HIV Research @ the San Francisco Dept. of Public Health
SFDPH, Population Health Division

- Bridge HIV
- Community Health Equity and Promotion
- Disease Prevention & Control (City Clinic)
- Center for Public Health Research
- Applied Research, Community Health Epidemiology, and Research (ARCHES)
- Center for Learning & Innovation
Bridge HIV: A Tradition of Innovative Research to Prevent HIV/AIDS

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/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*

*Active studies
Next generation of PrEP Research

**HPTN 083**
- Evaluate safety and efficacy of cabotegravir long-acting injectable (integrase inhibitor)

**MTN 035, 038**
- Evaluate preferences for douche, insert, suppository for rectal use
- Evaluate safety and PK of 90-day tenofovir intravaginal ring

**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 PrIIDE 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
Trans*National Study (PI: Wilson, McFarland)
- 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
- N=1,500 participants

Health eNav (PI: Arayasirikul)
- Demonstration project to use digital navigation to engage and retain young transwomen and MSM in HIV care
- Leverages SFDPH system
- 120 participants

Partners Study (PI: Wilson)
- Reach partners of trans women to determine HIV risk at the partner level
- Mixed Methods
- N=100 trans women, N=200 partners
Sweekar (PI: Wilson)
Stigma and HIV research with trans women in Nepal

- **Aim 1** - To conduct a population-based study to determine a HIV point estimate for TW and examine the effects of anti-trans, HIV and sex worker stigma on TW’s HIV prevention and care health seeking behaviors.

- **Aim 2** - To examine the relationship between social cohesion and social participation and HIV prevention and care health seeking behaviors.

- **Aim 3** - To build the capacity of our local partner NGO to develop a stigma research initiative that fosters stigma reduction interventions for sexual and gender minority groups in Nepal.
Ongoing Centers for Disease Control and Prevention
HIV Epidemiology Research

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
## REBOOT R01

**Population & Setting**
People w/ opioid use disorder at high-risk for recurrent overdose (N = 300)

**Intervention**
motivational interviewing-based brief intervention

**Primary outcome**
HIV outcomes

**Design**
Randomized trial with attention control, 16m f/u

## COPING

**Population & Setting**
People prescribed opioids (N = 300-400)

**Intervention**
Observational

**Primary outcome**
Pain and function

**Design**
Longitudinal cohort, up to 4yr f/u

## Transitions

**Population & Setting**
People prescribed opioids (N = 600)

**Intervention**
Observational

**Primary outcome**
Illicit opioid use

**Design**
Longitudinal, retrospective cohort
## Curb the Line
- **Population**: MSM with cocaine Use disorders (N=45)
- **Intervention & Control**: ER Lorcaserin vs. placebo
- **Outcome**: Cocaine Use and Cocaine-Associated Sexual Risk Behaviors
- **Design**: Double-blind RCT, 3 month 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

## Harness
- **Population**: People with alcohol use disorders (n=120)
- **Intervention & Control**: Kudzu vs. placebo, as-needed
- **Outcome**: Alcohol Use, Sexual Risk Behaviors, STIs
- **Design**: Double-blind RCT, 3 month f/u
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
Center for Learning & Innovation

- **Capacity Building Assistance Program in High Impact HIV Prevention, West Region TA Provider**
  - HIV testing in non-clinical settings
  - Interventions for individuals at risk for HIV (PrEP/PEP)
- **Summer HIV/AIDS Research Program (MPI Coffin, Sauceda)**
- **CFAR Mentoring Program**
- **UCSF California Preterm Birth Initiative**
- **EPIC (NIMH R01, completed)** - in collaboration with A. Liu, Bridge HIV
  Develop and evaluate novel adherence strategies to support PrEP (SMS, integrated counseling)