

# Visualizing Health Disparities:

## *Making data accessible for communities*

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# What's closer to Texas than Texas?



Image credit: The Atlantic, April 9, 2014

# Data Sources

## Legislated

- Surveillance data (eHARS/THISIS)
- Required viral load reporting

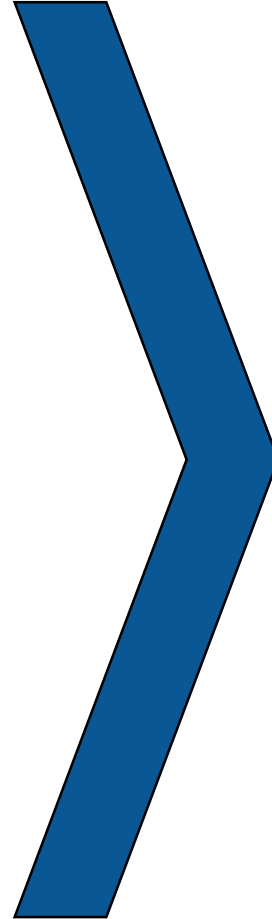
## Public Insurance

- Medicaid

## Programs

- Ryan White (ARIES, HIV2000)
- Prevention (STD\*MIS)
- Medical Monitoring Project

## Private Insurance



# Dataset example – Goal setting

Texas HIV Plan's 90% Retention Goal, 90% Suppression Goal and Closing the Disparity Gaps in Houston\_HSDA, 2017

Label	Total PLWH	Total Met Need	% Met Need	Total Retained	% Retained	Retention Goal	Gap	Total Suppressed	% Suppressed	Suppression Goal	Gap	% Suppressed out of # Retained
	28480	21476	75.00%	19457	68.00%	25632	6175	16302	57.00%	23069	6767	84.00%
Males	21111	15804	75.00%	14361	68.00%	19000	4639	12175	58.00%	17100	4925	85.00%
Females	7118	5464	77.00%	4914	69.00%	6406	1492	3995	56.00%	5765	1770	81.00%
Transgender People	251	208	83.00%	182	73.00%	226	44	132	53.00%	203	71	73.00%
Whites	5400	4199	78.00%	3922	73.00%	4860	938	3511	65.00%	4374	863	90.00%
Blacks	13945	10367	74.00%	9191	66.00%	12551	3360	7385	53.00%	11296	3911	80.00%
Latinx	7978	5978	75.00%	5495	69.00%	7180	1685	4684	59.00%	6462	1778	85.00%
Other Races/Unknown	390	280	72.00%	261	67.00%	351	90	241	62.00%	316	75	92.00%
< 25	1312	1033	79.00%	845	64.00%	1181	336	621	47.00%	1063	442	73.00%
25 - 44	12474	9335	75.00%	8206	66.00%	11227	3021	6649	53.00%	10104	3455	81.00%
45 - 64	12947	9904	76.00%	9277	72.00%	11652	2375	7983	62.00%	10487	2504	86.00%
>= 65	1747	1204	69.00%	1129	65.00%	1572	443	1049	60.00%	1415	366	93.00%
Male-Male Sexual Contact	16254	12365	76.00%	11216	69.00%	14629	3413	9625	59.00%	13166	3541	86.00%
Injection Drug Use	3514	2579	73.00%	2354	67.00%	3163	809	1852	53.00%	2847	995	79.00%
Male-Female Sexual Contact	8345	6270	75.00%	5652	68.00%	7510	1858	4673	56.00%	6759	2086	83.00%
All Other Modes of Transm	367	262	71.00%	236	64.00%	330	94	151	41.00%	297	146	64.00%
White MSM	4088	3246	79.00%	3044	74.00%	3680	636	2783	68.00%	3312	529	91.00%
Black MSM	6055	4444	73.00%	3908	65.00%	5450	1542	3161	52.00%	4905	1744	81.00%
Latino MSM	5243	3968	76.00%	3631	69.00%	4718	1087	3148	60.00%	4246	1098	87.00%
Black Hetero Females	3980	3049	77.00%	2701	68.00%	3582	881	2193	55.00%	3224	1031	81.00%
Transgender People	251	208	83.00%	182	73.00%	226	44	132	53.00%	203	71	73.00%

[Galveston\\_HSDA](#)
[Houston\\_HSDA](#)
[Laredo\\_HSDA](#)
[Lubbock\\_HSDA](#)
[Lufkin\\_HSDA](#)
[Permian\\_Basin\\_HSDA](#)
[San\\_Ar ...](#)

# Dataset example – sub-populations

Demographic and Transmission Risk Disparities in HIV Care Outcomes for Houston HSDA, 2017

				All PLWH		At Least One Visit				Retention in Care			
				as of end year 2017		Unmet Need		Met Need		No Retained in Care		Retained in Care	
				#	COLUMN %	#	ROW %	#	ROW %	#	ROW %	#	ROW %
<b>All PLWH</b>				28480	100	7004	25	21476	75	9023	32	19457	
<b>Sex at Birth</b>	<b>RACE/ETHNICITY</b>	<b>MODE OF TRANSMISSION</b>	<b>Age</b>										
<b>M</b>	<b>White Non-Hispanic</b>	<b>Male-Male Sexual Contact</b>	<b>13-24</b>	56	0	10	17	46	83	18	32	38	
			<b>25-34</b>	468	2	100	21	368	79	139	30	329	
			<b>35-44</b>	606	2	143	24	463	76	183	30	423	
			<b>45-54</b>	1230	4	234	19	997	81	295	24	936	
			<b>55-64</b>	1253	4	234	19	1019	81	273	22	980	
			<b>65+</b>	493	2	127	26	366	74	143	29	350	
		<b>Injection Drug Use or Male-Male Sexual Contact/Injection Drug Use</b>	<b>13-24</b>	5	0	0	6	5	94	3	62	2	
			<b>25-34</b>	37	0	6	16	31	84	11	31	25	
			<b>35-44</b>	89	0	19	21	70	79	27	30	63	
			<b>45-54</b>	169	1	47	28	122	72	61	36	108	
			<b>55-64</b>	171	1	46	27	125	73	51	30	120	
			<b>65+</b>	37	0	18	47	20	53	18	49	19	
		<b>Sex with Male/Sex with Female</b>	<b>13-24</b>	0	0	0	100	.	.	0	100	.	
			<b>25-34</b>	6	0	0	2	6	98	0	5	6	
			<b>35-44</b>	28	0	7	23	22	77	8	27	21	
			<b>45-54</b>	51	0	14	29	36	71	17	33	34	
			<b>55-64</b>	50	0	12	24	38	76	14	27	37	
			<b>65+</b>	34	0	12	36	22	64	15	45	18	
		<b>Perinatal Transmission/Adult Other</b>	<b>2-12</b>	3	0	.	.	3	100	.	.	3	
			<b>13-24</b>	8	0	2	25	6	75	3	38	5	
			<b>25-34</b>	7	0	4	57	3	43	4	57	3	
			<b>35-44</b>	3	0	1	33	2	67	1	33	2	



# Priority Populations - Texas



Latino Gay, Bisexual  
and other Men who  
have Sex with Men  
(Latino MSM)



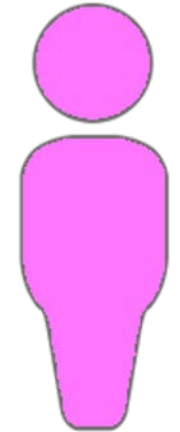
White Gay, Bisexual  
and other Men who  
have Sex with Men  
(White MSM)



Black Gay, Bisexual  
and other Men who  
have Sex with Men  
(Black MSM)



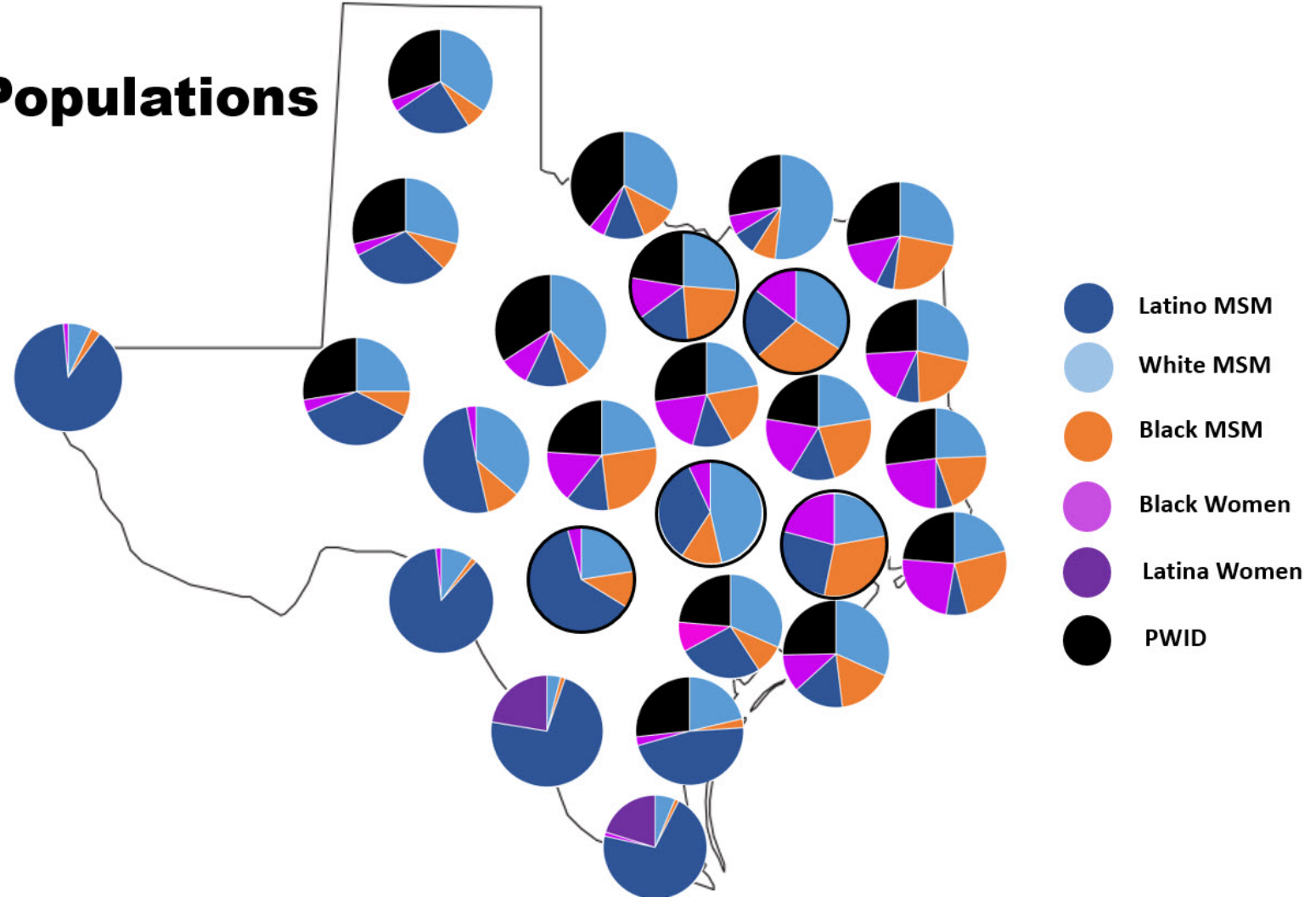
Black Women who  
have Sex with Men  
(Black Women)



Transgender  
People

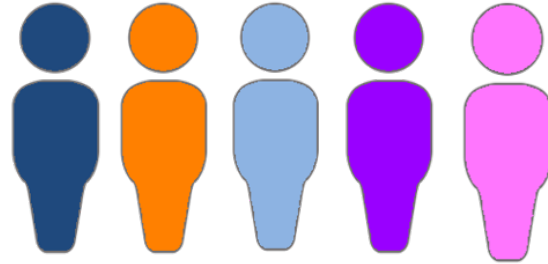
# Priority Populations – by Region

## PLWH Priority Populations by HSDA



# Priority Populations – Houston HSDA

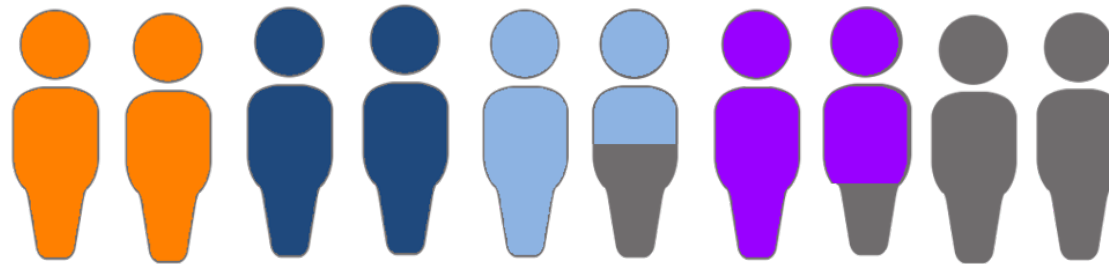
Locally Relevant  
Populations for  
Focused Prevention



New Diagnoses  
*2017 – 1,213*



PLWH  
*2017 – 28,480*



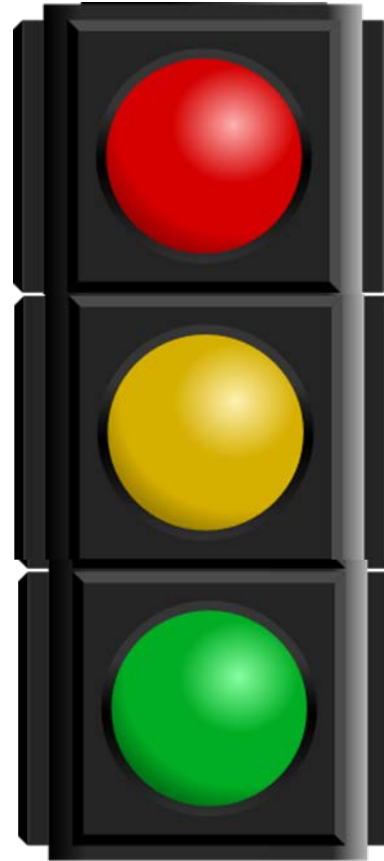
- Latino MSM
- White MSM
- Black MSM
- Black Women
- Transgender People



# Treatment Cascade Stoplight System

Retention In Care

In-Care Viral Suppression



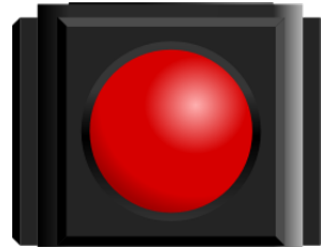
# Treatment Cascade Stoplight System cont.

Retention In Care

In-Care Viral Suppression

Stop and examine further, May be a priority

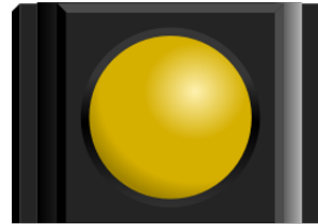
< 69%



< 84%

May need to examine further, May not be a priority

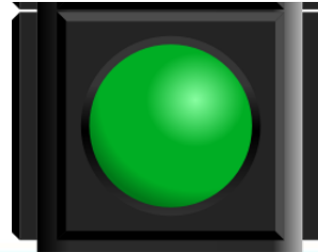
70% - 89%



85% - 89%

Maintain Current Activities, Look for Promising Practices

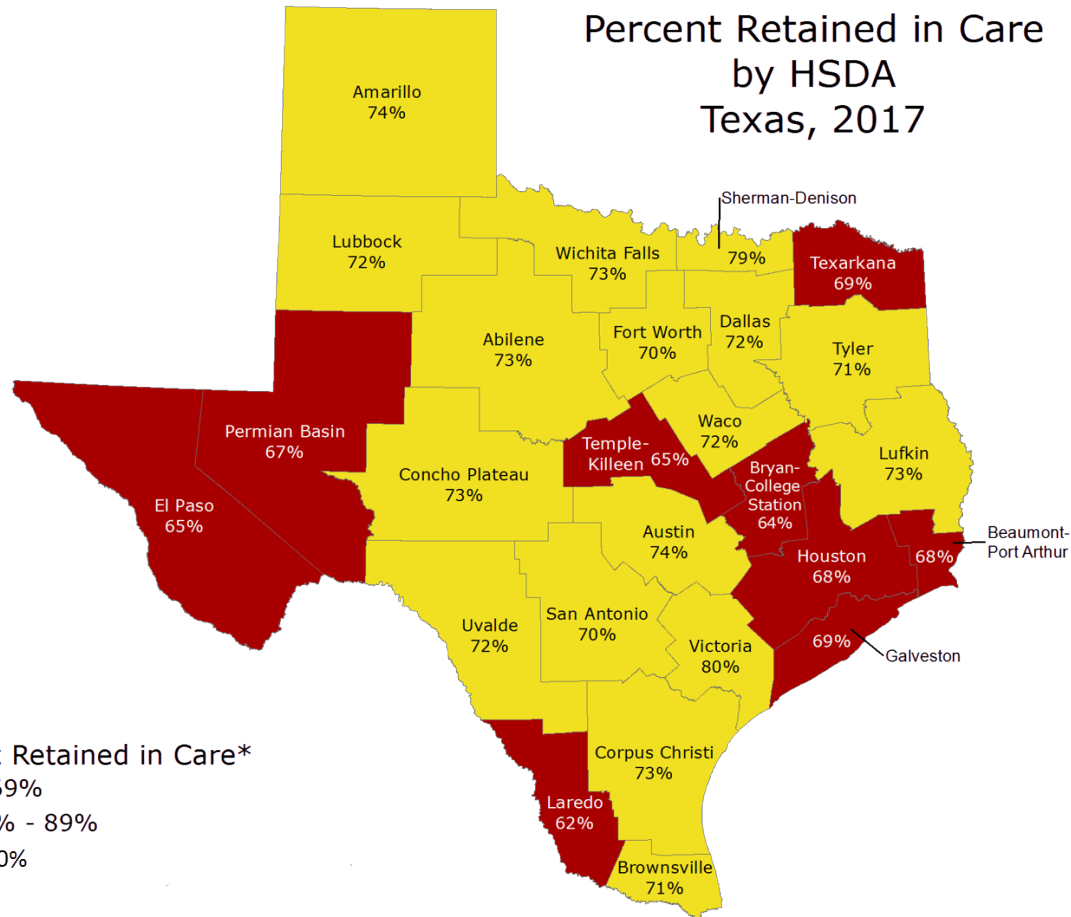
90% <



90% <

# Treatment Cascade Stoplight System – by HSDA

Percent Retained in Care  
by HSDA  
Texas, 2017

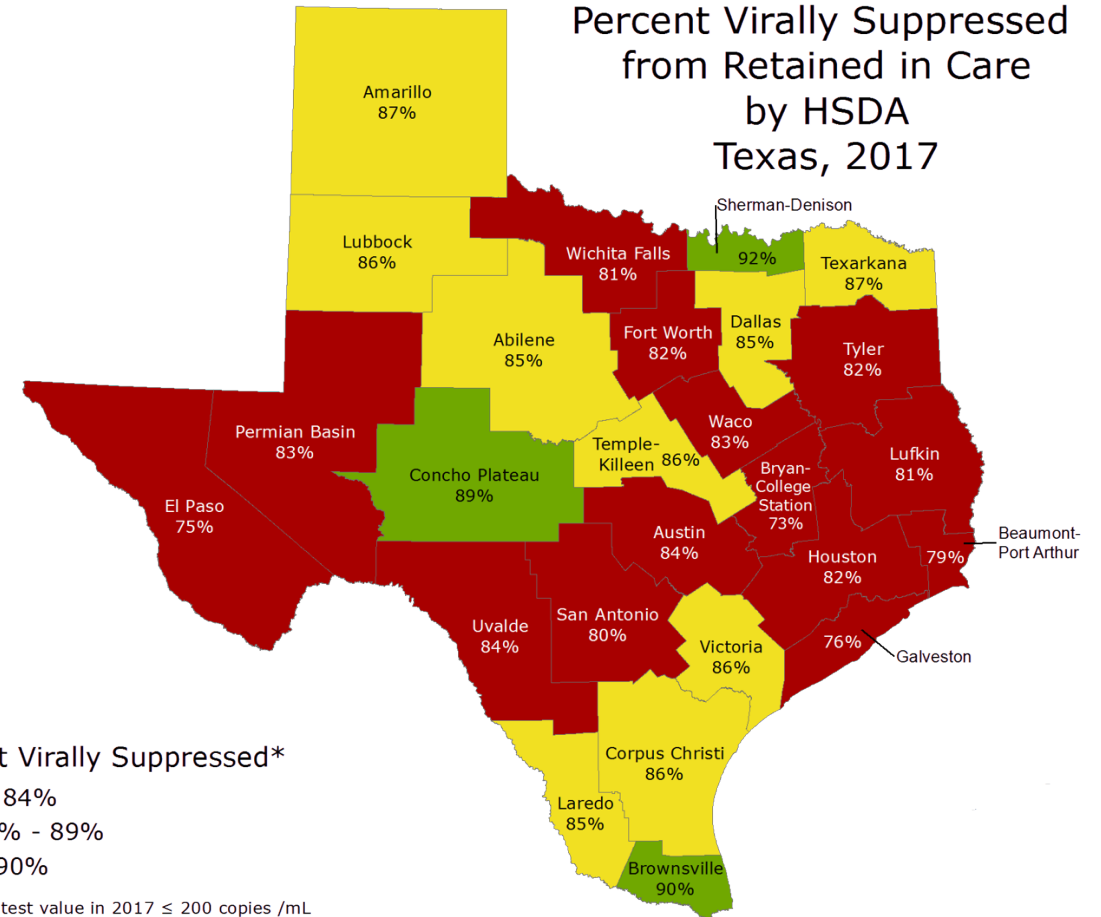


Percent Retained in Care\*

- Red: ≤ 69%
- Yellow: 70% - 89%
- Green: ≥ 90%

Source: Texas eHARS, 2018

Percent Virally Suppressed  
from Retained in Care  
by HSDA  
Texas, 2017



Percent Virally Suppressed\*

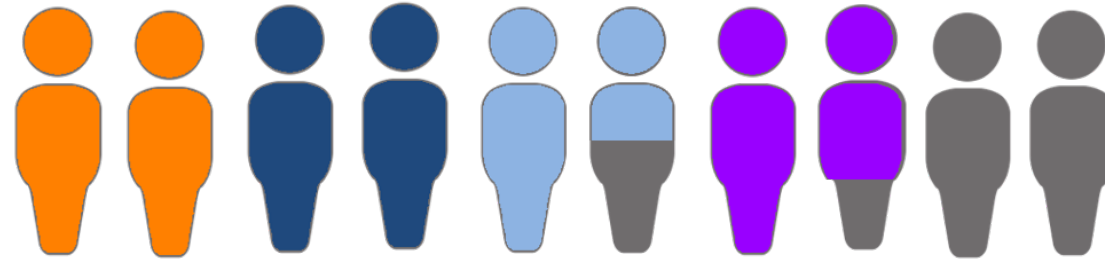
- Red: ≤ 84%
- Yellow: 85% - 89%
- Green: ≥ 90%

\*Last viral test value in 2017 ≤ 200 copies /mL

Source: Texas eHARS, 2018

# Priority Populations

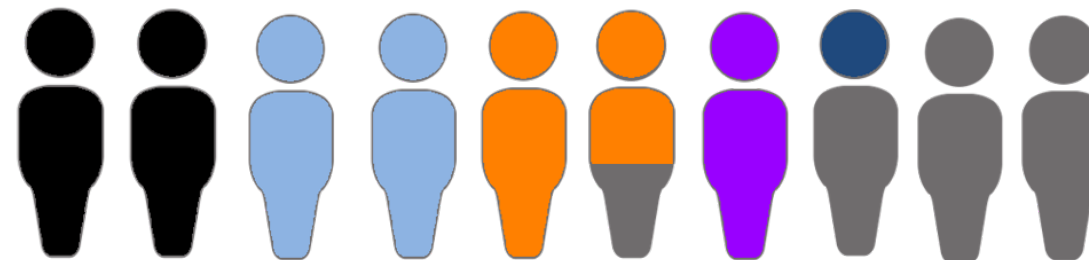
Houston HSDA  
2017 PLWH: 28,480



El Paso HSDA  
2017 PLWH: 2,199



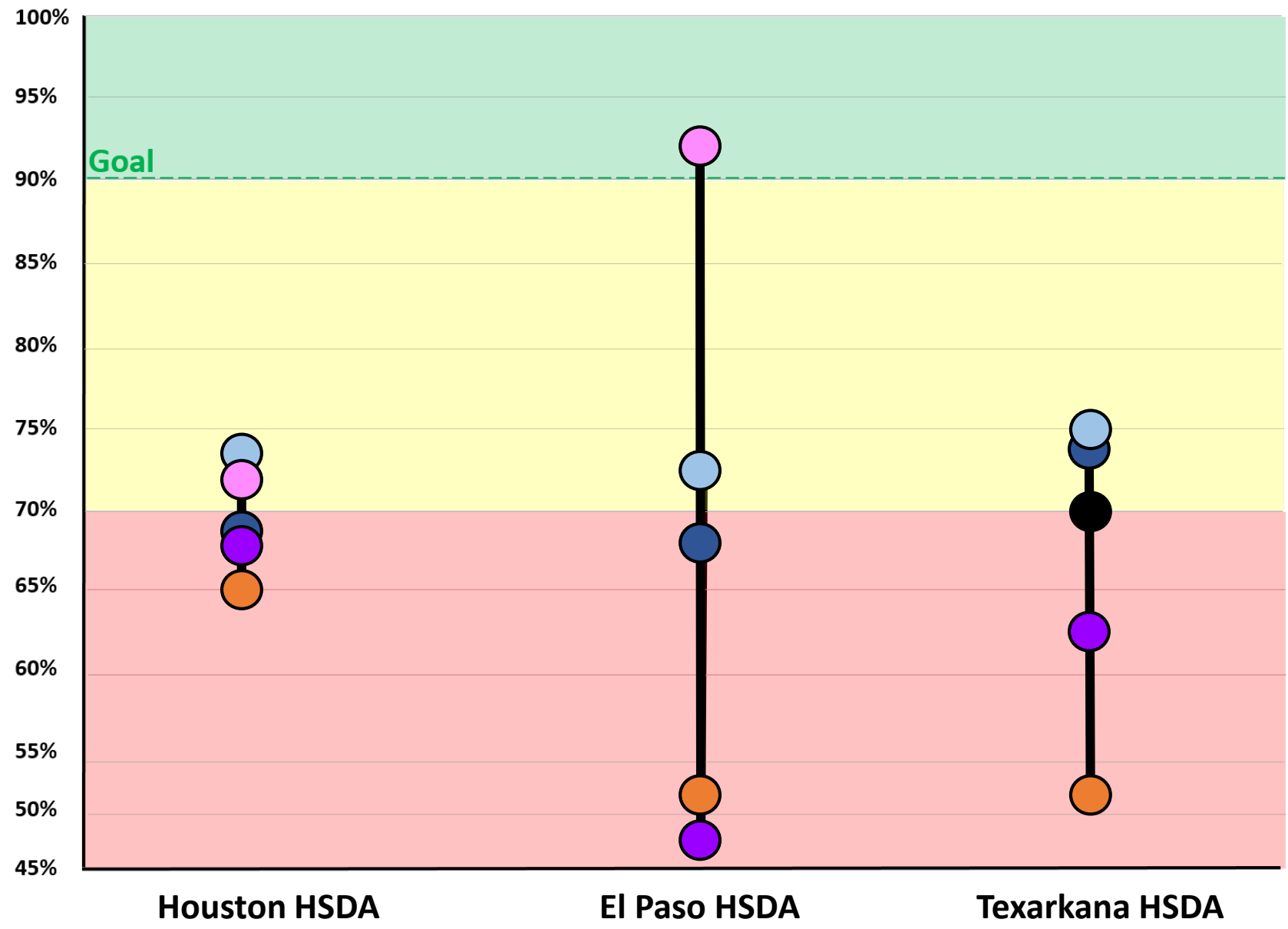
Texarkana HSDA  
2017 PLWH: 464



- Latino MSM
- White MSM
- Black MSM
- Black Women
- Transgender People
- People Who Inject Drugs (PWID)

# Retention in Care

- Latino MSM
- White MSM
- Black MSM
- Black Women
- Transgender People \*
- People Who Inject Drugs (PWID)

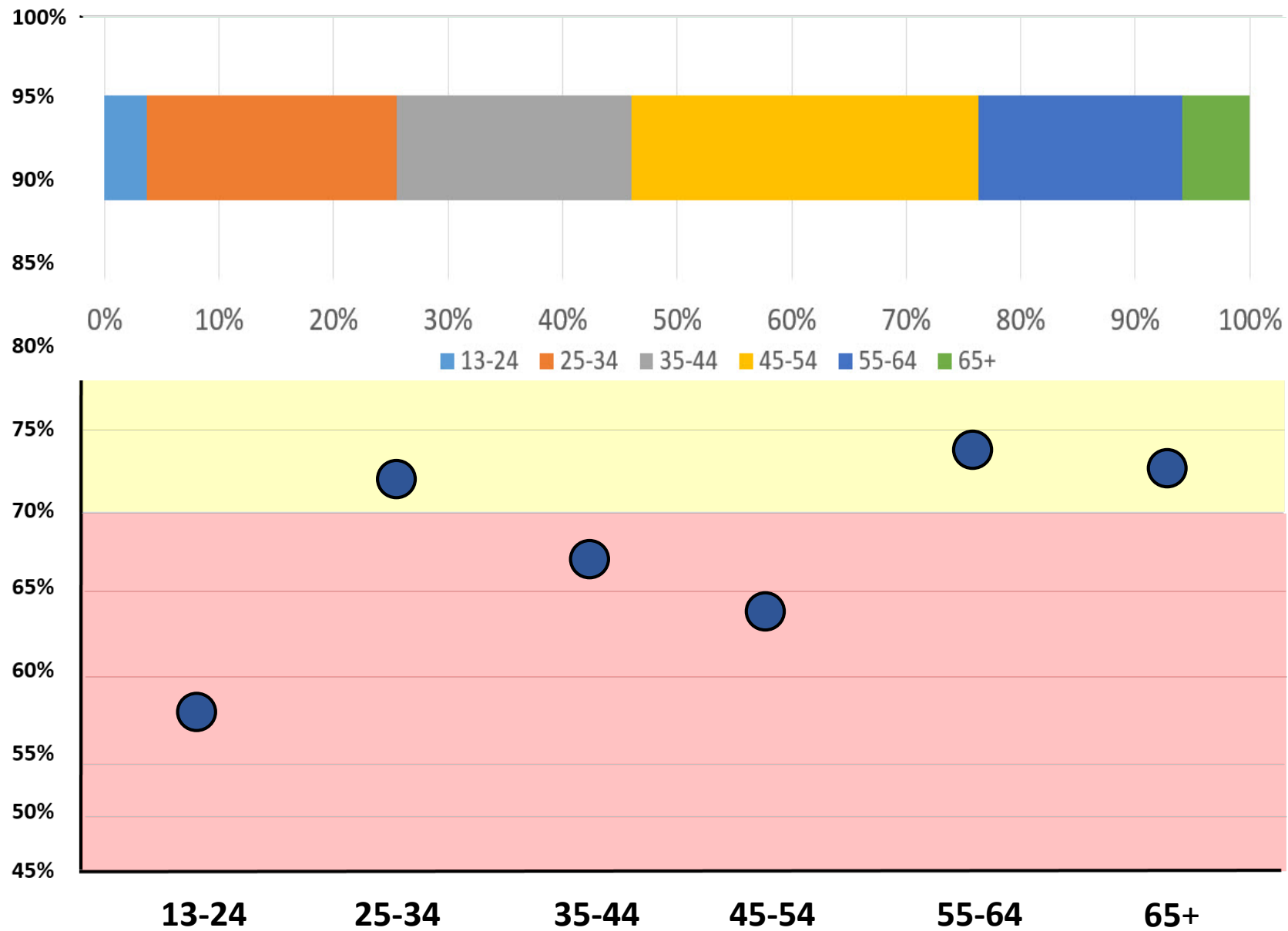


\* Data sets representing PLWH who are in-care are most often used to confirm gender identify for transgender PLWH. Because of this, the percentage of transgender PLWH who have achieved retention in care may be over-represented here.



# Retention in Care: El Paso

● Latino MSM



# In-Care Viral Suppression

- Latino MSM
- White MSM
- Black MSM
- Black Women
- Transgender People
- People Who Inject Drugs (PWID)

