



HIV UPDATE

Health Commission, Oct 4, 2022

Hyman Scott

Nyisha Underwood

Stephanie Cohen



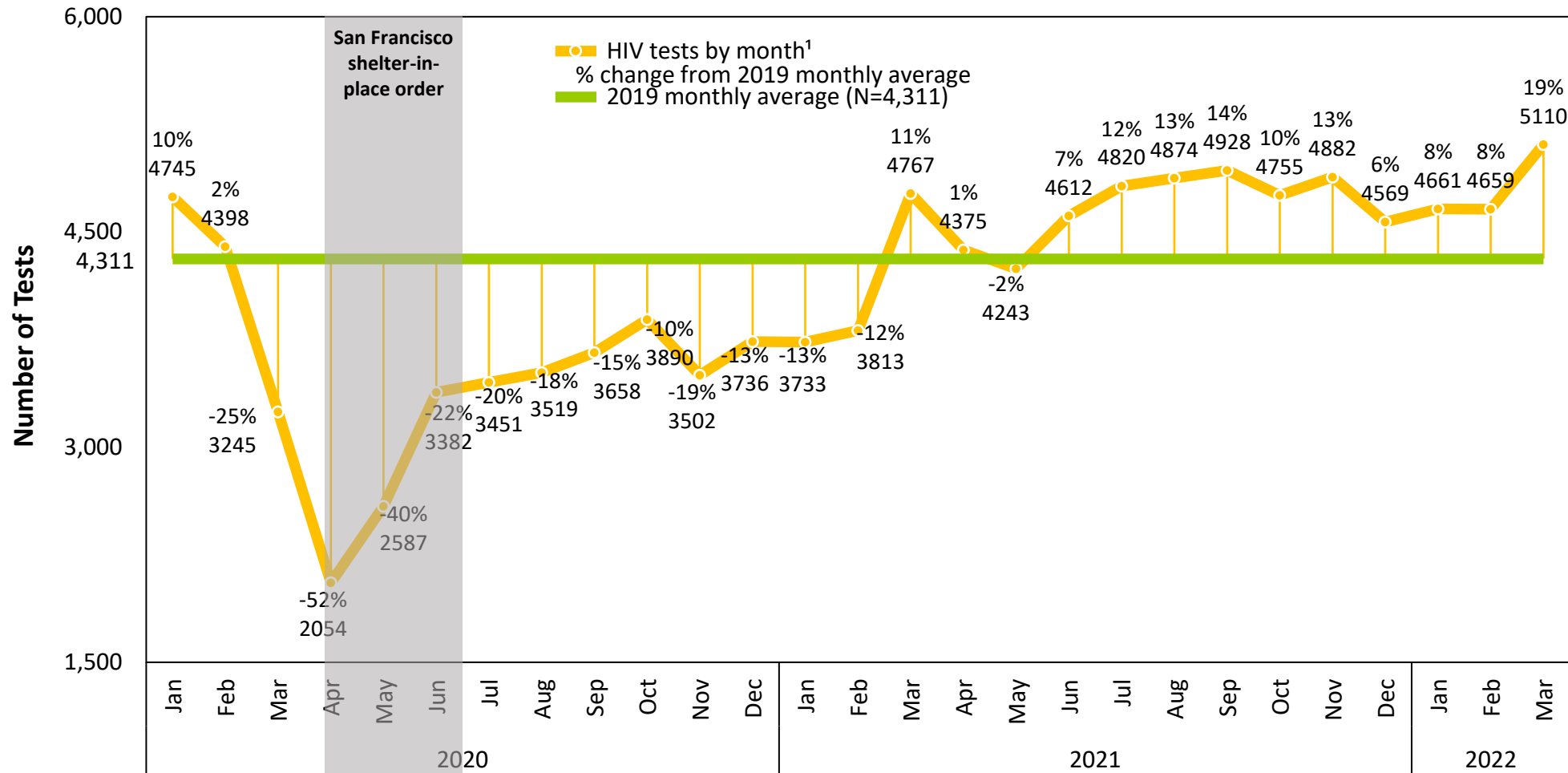
POPULATION HEALTH DIVISION
SAN FRANCISCO DEPARTMENT OF PUBLIC HEALTH

HIV Epidemiology, Screening, Prevention and Care Services

- 2021 HIV Epidemiology Update
- Initiatives to address disparities
 - HIV Getting to Zero
 - Community Health Equity and Promotion – Ending the Epidemic, OPT-IN and Health Access Points
 - Disease Prevention and Control - SF City Clinic and HIV/STI Program activities



HIV Screening Tests at Select Medical Facilities January 2020-March 2022 Compared to 2019



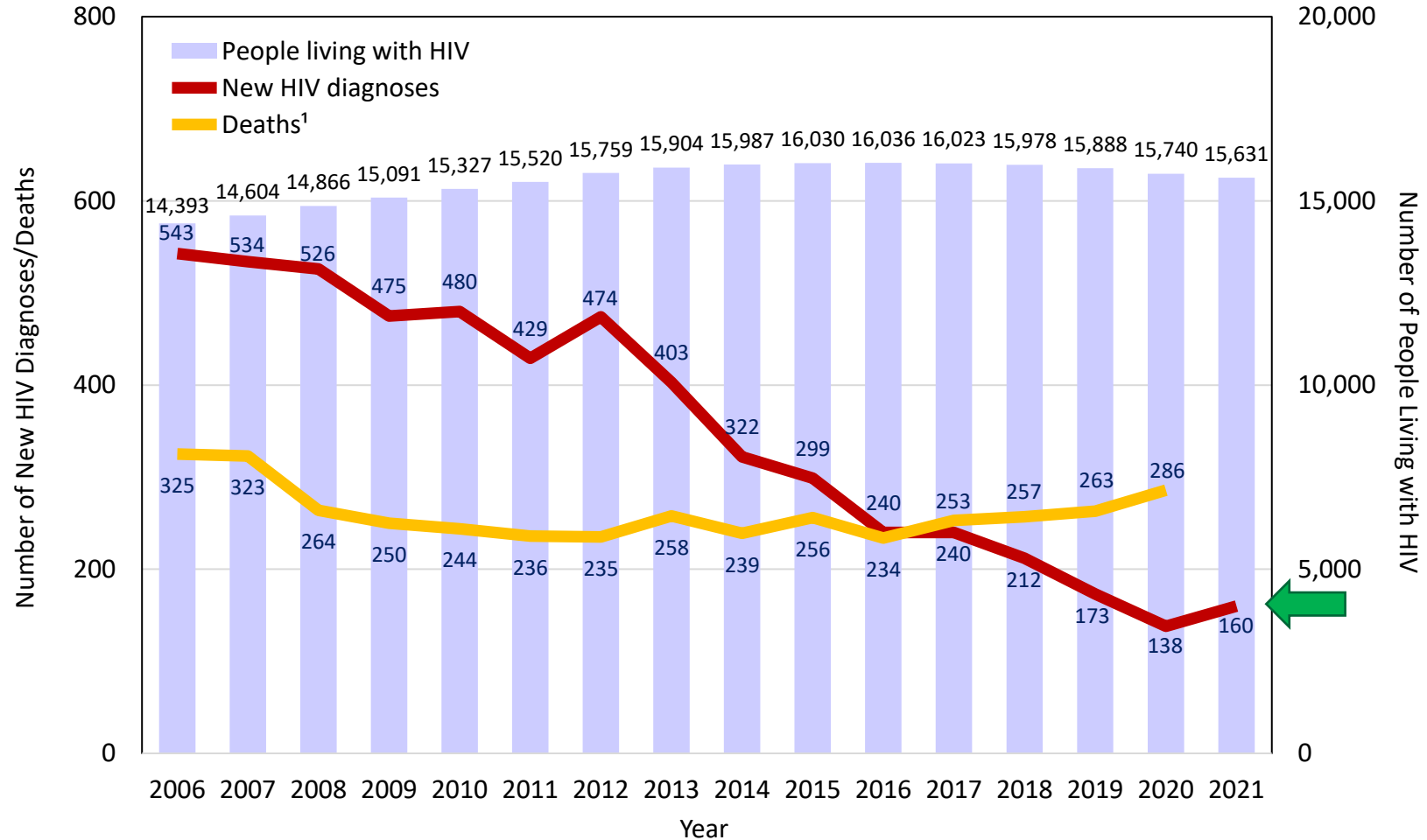
- **Monthly average HIV screening tests in 2021 have recovered from decrease in 2020 and exceeded 2019 monthly averages**
- **Community testing has not yet rebounded to 2019 levels**

¹ Includes reporting of positive and negative HIV-1/2 Antigen/Antibody (4th generation) test results from ZSFG, UCSF and CPMC laboratories as of April 2022.



HIV Diagnoses, Deaths, and Prevalence, 2006-2022

Slide 4



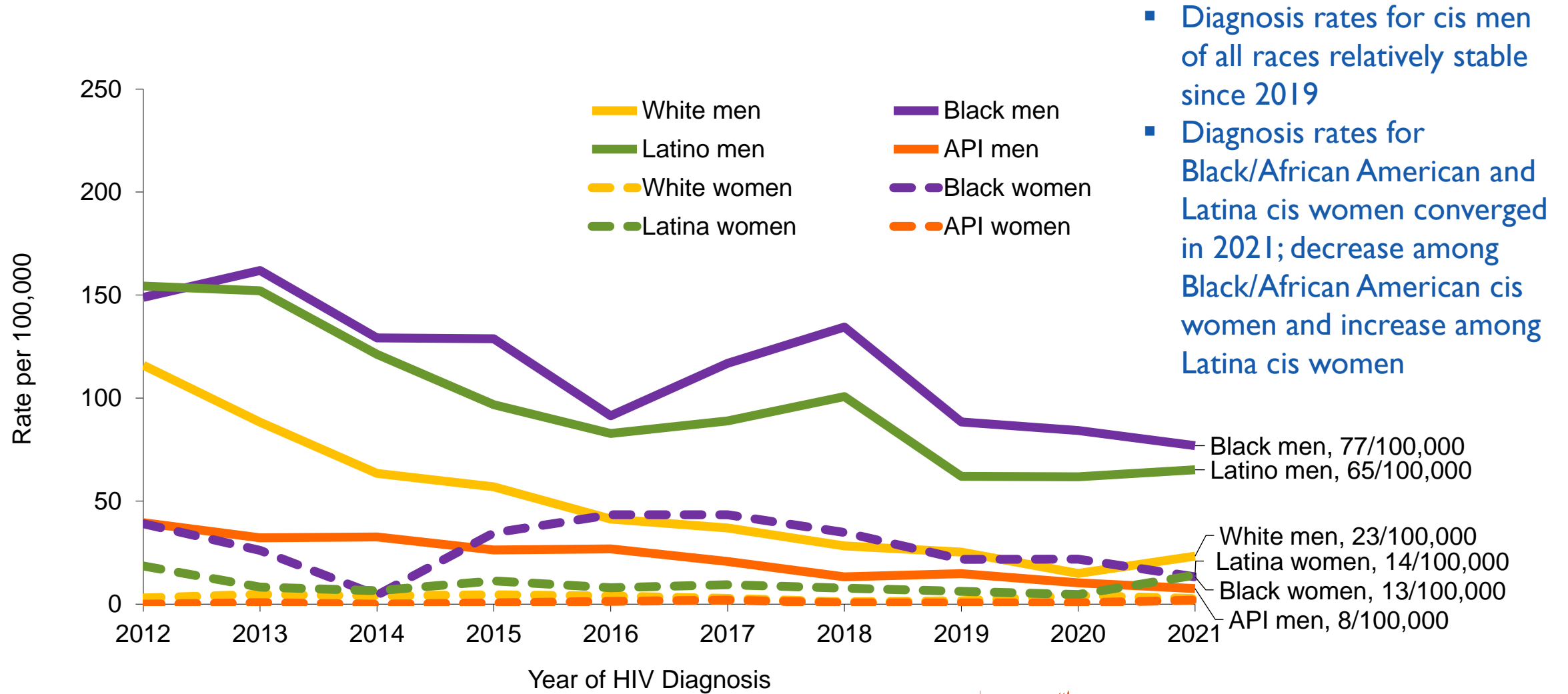
- New diagnoses continue to decline; 2019 - 2021: ⬇ 8%
- Dip in 2020 may be due to decline in testing during 1st year of COVID
- Deaths gradually increasing since 2016
 - HIV-related causes continued to decline
 - Deaths from overdoses increased from 11% in 2009-2012 to 15% in 2017-2020
- Of 15,631 PLWH who were SF residents at diagnosis:
 - 72% ≥ 50 years; 39% ≥ 60 years



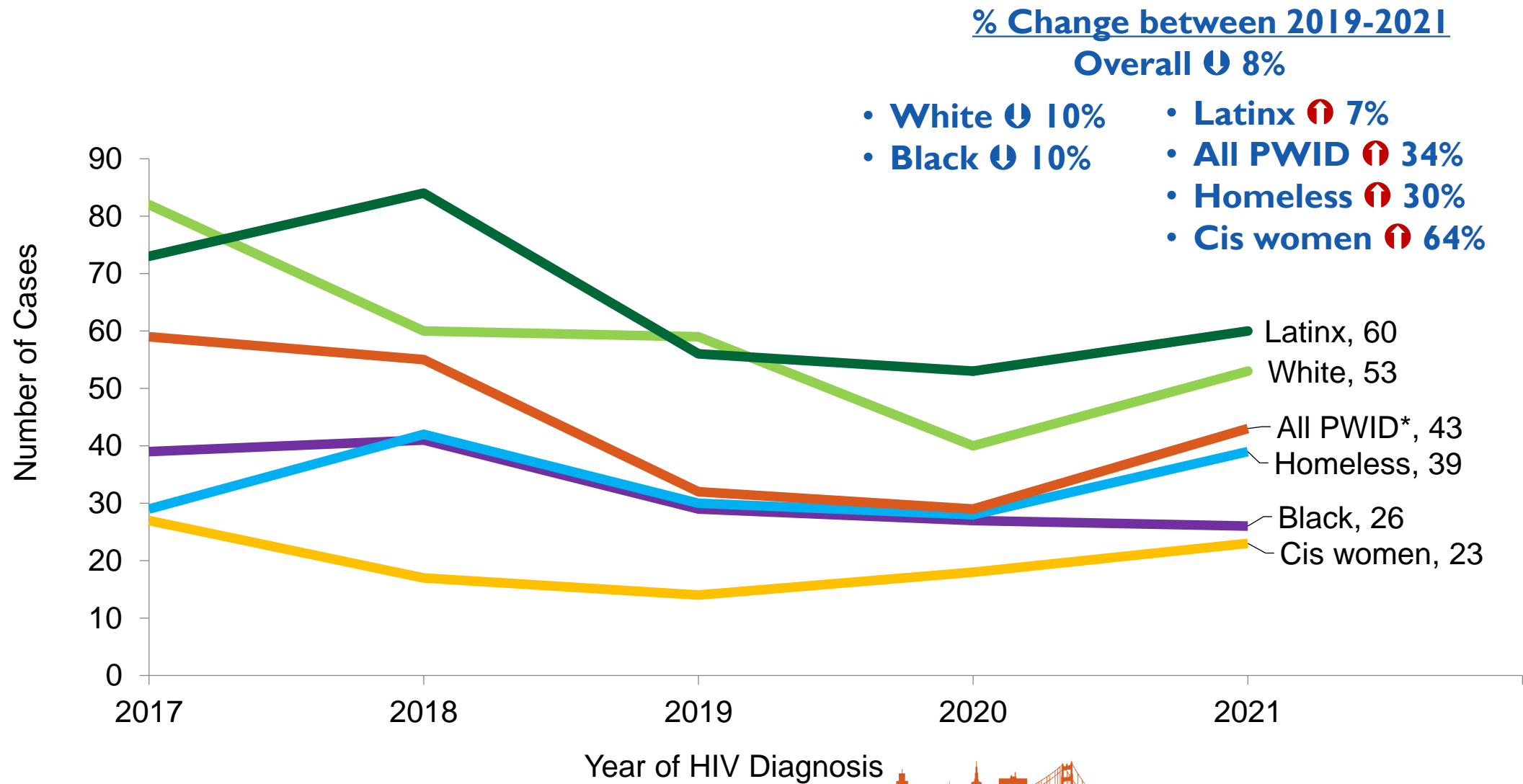
POPULATION HEALTH DIVISION
SAN FRANCISCO DEPARTMENT OF PUBLIC HEALTH

Annual Rates of HIV Diagnosis by Gender and Race/Ethnicity

Slide 5



Trends in New Diagnoses in Select Populations

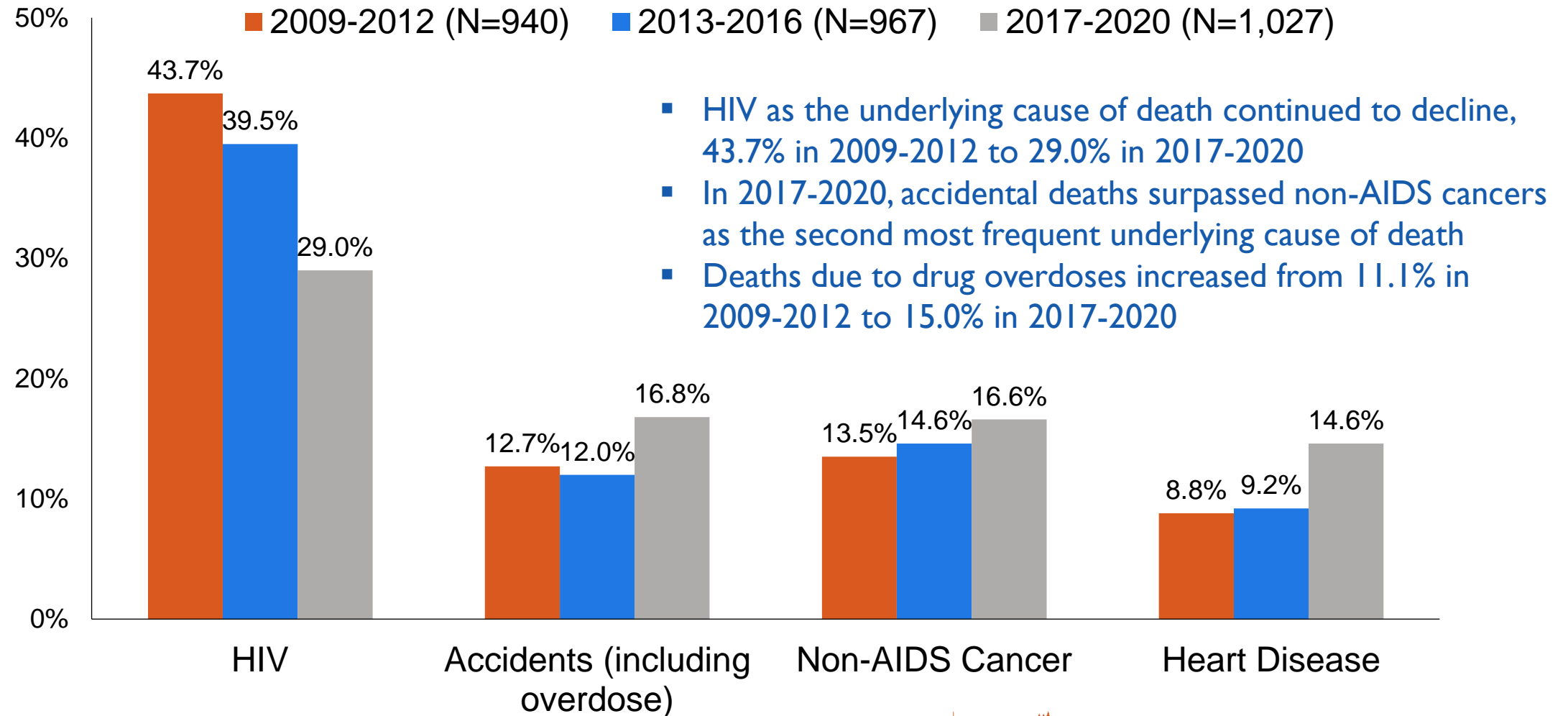


* Includes PWID, MSM-PWID, TWSM-PWID.



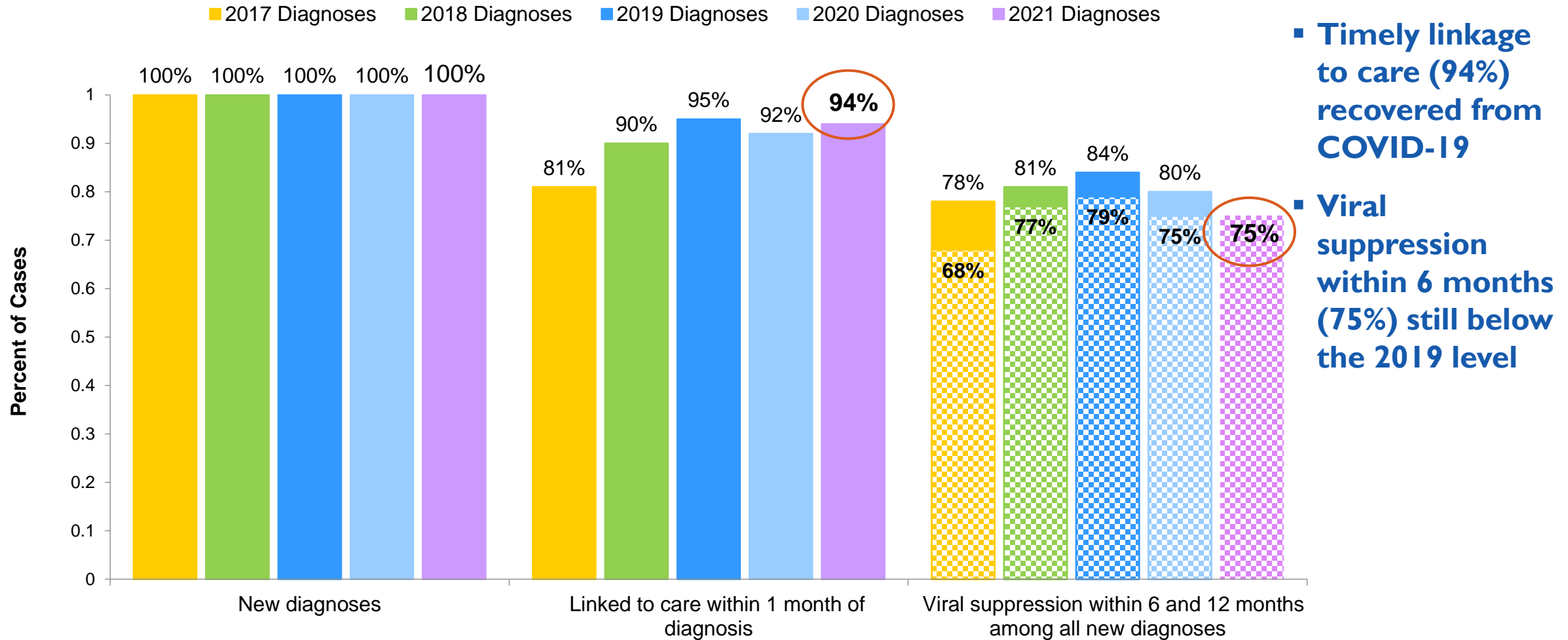
Trends in Underlying Causes of Death among Persons with HIV

Slide 7



Timely Linkage to Care and Viral Suppression after Diagnosis

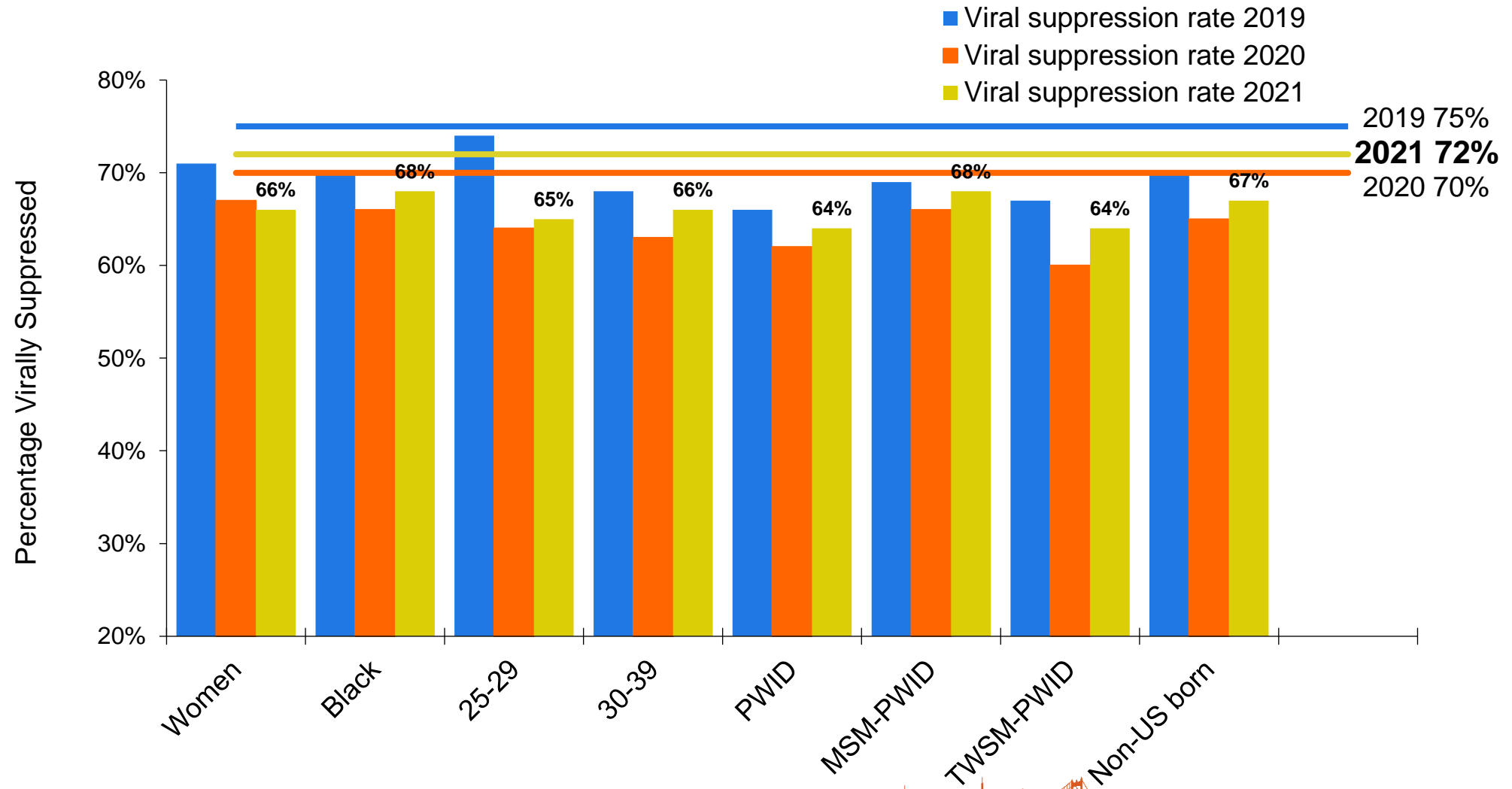
Slide 8



POPULATION HEALTH DIVISION
SAN FRANCISCO DEPARTMENT OF PUBLIC HEALTH

Disparities in Viral Suppression among PLWH

Slide 9



Disparities in Care Outcomes by Housing Status

Care indicators	People Experiencing Homelessness (PEH)				Non Homeless
		2019	2020	2021	2021
Linked to care within 1 month of diagnosis		95%	83%	93%	95%
Virally suppressed within 6 months of diagnosis*		NA	52%	57%	80%
Receipt of care among persons living with HIV (PLWH)		56%	33%	41%	80%
Viral suppression among all PLWH		39%	20%	27%	73%
Viral suppression among PLWH who received care		71%	61%	66%	91%

* Viral suppression measure for 2021 includes only those diagnosed during January 2021 and September 2021.



POPULATION HEALTH DIVISION
SAN FRANCISCO DEPARTMENT OF PUBLIC HEALTH

Getting to Zero Update

Health Commission

October 4, 2022



GTZ-SF Priority Areas & Activities, September 2022

Centering Racial Equity To Attain Improved Health Outcomes for All San Franciscans

PrEP & STIs

- **Working with the City to develop City wide DoxyPEP plan**
- Working with PEH Committee to disseminate PrEP (incl LAI-PREP) to PEH, PWID]
- Launched EB/SF PrEP social marketing campaign focused on pop's underutilizing PrEP. Live campaign.
- Regional collaboration to develop LAI-PrEP Protocol (SF, Santa Clara, Alameda)
- Working with the Adolescent Chairs to increase PrEP navigation services within CHPY clinics, TAY navigation center and other sites

People Experiencing Homelessness/Unstably Housed

- **Crafting a strategy to deliver LAI ART through community-based programs, syringe access sites and the Health Access Point to launch in January 2023**
- Completed landscape & gap analysis of HIV services
- Working on:
 - Streamlining of Referrals for HIV Navigation/Case Management Support
 - Panel Management for HIV Care at Street Medicine
 - HIV/STI Testing at SIP/I&Q Sites

RAPID/Restart & Retention

- **Developing specialized RAPID protocol for restarts**
- Posted Long-Acting Injectable Antiretroviral Protocol developed by community partner W86
- Updated RAPID protocol for initial start
- Surveyed clinic sites that offer RR (and several that do not): defined program elements, successes, challenges, needs

HIV & Aging

- **Committee leading multiple stakeholder effort to address issues of inaccessibility, patient education, and transparency**
- New Committee to focus to mental health and isolation
- Review of SFDPH and community generated data
- 9/18 HIV & Aging Stakeholder Meeting hosted by SFAF & PAETC to define collaborative and strategize for action

Drug Overdose Preventions

- **Ongoing advocacy with stakeholders for passage of SB57, next steps post veto**
- Published policy document and Call to Action - [Getting to Zero Preventable Deaths in San Francisco: A Call to Action to Address Drug Overdose Deaths](#)
- December 2021- Convened Consortium to raise alarm and plan action

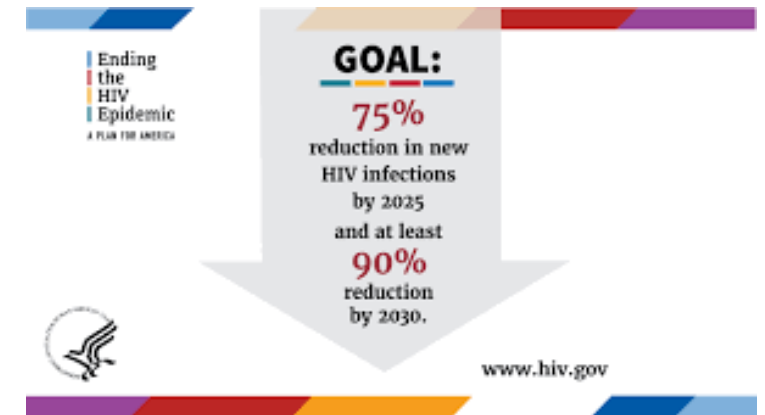
Communications & Community Engagement, Oct. 2021-2022

Maintain continuous communication with the SF communities in real time as new information, opportunities and resources become available.

- Track and disseminate data on changes in HIV/STI prevention and care indicators due to COVID and MPX; address reductions with CBOs/providers
- COVID and MPX Town Halls to update community on evolving outbreaks, effects on PLWH
- Getting to Zero website and listserv as clearinghouse for information and best practices
 - HIV (e.g., PrEP, RAPID)
 - Updates and resources
 - ***MPX, Meningitis, and COVID-19 Guidance***
 - ***Long-acting antiretrovirals***
 - **Resource for questions about MPX & COVID19 eligibility and vaccination**
 - **Countered mis-information**

SF Ending the HIV/HCV/STI Epidemics (ETE)

- Center, advance, and prioritize health equity and racial justice
- Integrate HIV, Hepatitis C (HCV), STIs, prevention and care, COVID, and overdose prevention
- Employ models of status neutral care
- Ensure that services are as low barrier as possible
- Value lived experience and fund peer-delivered services
- Eliminate HIV/HCV/STI-related stigma and discrimination
- Use a harm reduction framework that values human dignity



“Innovate and community-driven solutions are at the heart of EHE/ETE”

<https://www.sfdph.org/dph/files/CHEP/SF-ETE-Plan.pdf>

ETE/EHE Activities

Status neutral services (jointly funded by HIV Health Services and CHEP)

- ❖ Focus on high-quality prevention and/or treatment regardless of HIV status.

Mobile Contingency Management (jointly funded by HHS and CHEP)

- ❖ Street-based outreach and brief interventions for people experiencing homelessness
- ❖ Focus on BIPOC communities who smoke fentanyl

Regional planning with Alameda County Public Health Department, East Bay Getting to Zero, and SF Getting to Zero

- ❖ Cross regional PrEP campaign collaboration
- ❖ Increasing PrEP access regionally

Expanded access to prevention and care services:

- ❖ Lab-Based Home testing programs
- ❖ Texting reminders, enrolled PrEP patients

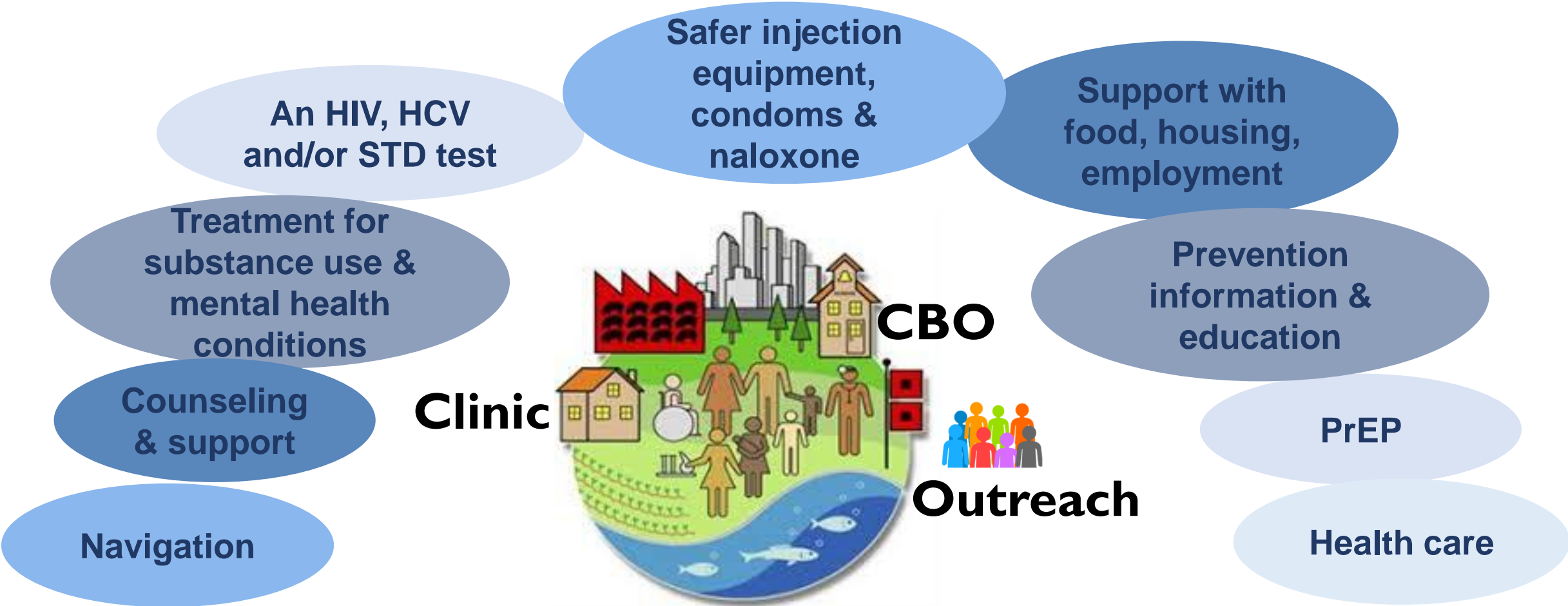
Focused community engagement through mini-grants

- ❖ Continuous and meaningful dialogue with the ETE communities
- ❖ Advise SFDPH on service design, delivery methods, and funding allocations

Enhanced workforce development opportunities

- ❖ HIV/HCV/STI Community Health Leadership Initiative (CHLI)
- ❖ SFDPH workforce equity focus: hiring, recruiting, and supporting staff

Goal: Reduce disparities by addressing vulnerabilities through focused community investment



Health Access Point Populations

- + Latinx
- + Trans Women
- + People who use drugs, including injecting drugs (PWUD/ID)
- + Gay/Men who have sex with men (MSM)
- + Asian/Pacific Islander (API)
- + Young Adults
- + Black/African American (B/AA)



Health Access Points (HAPs) allow people who identify with multiple populations to receive services where they feel most comfortable.

OPT-IN (Outreach, Prevention, Treatment and Integration) Reaching People Experiencing Homelessness

- **Collaboration & Coordination**
 - CHEP's Community Health Response Team (CHRT) partnered with SFAF, Glide, and Street Medicine) to provide outreach in the Tenderloin, South of Market, and Bayview Districts.
- **HIV/HCV/STI Testing**
 - Various testing modalities at SIP Hotels, Navigation Centers, TLC, & encampments
- **Outreach & Engagement**
 - Prioritized encampments throughout San Francisco
 - Recruitment for SFAF HCV Wellness Program
- **Linkage to Care: SFAF HCV Wellness Program**

Clinical HIV Prevention

- LINCS and DIS Workforce Development
- Training and Capacity Building
- Sexual Health Services
- Optimization of PrEP citywide



Assure patients diagnosed with HIV and STIs are offered partner services and linked to prevention, treatment and care



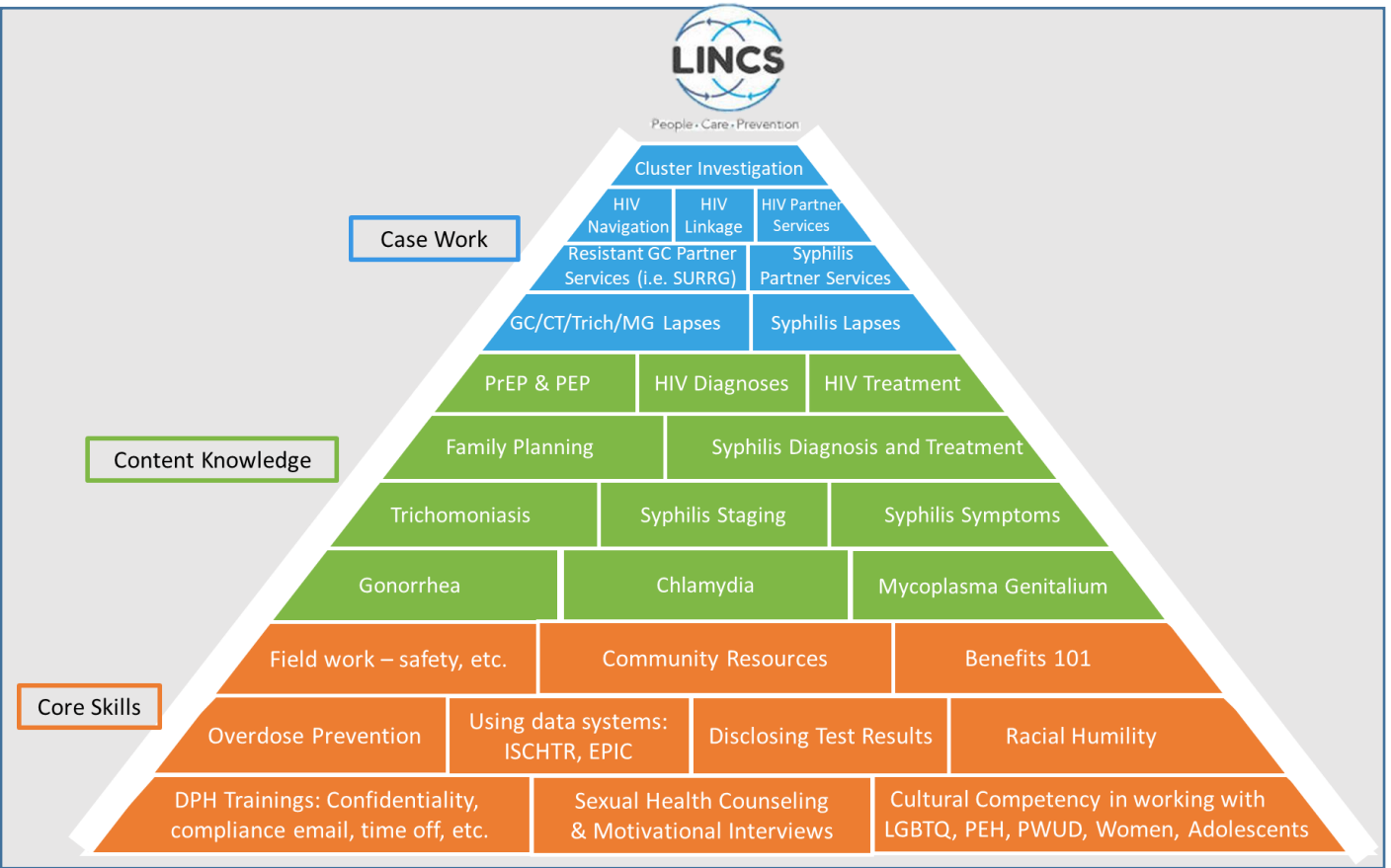
People • Care • Prevention

Table 3.5 Care indicators among people who accepted and completed LINCS services in 2020 by demographic and risk characteristics, San Francisco

		Number of received LINCS	% Linked to care within 3 months of LINCS initiation ¹	% Retained in care 3-9 months after linkage ¹	% Virally suppressed at most recent test in 12 months after LINCS initiation ¹
	Total	84	86%	67%	67%
Gender²	Cis Men	63	89%	67%	70%
	Cis Women	9	67%	56%	67%
	Trans Women	12	83%	75%	50%
Race/Ethnicity	White	26	88%	58%	65%
	Black/African American	23	83%	78%	61%
	Latinx	26	88%	73%	69%
	Asian/Pacific Islander	4	100%	50%	75%
	Other/Unknown	5	60%	40%	80%
Age in Years (as of 12/31/2020)	13-24	2	100%	100%	100%
	25-29	5	100%	80%	40%
	30-39	34	88%	76%	59%
	40-49	22	82%	55%	73%
	50+	21	81%	57%	76%
Transmission Category	MSM	35	91%	77%	74%
	PWID	9	78%	44%	78%
	MSM-PWID	20	85%	50%	55%
	Heterosexual	4	75%	75%	75%
	Other/Unidentified ³	16	81%	75%	56%
Housing Status⁴	Homeless	53	83%	66%	62%
	Housed	31	90%	68%	74%

RADR: Building Reserve for Accelerating Disease Response – \$2.2 million/year, 5-year grant to strengthen infrastructure for DIS work

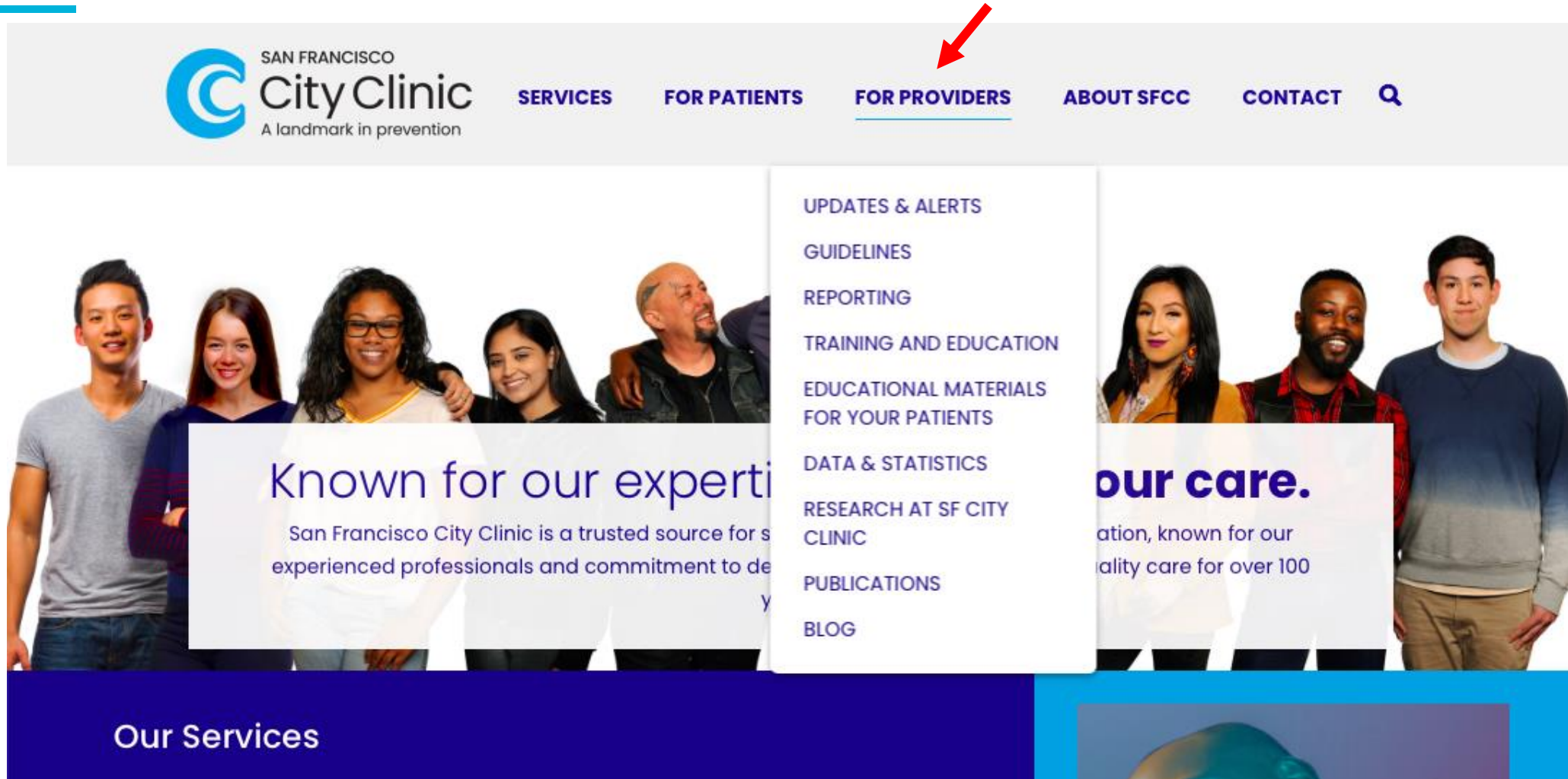
Disease Intervention Specialist (DIS) Learning Pyramid



DIS Supervisors Community of Practice (COP)

- Onboarding
- Training
- Change Management
- LMS / IT System Integration
- Health Equity
- Surge Planning / Outbreak Response

Educate providers and community members about sexual health



The image is a screenshot of the San Francisco City Clinic website. At the top, the navigation bar includes the logo (a blue 'C' with 'SAN FRANCISCO City Clinic' and 'A landmark in prevention' below it), and links for 'SERVICES', 'FOR PATIENTS', 'FOR PROVIDERS' (highlighted with a red arrow), 'ABOUT SFCC', 'CONTACT', and a search icon. Below the navigation bar, a large banner features a diverse group of people. On the left, a text box reads 'Known for our expertise' followed by 'San Francisco City Clinic is a trusted source for s' and 'experienced professionals and commitment to de'. In the center, a dropdown menu is open, listing: 'UPDATES & ALERTS', 'GUIDELINES', 'REPORTING', 'TRAINING AND EDUCATION', 'EDUCATIONAL MATERIALS FOR YOUR PATIENTS', 'DATA & STATISTICS', 'RESEARCH AT SF CITY CLINIC', 'PUBLICATIONS', and 'BLOG'. On the right, another text box says 'our care.' followed by 'ation, known for our' and 'quality care for over 100'. At the bottom, a dark blue bar contains the text 'Our Services'.

SAN FRANCISCO
City Clinic
A landmark in prevention

SERVICES FOR PATIENTS **FOR PROVIDERS** ABOUT SFCC CONTACT 🔍

UPDATES & ALERTS
GUIDELINES
REPORTING
TRAINING AND EDUCATION
EDUCATIONAL MATERIALS FOR YOUR PATIENTS
DATA & STATISTICS
RESEARCH AT SF CITY CLINIC
PUBLICATIONS
BLOG

Known for our expertise
San Francisco City Clinic is a trusted source for s
experienced professionals and commitment to de

our care.
ation, known for our
quality care for over 100

Our Services

Provider Consultation, Training and Capacity Building

Ask about PrEP

How providers can prescribe PrEP to prevent HIV and reduce health disparities

What is PrEP?

- PrEP is a once-daily pill for HIV negative individuals that can help prevent HIV transmission.
- PrEP is FDA approved as a combination, fixed-dose antiretroviral medication called Truvada®.
- No significant health effects have been found for up to 5 years.

PrEP is safe and can reduce HIV risk.

Who may benefit from PrEP?

- Men who have sex with men (MSM)
- People who inject drugs
- Trans women

PrEP is an opportunity to

AFRICAN AMERICAN AND LATINO MALES

Rate of new HIV infections

AA
Latino
White

Rapid ART:
Immediate ART initiation upon HIV diagnosis

Immediate ART initiation:^{1,2}

- Gets more people on treatment, and sooner, than waiting to start ART.
- Decreases the median time to virologic suppression by removing obstacles to care.

San Francisco citywide RAPID initiative (2013-2017):¹

- Faster time from HIV diagnosis to first HIV care visit, to ART initiation, and to viral suppression.
- Faster ART initiation and viral suppression regardless of race/ethnicity, sex/gender, and housing status.

TIME TO HIV CARE, ART START, AND HIV SUPPRESSION

Median Days	2013	2014	2015	2016	2017
Diagnosis to 1 st care visit	8	7	7	5	4
1 st care visit to ART start	27	17	7	1	0
ART to VL <200 c/mL	70	53	50	38	46
Diagnosis to VL <200 c/mL	134	92	77	62	92

San Francisco General Hospital Ward 86 RAPID Program (2013-2017):²

- Highly acceptable to newly-diagnosed persons (98% accepted RAPID)
- Very high rate of viral suppression: 95.8% by 1 year

In San Francisco, RAPID has been implemented in community-based clinics, public health clinics, HMO clinics, hospitals, and private practices.

Promoting Sexual Health: A Guide for Clinicians

Healthcare providers can play an important role in reducing syphilis, gonorrhea, and chlamydia, and preventing congenital syphilis

STD rates are increasing in men, women, and some newborns in San Francisco and nationwide.

FIGURE 1: STD RATES—SAN FRANCISCO, 2009–2016¹

FIGURE 2: SAN FRANCISCO EARLY SYPHILIS RATE²

STDs can have severe consequences³

- Untreated syphilis is associated with visual impairment
- Untreated chlamydia (CT) and gonorrhea (GC) disease, chronic pelvic pain, ectopic pregnancy
- Pregnant women who are infected with syphilis stillbirth, and severe illness in surviving infants

Stop the hidden epidemic:
Five steps to prevent and treat HIV, HCV, and STDs among people experiencing homelessness

In 2019, San Francisco had an estimated 18,000 individuals experiencing homelessness.¹

People experiencing homelessness are disproportionately affected by HIV, HCV, and STDs.

In 2018, they represented:

- 20% of all new HIV diagnoses: While HIV diagnoses in SF are declining overall, among people experiencing homelessness, they increased 60% from 2016 (n=25) to 2018 (n=40).²
- 65% of new HCV diagnoses at community testing sites³
- 32% of all female syphilis cases⁴

PrEP reduces the risk of HIV through sexual transmission by >95% and by at least 74% among people who inject drugs (PWID).⁵ Yet among PWID in SF, only 56% had heard of PrEP and only 3% had taken PrEP in the last year.⁶

FIGURE 1: PERCENTAGE OF PEOPLE LIVING WITH HIV WHO ARE VIRALLY SUPPRESSED

Only 1/3 of people living with HIV and experiencing homelessness were virally suppressed in 2017.⁷

Work closely with clinics and providers serving populations disproportionately impacted by HIV and STIs:

- Street medicine and shelter health
 - Point of care HIV/STI testing in navigation centers, SIPs
 - Support for encampment health fairs and HAPs
- TA and systems change to support PrEP and HIV/STI screening throughout SFHN
 - Castro Mission
 - Tom Waddell
 - Jail health services
 - CHPY

Ensure Access to Sexual Health

- Integrated Services and Syndemic Approach:
 - STI, HIV, HCV screening, diagnosis and treatment
 - Women's health
 - Behavioral health
 - Pre- and Post-exposure prophylaxis (PrEP and PEP)
 - On site laboratory
 - Immunizations (including COVID-19 and MPX)
 - Overdose prevention (Narcan and fentanyl test strips)
 - MPX diagnosis, testing, treatment and vaccination
- Launched EPIC on 3/8/22
- Conducted DoxyPEP randomized controlled trial
- Project ExEI – Integrate HIV prevention into sexual health clinics
 - Built PrEP registry in Epic
 - Epic optimization, e-consult
 - HIV VL monitoring
 - Express visits
 - Community engagement
 - Billing improvement project



Expand access to PrEP

- PrEP is a critical tool in our HIV Getting to Zero efforts
- > 4000 PrEP starts since 2017 at SF City Clinic
- Evolving field, with exciting new tools on the horizon
 - Access is improving
 - F/TDF (Truvada®) is now generic and on the Healthy SF formulary
 - Insurance plans in CA required to cover PrEP medication and services
 - Two options for dosing (daily and “2-1-1”)
 - F/TAF (Descovy®) for patients with renal insufficiency
 - Long-acting injectable Cabotegravir now FDA approved for PrEP
- In SF, gaps in PrEP use for cis women, trans women, people experiencing homelessness and people who inject drugs



Summary

- Improved rates of HIV testing in 2021 but not back to 2019 levels
- Overall HIV diagnoses declined 8% from 2019 (173 to 160)
- High level of rapid linkage to care and viral suppression (and evidence of improvements over 2020 levels) but disparities remain, especially among PEH
- Concerning trends:
 - Latinx people accounted for 38% of new diagnoses in 2021
 - PWID accounted for 27% of new diagnoses in 2021
 - New diagnoses among PEH continued to increase to a high of 24% in 2021
 - Cis women experienced a 64% increase in new HIV diagnoses (14 to 23)
- Syndemic approach – equity-focused, stigma-free, low barrier access to comprehensive services





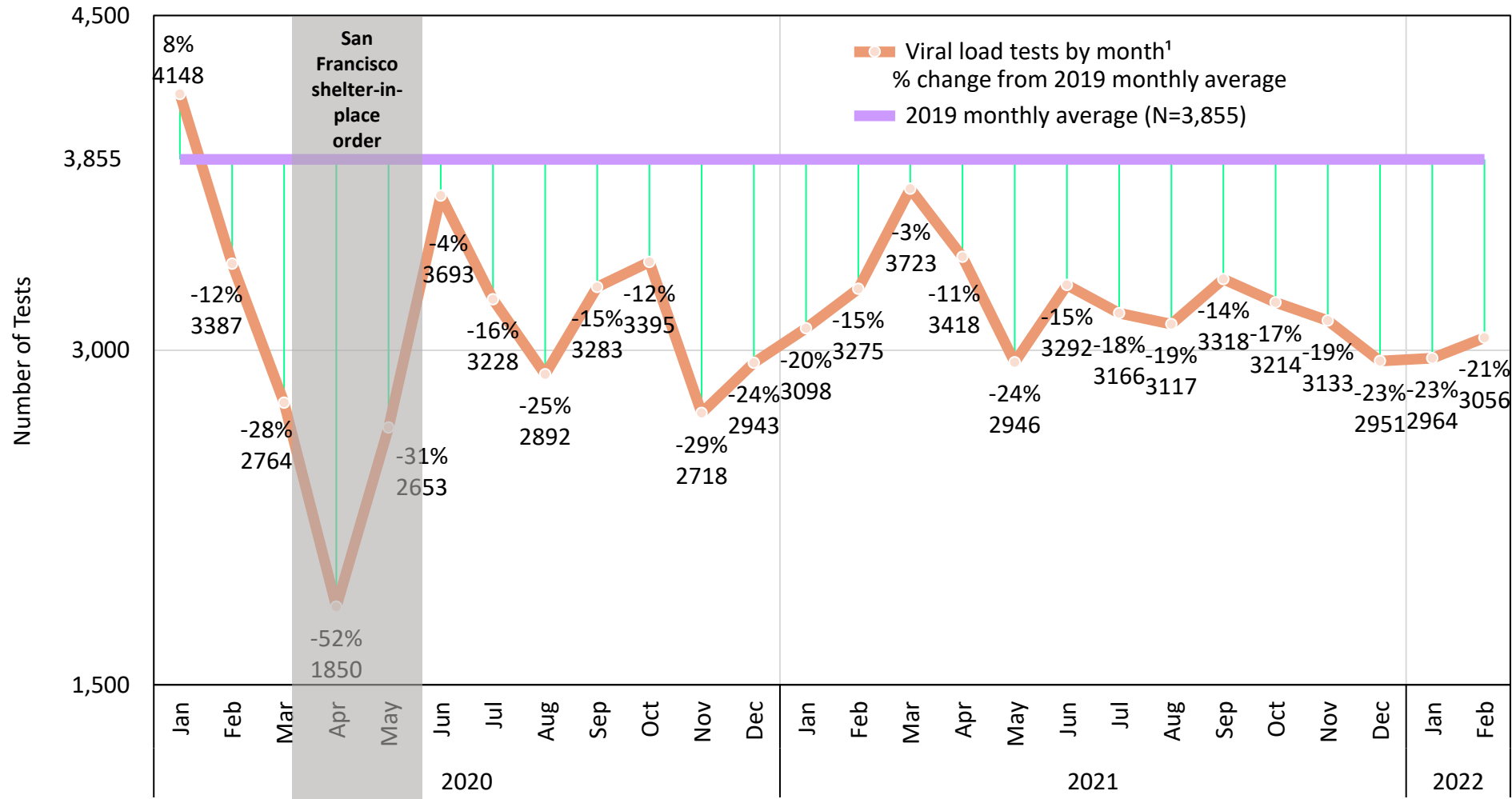
Thank You



HIV Viral Load Tests among Persons Living with HIV

January 2020 - February 2022 Compared to 2019

Slide 28



- Overall, the viral load test monthly volume was 16% lower than the 2019 monthly average but 5% higher than the 2020 level

¹ Includes viral load data reported as of March 28, 2022 for San Francisco residents and OOH residents who received care in San Francisco.



Goal & Focus of Health Access Points (HAPs)

**An Equity Focused,
Community Centered, Whole
Person Care Approach to
Integrated HIV, HCV, and STD
Prevention Programs for
Affected Communities**

To ensure that all San Franciscans have equitable access to high quality prevention, care, and treatment services to attain optimal health in HIV, STI, and HCV wellness.

To be intentional about addressing equity by focusing on populations where the greatest disparities result in disproportionate levels of HIV, HCV, and STI.

- *Inclusion of disparities as criteria for funding allocation*

Alignment with the HIV, HCV, STD Roadmap Stakeholder Engagement guiding principles, as well as national and SFPDHP priorities

Health Access Point (HAP) Services

Integrated HIV,
HCV, and STD
Testing

Linkage and
Navigation

Health
Education and
Counseling

Overdose
Prevention

Syringe
Access and
Disposal

Substance Use and Harm
Reduction Services for Opioids,
Stimulants, Alcohol, Tobacco, and
Cannabis

Community
Engagement
and
Mobilization

Condom
Distribution

Basic Needs

Primary Care

Mental Health
Services

Prevention and Treatment
Medication: PrEP and ART for HIV;
HCV Treatment; STD Treatment,
Including Medical Storage

Substance
Use Treatment

San Francisco AIDS Foundation (SFAF)

Hepatitis C Virus (HCV) Wellness Program

- HCV wellness clinic hours (T-Thur. 11AM-1PM) at the Harm Reduction Center and **adjusted drop-in services** at the “lounge” due to COVID restrictions
- Included **peer component** by connecting people with HCV
- Provided HIV and HCV testing, full sexual health screening, pregnancy tests and hormone checks T-Fri.
- Provided safe space to receive HCV treatment, **access counselors and medical providers**
- **Outreach twice weekly** to recruit for HCV Wellness Program, provide HCV education and supply naloxone

between January 2022 - June 2022:

- enrolled 27 people in the HCV Wellness program
- 17 people started treatment
- 9 people were cured of HCV, reached SVR 12

Community Testing Challenges

- Overdose Crisis-increases in overdoses and fentanyl use
- HIV Testing is not a priority—many competing issues
- Constant movement and displacement of encampments
- Staffing challenges
 - Hard to fill CBO positions
 - Most CBOs have vacant outreach, testing, & navigation positions
- Stipend use is inconsistent
 - Not all programs & providers have access to stipends
- OPT-IN funding ends 12/2022

\$2.2 million/year, 5-year supplement to core CDC STI prevention grant (PCHD) to strengthen infrastructure for DIS work

Building Reserve for Accelerating Disease Response (RADR)

Workforce Development

- Training and performance improvement
- Pathways for advancement
- Wellness
- DIS fellowship
- Diversity, Equity and Inclusion

Data Systems

- Optimization and integration of surveillance and disease intervention data systems
- Leverage technology to reach patients

Preparedness

- Culture of resilience and innovation
- Tabletop exercises
- Surge workforce
- Rotation opportunities for existing DIS to build skills

LINCS: Linkage, Integration, Navigation, Comprehensive Services

An infographic titled "LINCS is your link to sexual health" with a blue header and orange footer. The main body is divided into three overlapping circles: a light blue circle on the left, a light orange circle in the middle, and a light blue circle on the right. Each circle contains a question and a list of bullet points. The footer is a solid orange bar with white text.

LINCS is your link to sexual health

Have you been tested for syphilis?

- If you have syphilis, getting treated today will help keep you healthy, and will prevent the spread to your partners
- We recommend testing for STDs every 3 months

Are you or your partners interested in PrEP?

- PrEP is a daily pill that prevents HIV by more than 90%
- We have a team who can help you get PrEP regardless of insurance status

Living with HIV and haven't seen a doctor in 6 months?

Our team can help you:

- Get into HIV care
- Stay healthy on medications to keep your viral load low so you don't transmit HIV

WHAT IS PARTNER SERVICES?

It can be difficult to tell your partners you have HIV or an STD. Our specialists can contact partners and get them free testing and treatment, while protecting your privacy.

To get LINCed, call us at 415-487-5536 | www.sfcityclinic.org

LINCS is the city's team ensuring comprehensive sexual health.

- Provide comprehensive sexual health services and coaching
- Assist partners in getting testing, treatment and prevention
- Ensure treatment and linkage for HIV and STIs
- Ensure RAPID HIV start within 5 days of diagnosis
- Provide navigation for out of care HIV+ patients
- Address barriers to care