

Bridge HIV: Research Overview

Innovations in HIV Prevention

Health Commission
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Who we are?

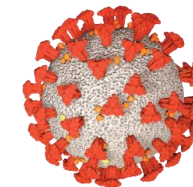
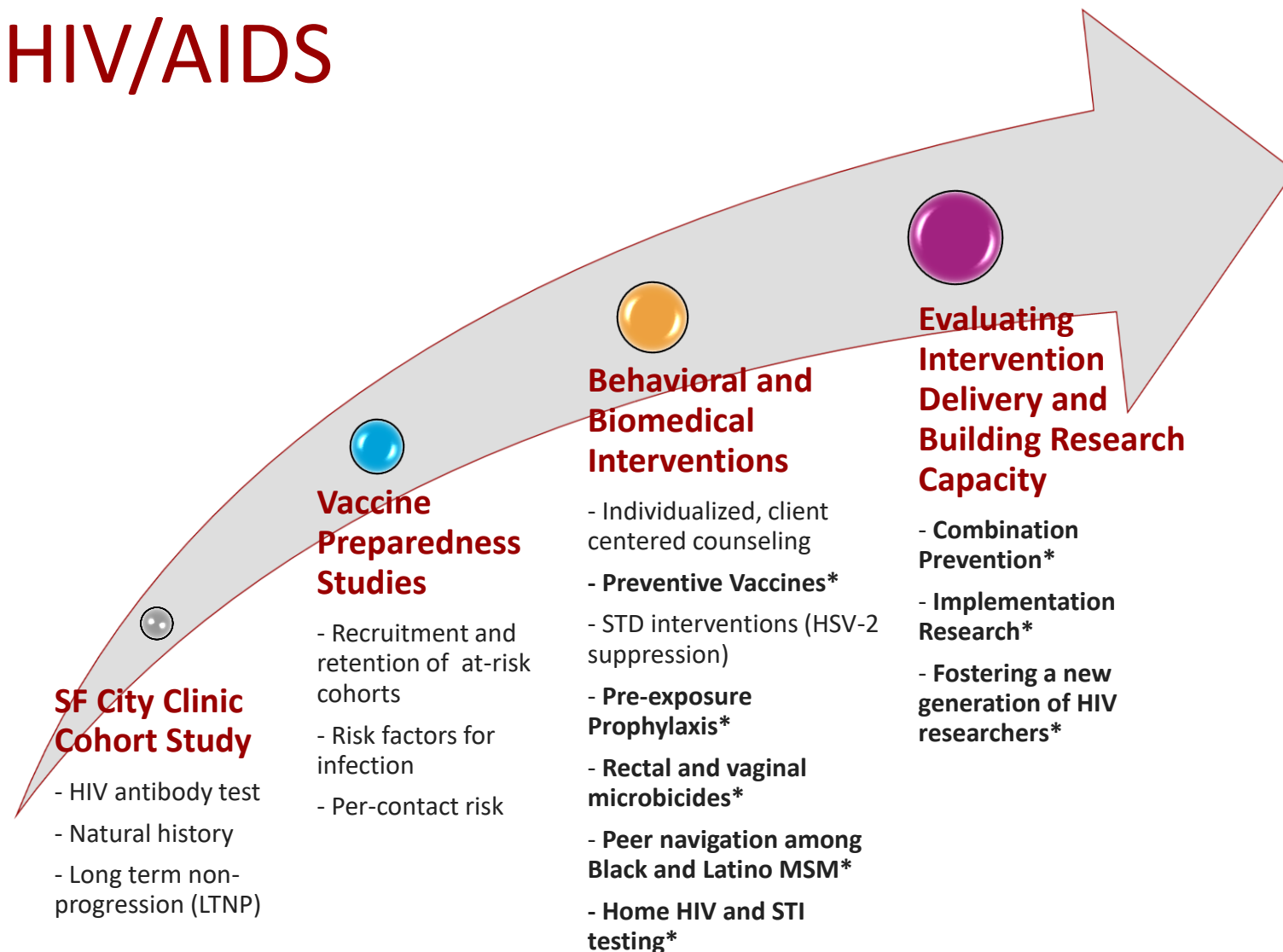
NIH-funded Clinical Trials Unit which operates within the San Francisco Department of Public Health and is affiliated with UCSF

Bridge HIV Mission

To collaborate with communities in conducting innovative research that will guide HIV prevention locally and globally.



Bridge HIV: A Tradition of Innovative Research to Prevent HIV/AIDS



COVID-19
Prevention Network

*Active studies



HIV VACCINE
TRIALS NETWORK

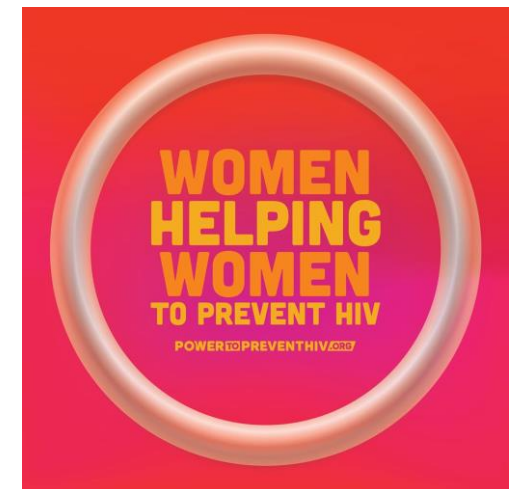
HIV Vaccines
bNAbs



Novel PrEP agents
Long acting PrEP formulations
Integrated Strategies

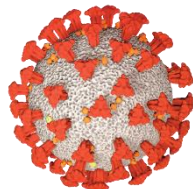


Vaginal Rings
MPTs
Rectal microbicides

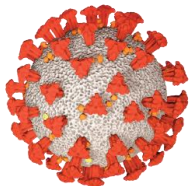
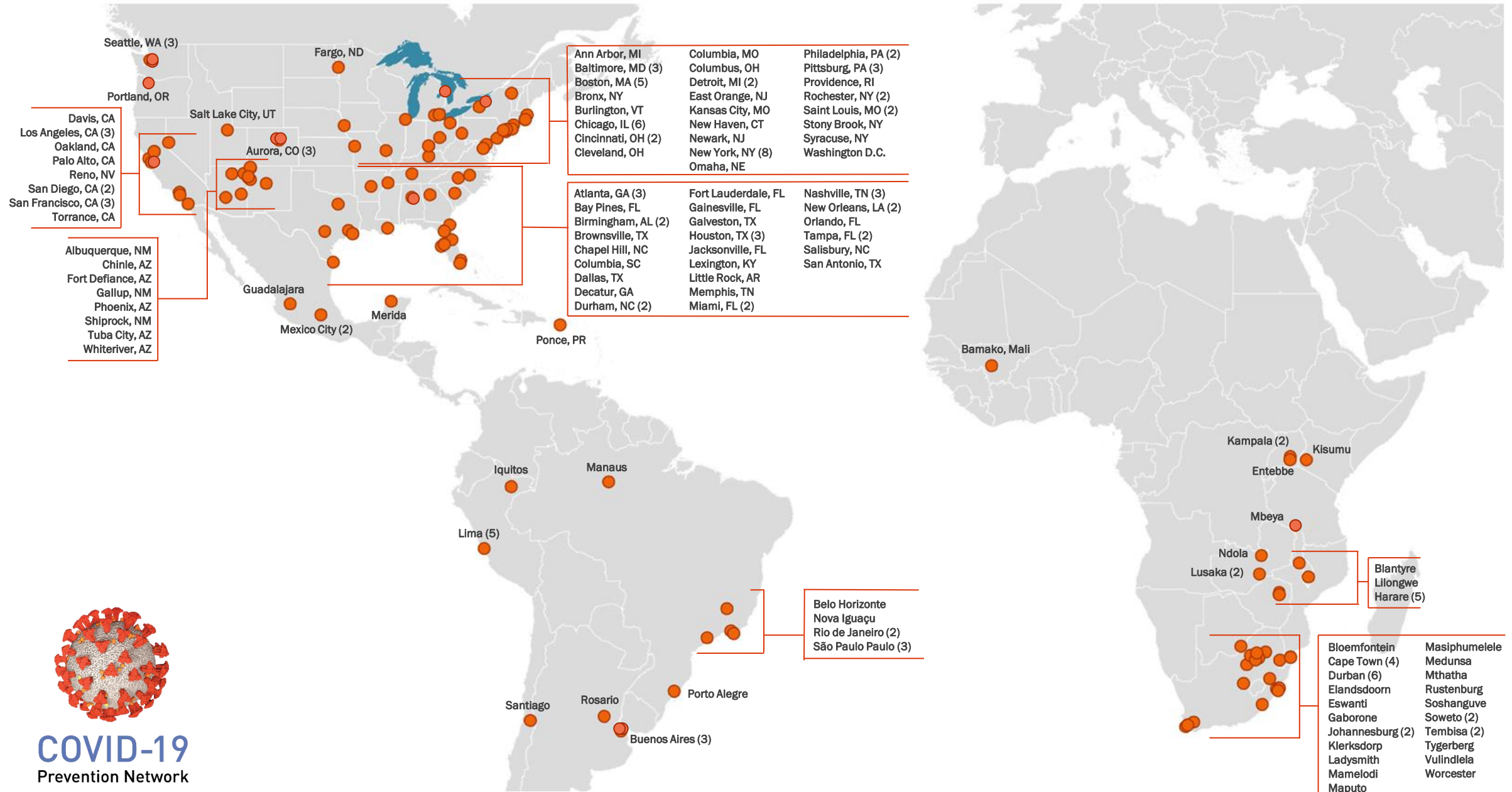


COVID-19 Prevention Network (CoVPN)

- **Formed by NIAID at NIH**
 - Global network of NIAID sites and Clinical Research Organization sites, as needed
 - Links together multiple NIH-sponsored networks
 - Local sites include Bridge HIV (SFDPH), UCSF/ZSFG, EBAC (Oakland), SFVAH
- **Mission: To conduct Phase III efficacy trials to prevent infection and COVID-19 disease**
- **Plan to open 5 Phase III vaccine efficacy trials in 2020 – early 2021**



NIAID COVID-19 Prevention Network, N=189 (as of 8/1/2020)




AZD1222 Study in San Francisco

- **Plan to enroll approximately 500 study participants at two sites in San Francisco (SFDPH-Bridge HIV & UCSF-ZSFG)**
- **Prioritizing access and Black, Latinx, Pacific Islander, and Native American study participants**
 - Goal: Vaccine study participants reflect the communities most impacted by COVID-19
- **Bridge HIV Site: 133/250 Enrolled**
 - 23% Black, 44% Latinx, 13% White, 13% Asian, 2% Native Hawaiian/Pacific Islander
 - 32% over 60 yo

Community Engagement is Key

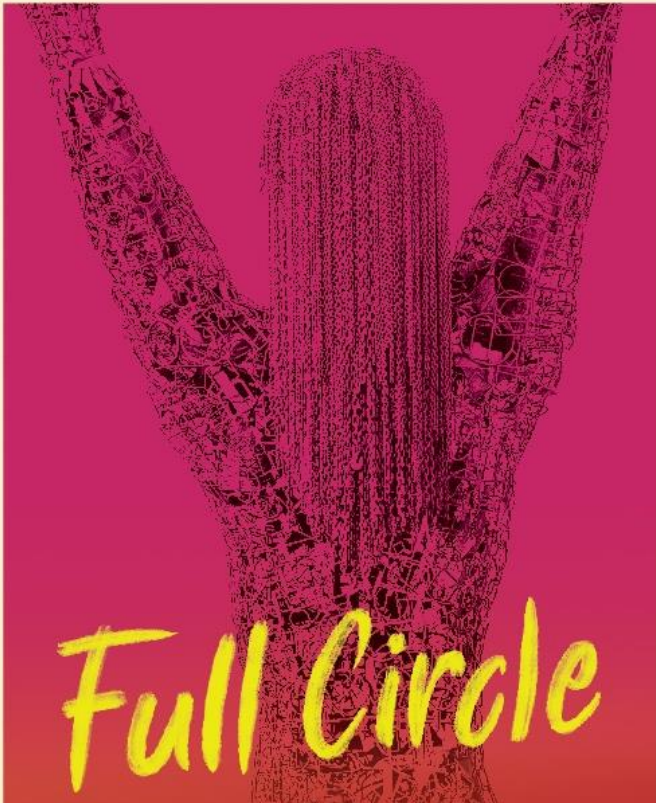
BRIDGE HIV in partnership with
HOUSE OF MIZRAHI, HOUSE OF ENERGI,
HOUSE OF PROLIFIC, & HOUSE OF INFINITI
proudly presents



PrEP & Vogue

NOVEMBER 16, 2016
6 PM / BETTI ONO GALLERY
OAKLAND / CA


➤ FREE EVENT & DINNER



Full Circle

FROM VAGINAL RINGS TO SEXUAL SAFETY

A BRIDGE HIV COMMUNITY FORUM / commemorating



A BRIDGE HIV COMMUNITY FORUM

PREVENT AND PROTECH

THE INTERSECTION BETWEEN HIV RESEARCH & TECHNOLOGY

COME LEARN ABOUT HOW DIGITAL HEALTH IS IMPROVING HEALTH DISPARITIES IN THE FIELD OF HIV PREVENTION.

TUESDAY
APRIL 24
2018 **6-8 PM**

CITY COLLEGE OF SAN FRANCISCO
MULTI-USE BUILDING (MUB 140)
50 PHELAN AVENUE / SF

REGISTER AT
PREVENTANDPROTECH.EVENTBRITE.COM

FREE ADMISSION / PUPUSAS / RAFFLE
CEU'S AVAILABLE FOR ALL NURSING LICENSES





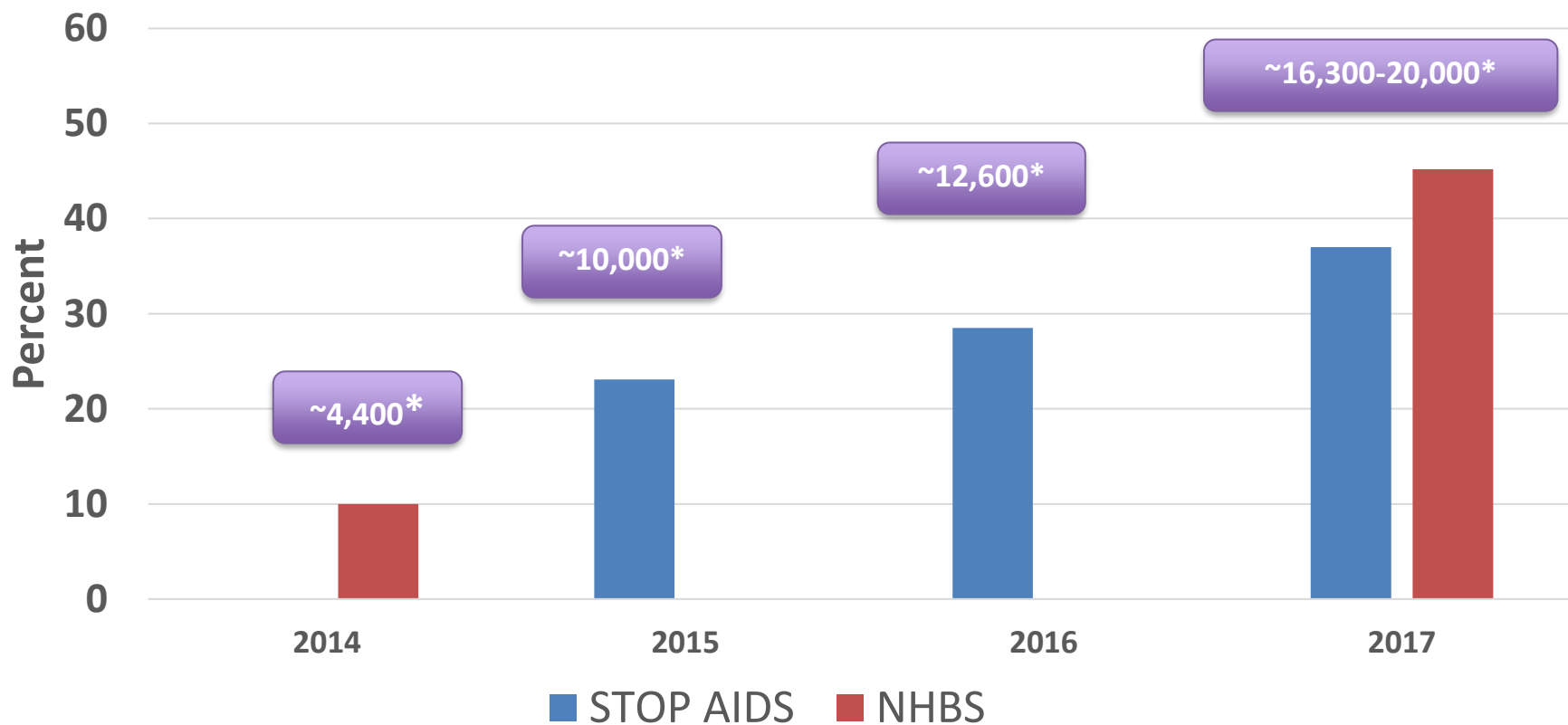
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COVID-19 Vaccine Community Engagement



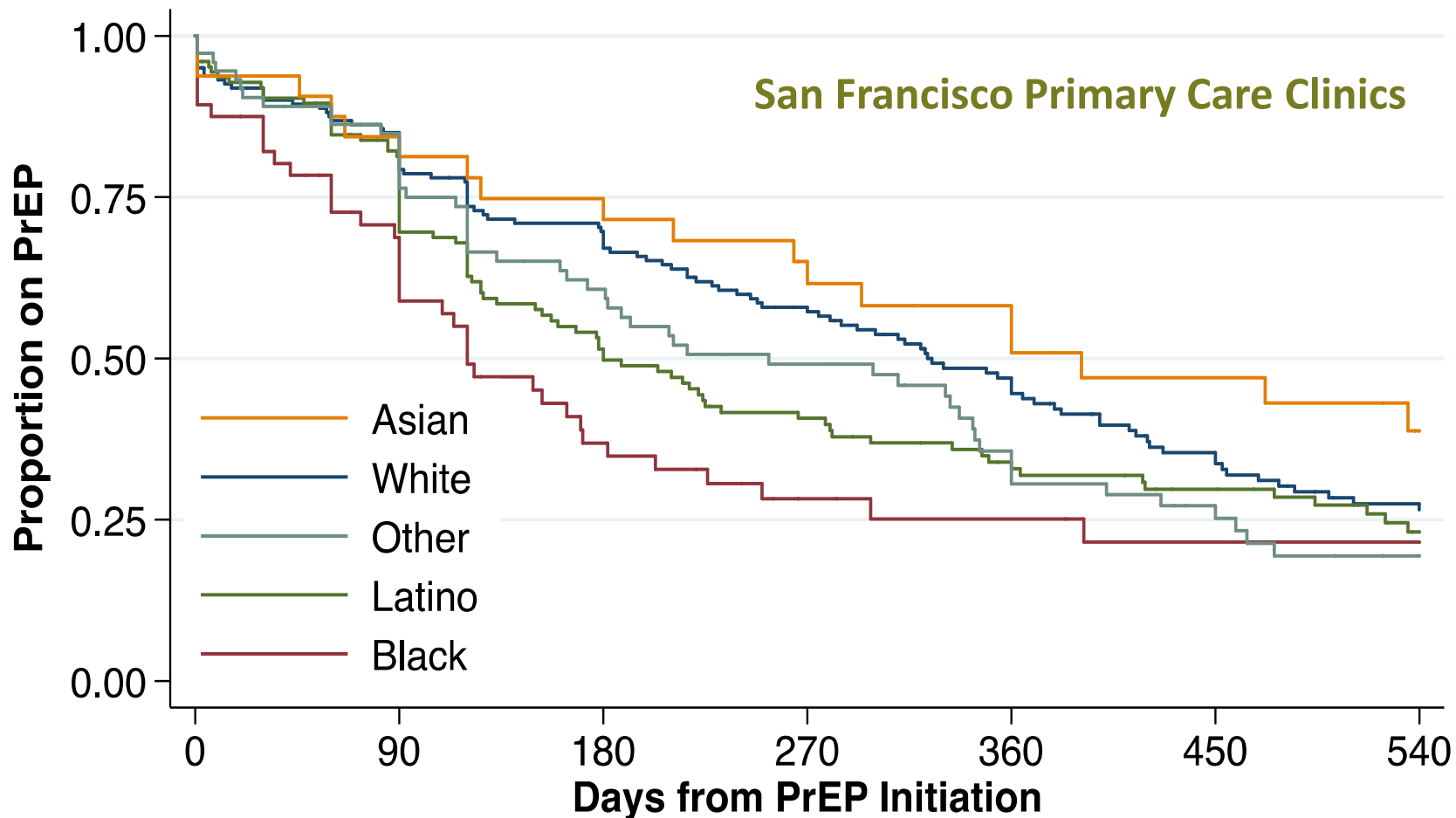
PrEP initiations have increased substantially in SF

PrEP use among MSM in San Francisco: NHBS and STOP AIDS surveys



*Based on estimated sample size of 44,154 HIV negative MSM in SF in 2014
 Hughes et al, J Urban Health 2017; Buchbinder CROI 2018

Lack of PrEP persistence accentuates disparities



- Median duration: 8.3 mo
- Retention at 12 mo: 38%
- Higher discontinuation:
 - Youth
 - African American
 - PWID
 - Transwomen

LYNX: Mobile app to increase HIV testing and PrEP uptake (ATN 140 and ATN 143)



Welcome to Lynx!

Lynx is all about blending pleasure with HIV prevention. It'll help you track, check, and protect so you can focus on the pleasure of sex.



NEXT

LYNX

YOUR SCORE WILL UPDATE IN 90 DAYS

Baseline Score

LOWER LEVELS OF PROTECTION | 3 | HIGHER LEVELS OF PROTECTION

Want to get into the green? PrEP is a great way to make it happen & protect your sexual health. Hit us up, we can help.

Home | Diary | Testing | PrEP | Chat

LYNX

Your Partner Insights

For 15 encounters with 10 partners:

Your Partners

60%	15%	15%	10%
MEN	TRANS MEN	WOMEN	TRANS WOMEN

Partner types

60%	15%	10%	15%	10%
PRIMARY	FRIENDS WITH BENEFITS	REGULAR	HOOK-UP	ONE-NIGHT STAND

Home | Diary | Testing | PrEP | Chat

LYNX

NEED US NOW?

When will I get my test kit?
You, Sep 3, 3:12 PM

Your test kit is on the way! Expect it in 2-3 days. If you have any ?'s when you get it let's chat again.
Lynx Study, Sep 3, 3:38 PM

I think I want to start PrEP. Where do I start? Where do I go? Help!
You, Dec 7, 8:18 AM

Hey. Thanks for reaching out. Let me see what's in your neighborhood. Hold on & I'll be right back with info.
Lynx Study, Dec 7, 9:23 AM

Message

Home | Diary | Testing | PrEP | Chat

You've earned a badge!

Golden Butt

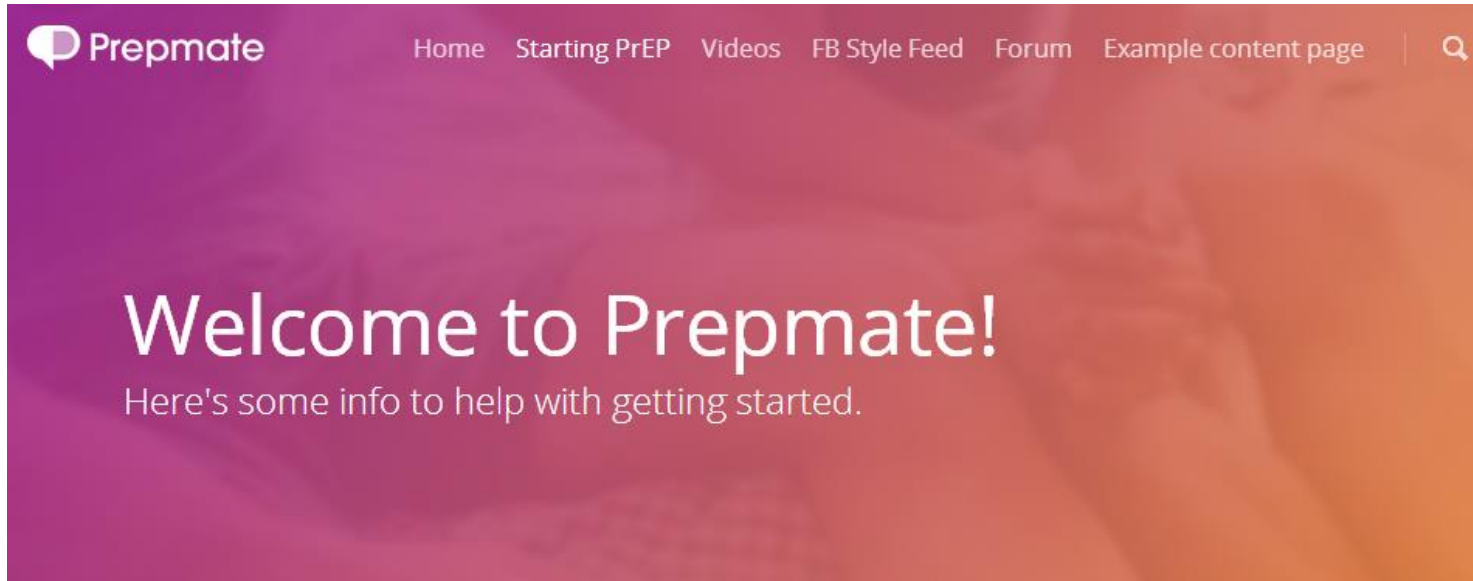
100% condom use as a bottom in a month

Somebody is keeping it 100 in the best way. Congrats on protecting and enjoying yourself.

Earned 1 time

GOT IT!

SMS Support for PrEP Retention & Adherence



- Patterned after the WeTel model of weekly text-message check-ins to support ARV adherence
- Impact primarily through personalized communication between participants and clinic staff; doubled adherence to PrEP



How is PrEP going?

Ok

Not great.

Adherence Tracking and Protection Levels

Sketch 9:41 AM 100%

DOT DIARY

Today Month Summary

S	M	T	W	T	F	S
6	7	8	9	10	11	12

TODAY PROTECTION LEVEL

No/Low

Take PrEP for 3 days to be highly protected.

Add new encounter

Dashboard Take Dose

Sketch 9:41 AM 100%

DOT DIARY

Today Month Summary

S	M	T	W	T	F	S
6	7	8	9	10	11	12

TODAY PROTECTION LEVEL

Medium

Take PrEP for 2 days to be highly protected.

Add new encounter

Dashboard Take Dose

Sketch 9:41 AM 100%

DOT DIARY

Today Month Summary

S	M	T	W	T	F	S
6	7	8	9	10	11	12

TODAY PROTECTION LEVEL

High

Continue taking PrEP daily.

Add new encounter

Dashboard Take Dose

Digital Support for PREP 2-1-1

PI Liu, R34 MH121139

Home screen with timer

PrEPmate 211

TODAY MONTH

M T W T F S S

Dosing 2

Sex ☆

Last Dose
June 17 2018
9 am

Time to protection:
1h: 19min.

Home PrEP Diary Trends Chat

Home screen

PrEPmate 211

TODAY MONTH

M T W T F S S

Dosing 2 1 1

Sex ☆ ☆

TODAY
June 19, 2018

Your next dose is tomorrow at
9 am

Your last dose was 1 day ago

Protection level:
HIGH

Home PrEP Diary Trends Chat

Legend

PrEPmate 211

Key

- ☆ Confirmed sex day
- ☆ Possible sex day

Protection Level

- High protection
- Medium protection
- Low/no protection

Home PrEP Diary Trends Chat

Trends

PrEPmate 211

6 # of sex days last month

% of time sex acts occur by day of week:

M	T	W	T	F	S	S
0%	0%	20%	0%	60%	20%	0%

40% of all sex acts covered by PrEP

Having trouble with 211 PrEP? Chat with your provider about switching to daily PrEP.

Sex acts covered by PrEP

PRE/POST PrEP TAKEN	ONLY PRE PrEP TAKEN	ONLY POST PrEP TAKEN	NONE TAKEN
40%	20%	20%	20%

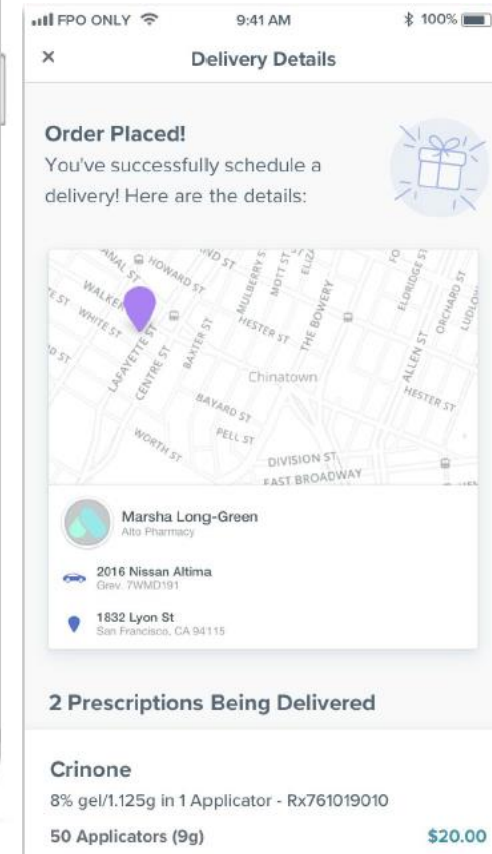
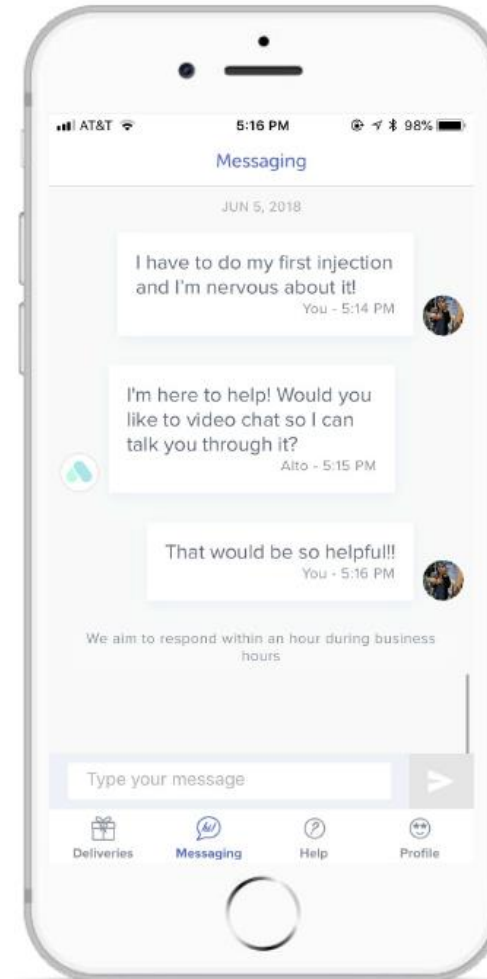
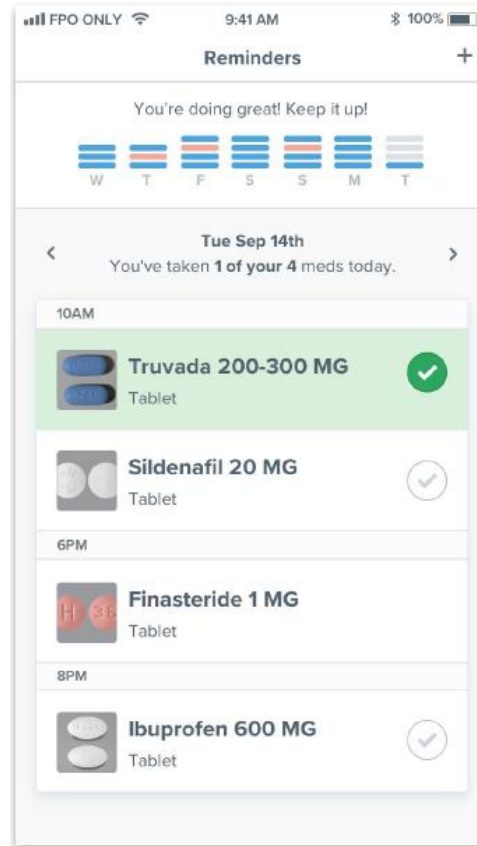
Home PrEP Diary Trends Chat

PrEP-3D: Digital Diary and Delivery for MSM

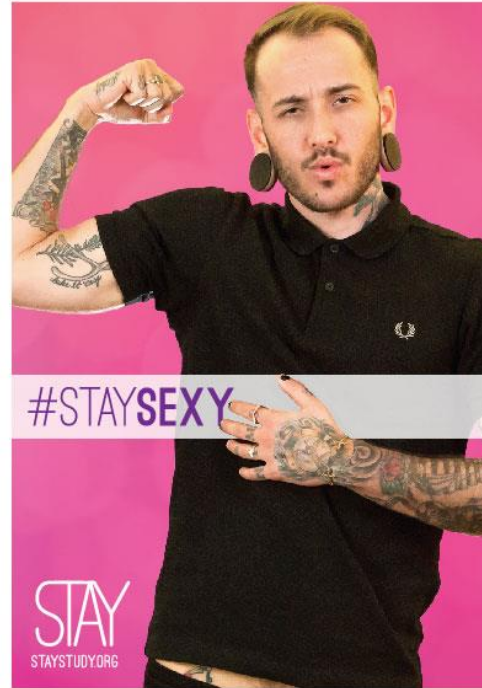


Buchbinder R01 MH119956-01

- Pharmacy-led models of PrEP delivery are feasible and sustainable can reduce burden on clinics^{1, 2}
- PrEP-3D
 - Online pharmacist provides PrEP Rx, orders/tracks lab monitoring through collaborative practice agreement
 - Medication delivery through courier
 - Online tools (pill/sex diary, bi-directional messaging) support adherence and persistence



¹Tung E National HIV Prevention Conference Atlanta 2015; ²Marcus Current HIV/AIDS Reports 2016, Lopez J Am Pharm Assoc 2019



STAY

NOW THERE'S A PILL THAT CAN HELP
PREVENT HIV INFECTION FOR
TRANS PEOPLE. IT'S CALLED PrEP.
IT'S SAFE. IT CAN HELP YOU
STAY HIV-NEGATIVE.

AWARE

Get PrEP for free, the support you need to
take it every day and up to \$375.

Text "STAY" to (617) 826-9932 to find out how
or visit us at StayStudy.org

PI Liu, CHRP



CALIFORNIA HIV/AIDS
RESEARCH PROGRAM

Studies on the horizon

- CoVPN:
 - AstraZeneca trial: enrolling 250 ppts
 - Sanofi trial starting in January
- Merck
 - New monthly PrEP pill for MSM/TGW
- Gilead
 - New semi-annual injectable PrEP for TGW
- AMBER
 - Socio-behavioral research to guide PrEP implant development in MSM, cisgender women, and TGW
- PrEP implementation
 - PCORI: Comparative effectiveness trial evaluating 2 mobile technologies to support PrEP use
 - Writing several grants

Thank you!

HELP **FI**IGHT HIV **.ORG**

BridgeHIV™

San Francisco Department of Public Health

