area.
2. Assess the HIV continuum of care and the effects at the individual level and population level.
3. Appraise Ending the HIV Epidemic (EHE) initiative, current policies, and program goals.



Acronyms

HIV – Human Immunodeficiency Virus

PLWH – People Living with HIV

New Dx – New Diagnoses

EHE – Ending the HIV Epidemic

IDU – Injection Drug Use

PWID – People Who Inject Drugs

MSM – Men who have Sex with Men

MSW – Men who have Sex with Women

WSM – Women who have Sex with Men

PrEP – Pre-Exposure Prophylaxis

Younger than 25 – Individuals aged 0-24

DFW Counties – Collin, Dallas, Delta, Ellis, Henderson, Hood, Hunt, Johnson, Kaufman, Parker, Rockwall, Somervell, Tarrant, and Wise

Agenda

- HIV Trends in TX
 - New Dx
 - PLWH
- Ending the HIV Epidemic
 - Linkage to Care
 - Retention in Care
 - Viral Suppression
- HIV Continuum of Care
 - Linkage to Care
 - Retention in Care
 - Viral Suppression

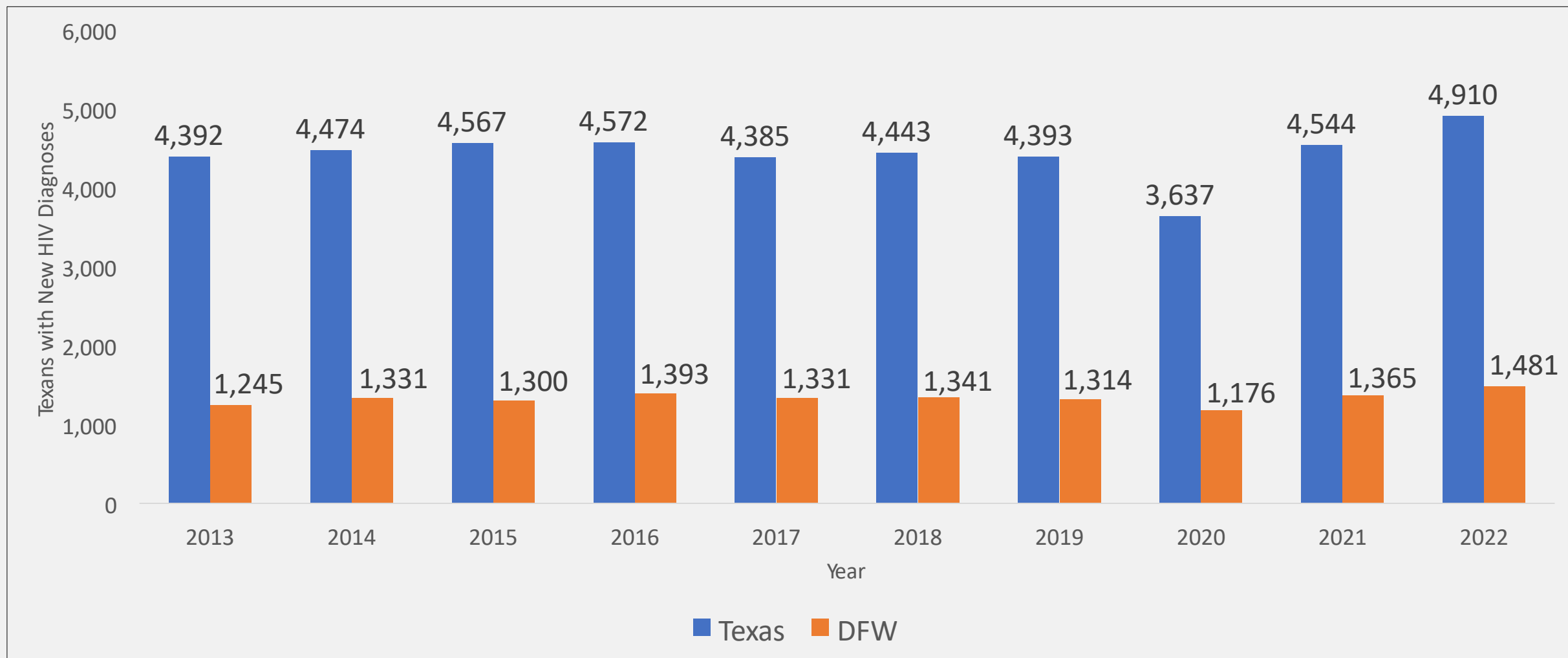
New HIV Diagnoses in Texas



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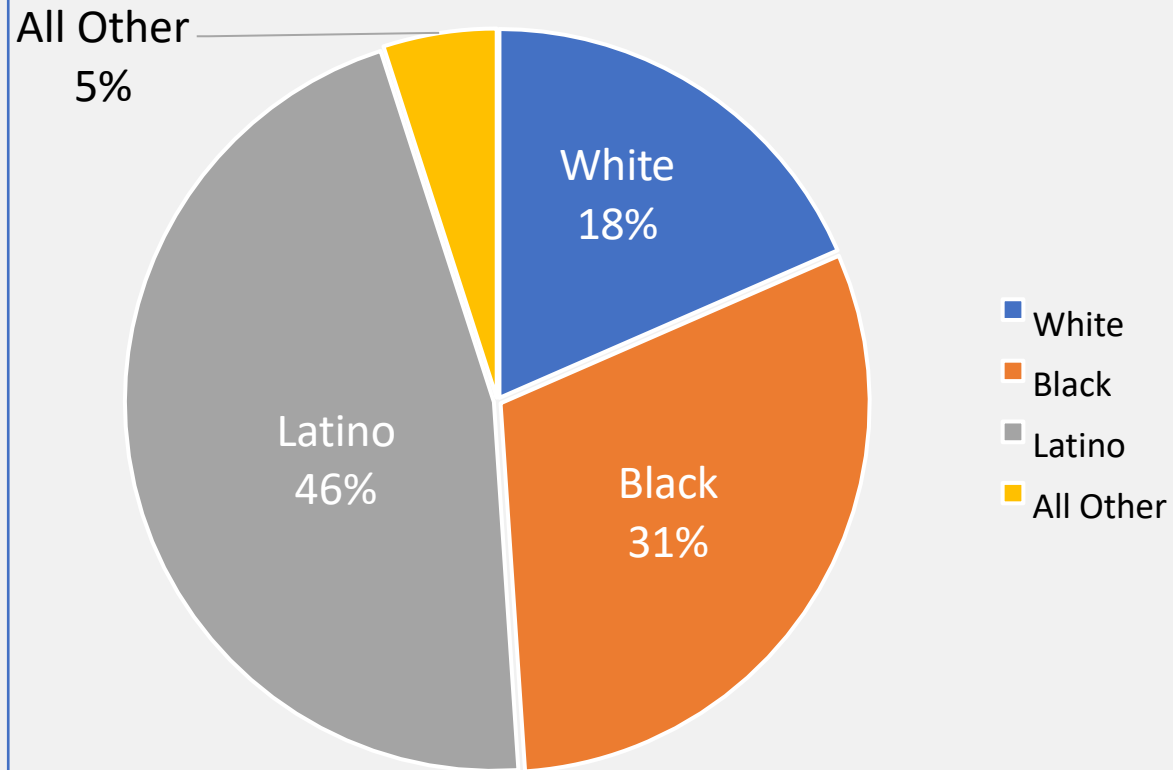
New HIV Diagnoses, 2013-2022



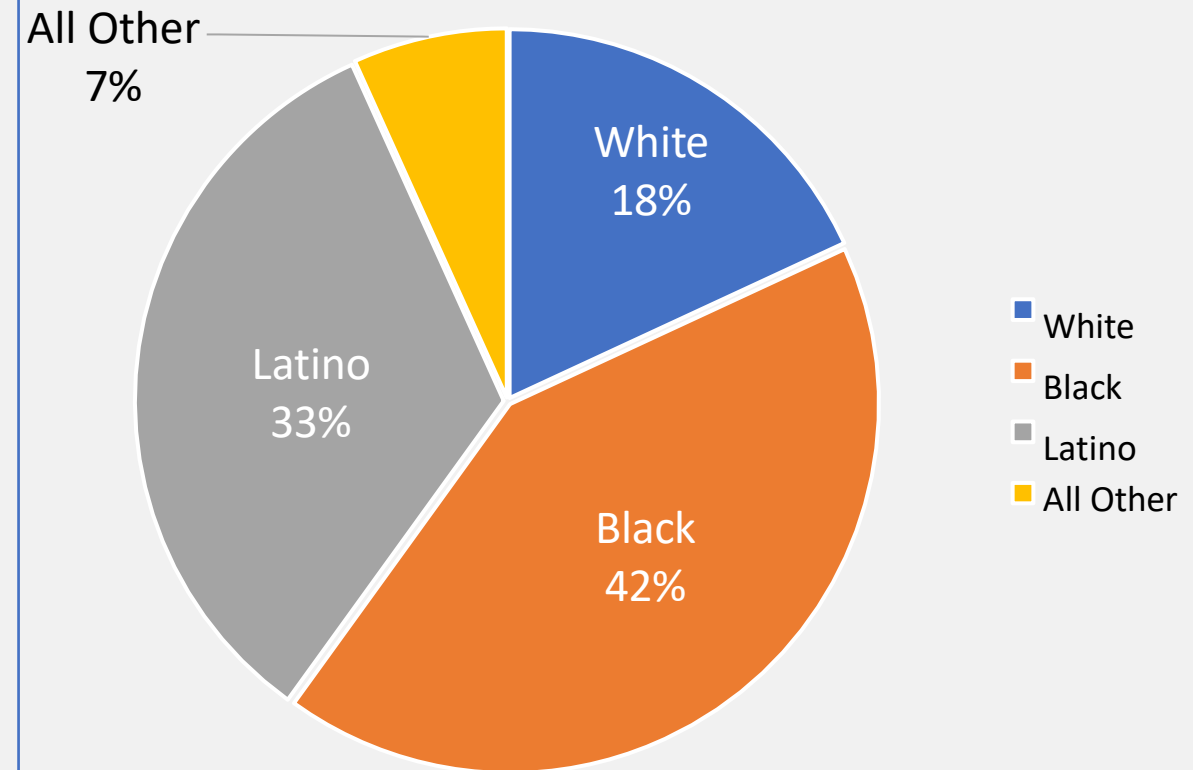
Source: DSHS HIV/STD/HCV Epidemiology and Surveillance Unit 2023 HIV Analysis File

New HIV Diagnoses, 2022

Race/Ethnicity in Texas

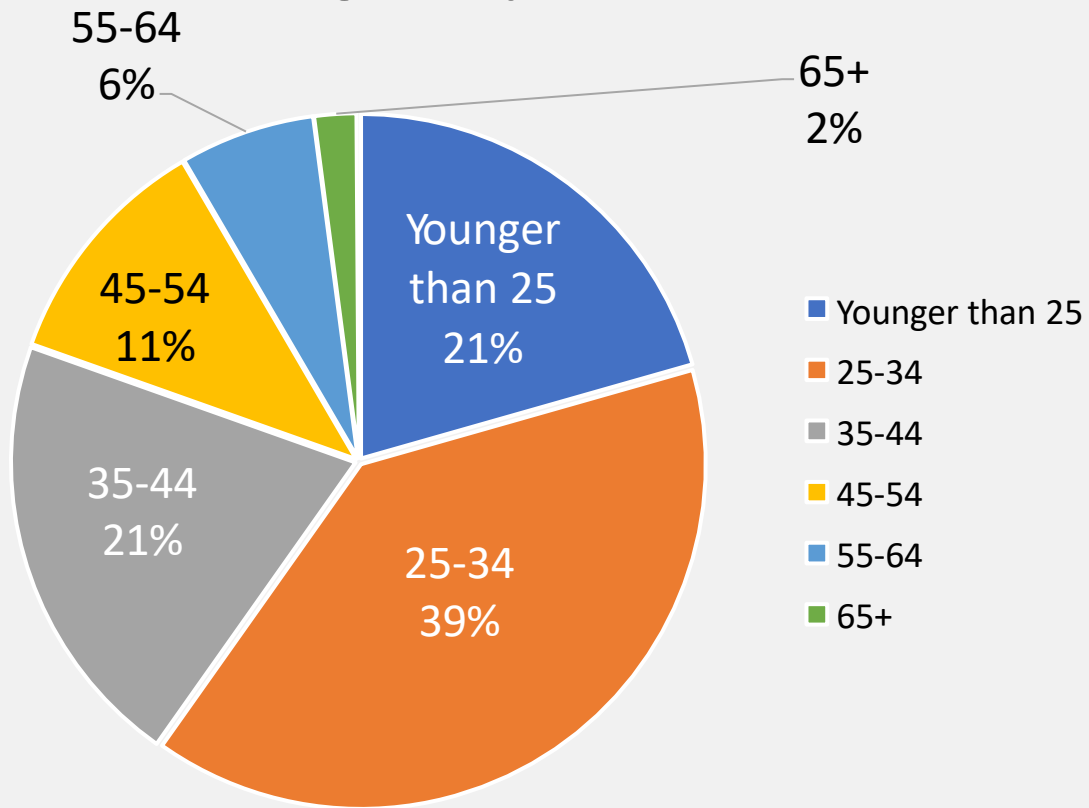


Race/Ethnicity in the DFW Area

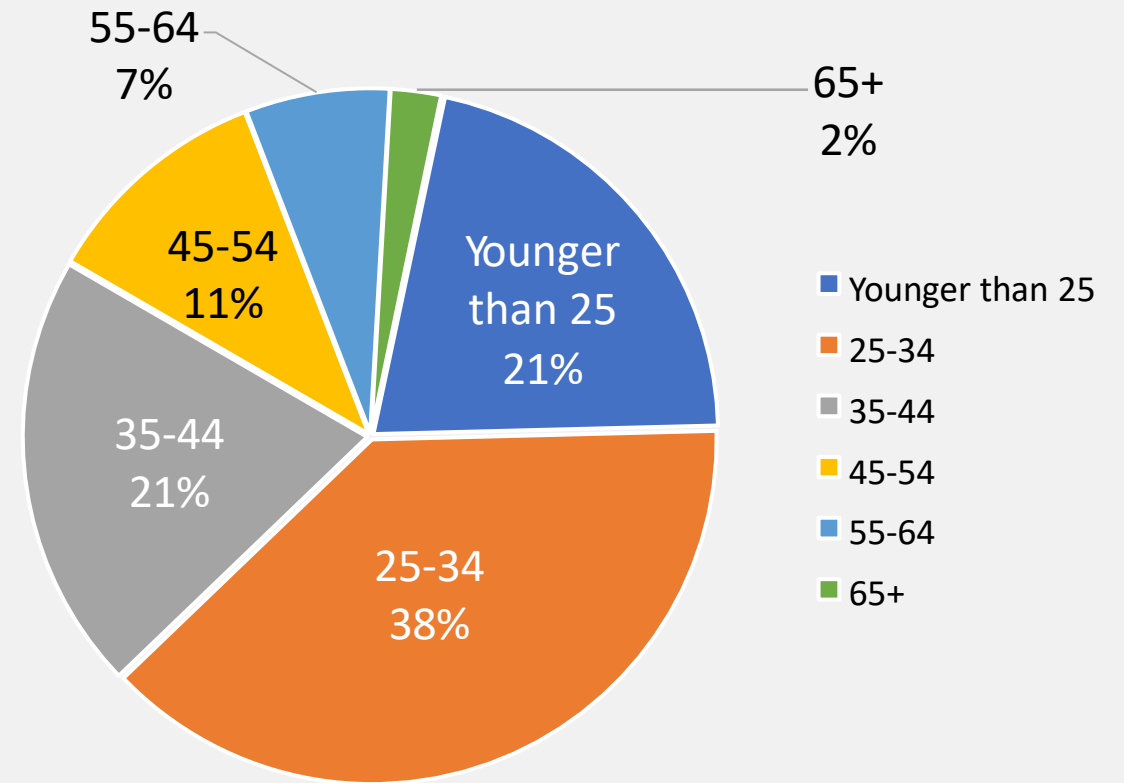


New HIV Diagnoses, 2022

Age Groups in Texas

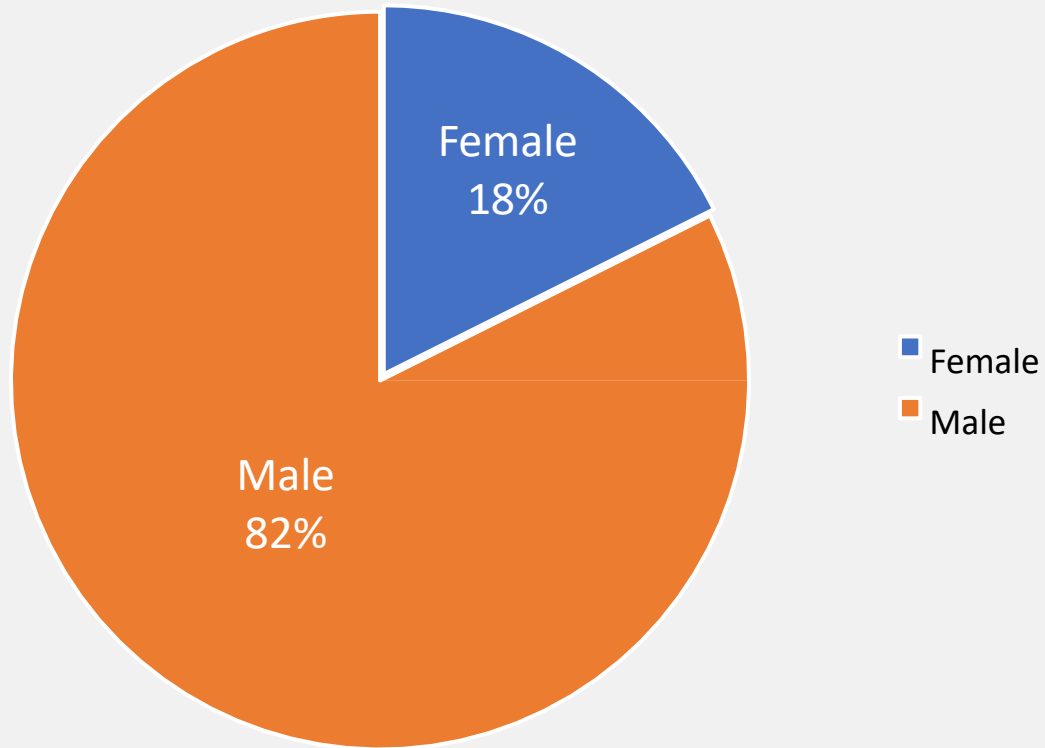


Age Groups in the DFW Area

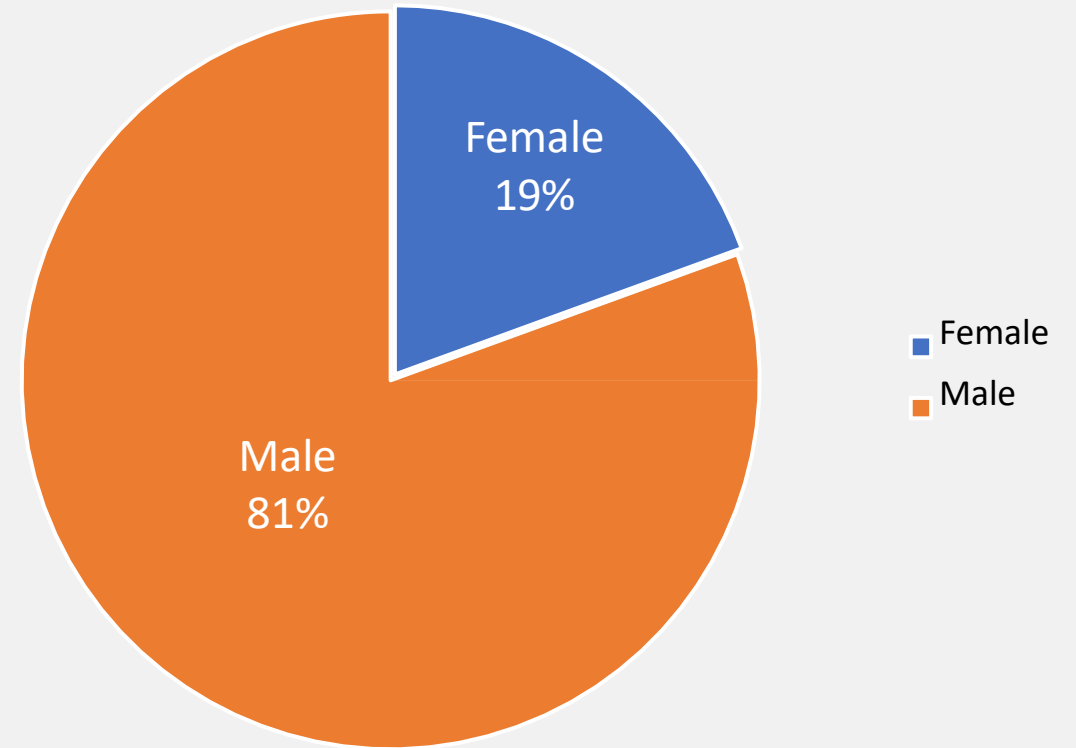


New HIV Diagnoses, 2022

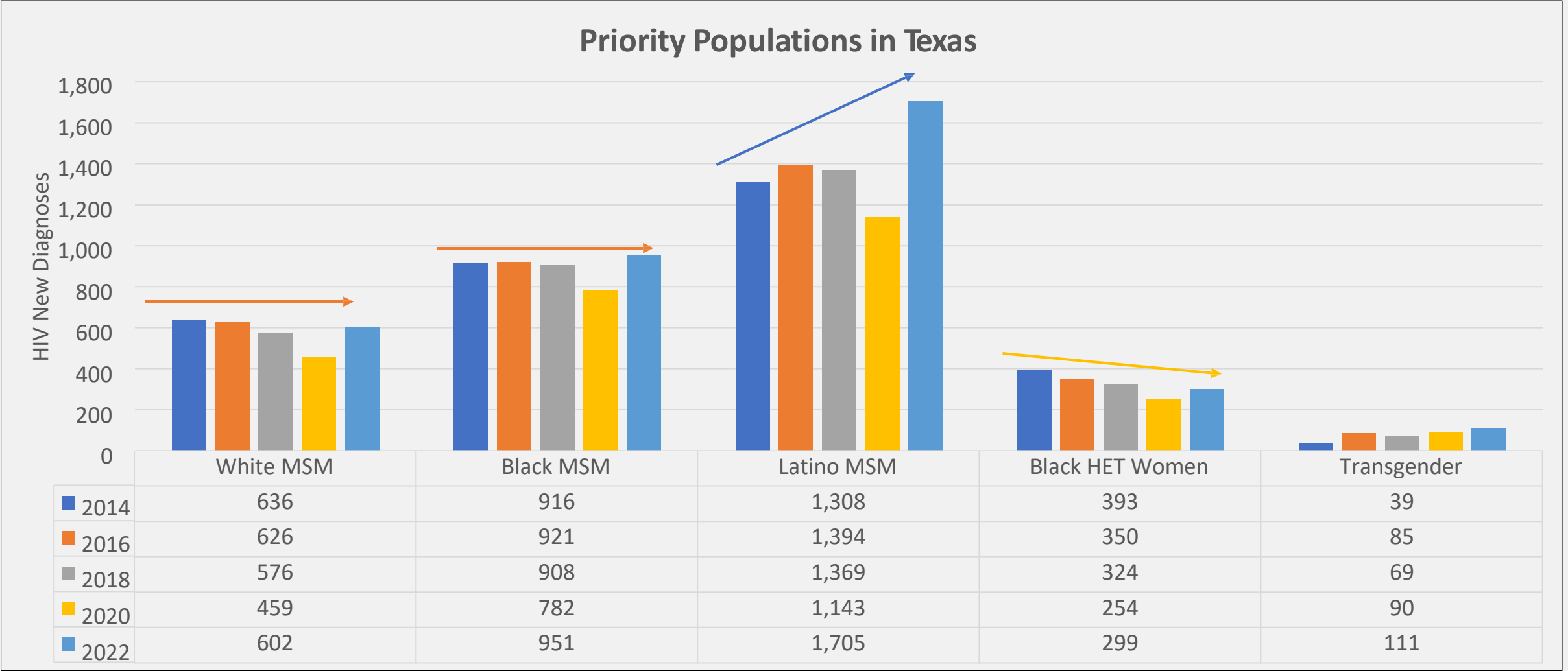
Sex at Birth in Texas



Sex at Birth in the DFW Area

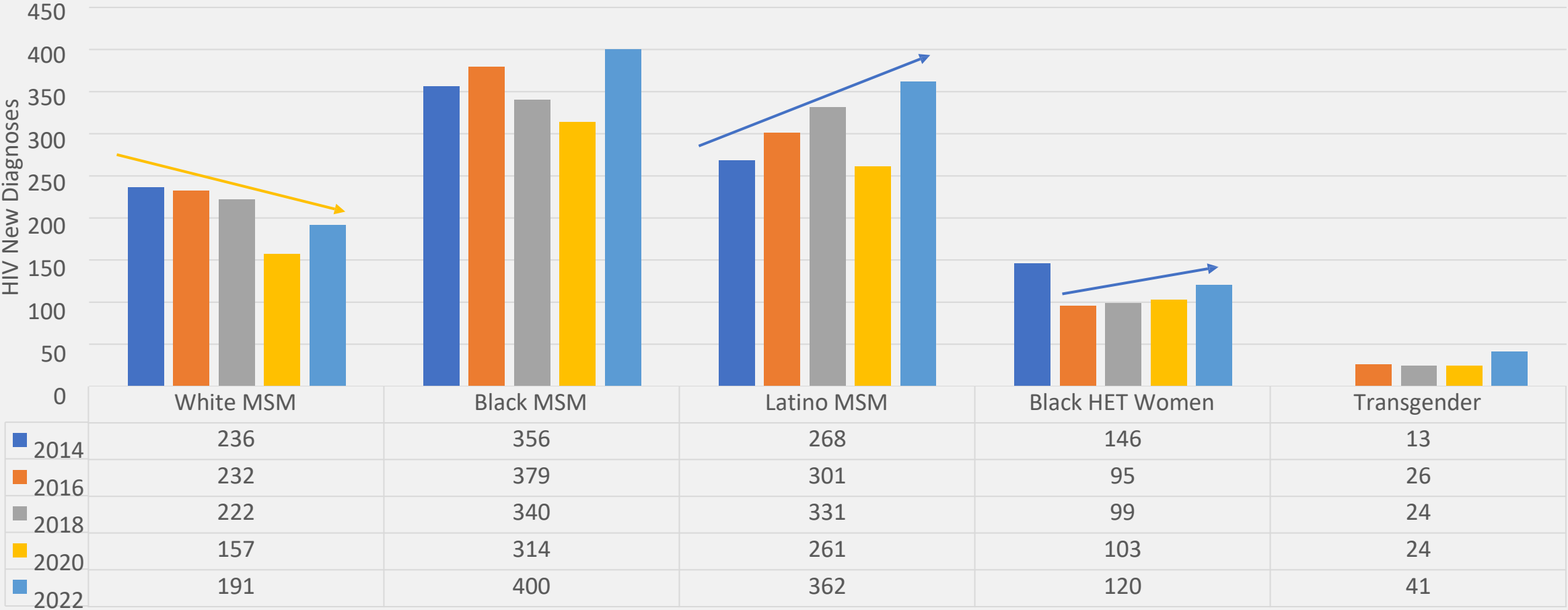


New HIV Diagnoses, 2014-2022

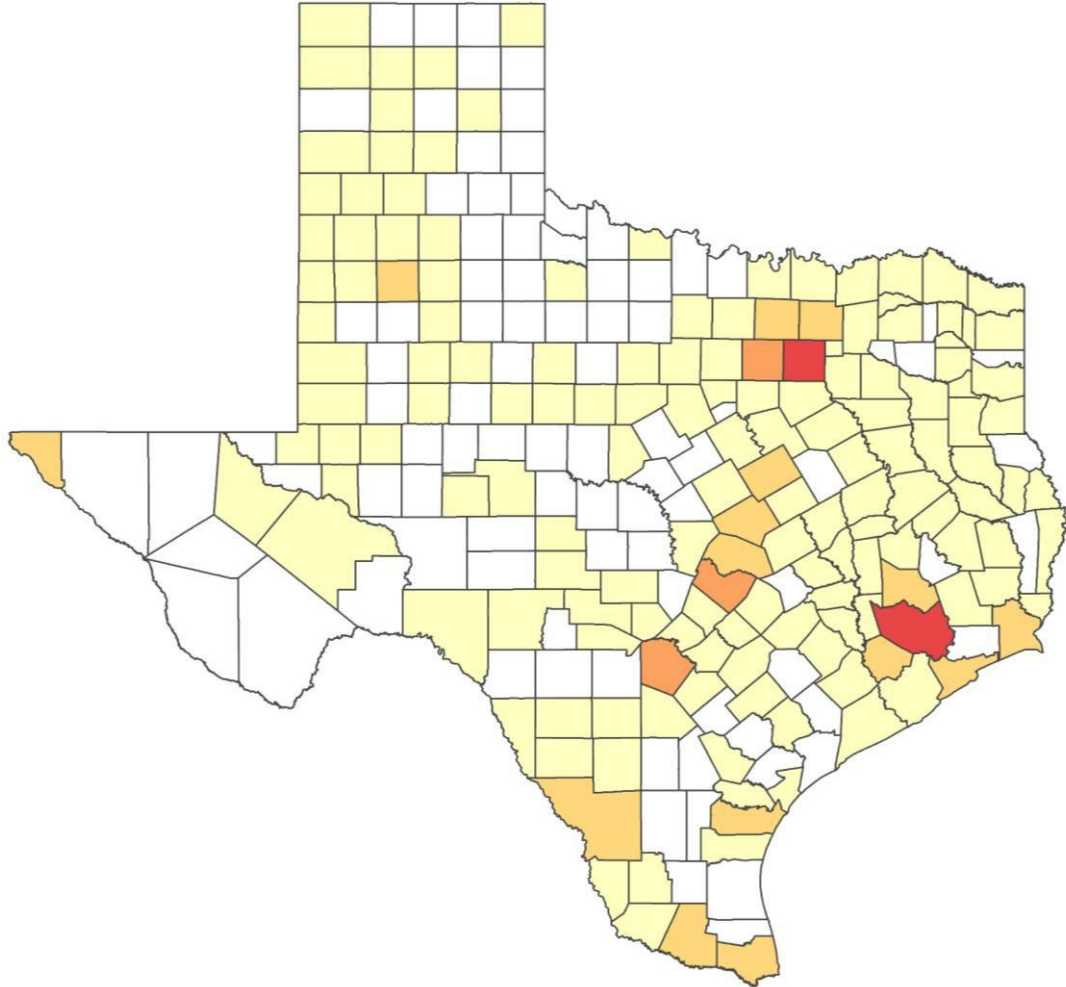


New HIV Diagnoses, 2014-2022

Priority Populations in DFW



Geographic Distribution of New HIV Diagnoses in Texas, 2022



Top 10 Counties	New Dx	New Dx %
Harris	1,264	26%
Dallas*	896	19%
Bexar	346	7%
Tarrant*	340	7%
Travis	244	5%
El Paso	121	3%
Hidalgo	108	2%
Collin*	98	2%
Denton*	78	2%
Jefferson	69	1%

* Counties in the DFW area

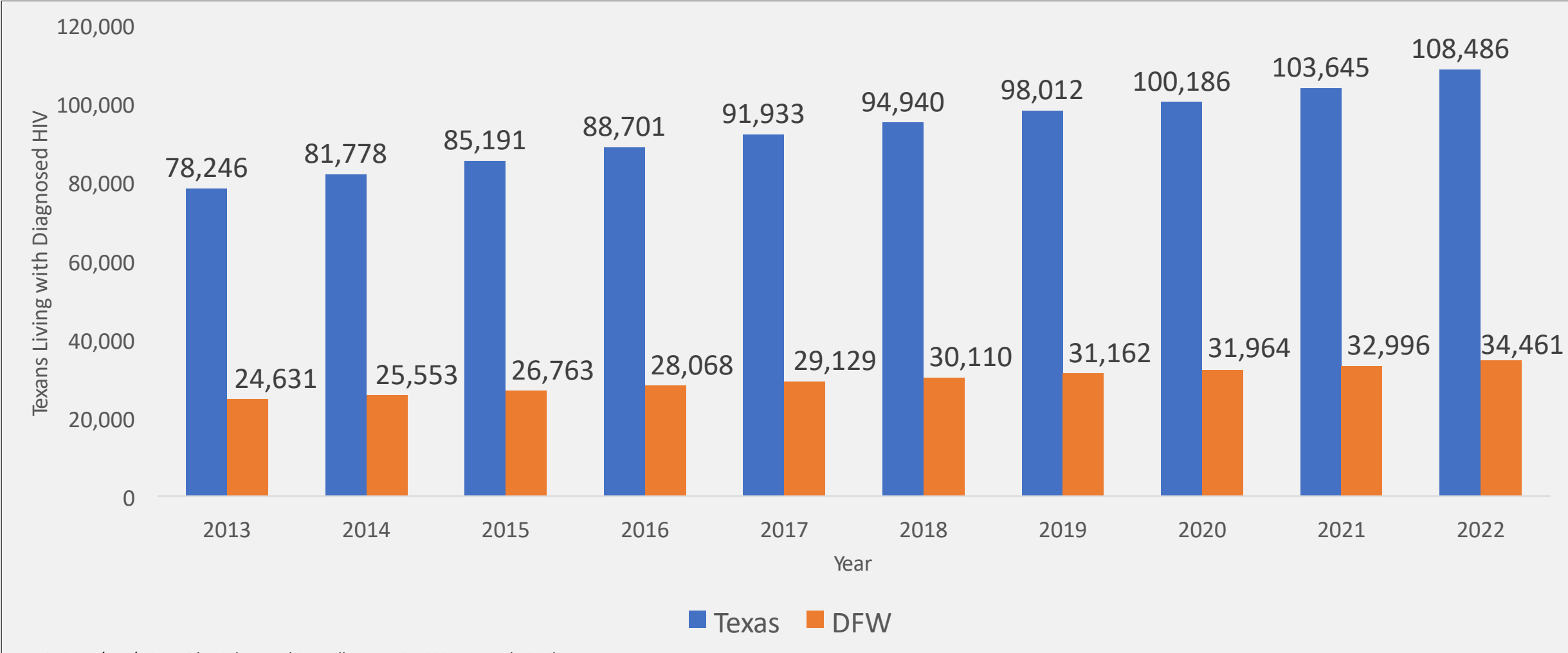
People Living with Diagnosed HIV



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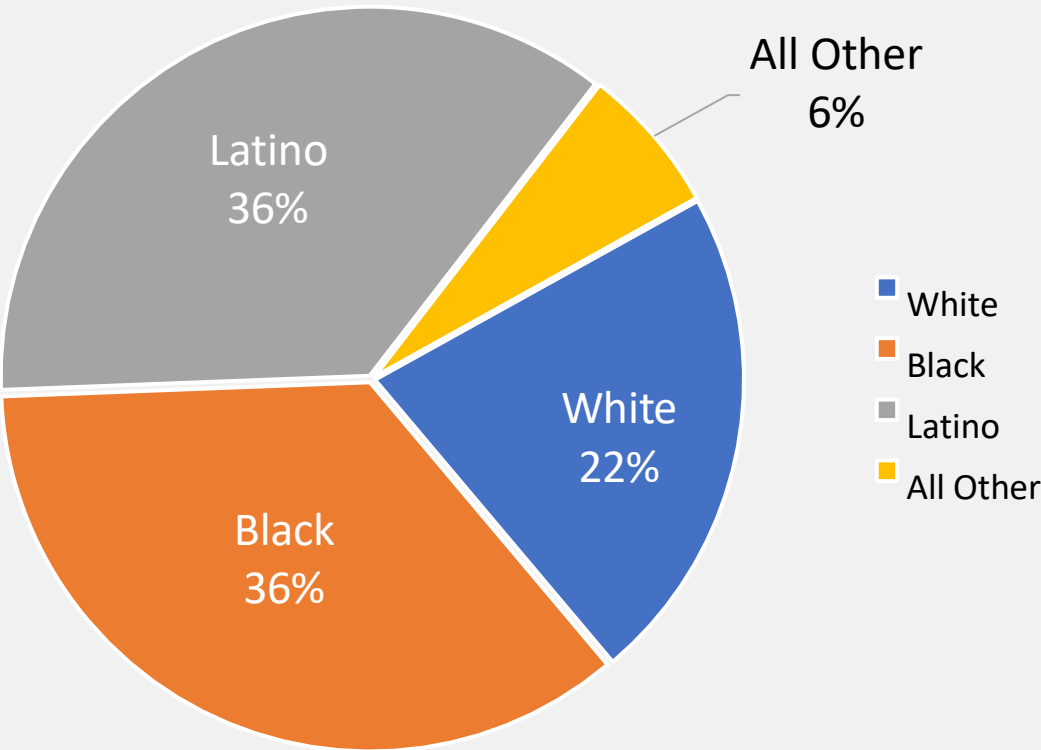
Living with Diagnosed HIV, 2013-2022



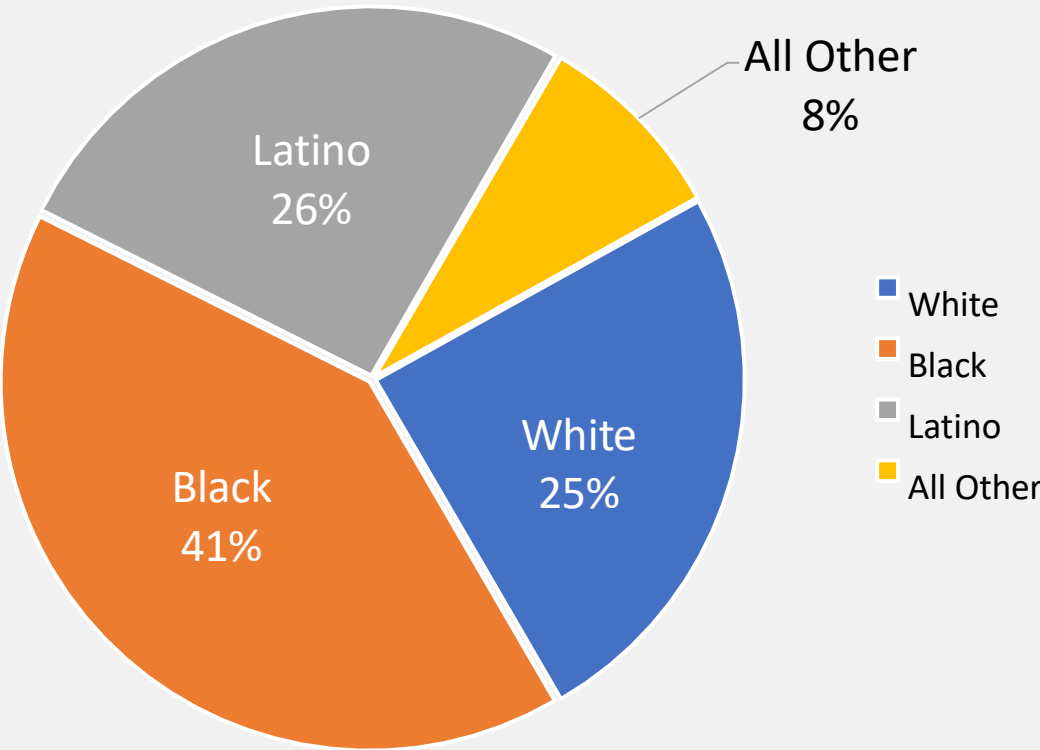
Source: DSHS HIV/STD/HCV Epidemiology and Surveillance Unit 2023 HIV Analysis File

Living with Diagnosed HIV, 2022

Race/Ethnicity in Texas

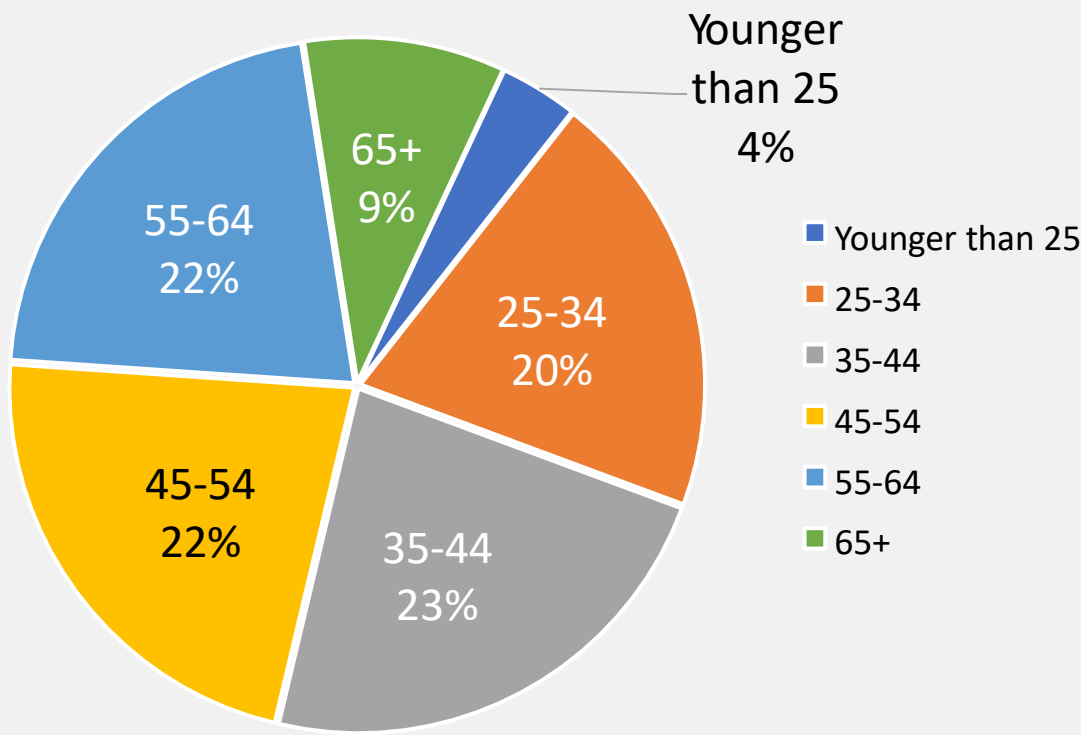


Race/Ethnicity in the DFW Area

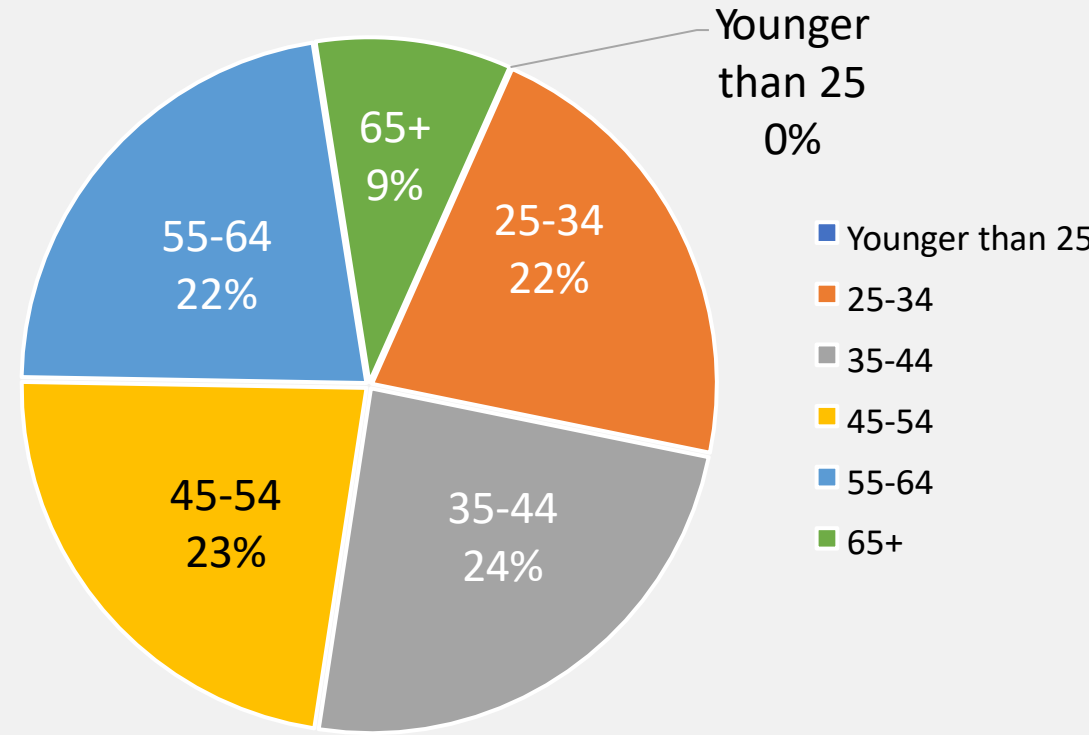


Living with Diagnosed HIV, 2022

Age Groups in Texas

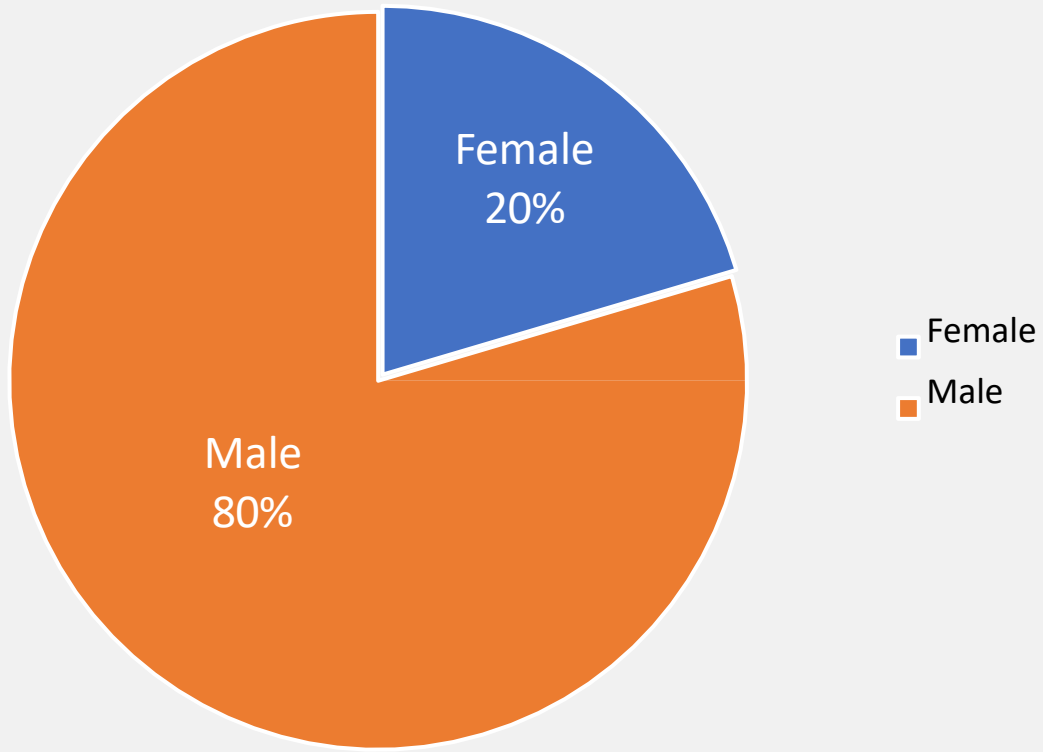


Age Groups in the DFW Area

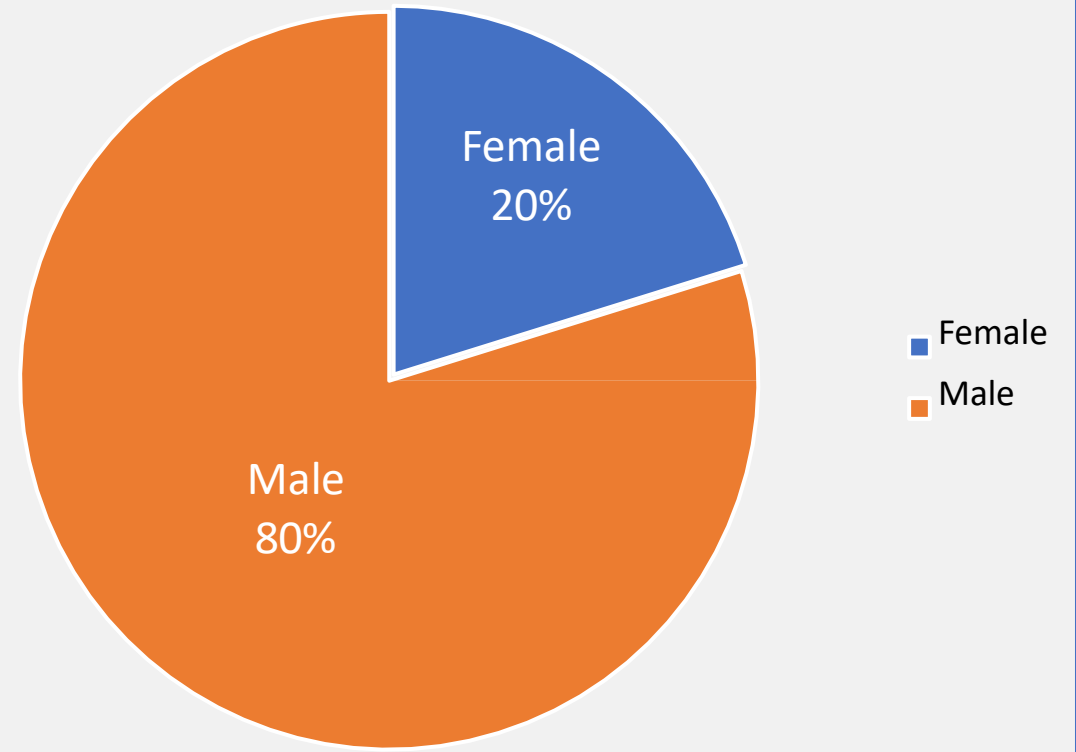


Living with Diagnosed HIV, 2022

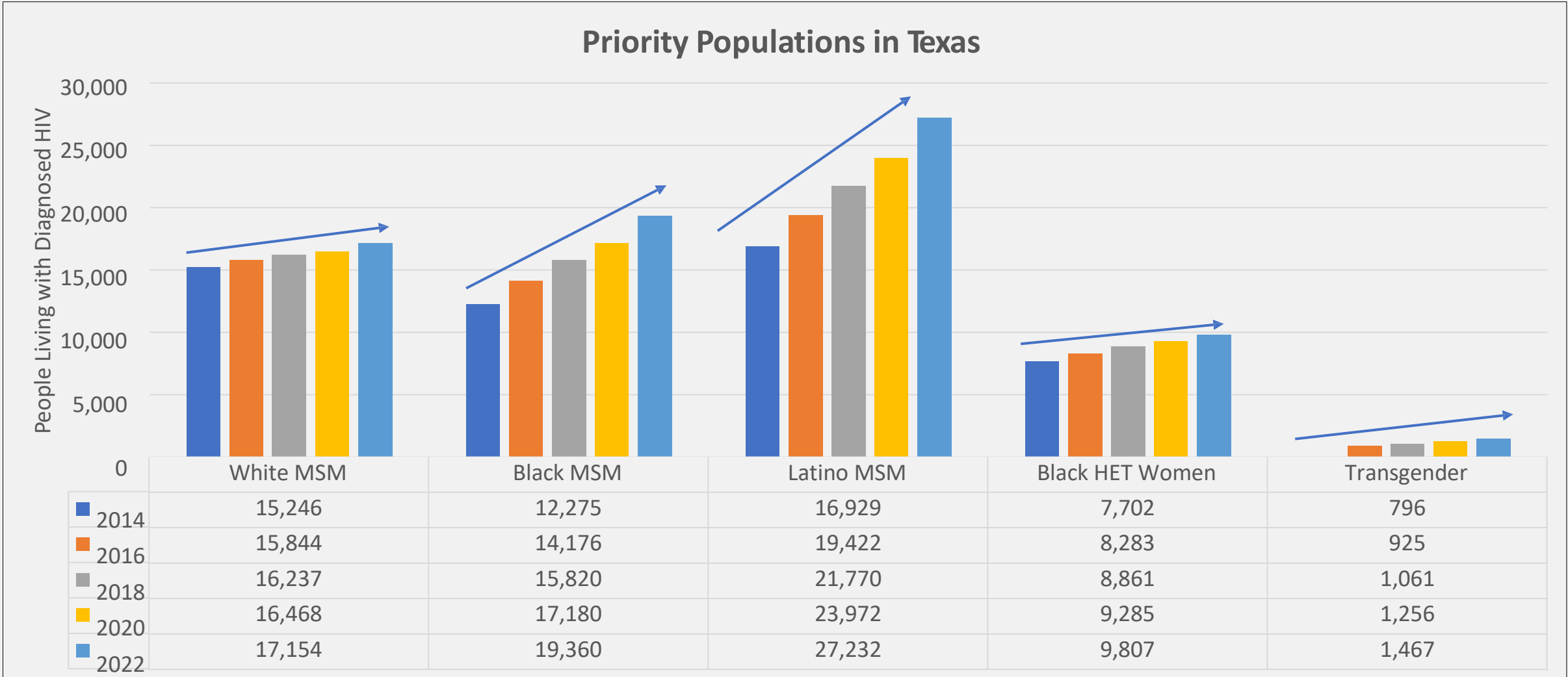
Sex at Birth in Texas



Sex at Birth in the DFW Area

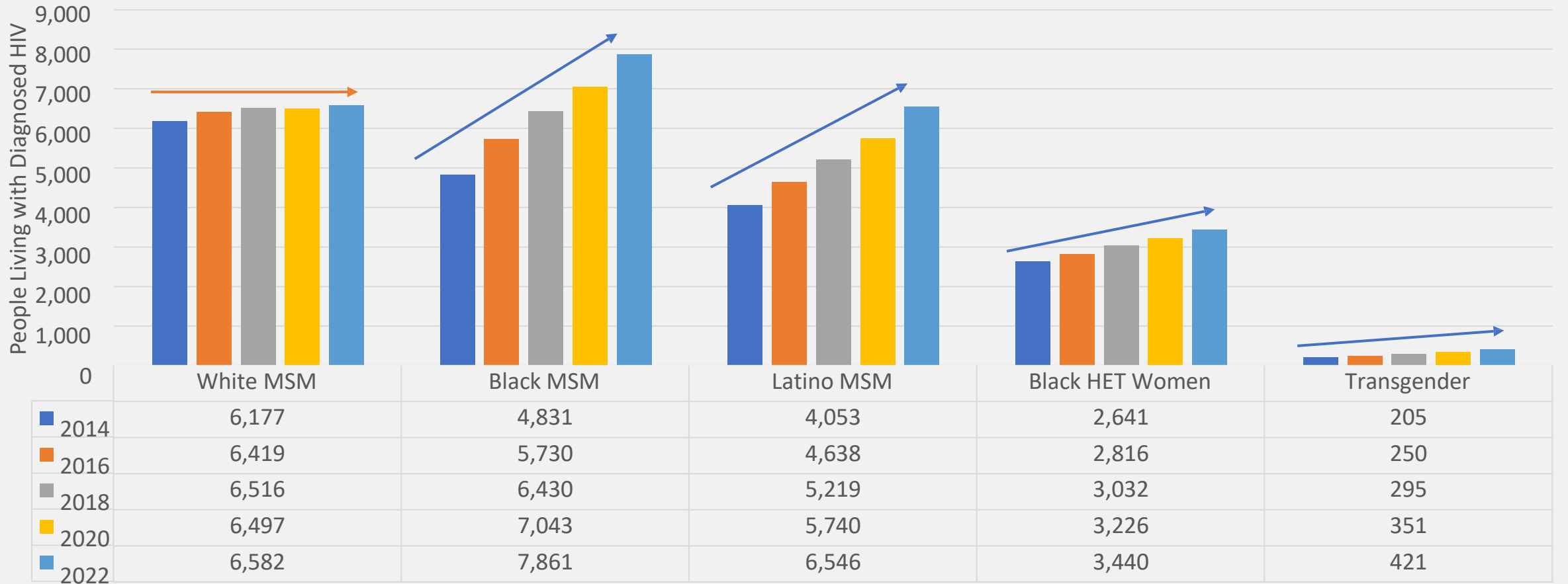


Living with Diagnosed HIV, 2014-2022

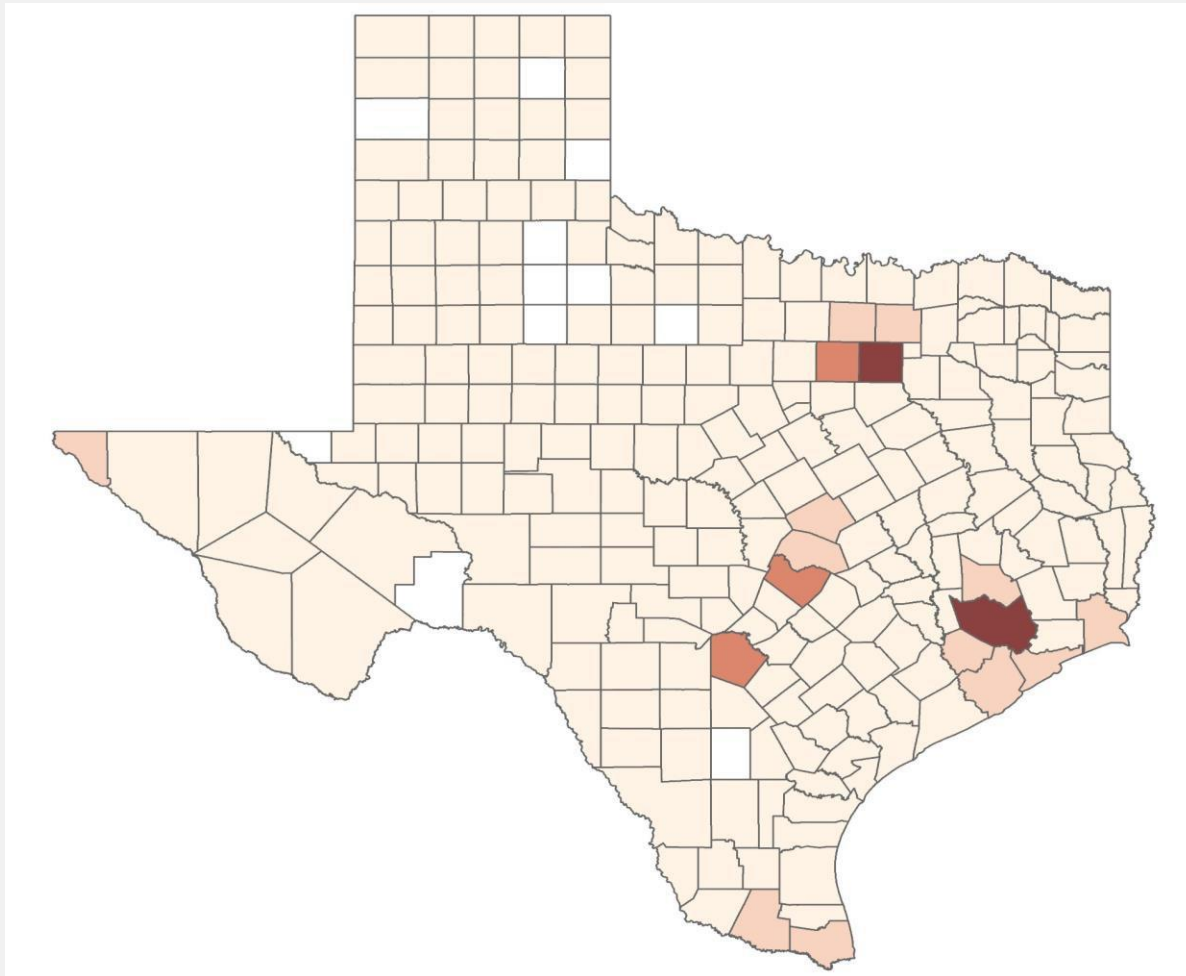


Texans Living with Diagnosed HIV, 2014-2022

Priority Populations in DFW



Geographic Distribution of PLWH in Texas, 2022



Top 10 Counties	PLWH	PLWH %
Harris	29,965	29%
Dallas*	21,117	20%
Bexar	7,362	7%
Tarrant*	6,998	7%
Travis	5,635	5%
El Paso	2,587	2%
Collin*	2,439	2%
Fort Bend	1,971	2%
Denton*	1,907	2%
Hidalgo	1,738	2%

* Counties in the DFW area

Ending the HIV Epidemic



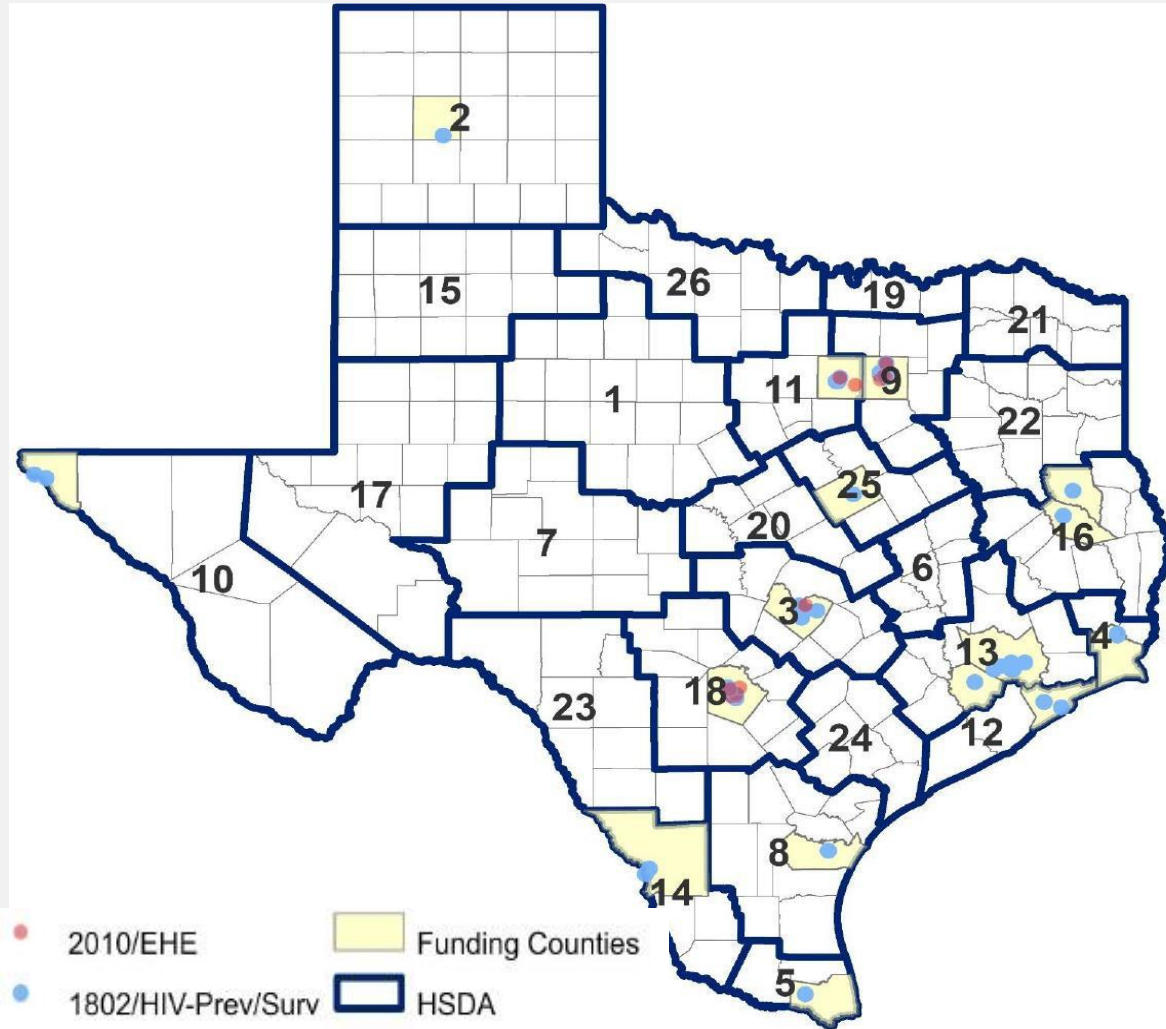
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Ending the HIV Epidemic (EHE) Goals

- In 2019, the White House announced the Ending the HIV Epidemic (EHE) initiative.
 - The overall aim is to end the HIV epidemic by 2030.
- The CDC identified and supported 57 jurisdictions in the initial rollout of the EHE initiative.
- San Antonio, Austin, Dallas, and Fort Worth include cities with CDC funding through the Texas DSHS, and Houston receives direct EHE funding from the CDC.

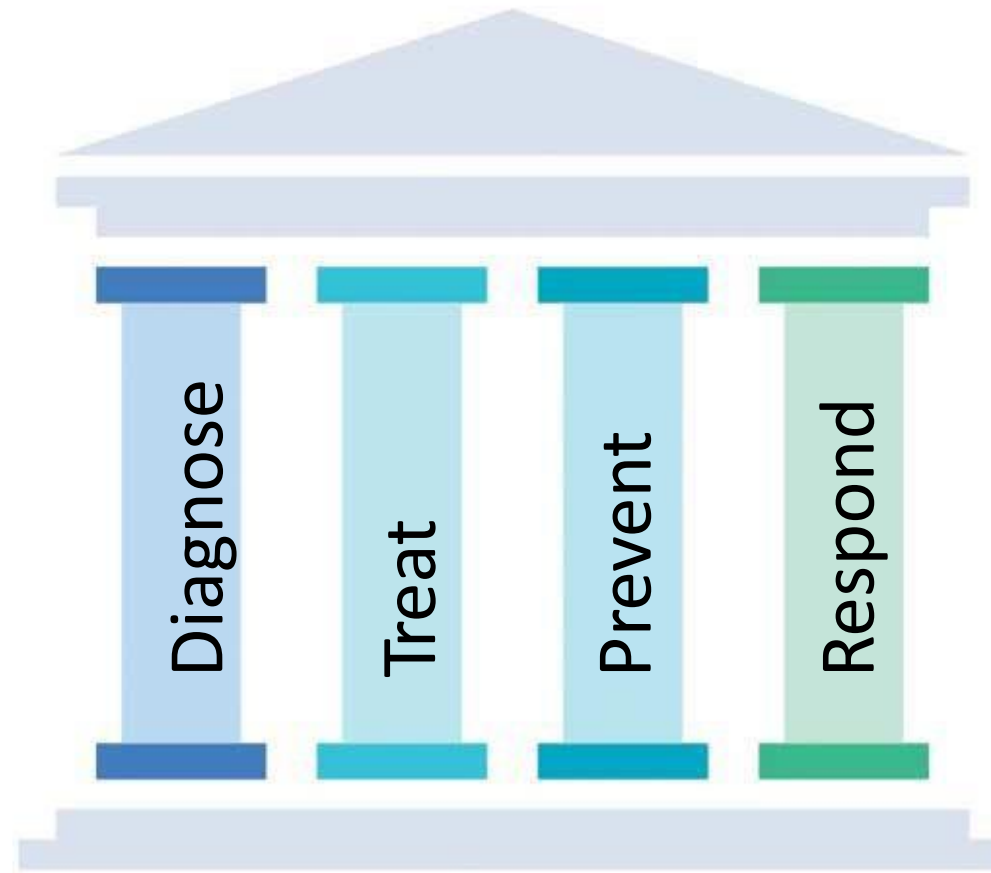
HIV Prevention and Care Funding



HIV Health Service Delivery Area (HSDA) * EHE Big 5

1- Abilene	14- Laredo
2- Amarillo	15- Lubbock
3- Austin*	16- Lufkin
4- Beaumont-Port Arthur	17- Permian Basin
5- Brownsville	18- San Antonio*
6- Bryan-College Station	19- Sherman-Denison
7- Concho Plateau	20- Temple-Killeen
8- Corpus Christi	21- Texarkana
9- Dallas*	22- Tyler
10- El Paso	23- Uvalde
11- Fort Worth*	24- Victoria
12- Galveston	25- Waco
13- Houston*	26- Wichita Falls

Ending the HIV Epidemic (EHE) Pillars



HIV Continuum of Care



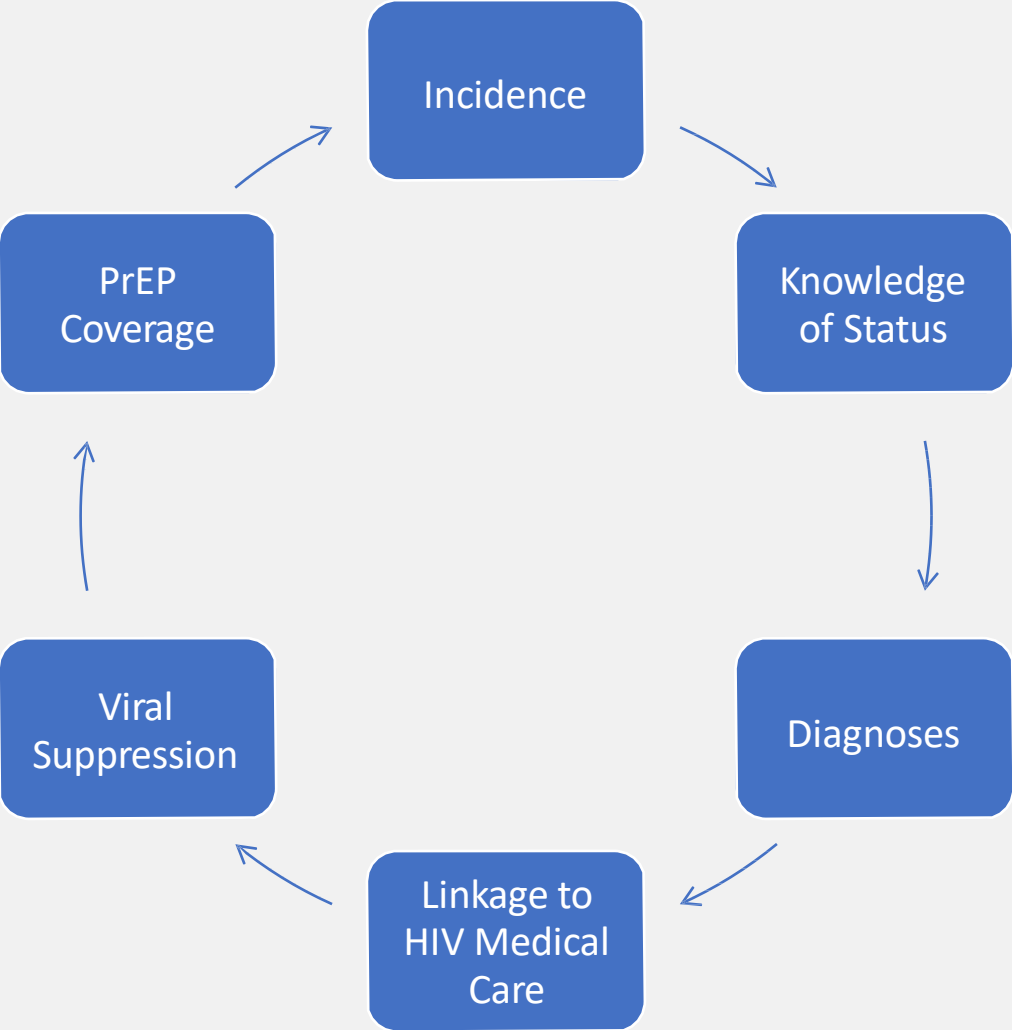
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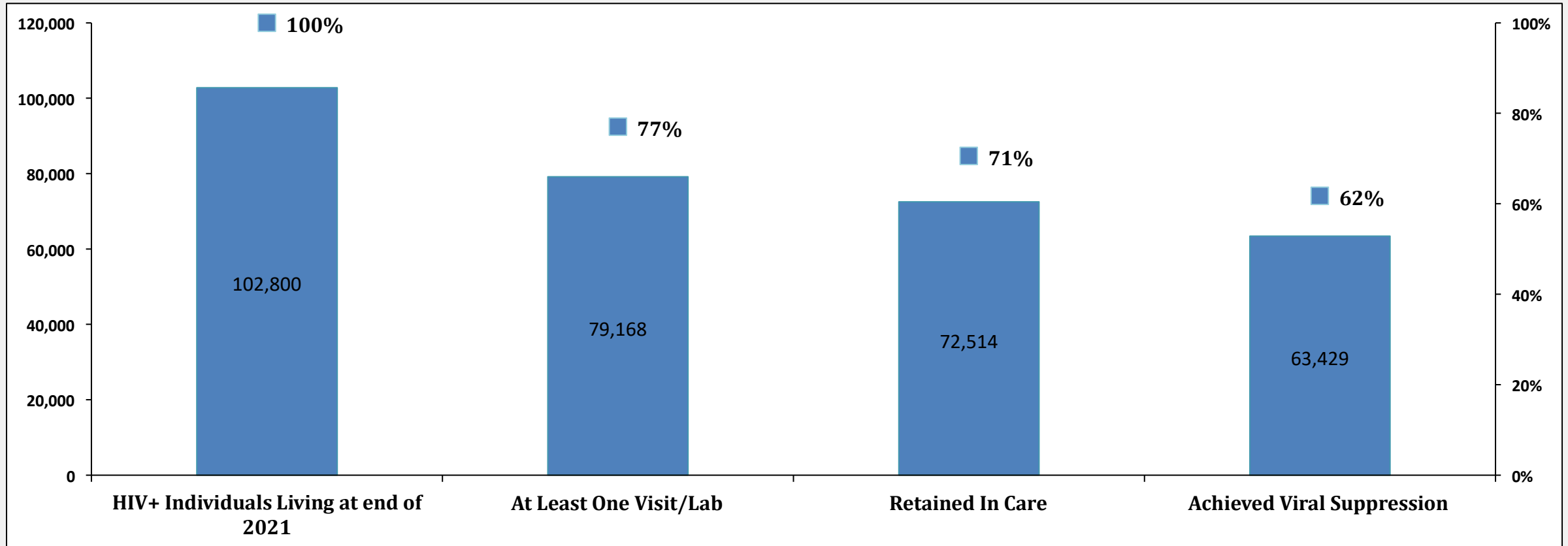
Texas Continuum of Care Steps

- New Dx – People with ***diagnosed HIV***
- People ***in care*** – people living with diagnosed HIV who had evidence of HIV-related treatment episodes during the year of interest
 - At least one outpatient visit
 - At least one CD4 or VL test
 - At least one filled prescription for an ART drug
- People ***retained in care*** – retention in care means at least 2 episodes of HIV-related care at least 3 months apart
- People with a ***suppressed viral load*** – a value of <200 for the last test in the year of interest

Texas Continuum of Care Steps



HIV Continuum of Care in TX, 2021



In Texas, nearly 77% were diagnosed and received at least one visit, 71% achieved retention in care, and 62% of total PLWH achieved viral suppression.

Retention in care is a priority area for the overall state.

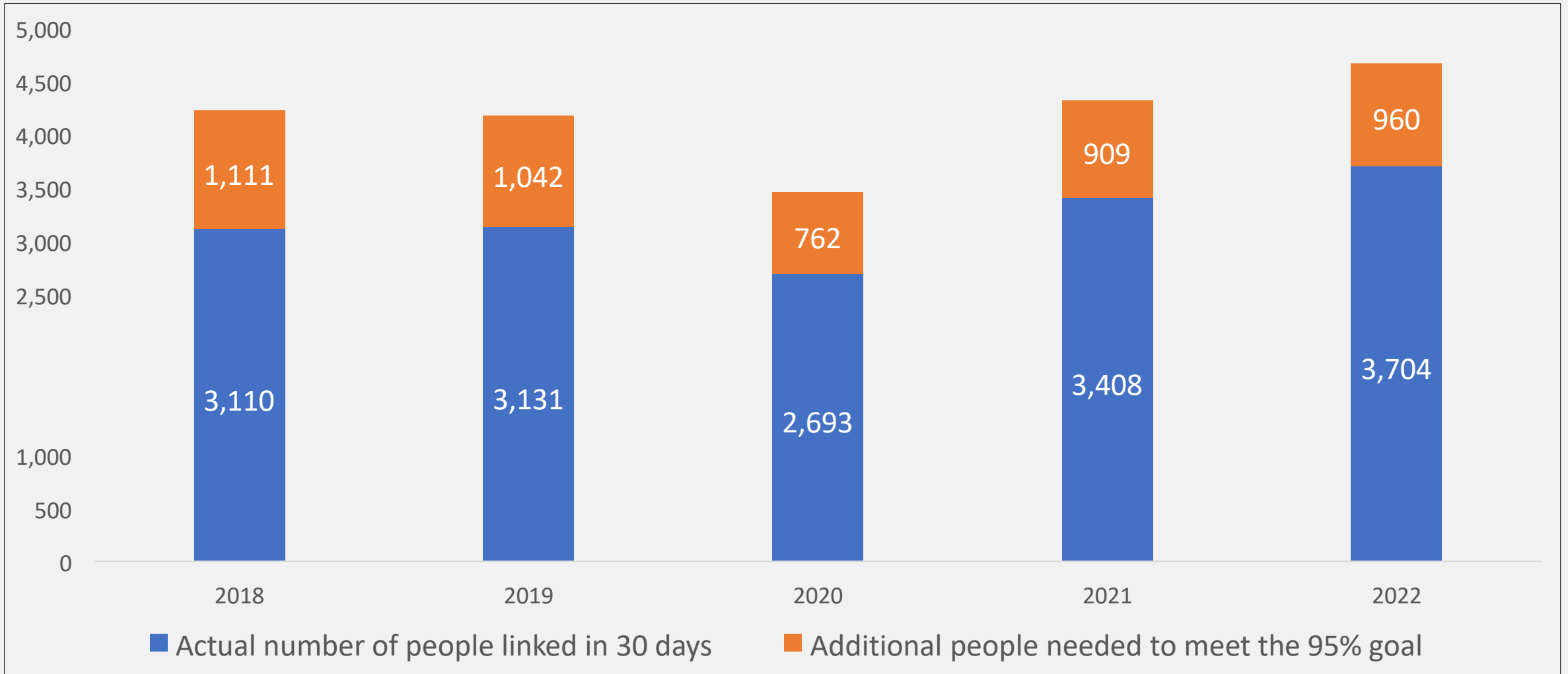
Linkage To Care



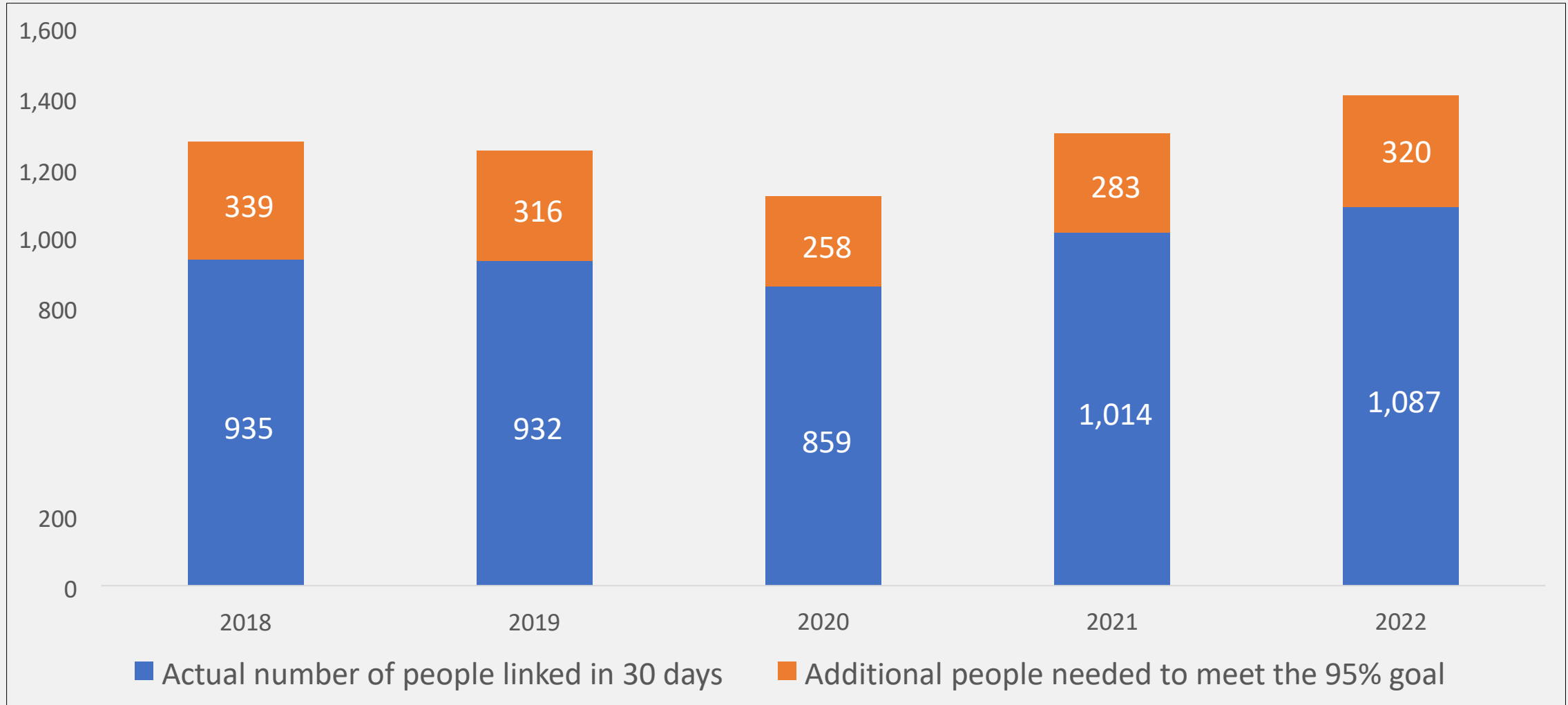
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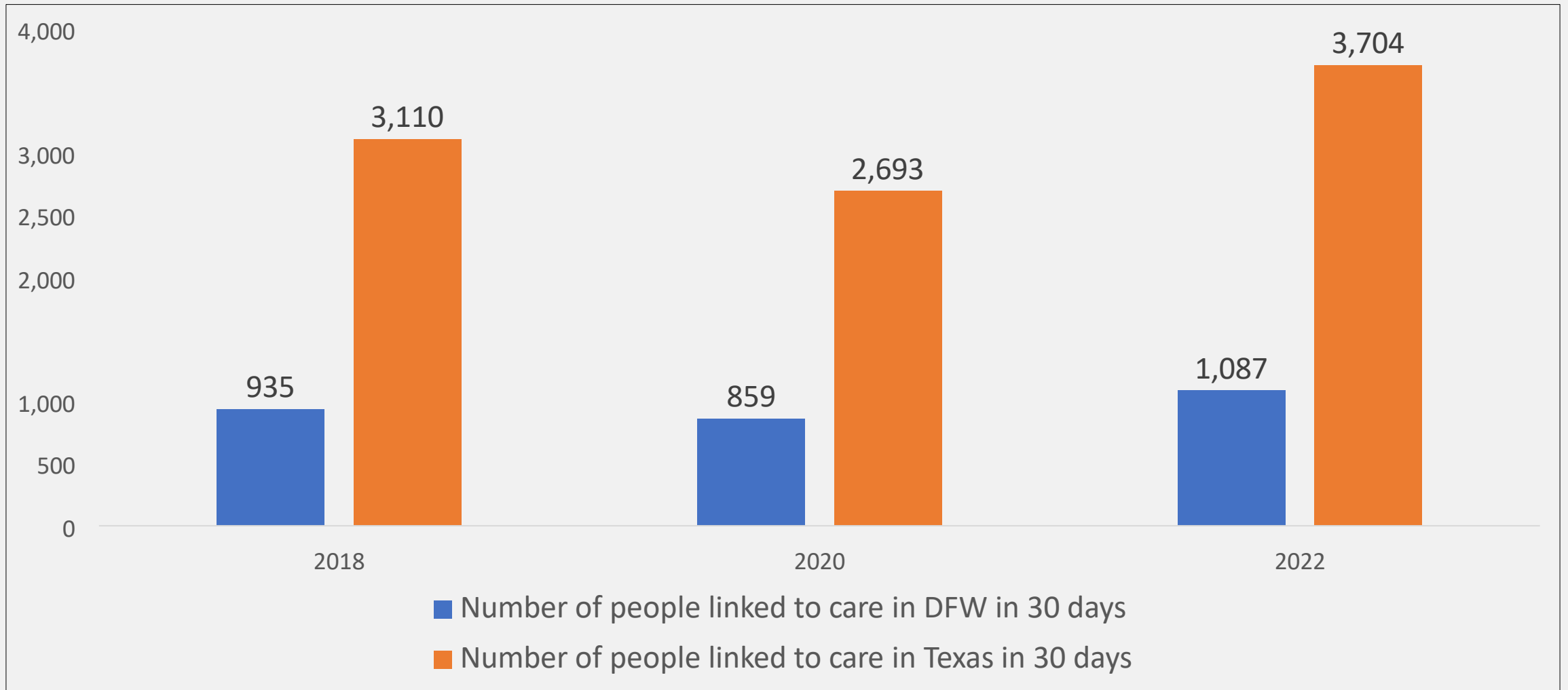
HIV Continuum of Care in TX, 2018-2022



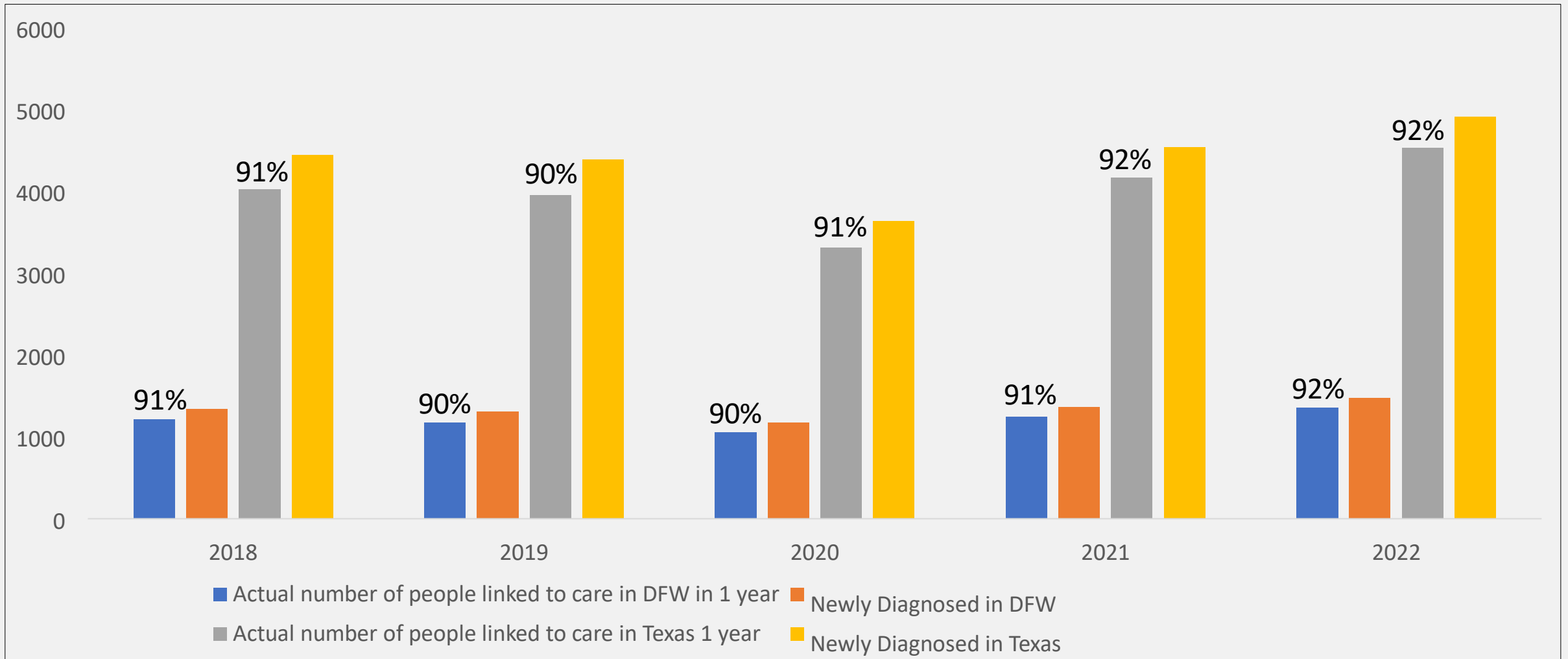
HIV Continuum of Care in DFW, 2018-2022



Linkage to Care in TX and DFW

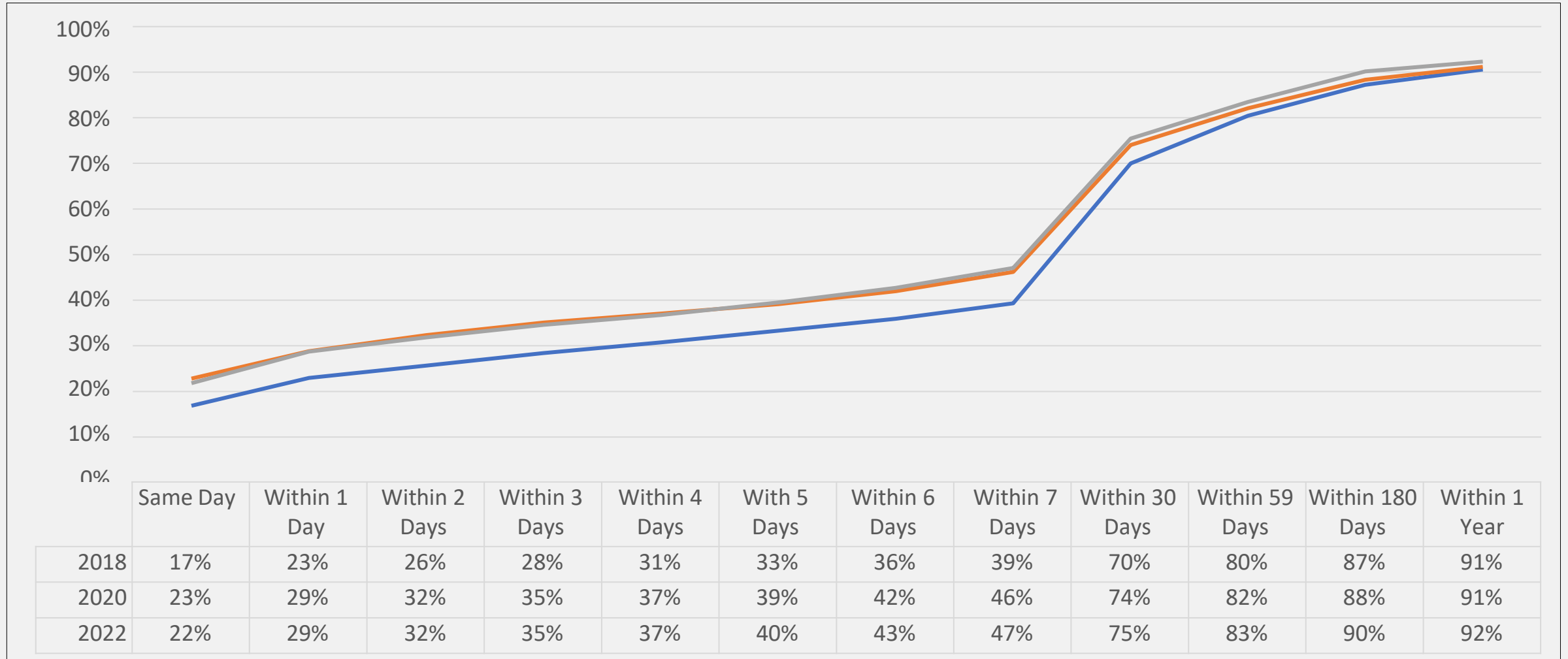


Linkage to Care in TX and DFW

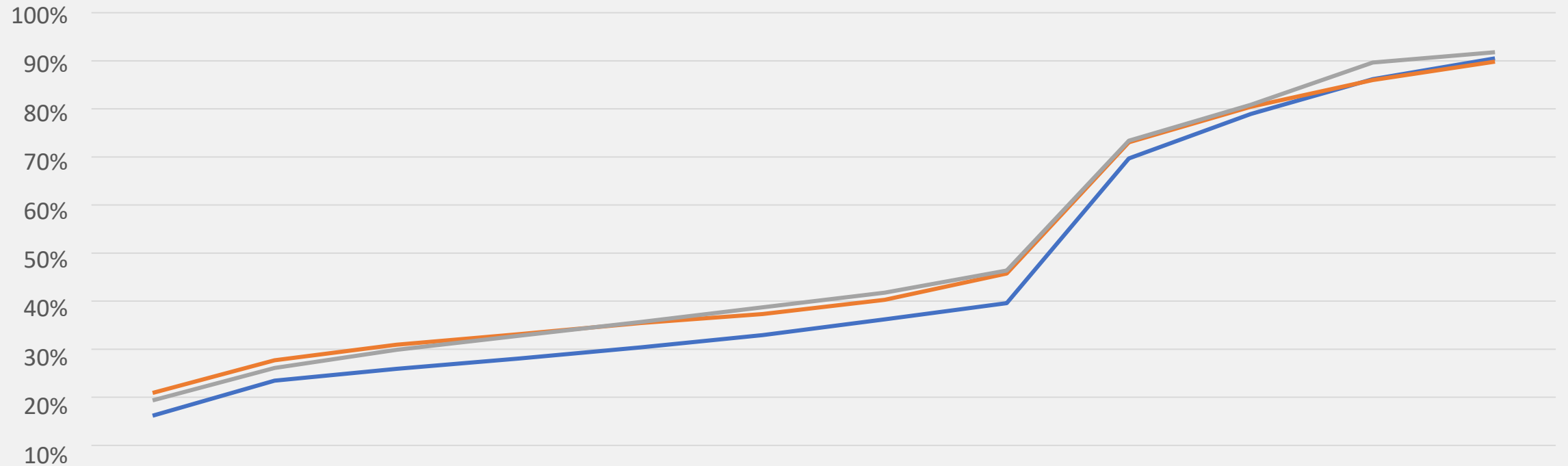


Source: DSHS HIV/STD/HCV Epidemiology and Surveillance Unit 2023 HIV Analysis File

Linkage Trend for TX from 2018-2021



Linkage Trend for DFW from 2018-2021



	Same Day	Within 1 Day	Within 2 Days	Within 3 Days	Within 4 Days	With 5 Days	Within 6 Days	Within 7 Days	Within 30 Days	Within 59 Days	Within 180 Days	Within 1 Year
2018	16%	23%	26%	28%	30%	33%	36%	40%	70%	79%	86%	91%
2020	21%	28%	31%	33%	35%	37%	40%	46%	73%	80%	86%	90%
2022	19%	26%	30%	33%	36%	39%	42%	46%	73%	81%	90%	92%

Retention in Care

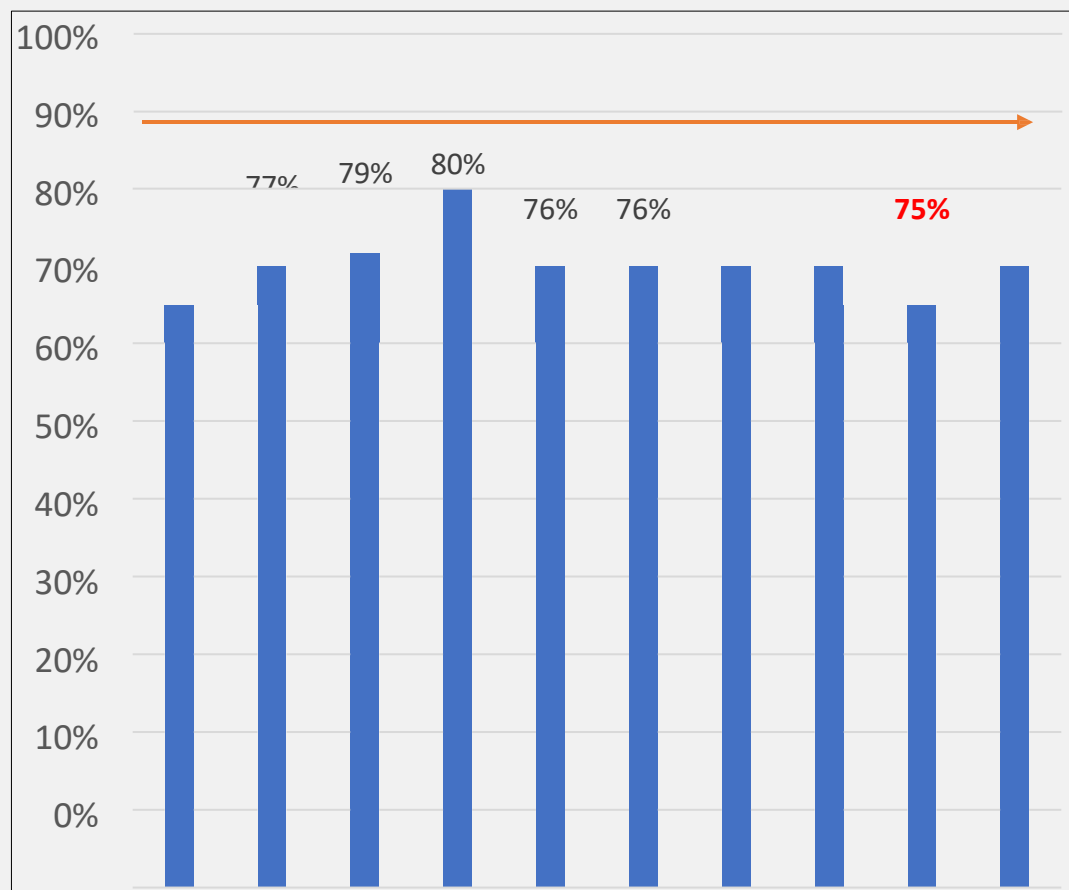


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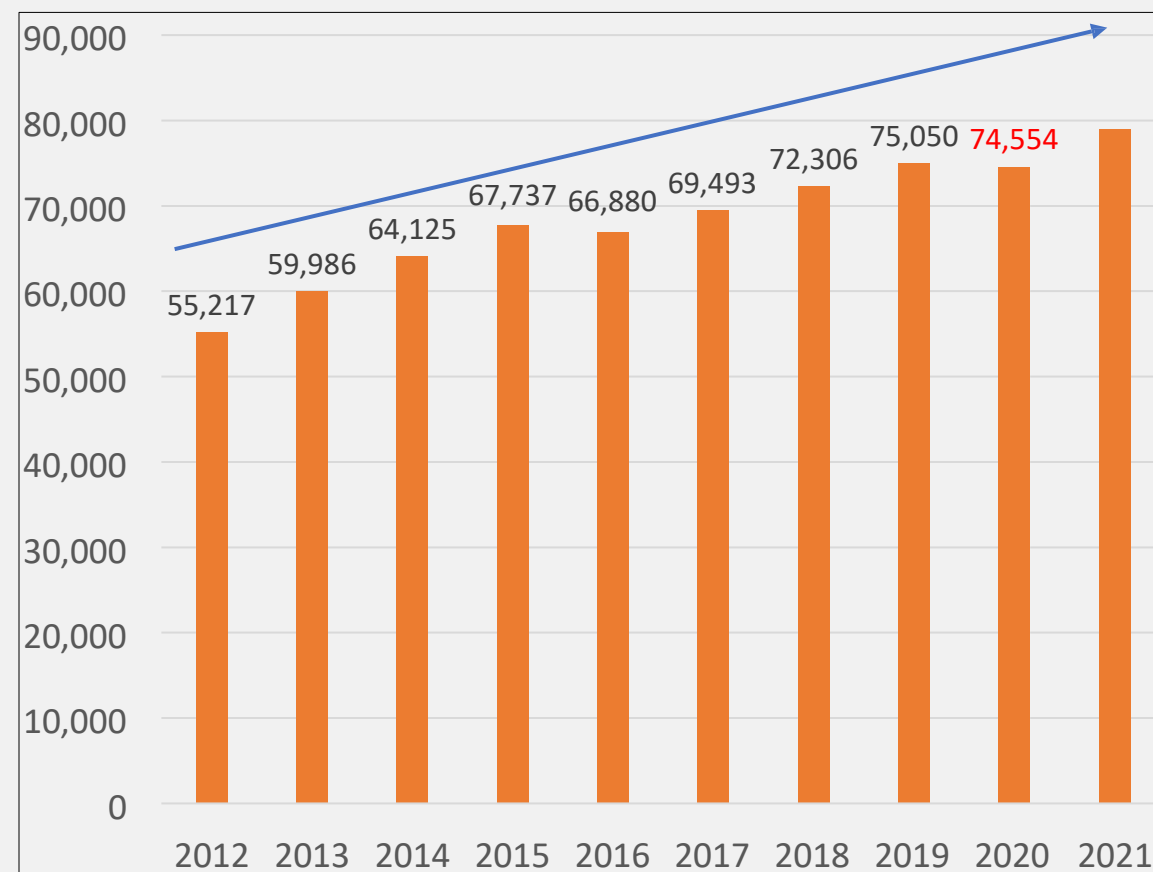
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Evidence of Care, 2012-2021

- Proportion of dx PLWH with any care

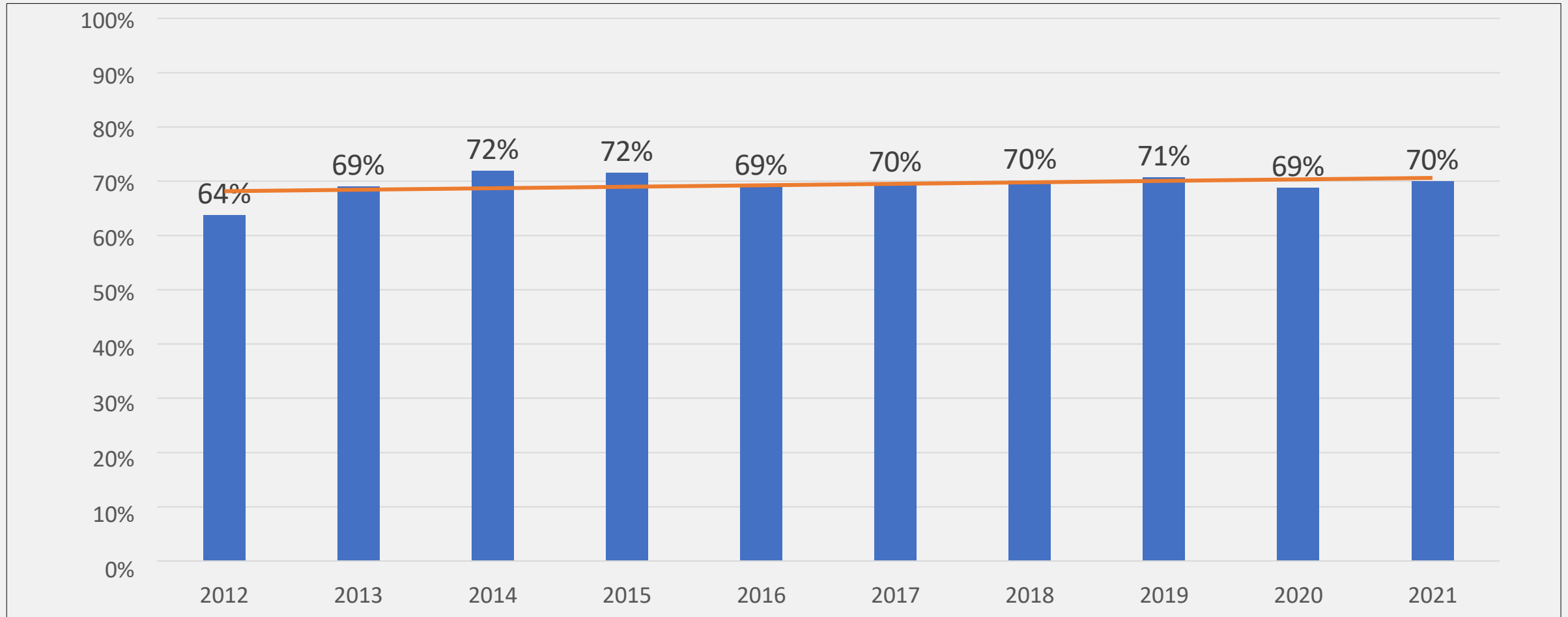


- Number of dx PLWH with any care



Retention in Care, 2012-2021

Proportion of PLWH on ART



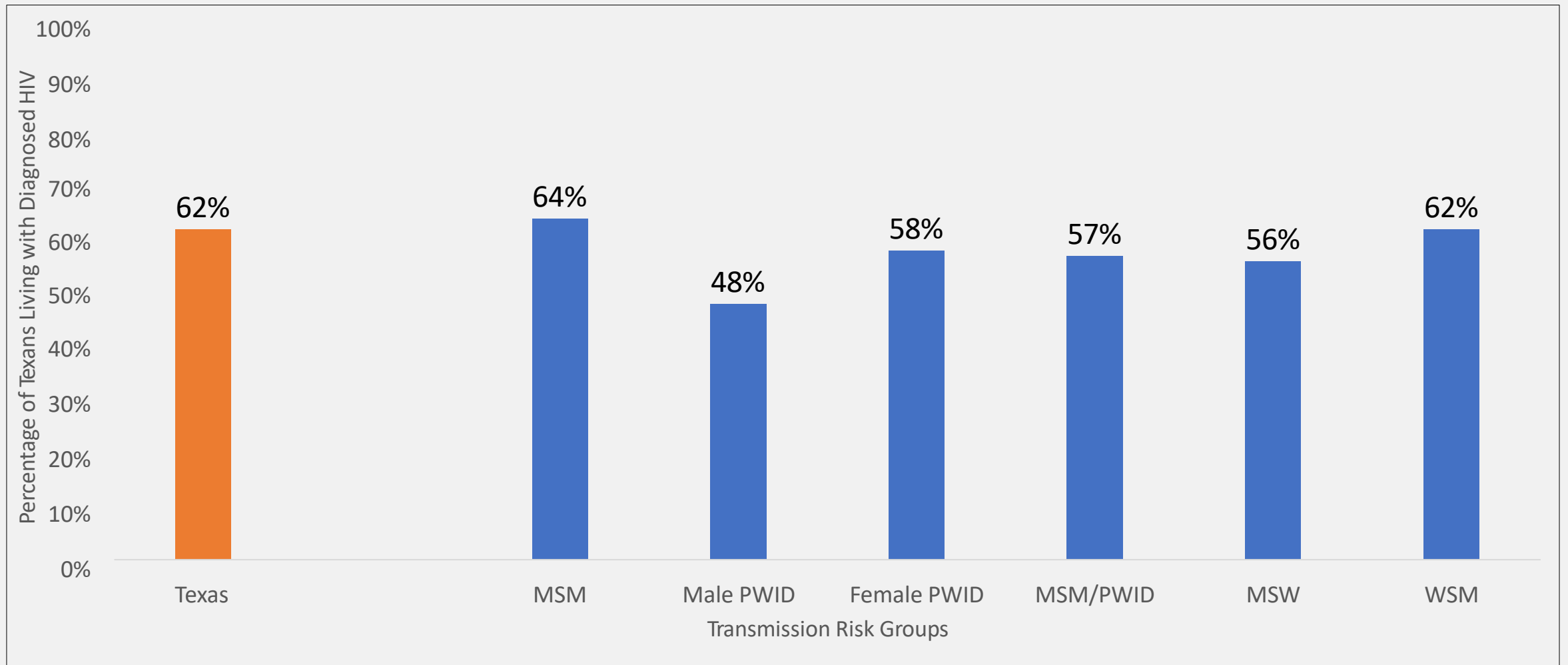
Viral Suppression



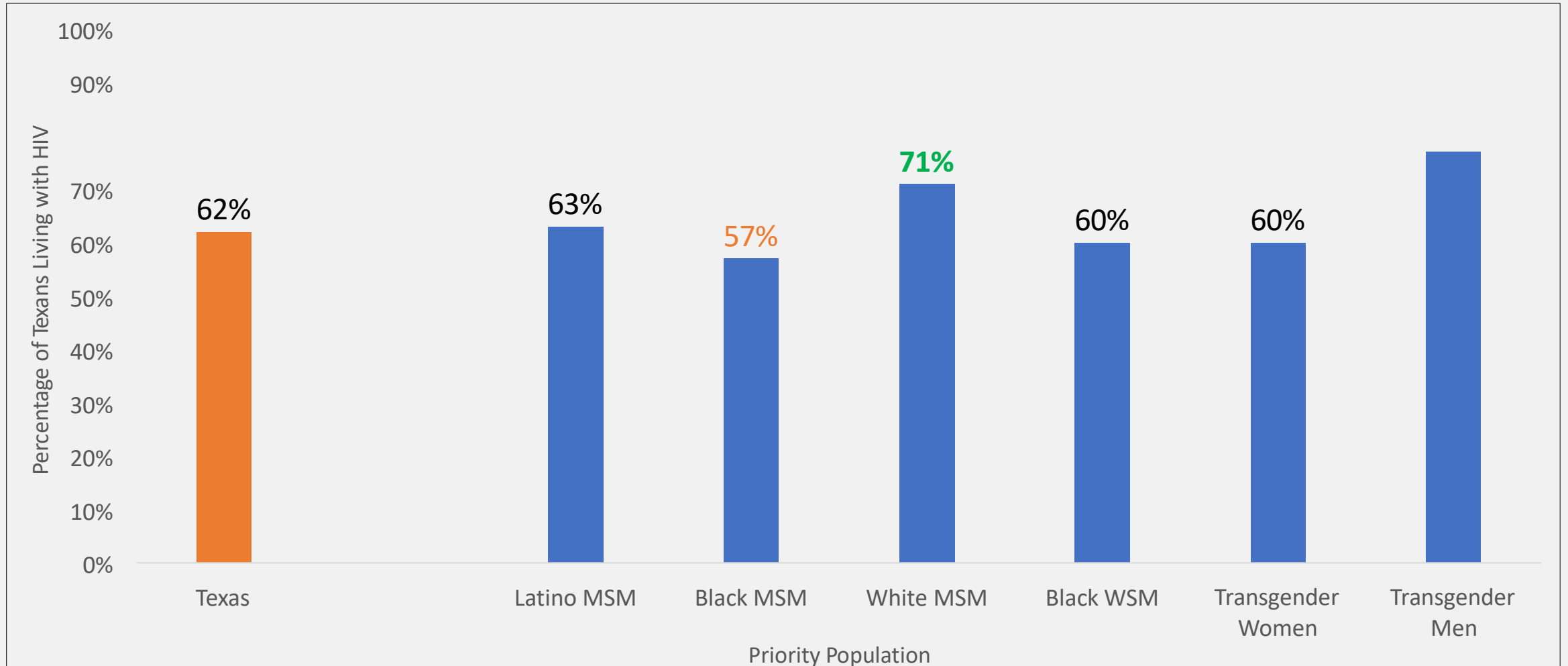
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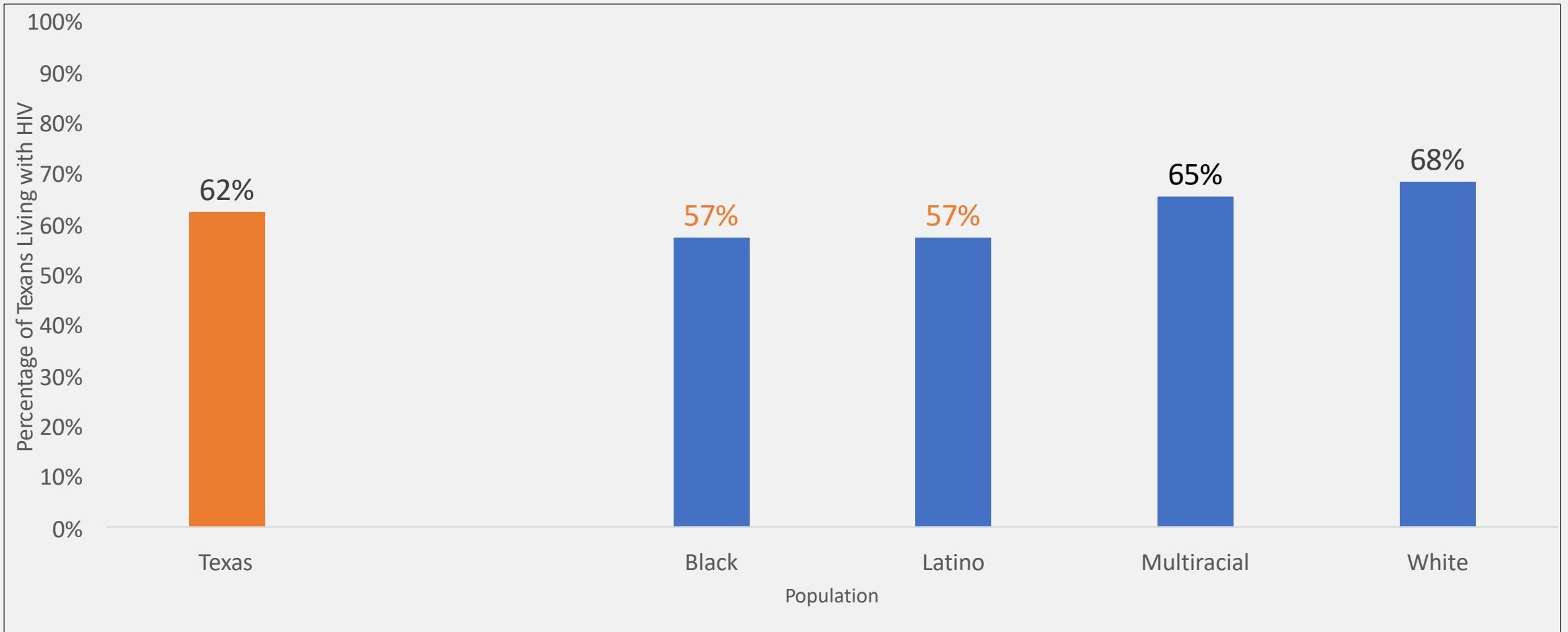
Viral Suppression, 2021



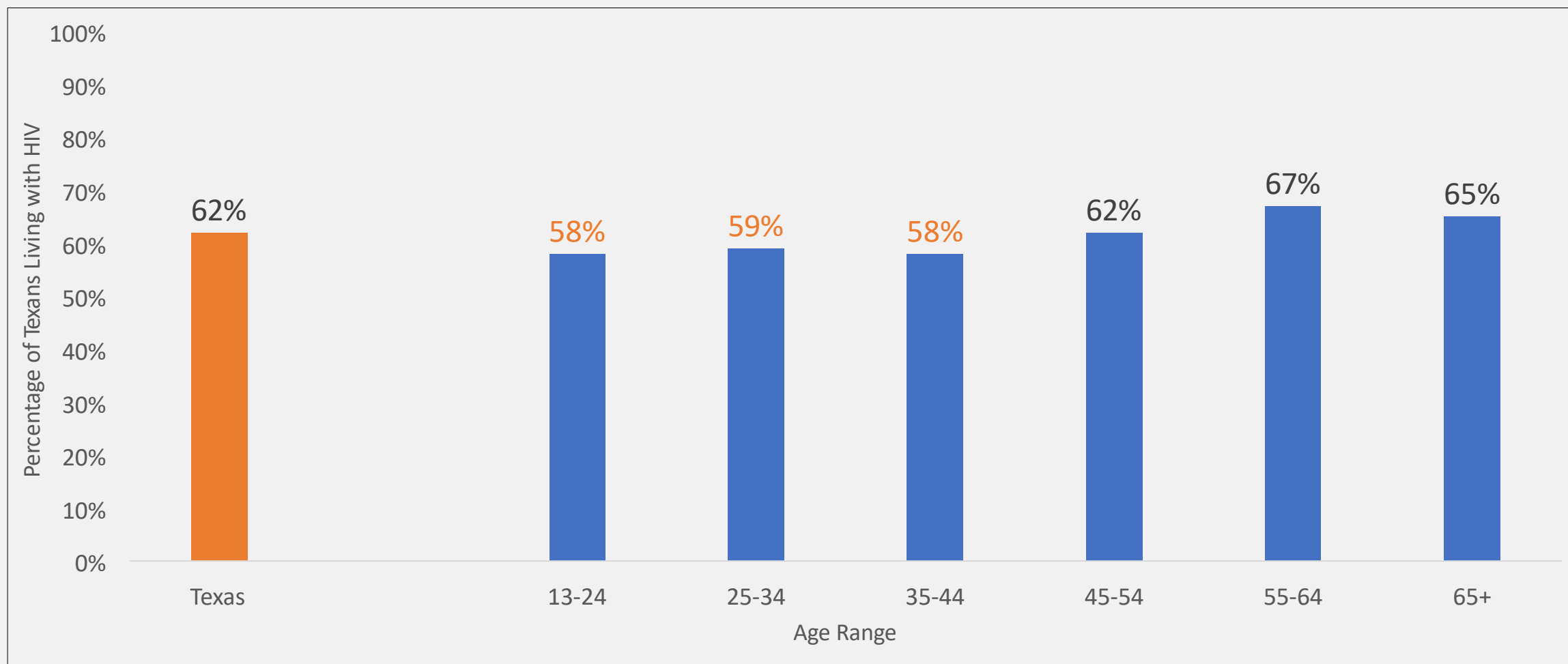
Viral Suppression, 2021



Viral Suppression, 2021



Viral Suppression Loads, 2021



Pre-Exposure Prophylaxis (PrEP)

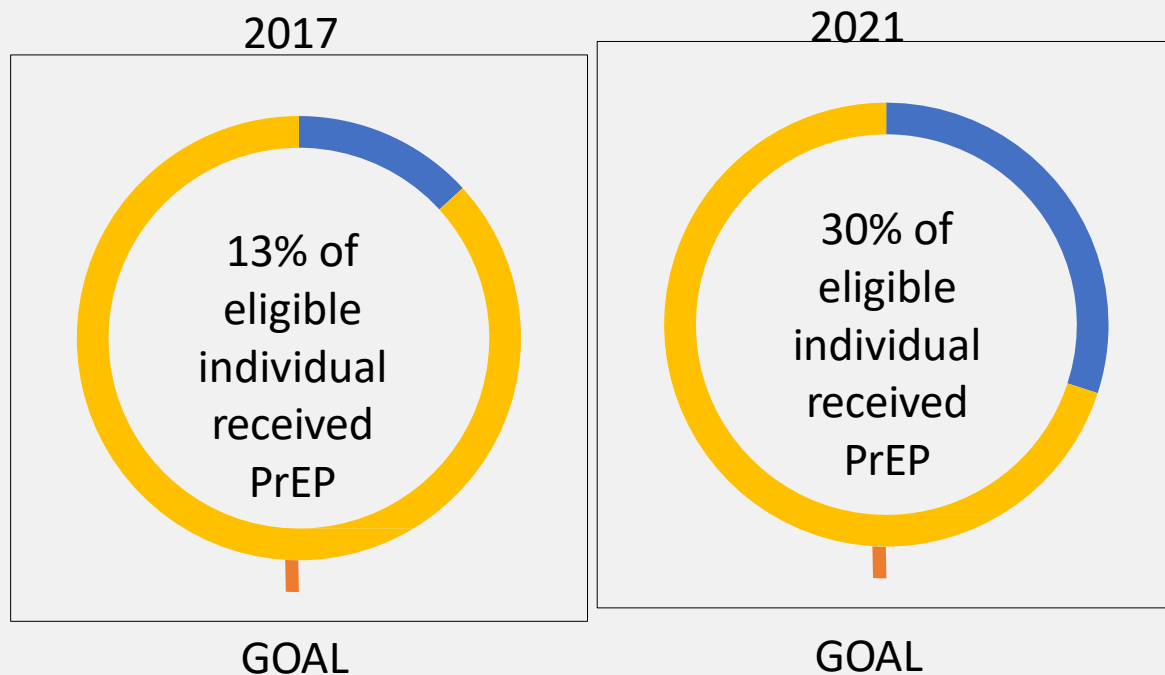


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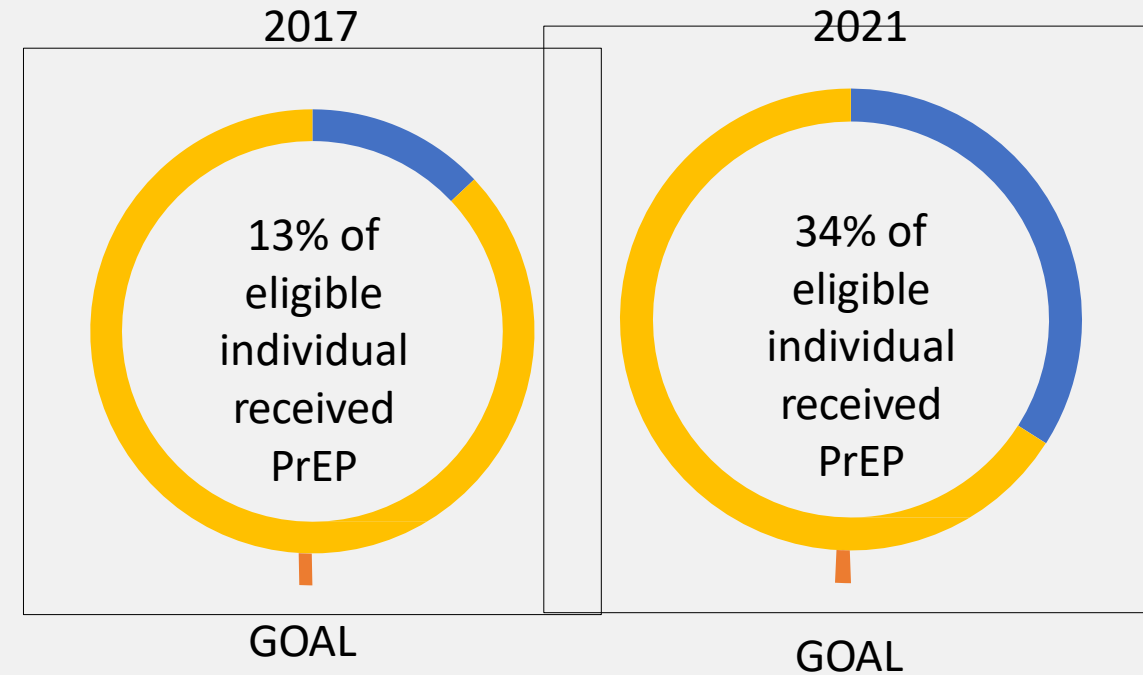
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Pre-Exposure Prophylaxis (PrEP)

Number of PrEP users in the United States, 2017 and 2021

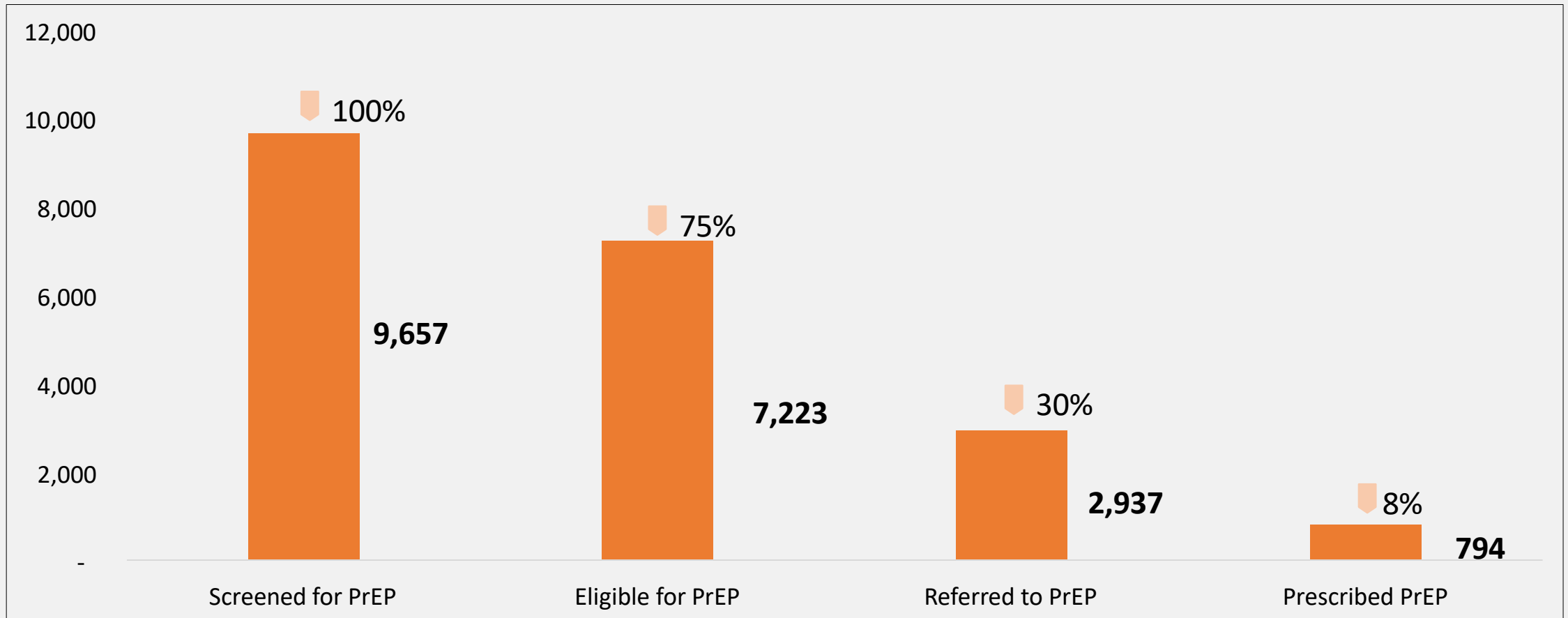


Number of estimated PrEP users in Texas, 2017 and 2021



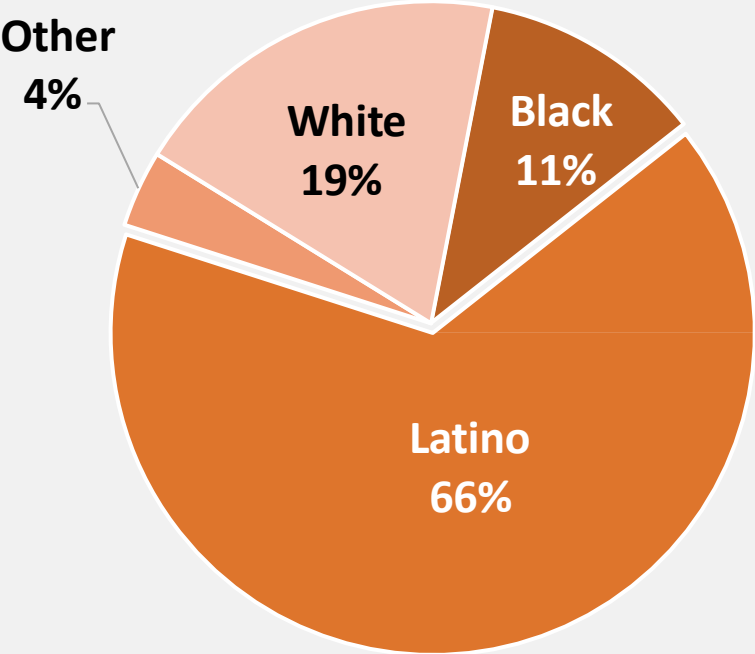
Funded PrEP Programs by Texas Department of State Health Services (DSHS)

All DSHS funded programs, 2021

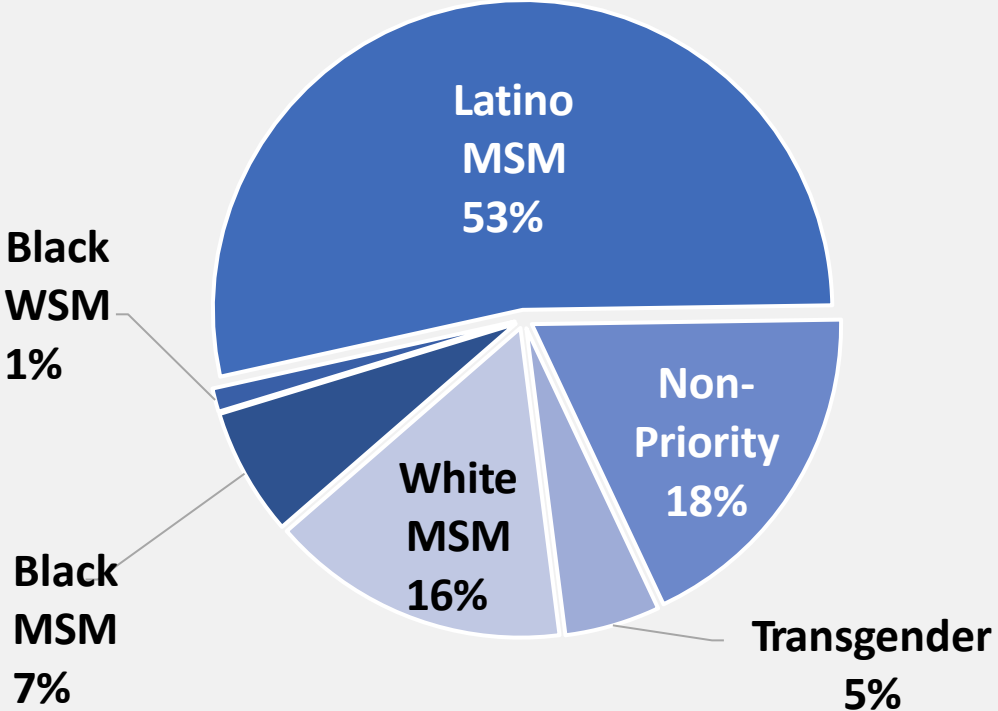


Prescribed PrEP by Key Demographics for All DSHS funded Programs, 2021

Race/Ethnicity



Priority Population



Texas Goals of 2030

Diagnoses

GOAL

**79,168 PLWH
had Evidence
of Care**

90-90-90

Linkage to Care

GOAL

**72,514 PLWH
were Linked to
Care**

77-71-62

Viral Suppression

GOAL

**63,429 PLWH
achieved Viral
Suppression**

THANK YOU



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