

HIV Research @ the San Francisco Dept. of Public Health AIDS Office



SFDPH AIDS OFFICE (Population Health Division)

Bridge HIV

Community
Health Equity
and Promotion

HIV Care

Center for Public
Health Research

Applied Research,
Community Health
Epidemiology, and
Research (ARCHES)

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



Susan Buchbinder, MD



Albert Liu, MD, MPH



Hyman Scott, MD, MPH



***Active studies**

SF City Clinic Cohort Study

- HIV antibody test
- Natural history
- Long term non-progression (LTNP)

Vaccine Preparedness Studies

- Recruitment and retention of at-risk cohorts
- Risk factors for infection
- Per-contact risk

Behavioral and Biomedical Interventions

- Individualized, client centered counseling
- Preventive Vaccines*
- STD interventions (HSV-2 suppression)
- Pre-exposure Prophylaxis*
- Rectal and vaginal microbicides*
- Peer navigation among Black and Latino MSM*
- Home HIV and STI testing*

Evaluating Platforms for Intervention Delivery and Building Research Capacity

- Combination Prevention*
- Implementation Research*
- Fostering a new generation of HIV researchers*

Next generation of PrEP Research

HPTN 069, 077

- ▶ Evaluate safety and tolerability of Maraviroc (CCR5 inhibitor) GSK744-LA long-acting injectable (integrase inhibitor)

MTN 017, 028

Evaluate safety, acceptability, PK of

- Rectal TFV gel (daily, pre/post anal sex)
- Vaginal ring (MK-4176 CCR5 inhibitor and MK-2048 integrase inhibitor)

DOT-DBS

- Help develop novel methods to measure HIV medications in people's bodies.
- Dried blood spots and hair samples can be used as a tool to accurately measure how often people take their PrEP pills

▶ PrEP Cascade

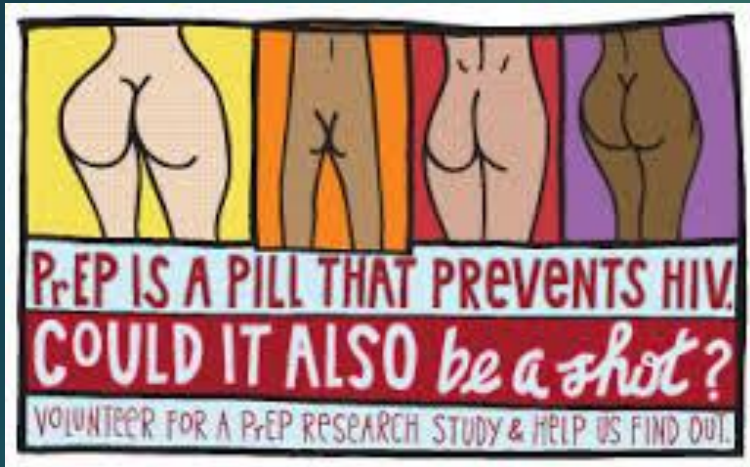
- Measure PrIDE Project via surveillance of community PrEP awareness, knowledge, access, uptake, and adherence, the key steps in the PrEP cascade

▶ EPIC (NIMH R01, completed)

- Develop and evaluate novel adherence strategies to support PrEP (SMS, integrated counseling)

▶ iPrEx OLE, completed

- Offer open-label Truvada to iPrEx RCT ppts to evaluate uptake, adherence, risk practices



Substance Use Research Unit (CPHR)

Ongoing Trials and Observational Studies



Phillip Coffin, MD



Glenn-Milo Santos, PhD



	ODS	COPING	Transitions
Population & Setting	People prescribed opioids (N= 600)	People prescribed opioids (N= 300-400)	People prescribed opioids (N= 600)
Intervention	Observational	Observational	Observational
Primary outcome	HIV outcomes	Pain and function	Illicit opioid use
Design	Chart review	Longitudinal cohort, up to 4yr f/u	Longitudinal, retrospective cohort

Substance Use Research Unit

Ongoing Randomized Intervention Trials



Bye-C

Population
People who inject drugs
(N=30)

Intervention
& Control
Modified directly
observed treatment
(mDOT) of HEP-C tx

Outcome
Adherence

Design
RCT, 8 week f/u



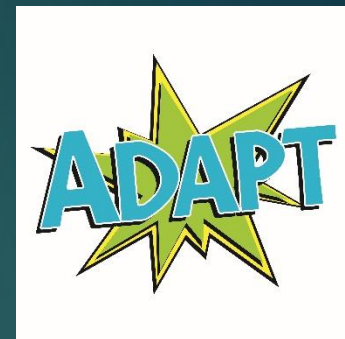
Say When

Population
Binge-drinking MSM
(N=120)

Intervention
& Control
Oral naltrexone
vs. placebo, as-needed

Outcome
Alcohol Use, Sexual Risk
Behaviors

Design
Double-blind RCT,
3 month f/u



ADAPT-2

Population
Meth users (N=53)

Intervention
& Control
Bupropion & ER
naltrexone v placebo

Outcome
Methamphetamine use

Design
Double-blind RCT, 3m f/u

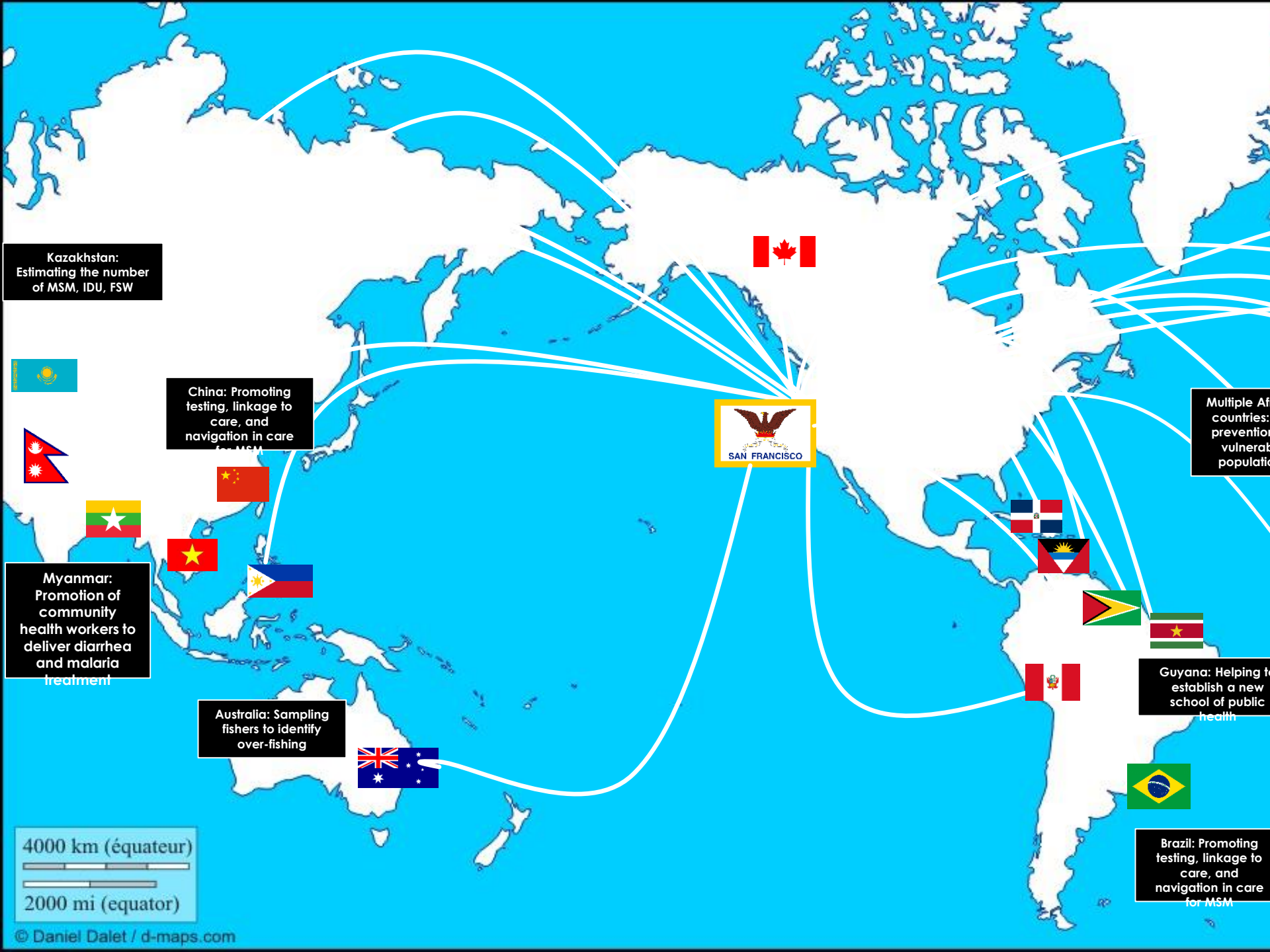
HIV Epidemiology Research



Henry Raymond,
DrPH

National HIV Behavioral Surveillance

- ▶ SF arm of CDC's National HIV Behavioral Surveillance
- ▶ Ongoing research into HIV prevalence, incidence, and HIV risk behaviors among populations at high risk for HIV in SF
- ▶ Rotating annual cycles:
 - ▶ MSM,
 - ▶ PWID,
 - ▶ Trans women,
 - ▶ Heterosexuals at risk for HIV infection



Kazakhstan:
Estimating the number
of MSM, IDU, FSW



China: Promoting
testing, linkage to
care, and
navigation in care
for MSM



Myanmar:
Promotion of
community
health workers to
deliver diarrhea
and malaria
treatment



Australia: Sampling
fishers to identify
over-fishing



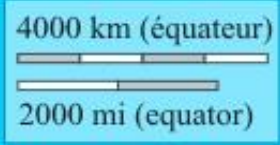
**Multiple Af-
rican
countries:**
prevention
vulnerable
populations



Guyana: Helping to
establish a new
school of public
health



Brazil: Promoting
testing, linkage to
care, and
navigation in care
for MSM





Erin C. Wilson, DrPH



Sean Arayasirikul, PhD



THE SHINE STUDY



The SHINE study

- ▶ Longitudinal study of young transwomen aged 16-24 years
- ▶ Study of HIV risk and resilience
- ▶ 300 participants recruited



Health eNav

- Demonstration project to use digital navigation to engage and retain young transwomen and MSM in HIV care
- Leverages SFDPH system
- 120 participants



Trans*National Study

- Prospective HIV incidence study of transwomen in 4 countries
- HIV risk, trans-specific and country-specific predictors of risk are assessed
- HIV, HCV and other STI testing
- 1,500 participants

HIV Epidemiology and Surveillance Section

- ▶ Core HIV/AIDS Surveillance
- ▶ HIV Incidence Surveillance
- ▶ Molecular HIV Surveillance
- ▶ Medical Monitoring Project
- ▶ Provide Metrics to Monitor Success of all Getting to Zero Strategic Initiatives
- ▶ HIV Epidemiology and Surveillance Section is in the Applied Research, Community Health Epidemiology, and Surveillance Branch(ARCHES)



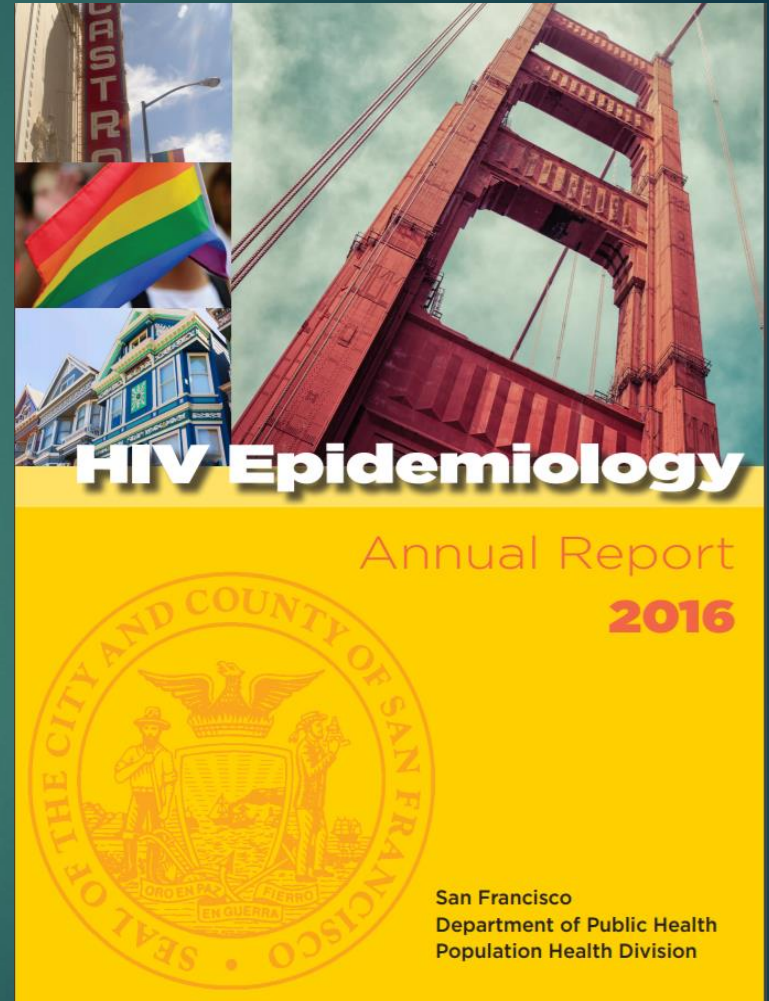
Wayne
Enanoria,
PhD, MPH



Susan
Scheer,
PhD, MPH

HIV Epidemiology and Surveillance

- ▶ Monitor incidence, prevalence, morbidity and mortality of persons with HIV/AIDS in San Francisco, following government mandates
- ▶ AIDS case reporting since 1981, name-based HIV case reporting since 2006
- ▶ Mandatory dual reporting by provider and laboratory of HIV test results including viral load and CD4 test results
- ▶ Longitudinal registry
 - ▶ Follow-up chart reviews for ART, prophylaxis, OIs
 - ▶ Current address and homeless status
 - ▶ Deaths and multiple causes of death



Collaborative studies (Bridge HIV, CPHR/SURU, and/or ARCHES)

STAY
STAYSTUDYING

GET PrEP TALK TO A PEER **OUR COMMUNITY** VIDEOS FAQ MEET YOUR TEAM [Join Today](#)

Text "STAY" to (617) 826-9932 and we'll help you join the first dedicated PrEP research study for the trans community.

Our Community

We believe that amplifying trans voices directly on PrEP is important! We reached out to some of the Bay Area's trans ambassadors to share their thoughts, experiences and voices on PrEP.

#StayConnected
#StayWoke
#StayStudy
-Obliviana

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The Stay Study is sponsored by the California HIV Research Program
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Stay Study 1st Trans PrEP Demo project

PrEP Cascade

- ▶ Development of a measure of the PrEP cascade
- ▶ PrEP surveillance in SF

Summer HIV/AIDS Research Program (SHARP)

- ▶ Undergraduate training program to address disparities in HIV research