90-90-90 Targets Update

July 21, 2019 • Mexico City

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Urban-Level 90-90-90 Targets: Progress and Experience from Thailand

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Professor Emeritus, Faculty of Medicine, Chulalongkorn University
Director, the Thai Red Cross AIDS Research Centre
Thailand Treatment Cascade: 2017

1st 90
- 98% of all people living with HIV will know their HIV status

2nd 90
- 70% of all people diagnosed with HIV will receive sustained antiretroviral therapy

3rd 90
- 83% of all people receiving antiretroviral therapy will have viral suppression

Bangkok: 91 70 76

We still need to do more to find those who are not yet diagnosed

• The strategies of the Thai Red Cross AIDS Research Centre in reaching difficult-to-reach populations (key population) for HIV testing, prevention and care in Bangkok
  o Men’s (MSM) health clinic using anal Pap smear as induction
  o Transgender health clinic (Tangerine Clinic) using sex hormones monitoring as induction
  o Key population-LED health services (KPLHS) using key population as induction
Using Anal Pap and STI service as entry point for HIV testing for MSM: Example of PICT

• Among 1,429 MSM clients in 2009
  o 52% known HIV+ve, 35% known HIV-ve, &13% never tested

<table>
<thead>
<tr>
<th>Previous HIV status</th>
<th>STI MSM clients</th>
<th>Anal Pap MSM clients</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>HIV-ve</td>
<td>Unknown</td>
</tr>
<tr>
<td>Acceptance of HIV testing</td>
<td>34%</td>
<td>98%</td>
</tr>
<tr>
<td>% tested +ve for HIV</td>
<td>8%</td>
<td>13%</td>
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Using screening for anal pre-cancerous lesions as “entry point” for HIV testing
“Tangerine Community Health Center”: Trans-led, integrated, hormone and sexual health services

“At the Thai Red Cross Tangerine Community Health Center, we are committed to provide highest attainable standard of health in affordable and accessible manners for all transgender people with respect to their rights to health and human dignity.”

Professor Emeritus Prapan Phanuphak, M.D., Ph.D.  
Director, The Thai Red Cross AIDS Research Centre, November 27, 2015
Tangerine Clinic clients, up to December 2018 (3 yrs.)

2,038 transgender women clients

1,886 received HIV testing

227 tested HIV-positive

22% PrEP users

12% PEP users

1,041 received Syphilis testing

144 tested Syphilis reactive

51% Syphilis testing

93% received hormone services

12% did not receive hormone services

Subsequent visits

44% received hormone services

34% did not receive hormone services

Repeat HIV testing

32% received hormone services

24% did not receive hormone services

Repeat Syphilis testing

26% received hormone services

16% did not receive hormone services

Received PrEP

12% received hormone services

7% did not receive hormone services
KP-led health services: Differentiated service delivery along the Reach-Recruit-Test-Treat-Prevent-Retain cascade

42% of MSM & TGW tested for HIV nationwide in 2016

35% of MSM & TGW newly diagnosed HIV cases nationwide in 2016

55% of Thai PrEP users by December 2018

received services at 7 community health centers
Same-Day ART Initiation to improve the 2nd 90

Newly diagnosed OR Re-engaged patients

The Thai Red Cross Anonymous Clinic
ART initiation hub (2-10 weeks)

First Visit
Initiate linkage to care process
Follow-up Visit

Transferred hospitals
Same-Day ART: Time to ART initiation

Source: Same-Day ART database, Thai Red Cross Anonymous Clinic (July 2017-April 2019).
Same-Day ART: Retention and viral load suppression

Source: Same-Day ART database, Thai Red Cross Anonymous Clinic (July 2017-April 2019).

Month 6:
- Retained in care (n=1,630): 90.2%

Month 12:
- Retained in care (n=1,005): 95.1%
- VL <50 copies/mL (n=585): 89.7%
Thailand’s PrEP Programs

iPrEX showed 44% prevention efficacy among MSM with daily TDF/FTC.

PrEP-30 at TRCARC

The 1st Test & Treat project in MSM and TGW in 4 provinces

Princess PrEP

The first key population-led PrEP initiative under the royal patronage

- Use Thai Red Cross public donation fund and USAID LINKAGES funding to scale-up KP-led PrEP services in CBOs
- Aims to serve 1,000 PrEP users per year for 3 years
- Started with MSM and TGW, being expanded to FSW and PWID
- Will focus more on 15-19 years old in FY2018

PrEP will be included in Thailand UHC starting October 2019
Key Population-Led Same-Day PrEP Services

1. Behavioral questionnaire
2. Risk assessment and PrEP counseling process
3. Willing to take PrEP
4. Not willing to take PrEP
5. Blood collection for creatinine and HBV antigen testing
6. HIV testing
7. More details on PrEP
8. Start ART immediately
9. Routine appointment (at least 6-monthly HIV testing)
10. CrCl >60 mL/min
   - Provide a bottle of PrEP to start
   - Continue PrEP
11. CrCl <60 mL/min
   - Discontinue PrEP
12. Referral to renal doctor, consider re-screening for PrEP, and at least 6-monthly HIV testing
13. Month 1, month 3 and quarterly follow up
Princess PrEP, dispensed through KPLHS (as of June 12, 2019)

3,990
PrEP beneficiaries by populations

67.4%
Have multiple partners

46.2%
Inconsistent condom use

17.6%
In a serodiscordant relationship

10.5%
Previously diagnosed with STI

57.4%
Partners with unknown HIV status

15% TGW

0.7% FSW

0.4% HIV-NEGATIVE IN SERODISCORDANT RELATIONSHIP

84% MSM

2,779
BANGKOK

229
SONGKHLA

500
CHIANG MAI

441
CHONBURI

56
CHIANG RAI

15
UBON RATCHATHANI

3,990
PrEP beneficiaries by provinces
Thailand’s PrEP Programs

UNAIDS Goodwill Ambassador for HIV Prevention in Asia-Pacific (2019-2020)

Trained KP lay providers dispense free PrEP from the Princess Soamsawali Prevention Fund, covering half of all current PrEP users

Only 6% receiving PrEP

National PrEP target 127,103

Cumulative number of Thai PrEP users


- PrEP-30/PrEP-15
- Princess PrEP
- National PrEP database
Challenges in ending AIDS in Bangkok

• Most innovative work in BKK and most of the BKK data came from NGO (TRCARC, SWING, RSAT) which is only a small fraction of the overall healthcare facilities in Bangkok (BMA clinics & hospitals, central government hospitals, university and private hospitals) which means **still a lot more can be done.**

• But, it has not been done or rapidly done, WHY ??
  - City politicians seem to be committed but their first and second management levels do not follow it through either because they are too busy or afraid to work hard (since it is 12 years far away) and they are not made accountable to either by their boss or by the central government (since politicians will come and go).
  - Too many players or TA’s in BKK with conflicting interest and territory and no ‘CHIEF’ wants to nail it down because of ‘threat’ by the imperial player.
Acknowledgements