STDs in San Francisco in the Era of Getting to Zero

Susan Philip MD MPH
Disease Prevention and Control Branch
Population Health Division

San Francisco HIV Community Planning Council
May 22, 2017
STD Increases are Occurring Even as HIV Diagnoses Decline
SFDPH STD Prevention Efforts are Fundamental to Getting to Zero

City-wide coordinated PrEP program

Rapid ART start with treatment hubs

Linkage-engagement-retention in care

Reducing HIV stigma

Drug user health

Mental health/Substance use/Housing as HIV prevention

Linkage to care and partner services (LINCS)

Treatment as prevention

Primary care HIV screening

Syringe access

Health ed/risk reduction

STD testing & treatment

Prevention with positives

HIV testing
Priority Populations are Those at Highest risk for STDs or Severe Complications of STDs

• Gay and Bisexual Men and other Men who have sex with Men (MSM)
• Adolescents and Young Adults of Color
• Transgender persons

• Pregnant women (Preventing Congenital Syphilis Cases)
Challenges of Increasing Congenital Syphilis in CA

- Syphilis can be transmitted by a pregnant woman to her baby with severe health consequences including miscarriage or death shortly after birth

- Transmission can be prevented by timely treatment of the mother with penicillin

- CA rates of congenital syphilis increased from 9.2 cases/100,000 live births in 2011 to 28.2 in 2015

- SF Congenital Syphilis cases: 2 cases in 2016 and 1 in 2015
STD Increases are Occurring in other Cities and States

Primary and Secondary Syphilis Rates in NYC

Chlamydia, Gonorrhea, and Syphilis Rates in CA

J. Schillinger, personal communication; CDPH website https://archive.cdph.ca.gov/data/statistics/Pages/STDData.aspx
CDC National HIV Behavioral Surveillance Survey results in San Francisco Offer Some Insight into these Trends

- **100% Condom use**
- **Gonorrhea (self report)**
- **Using PrEP**

Proportion

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>100% Condom use</td>
<td>36.8</td>
<td>30.5</td>
<td>30.5</td>
<td>17.3</td>
</tr>
<tr>
<td>Gonorrhea (self report)</td>
<td>4.5</td>
<td>4.7</td>
<td>9.9</td>
<td>9.6</td>
</tr>
<tr>
<td>Using PrEP</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

*Chen Y-H AIDS Care 2016*
"I just wanted to say, you know, I’m a gay man, I’ve been taking PrEP for two years now, and as I’ve learned more about the efficacy of PrEP, I take it every day at the same time, I’ve stopped using condoms…. 

…. after spending 30 some odd years of being safe, and being terrified, I finally feel like I have a enjoyable sex life and the possibility of getting an STI, is, is very much less significant and important to me…"
City Clinic is our Essential Hub for Sexual Health Services, training and research

• High Volume 17,662 visits in 2016; 53% people of color
• Diagnosed 34/255 (13.3%) of the new HIV infections in San Francisco in 2015
• Diagnosed 2,536 cases of chlamydia, gonorrhea or syphilis in 2015
• 496 PrEP initiation visits in 2016
• 106 patients in HIV Early Care in 2016
• Trained ~100 medical and nursing students, residents, fellows and practicing clinicians in 2016
• Locally relevant research: e.g. critical site for NIH-CDC gonorrhea study leading to new alternative treatments in the CDC STD Treatment Guidelines
Quality Improvements to Benefit Sexual Health: Chlamydia and Gonorrhea Testing at the Public Health Lab and City Clinic

- 22% more tests
- 60% faster results

<table>
<thead>
<tr>
<th>Month</th>
<th>Total Specimen Count</th>
<th>Turn Around Time (Days)</th>
<th>Time to Results (days)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jul-16</td>
<td>6,000</td>
<td>40</td>
<td>2</td>
</tr>
<tr>
<td>Aug-16</td>
<td>6,500</td>
<td>35</td>
<td>2</td>
</tr>
<tr>
<td>Sep-16</td>
<td>7,000</td>
<td>30</td>
<td>2</td>
</tr>
<tr>
<td>Oct-16</td>
<td>7,500</td>
<td>25</td>
<td>2</td>
</tr>
<tr>
<td>Nov-16</td>
<td>8,000</td>
<td>20</td>
<td>1</td>
</tr>
<tr>
<td>Dec-16</td>
<td>8,500</td>
<td>15</td>
<td>1</td>
</tr>
<tr>
<td>Jan-17</td>
<td>9,000</td>
<td>10</td>
<td>1</td>
</tr>
<tr>
<td>Feb-17</td>
<td>9,500</td>
<td>5</td>
<td>1</td>
</tr>
<tr>
<td>Mar-17</td>
<td>10,000</td>
<td>0</td>
<td>1</td>
</tr>
</tbody>
</table>
New Program Approaches for MSM

- Francisco Buchting, PhD – consultant behaviorist

- Continued enhancement of integrated STDs and Sexual Health into HIV-related interventions

Project PrIDE
PrEP • Implementation • Data2Care • Evaluation

Ask about PrEP
How providers can prescribe PrEP to prevent HIV and other health disparities

DIVE IN with a CONDOM
Consistent and correct use of condoms can reduce the risk of sexually transmitted diseases.
Program Approaches for Young Women (15-25)

• SFDPH Black/African American Health Initiative (BAAHI)

• Chlamydia Screening Rates in young B/AA women in the San Francisco Health Network (SFHN) one of Four Focus Areas

• Led by Ayanna Bennett, SFHN and Susan Philip, PHD

• Started with Youth Clinics, assess best practices and implement throughout

BAAHI: Chlamydia Screening in young women in SFHN Youth Clinics increased in 2016
New Program Approaches for Young Women – Increased Chlamydia Screening in the DPH SFHN Clinics

Testing volume during April 2016-March 2017 increased 35% overall in the youth clinics, compared to the prior year and detected 29 (30%) more infections in young women of color.
New Program Approaches for Young Women, continued

• Community Focused collaboration with Dr. Cherrie Boyer, UCSF Professor of Pediatrics, led by Jacque McCright in the Community Health Equity and Promotion Branch of PHD
  • Beginning with Key Informant provider interviews
  • Planning to direct additional grant resources via CDC and CDPH to formative community based work
    • Example – home collection kits for Chlamydia and Gonorrhea?

• CDC Gonorrhea Resistance Grant with CDPH - enhanced testing and partner services for youth in Bayview, better understanding of risk for antibiotic resistant gonorrhea in this population
New Program Approaches for Trans Women and Trans Men

- City Clinic and Public Health Laboratory data systems changed to allow flexibility in patient gender and anatomic site for STD specimens

- First Transgender Data Section in 2015 STD Annual Summary

- Training in Transgender cultural humility for City Clinic staff

- In Process of Revising the Confidential Morbidity form used city-wide

What terms to use?

- It boils down to dignity.
- How would we want people to talk about us?
- Mirror the terms a client uses to define themself

From SF City Clinic Staff Training Presentation March 28, 2017
Program Approaches to Prevent Congenital Syphilis

• Syphilis/HIV Disease Intervention Specialist Team prioritizes syphilis cases and contacts who are women of childbearing age

• Clinical Provider training and Academic detailing will incorporate congenital syphilis messages

• Grand Rounds, monthly STD reports

• City and DPH policies of Sanctuary City, Care for All and Harm Reduction are important structural/system interventions to support screening and preventive treatment
Conclusions

• STD rates continue to increase in San Francisco and many other areas of the U.S.

• Declining condom use is contributing to the increases, as people utilize HIV treatment to prevent HIV.

• The expertise of SFDPH STD staff and our disease intervention infrastructure and clinical services at City Clinic allow us to address STD increases and reduce disparities in STDs and HIV.

• Enhanced initiatives continue, with ongoing innovation and also continuous quality improvement of the work we currently do.
Thank you!