

# 90-90-90 Targets Workshop

July 22-23, 2017 • Paris

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#### Beyond Antiretrovirals: Socialbehavioral Science for Attaining 90-90-90

K Rivet Amico University of Michigan

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# Disclosures

- Educational grant from Gilead Sciences for PrEP awareness media development through University of Michigan
- PrEP advisory meeting Gilead Sciences 2017

## Social-Behavioral Science

"...focus on the understanding of **behavioral or social processes**, or on the use of these processes to **predict** or **influence** health outcomes or health risk factors."



NIH OBSSR.BSSR definition. 2010. Available at: https://obssr.od.nih. gov/about-us/bssr-definition/. Accessed June 1, 2016.; Stirratt IMPAACT 2017

#### The Roles of Behavioral and Social Science Research in the Fight Against HIV/AIDS: A Functional Framework

Paul Gaist, PhD, MPH\* and Michael J. Stirratt, PhD†

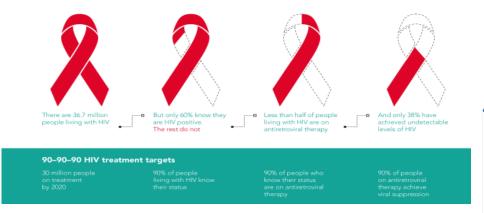


Understanding vulnerable population and risk settings

# Reaching 90-90-90

We know our goals; We have a deadline

#### 90-90-90: Treatment for all

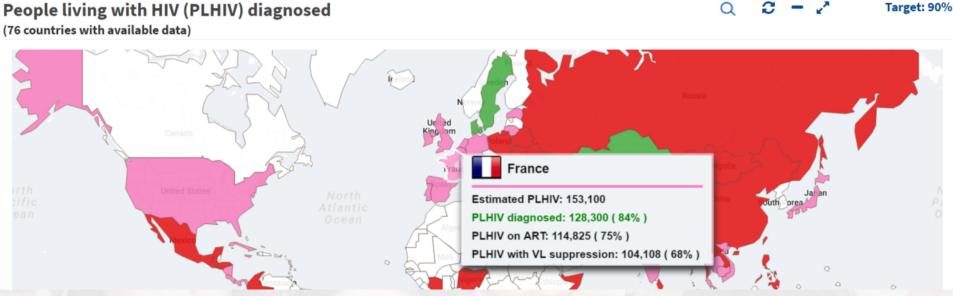




# Reaching 90-90-90

- We know our goals; We have a deadline
- We have tools to succeed [testing, ART]
- We have tools to monitor progress

# Targets- Distal Goal(s)



Projected numbers as of Sunday, July 23, 2017 12:17:25 AM 🚯

AIDS related-deaths in 2016

1, 554, 681

New HIV Infections in 2016

3, 264, 212

People receiving ART

20,094,504

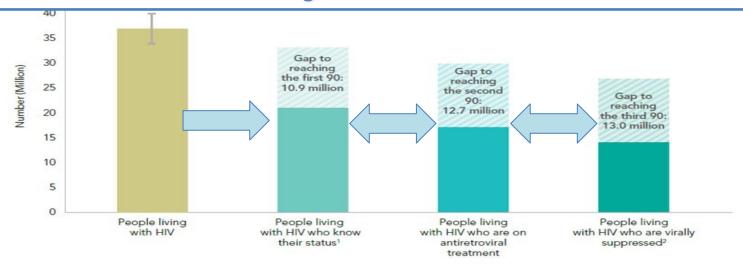
People living with HIV

37, 788, 311

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#### Social Behavioral Science

Helps evolve understanding gaps, why they persist and how to create bridges of relevance and meaning to communities that use them.



<sup>1 2015</sup> measure derived from data reported by 87 countries, which accounted for 73% of people living with HIV worldwide.

Source: UNAIDS special analysis, 2016; for more details, see annex on methods.

<sup>&</sup>lt;sup>2</sup> 2015 measure derived from data reported by 86 countries. Worldwide, 22% of all people on antiretroviral therapy were reported to have received a viral load test during the reporting period.

# Reaching 90-90-90

- Gaps and strategies that have bridged transitions between the 90s
- Call for combination support packages, differentiated care, and going local



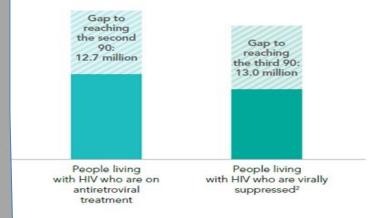
#### 90-90-00

#### scade, global, 2015

#### **CHALLENGES**

- Inconvenience
- Cost
- Confidentiality
- Non-affirming services
- Discrimination/Stigma
- Low risk perception
- Fear of results

Source: UNAIDS spec



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#### 90-90-04

#### **CHALLENGES**

- Inconvenience
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- Fear of results

Source: UNAIDS spec

- Testing as standard procedures
- In-community HIV testing
  - Same-day /Mobile
  - Door-to-door (PopART)
- Home-based/couples
- Self-testing
  - Wrap around/responsive care
- Efforts to decrease stigma, poverty, violence, discrimination

**90-90-90** Targets Workshop Tour

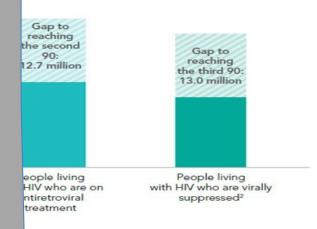
#### 90-90

#### CHALLENGES

- Long pre-ART period
- Confidentiality
- Abandonment
- Adjustment to dx
- Drug/alcohol use/MH
- Mistrust
- Stigma, discrimination
- Delays in Rx

Source: UNAIDS special analysis,

#### e, global, 2015



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#### 90-90

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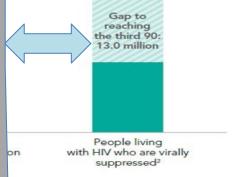
- Red carpet programs
- Navigators/linkage specialists
- Peer/CHW

- Affirming care centers
- De-centralized care
- Task shifting/relief care systems

#### 90-90-90 tar

#### obal, 2015





ring with HIV worldwide. etroviral therapy were reported to have

Source: UNAIDS special analysis, 2016; for more details, see and

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Source: UNAIDS special analysis, 2016; for more details, see and

received a viral load to

- Adherence groups
- Adherence support
  - Education (ART)
  - Problem solving
  - Motivation
  - Peer support
  - Adherence monitoring
  - eHealth/mobile health
- Clinician training
- Outreach reengagement
- Data 2 care
- Retention awareness

# A robust package of intervention strategies



• But outcomes in behavioral trials and across intervention studies are mixed... Amico et al 2006

Failing to find the one big fix?
Successfully finding there isn't one?

Amico et al 2006 Simoni et al 2006 Lyles et al 2007 AJPH Fogarty et al 2002 PEC Munro et al 2007 BMC Combination SUPPORT Packages should include diverse, differentiated strategies to support uptake, use and engagement





# GO LOCAL TO REACH GLOBAL TARGETS

# Local, group, community Level

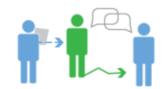
#### **NEEDS ASSESSMENT PROCESS AND TOOLS**

#### **DATA ANALYSIS**



Analyzing data on usage, satisfaction, and trends to assess future needs

# INTERVIEWS & OBSERVATIONS



Guided conversations with users & first-hand observations of how they use spaces

#### **FOCUS GROUPS**



Interactive sessions to gather input on needs and validate data from other tools

#### **PERSONAS**



Creating portraits of representative users using motivations and behaviors

#### **USE CASE**



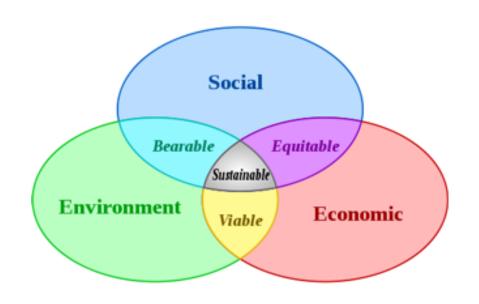
Stories of how a future space will be used -- who, where, why, and how

©brightspot strategy

# Reaching 90-90-90

All hands on deck

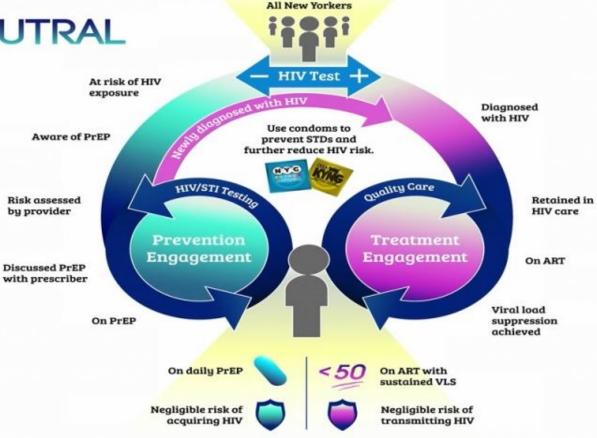
- Science
- Community
- Policy

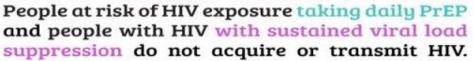


HIV STATUS NEUTRAL
PREVENTION
& TREATMENT

CYCLE

Aware of PTEP







### Thank you

#### Additional works used...

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