What Will It Take to Optimize TasP, Achieve 90-90-90, and Control HIV

K. Rivet Amico, PhD
University of Michigan
2 October 2015
What Will It Take to Optimize TasP, Achieve 90-90-90

Know your epidemic
What Will It Take to Optimize TasP, Achieve 90-90-90

Know your epidemic
Know your epidemic

Population
Hot spots
What Will It Take to Optimize TasP, Achieve 90-90-90

Local
Know your outcomes
- Population
- Hot spots
- Cascade
- Gaps
- Successes
Know your communities

- Population
- Hot spots
- Cascade
- Gaps
- Successes
- Reasons why
- Recommendations

What Will It Take to Optimize TasP, Achieve 90-90-90
Smart, local efforts

What Will It Take to Optimize TasP, Achieve 90-90-90

Facilitators
Barriers
Needs
Recommendations
Engagement

Gaps
Successes

Needs
Actions
Implementation
Evaluation

CONTROLLING THE HIV EPIDEMIC WITH ANTIRETROVIRALS
Having the Courage of Our Convictions
However, until we are 100-100-100, we need to remain committed to HIV negative at-risk individuals
What Will It Take to ... Control HIV

- Circulating Virus
- Viral Presence
- Viral Entry
- Viral Infection

CONTROLLING THE HIV EPIDEMIC WITH ANTIRETROVIRALS
Having the Courage of Our Convictions
What Will It Take to ... Control HIV

- **Eliminate Virus in community** High uptake of testing; high/complete levels of durable viral suppression; CVL, test, link, treat, retain
- **Eliminate Proximal Virus** Know partner status; couples testing; 4th generation tests; Durable viral suppression in HIV positive partner(s); Status discussions
- **Prevent Viral Entry** Barrier method(s)- condom; alternatives to penetrative sex; sexual positioning; treatment of STIs; minimize abrasive (dry) sex
- **Prevent Establishment of Viral Infection** PEP, PrEP

**Circulating Virus**

**Viral Presence**

**Viral Entry**

**Viral Infection**

CONTROLLING THE HIV EPIDEMIC WITH ANTIRETROVIRALS
Having the Courage of Our Convictions
What Will It Take to ... Control HIV

- **Eliminate Virus in community**: High uptake of testing; high/complete levels of durable viral suppression; CVL, test, link, treat, retain
- **Eliminate Proximal Virus**: Know partner status; couples testing; 4th generation tests; Durable viral suppression in HIV positive partner(s); Status discussions
- **Prevent Viral Entry**: Barrier method(s)- condom; alternatives to penetrative sex; sexual positioning; treatment of STIs; minimize abrasive (dry) sex
- **Prevent Establishment of Viral Infection**: PEP, PrEP

**Circulating Virus**

**Viral Presence**

**Viral Entry**

Factors:
- Depression
- Violence
- Caring relationships
- Safety
- Stigma
- Trauma
- Discrimination
- Employment
- Substance use
- Access to education
- Poverty
- Gender dynamics
- Hunger
- Housing
- Caring relationships
- Safety
- Stigma
- Trauma
- Discrimination
- Employment
- Substance use
- Access to education
- Poverty
- Gender dynamics
- Hunger
- Housing
What Will It Take to …Control HIV… interrupt and disrupt infection cascade

Viral Infection

Viral Presence

Viral Entry

Circulating Virus

**TasP**

**Prevention Packages**

CONTROLLING THE HIV EPIDEMIC WITH ANTIRETROVIRALS
Having the Courage of Our Convictions
What Will It Take to Optimize TasP, Achieve 90-90-90, and Control HIV?

Smart, data advised, community driven efforts to implement TasP and Prevention Packages together