

Orange County Health Care Agency Disease Intervention Services Partner Services as HIV Prevention

Marc Meulman, MPA
Division Manager, Disease Control & Epidemiology
Orange County Health Care Agency



Let's talk about it **OC**

HIV Services All Provider Meeting
May 1, 2014

Overview of Presentation

- Partner Services as Disease Control
- HIV Partner Services Outcomes
- STD Partner Services as HIV Prevention



Let's talk about it **OC**

Partner Services

- **Partner Services is highly effective Disease Control intervention for HIV & STDs**



Let's talk about it **OC**

Partner Services

- Partner Services is highly effective Disease Control intervention for HIV & STDs
- **Partner Services is confidential & voluntary**



Let's talk about it **OC**

Partner Services

- Partner Services is highly effective Disease Control intervention for HIV & STDs
- Partner Services is confidential & voluntary
- **Partner Services program focuses on preventing new infections by identifying HIV/STD positive partners**



Let's talk about it **OC**

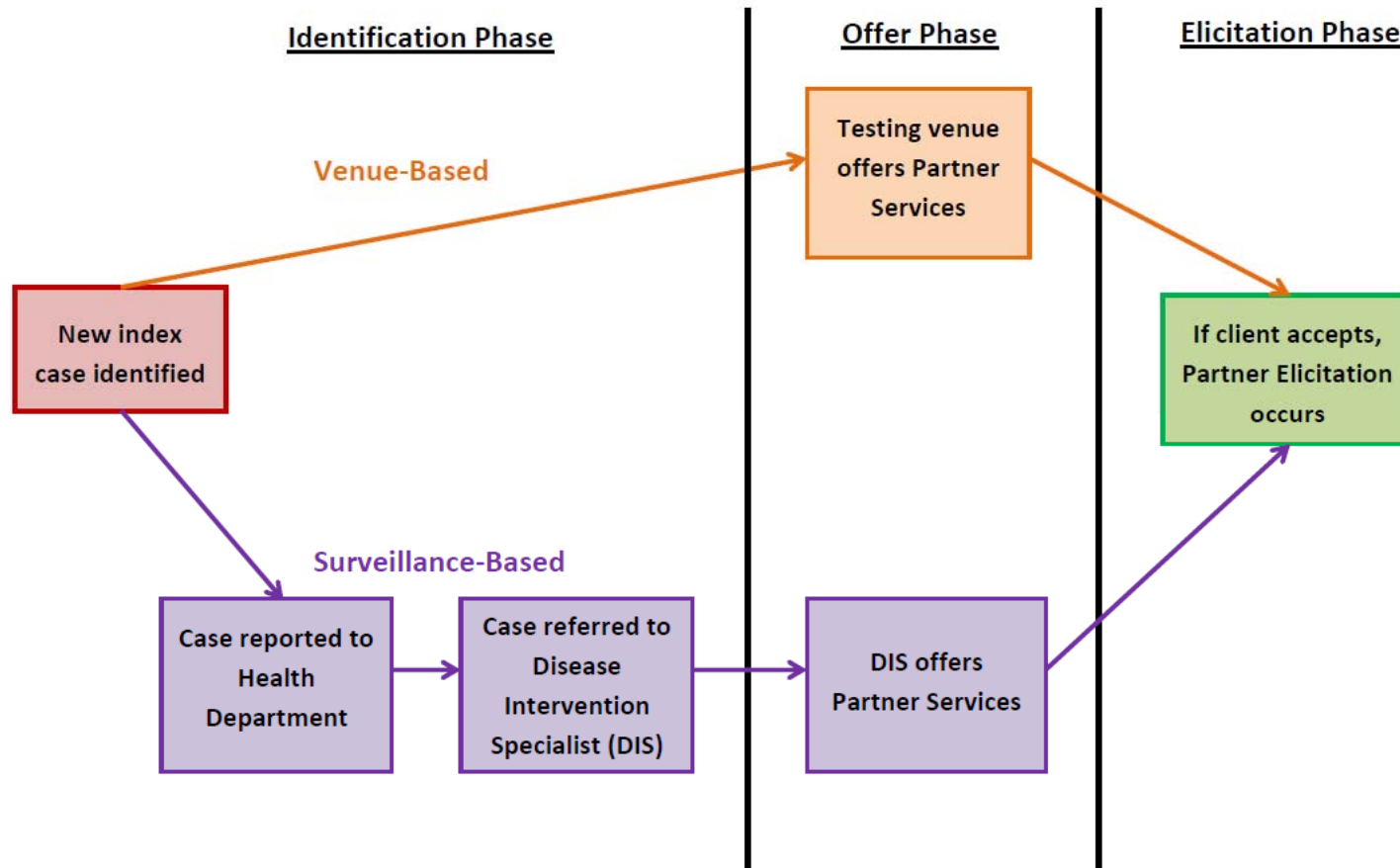
Partner Services

- Partner Services is highly effective Disease Control intervention for HIV & STDs
- Partner Services is confidential & voluntary
- Partner Services program focuses on preventing new infections by identifying HIV/STD positive partners
- **The goal of Partner Services is to notify exposed individuals, test, treat and link all HIV+ partners to HIV care & services**



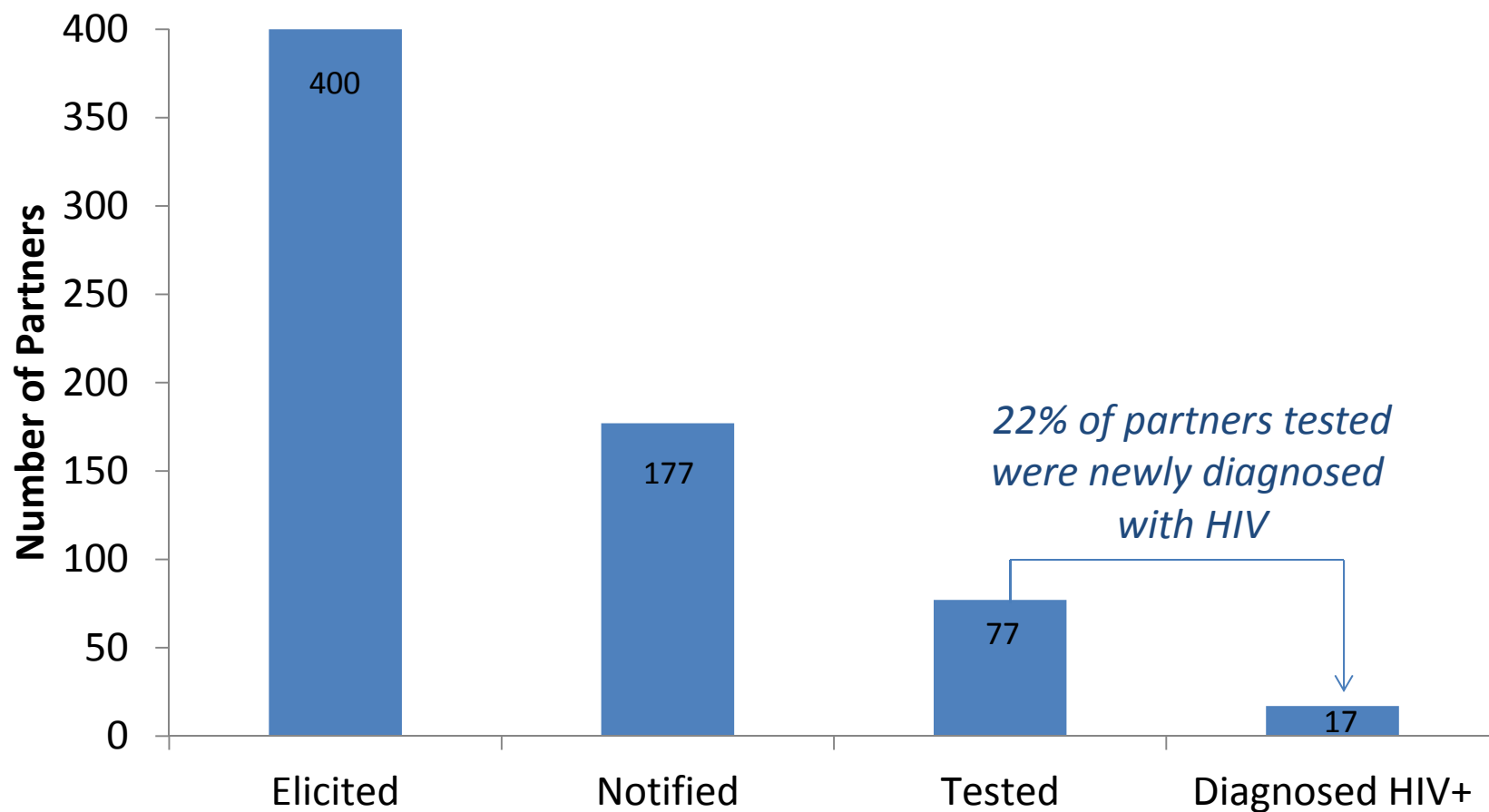
Let's talk about it **OC**

Comparison of Venue-Based Partner Services Model & Surveillance-Based Partner Services Model



HIV Partner Services Outcomes

California Project Area, 2012-2013



Data courtesy Amy Kile-Puente, CDPH Office of AIDS

HIV Testing Programs Positivity Rate

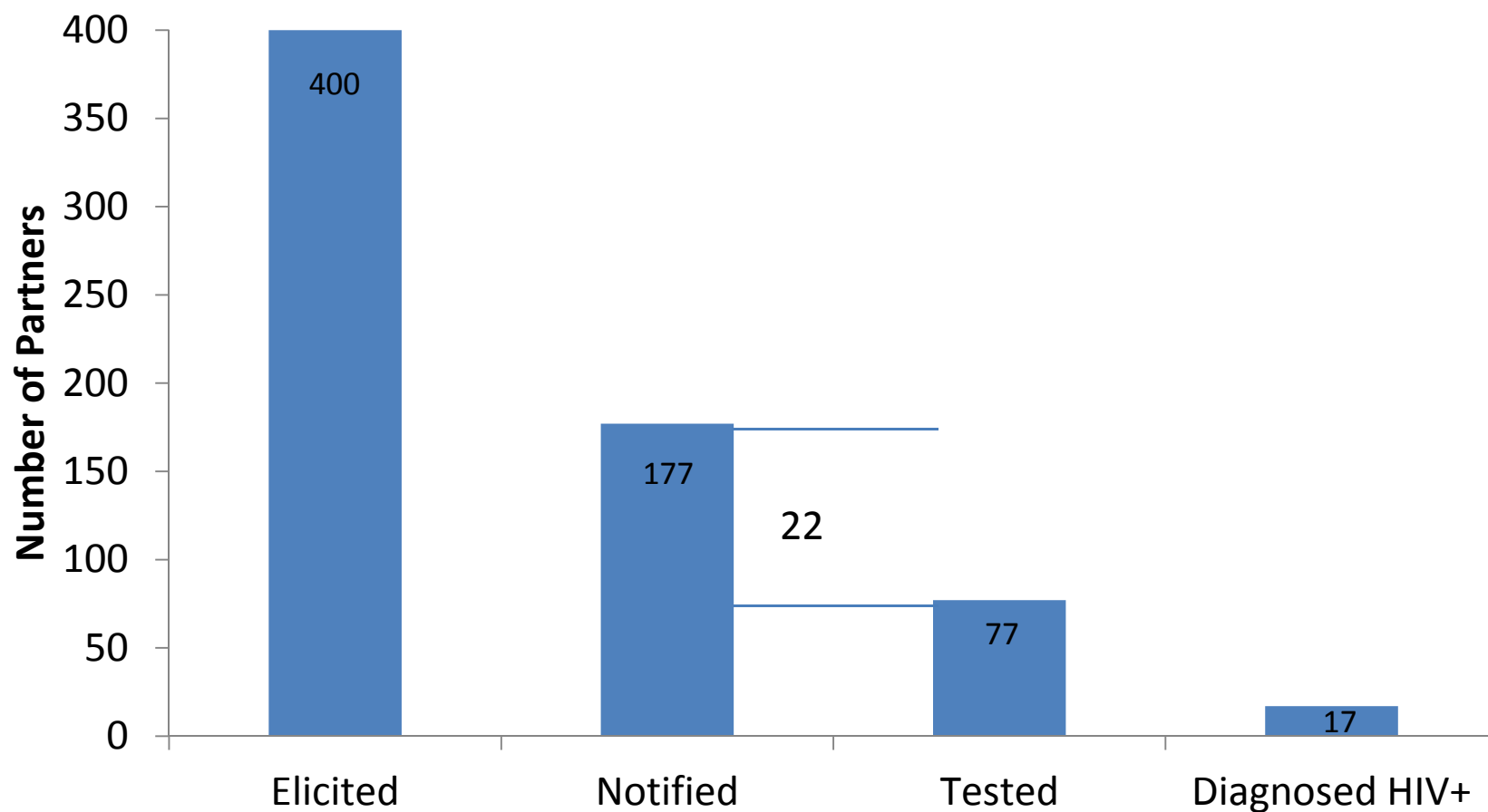
- Cal. Partner Services 2012-13: 22% (CDC 14-26%)
- 17th Street STD Clinic 2013 – 1.1%
- All other OC HIV C&T Sites 2013 – 0.4%
- OC Expanded Testing 2013 – 0.11%



Let's talk about it **OC**

HIV Partner Services Outcomes

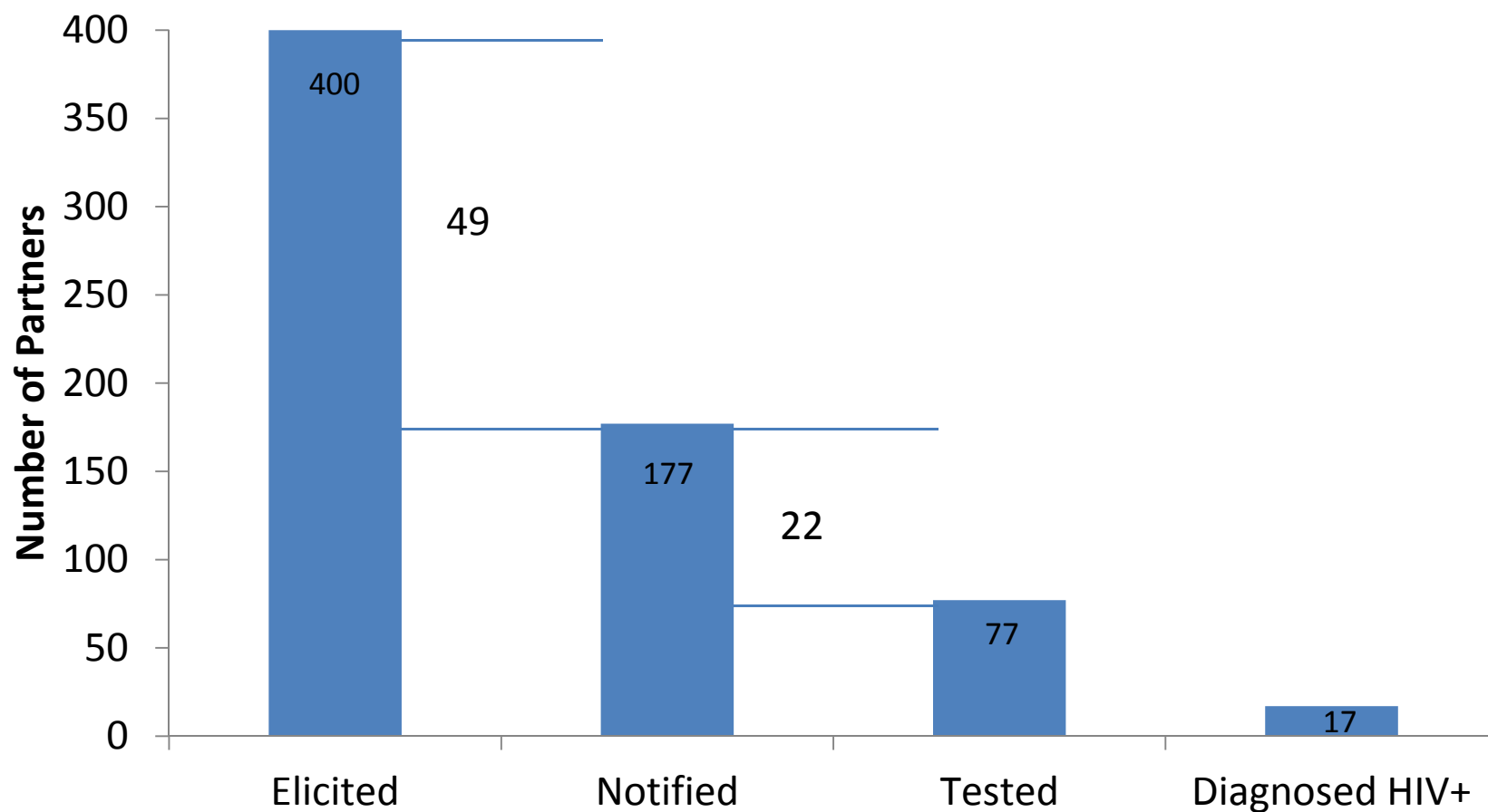
California Project Area, 2012-2013



Data courtesy Amy Kile-Puente, CDPH Office of AIDS

HIV Partner Services Outcomes

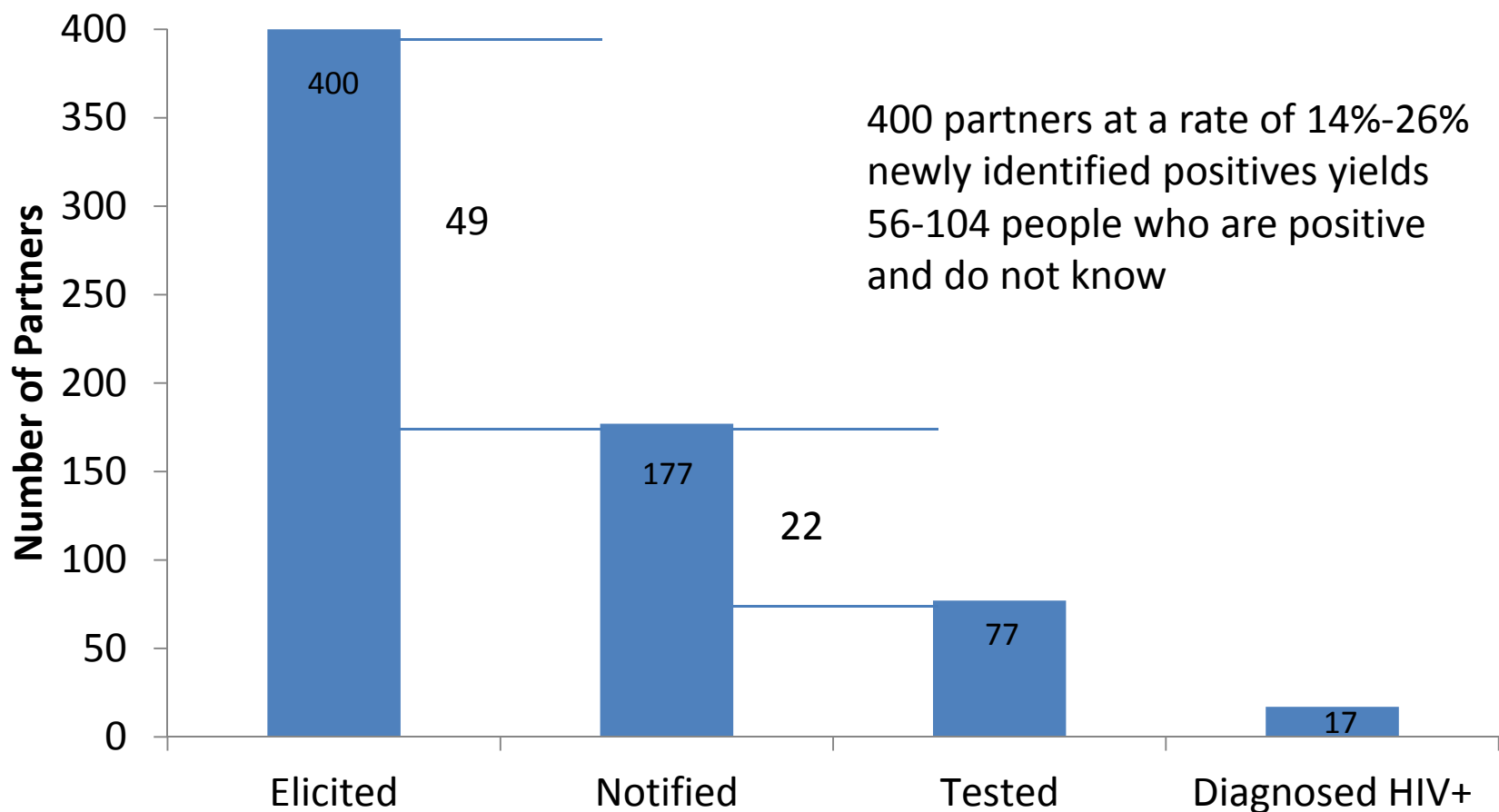
California Project Area, 2012-2013



Data courtesy Amy Kile-Puente, CDPH Office of AIDS

HIV Partner Services Outcomes

California Project Area, 2012-2013



Data courtesy Amy Kile-Puente, CDPH Office of AIDS

STD Partner Services as HIV Prevention



Let's talk about it **OC**

HIV & STDs in Orange County, 2013

- HIV - 275
- Syphilis - 308*
- Gonorrhea - 1,454
- Chlamydia – 8,588

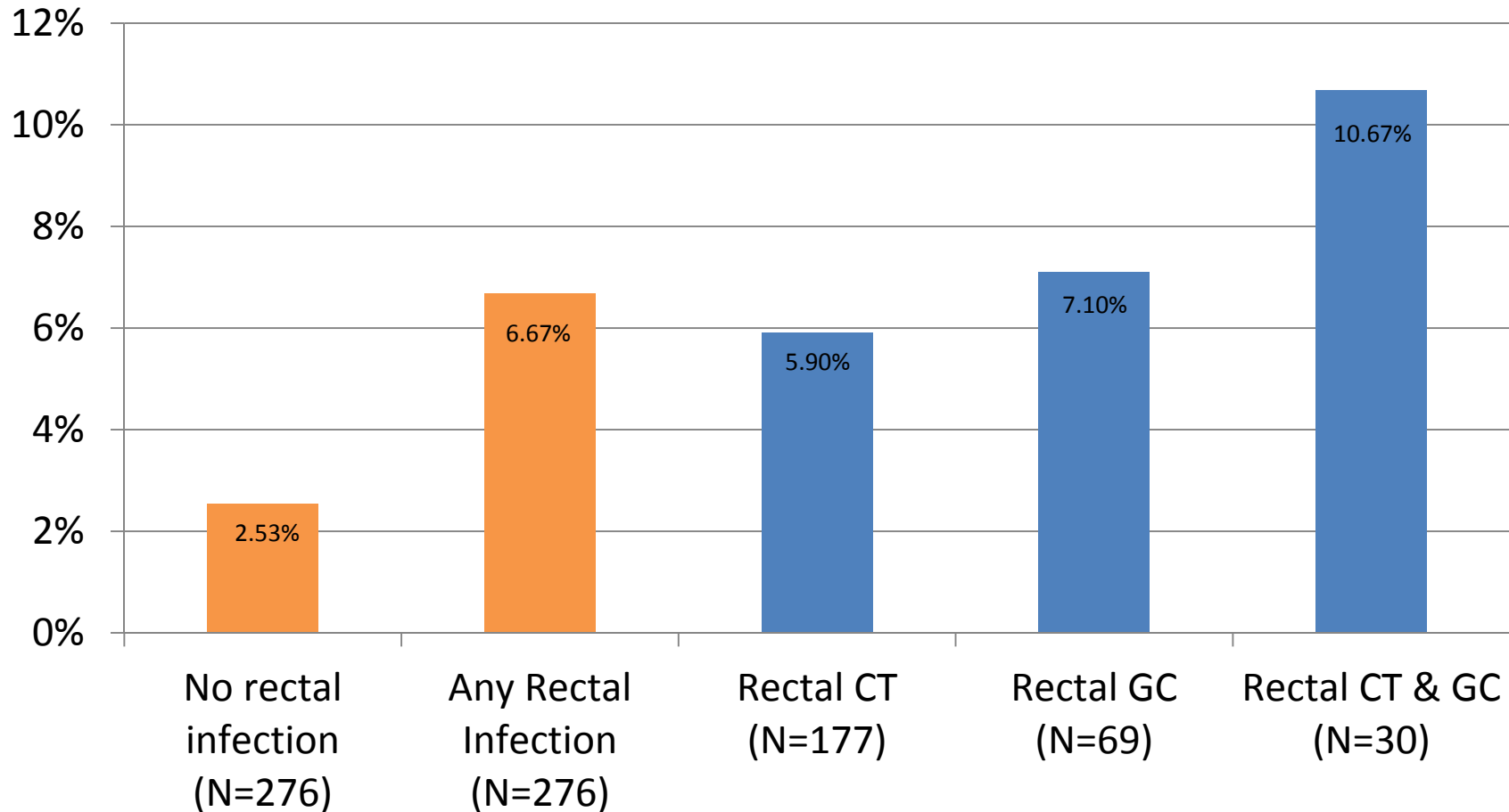
*Primary, Secondary & Early Latent as of 4/30/14



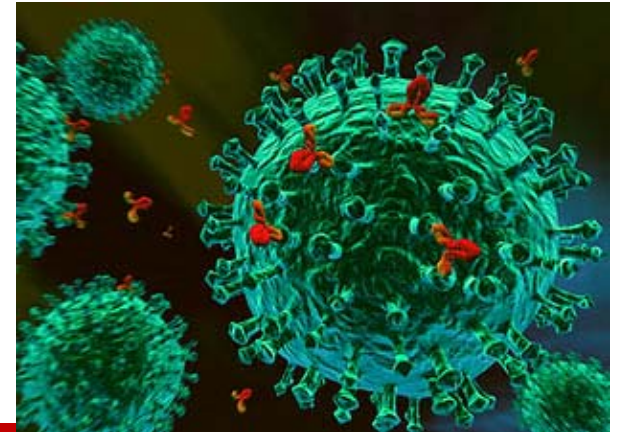
Let's talk about it **OC**

Annual HIV Incidence Among MSM at NYC STD Clinics, by STD status, 2008-2010

1 in 15 MSM with rectal infections was diagnosed with HIV within a year.



How Does STD Infection Increase Risk of HIV Transmission?



If HIV+:

- Inflammatory conditions increase viral load in secretions, even if blood levels are suppressed
- Virus can be cultured from genital ulcers

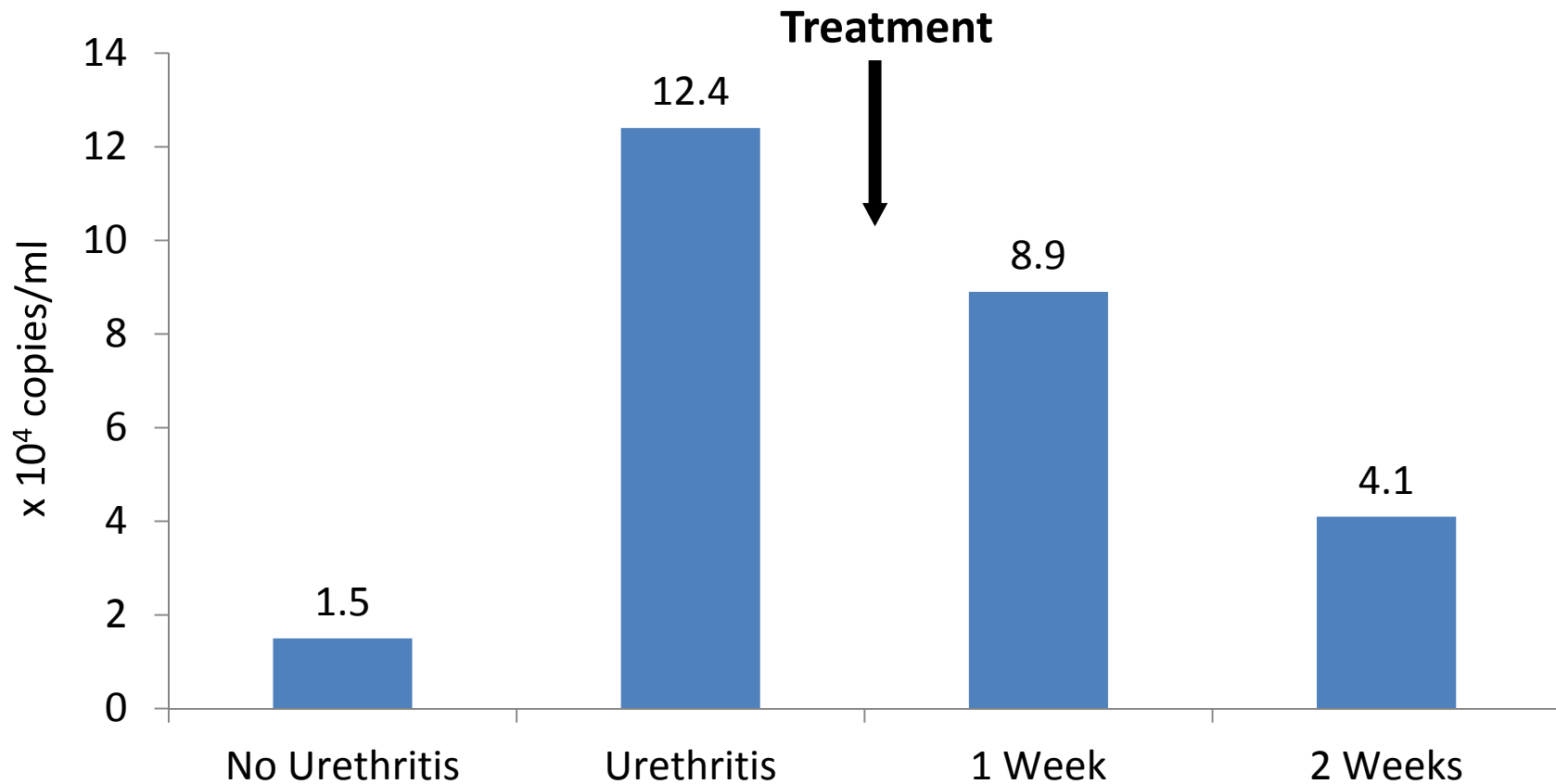
If you are HIV-:

- Breaks in epithelial barrier allow viral access
- Inflammation increases number and receptivity of target cells

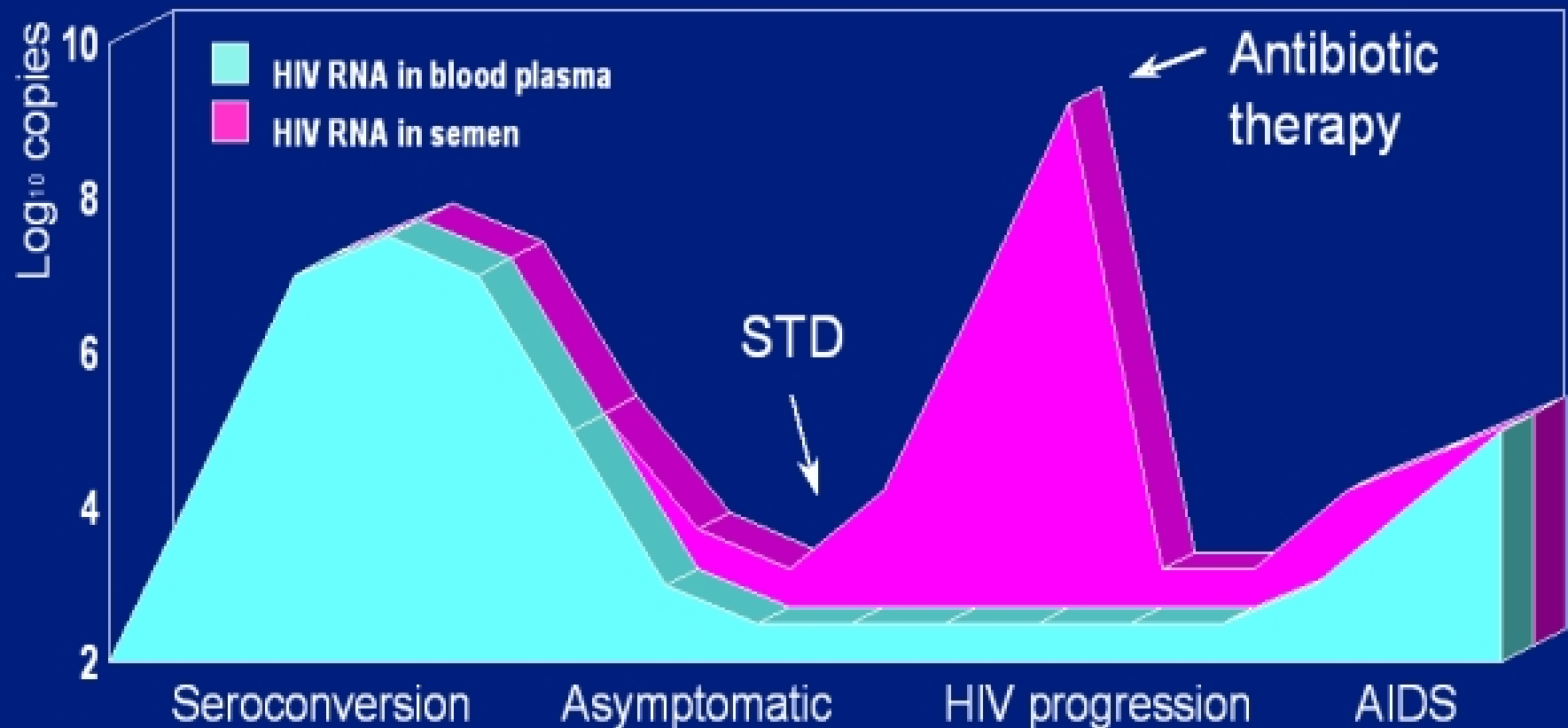


Let's talk about it **OC**

HIV viral load in semen among 135 HIV-infected men in Malawi w/ and w/o urethritis



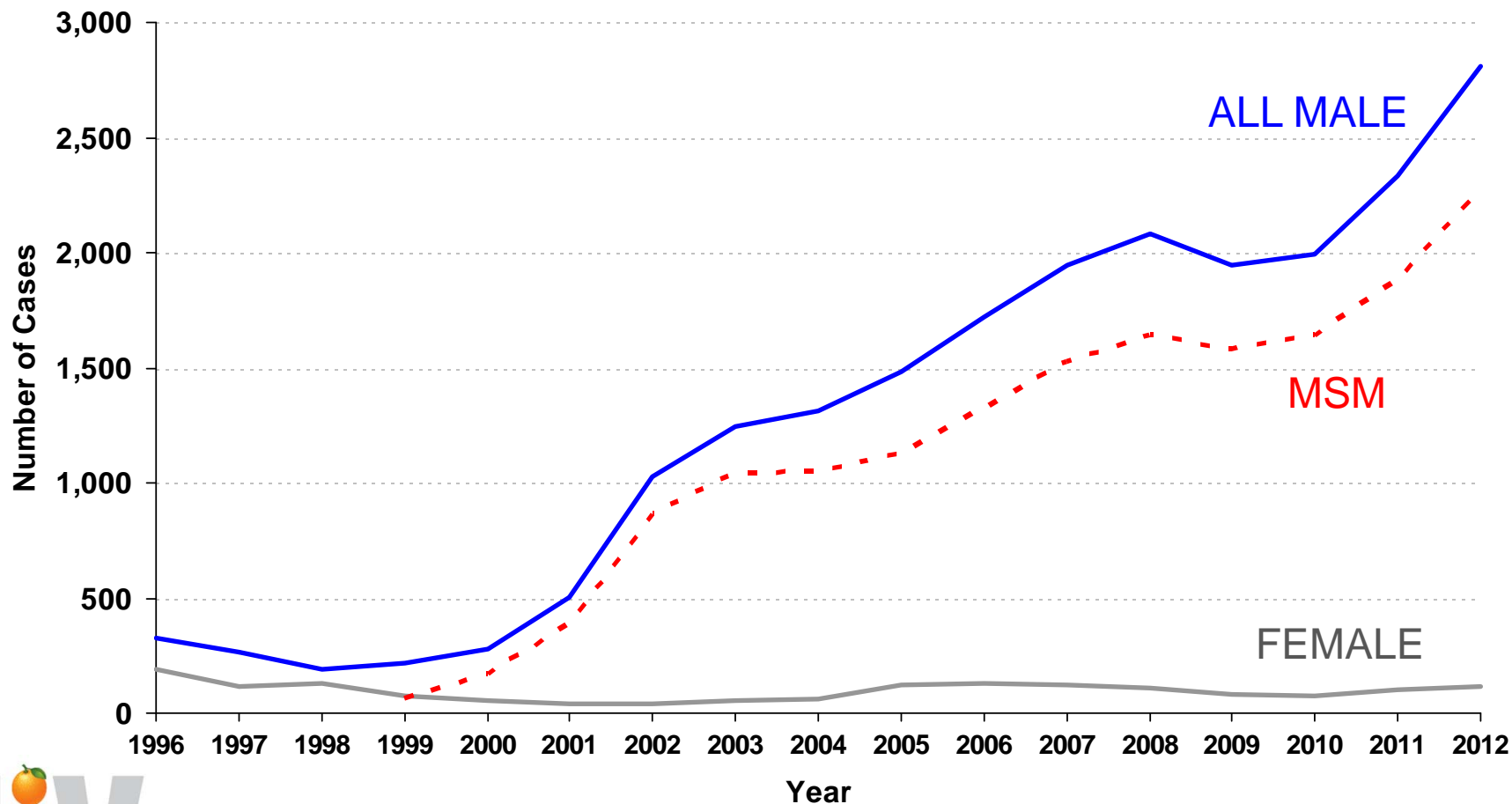
Hypothetical model of impact of STD on HIV genital shedding in men



From ISSTD, Seville 1997; M. Cohen, plenary presentation

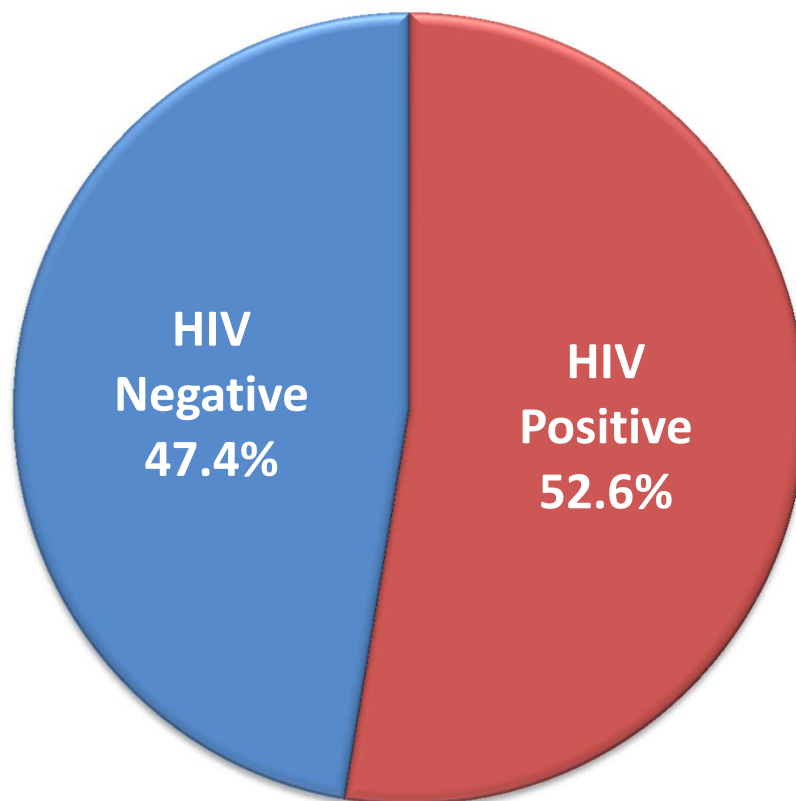
HIV/AIDS/STI Initiative

Primary & Secondary Syphilis, Cases by Gender California, 1996–2012



HIV Status among Interviewed MSM Primary & Secondary Syphilis Cases, California, 2012

(N=1,891)



Let's talk about it **OC**

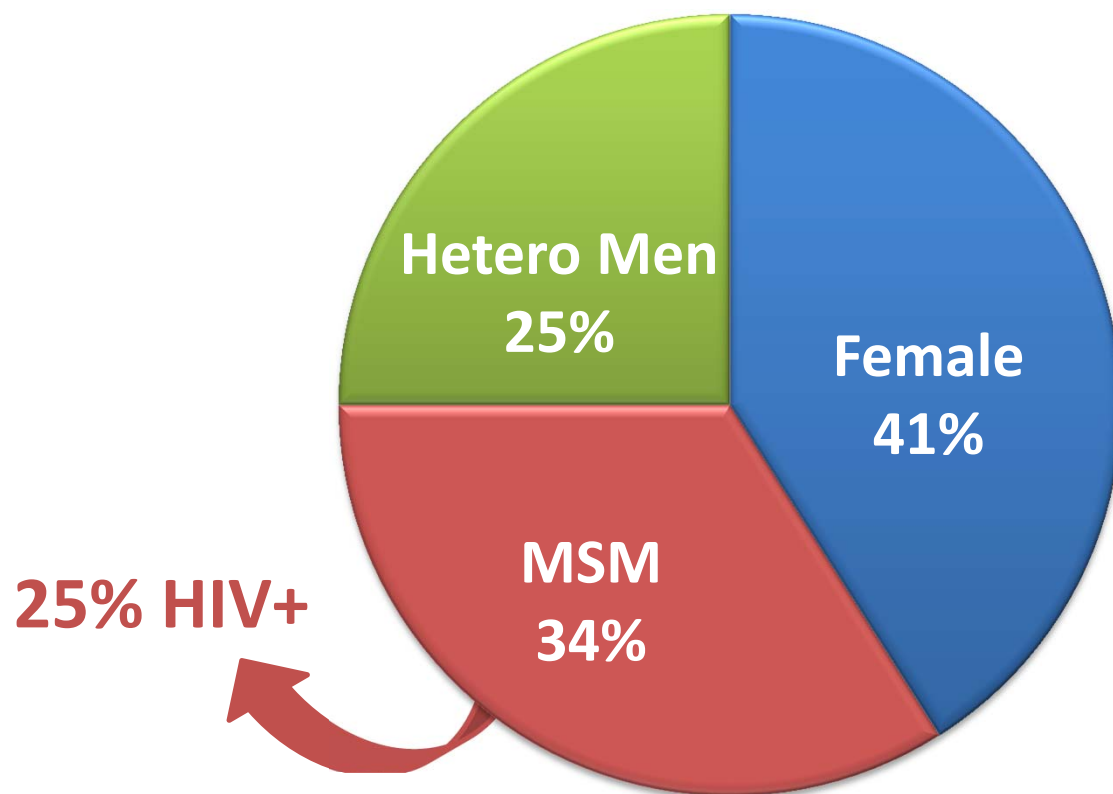
Note: N does not include HIV status unknown or refused: 116 cases in 2012.

Multi-drug-resistant Gonorrhea: an Emerging Threat



Let's talk about it **OC**

Cases by Gender/Sexual Orientation, California Gonorrhea Surveillance System, 2012



Let's talk about it **OC**

Targeting HIV Testing to Highest Risk

HIV Testing in STD-infected patients:

- STD infection is a marker for HIV risk
- High rates of co-infection
- CDC recommends HIV testing for all patients w/ STD
- CDC recommends Partner Services for all patients w/ STD



Let's talk about it **OC**

HIV & STDs in Orange County, 2013

Partner Services Team

- Colleen Brody, Program Supervisor
 - Disease Intervention Specialists (8.0 FTE)
 - HIV/Syphilis – 144 index cases per year per FTE
 - Gonorrhea/Chlamydia – 240 index cases per year per FTE

Disease Burden

| | | |
|-------------|-------|--------|
| ▪ HIV | 275 | 2 FTE |
| ▪ Syphilis | 308* | 2 FTE |
| ▪ Gonorrhea | 1,454 | 6 FTE |
| ▪ Chlamydia | 8,588 | 23 FTE |

*Primary, Secondary & Early Latent as of 4/30/14



Let's talk about it **OC**

Questions?

Marc Meulman, MPA

Division Manager, Disease Control & Epidemiology

mmeulman@ochca.com

(714) 834-8025



Let's talk about it **OC**