90-90-90 Targets Workshop

July 22–23, 2017 • Paris

Sponsored by

International Association of Providers of AIDS Care

In partnership with

Global Network of People Living with HIV

UNAIDS
Beyond Antiretrovirals: Social-behavioral Science for Attaining 90-90-90

K Rivet Amico  
University of Michigan
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

Improve behavioral/social risk factors

Strengthen product development/trials

Effective implementation

HIV/AIDS PREVENTION, CARE, and CURE
supported by four BSSR foundations

Elemental BSSR
Supportive BSSR
Integrative BSSR

Basic BSSR

Understanding vulnerable population and risk settings
Reaching 90-90-90

• We know our goals; We have a deadline

90–90–90: Treatment for all

90–90–90 HIV treatment targets
- 30 million people on treatment by 2020
- 90% of people living with HIV know their status
- 90% of people who know their status are on antiretroviral therapy
- 90% of people on antiretroviral therapy achieve viral suppression

Countdown to 2020

3 Years
5 Months
9 Days
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)

People living with HIV (PLHIV) diagnosed
(76 countries with available data)

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

<table>
<thead>
<tr>
<th>AIDS related-deaths in 2016</th>
<th>New HIV Infections in 2016</th>
<th>People receiving ART</th>
<th>People living with HIV</th>
</tr>
</thead>
<tbody>
<tr>
<td>1,554,681</td>
<td>3,264,212</td>
<td>20,094,504</td>
<td>37,788,311</td>
</tr>
</tbody>
</table>

France

Estimated PLHIV: 153,100
PLHIV diagnosed: 128,300 (84%)
PLHIV on ART: 114,825 (75%)
PLHIV with VL suppression: 104,108 (68%)
Social Behavioral Science
Helps evolve understanding gaps, why they persist and how to create bridges of relevance and meaning to communities that use them.

1 2015 measure derived from data reported by 87 countries, which accounted for 73% of people living with HIV worldwide.
2 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.

Source: UNAIDS special analysis, 2016; for more details, see annex on methods.
Reaching 90-90-90

• Gaps and strategies that have bridged transitions between the 90s

• Call for combination support packages, differentiated care, and going local
CHALLENGES

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

Source: UNAIDS speaker
CHALLENGES

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

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
CHALLENGES

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

Source: UNAIDS special analysis, 2015
CHALLENGES
- Long pre-ART period
- Confidentiality
- Abandonment
- Adjustment to dx
- Drug/alcohol use/MU
- Mistrust
- Stigma, discrimination
- Delays in Rx
- Red carpet programs
- Navigators/linkage specialists
- Peer/CHW
- Affirming care centers
- De-centralized care
- Task shifting/relief care systems

Source: UNAIDS special analysis, 2015
CHALLENGES

- Lifelong
- Confidentiality
- Drug/alcohol use/MH
- Mistrust
- Neg experiences at care
- Stigma, discrimination
- Competing priorities
- Unresponsive care

90–90–90 targets global, 2015

Source: UNAIDS special analysis, 2016; for more details, see aids-data.org
CHALLENGES

- Lifelong
- Confidentiality
- Drug/alcohol use/MH
- Mistrust
- Neg experiences at care
- Stigma, discrimination
- Competing priorities
- Unresponsive care

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

Source: UNAIDS special analysis, 2016; for more details, see annex A.
A robust package of intervention strategies

• But outcomes in behavioral trials and across intervention studies are mixed...

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.
Combination Packages
One strategy will not fit everyone’s needs

Differentiated
Not everyone is in need of a strategy/program
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

Makkar and Ankers, 2014
NEW YORK CITY’S HIV STATUS NEUTRAL PREVENTION & TREATMENT CYCLE

All New Yorkers

At risk of HIV exposure

Aware of PrEP

Risk assessed by provider

Discussed PrEP with prescriber

Prevention Engagement

Newly Diagnosed with HIV

Use condoms to prevent STDs and further reduce HIV risk.

HIV/STI Testing

Quality Care

Retention in HIV care

On ART

Viral load suppression achieved

Treatment Engagement

On ART with sustained VLS

Negligible risk of transmitting HIV

On daily PrEP

Negligible risk of acquiring HIV

People at risk of HIV exposure taking daily PrEP and people with HIV with sustained viral load suppression do not acquire or transmit HIV.
Thank you
Addiitonal works used...


