

Thai experience with PrEP trials and demonstration projects

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**PrEPARING ASIA: A new direction for
HIV prevention among MSM in Asia**

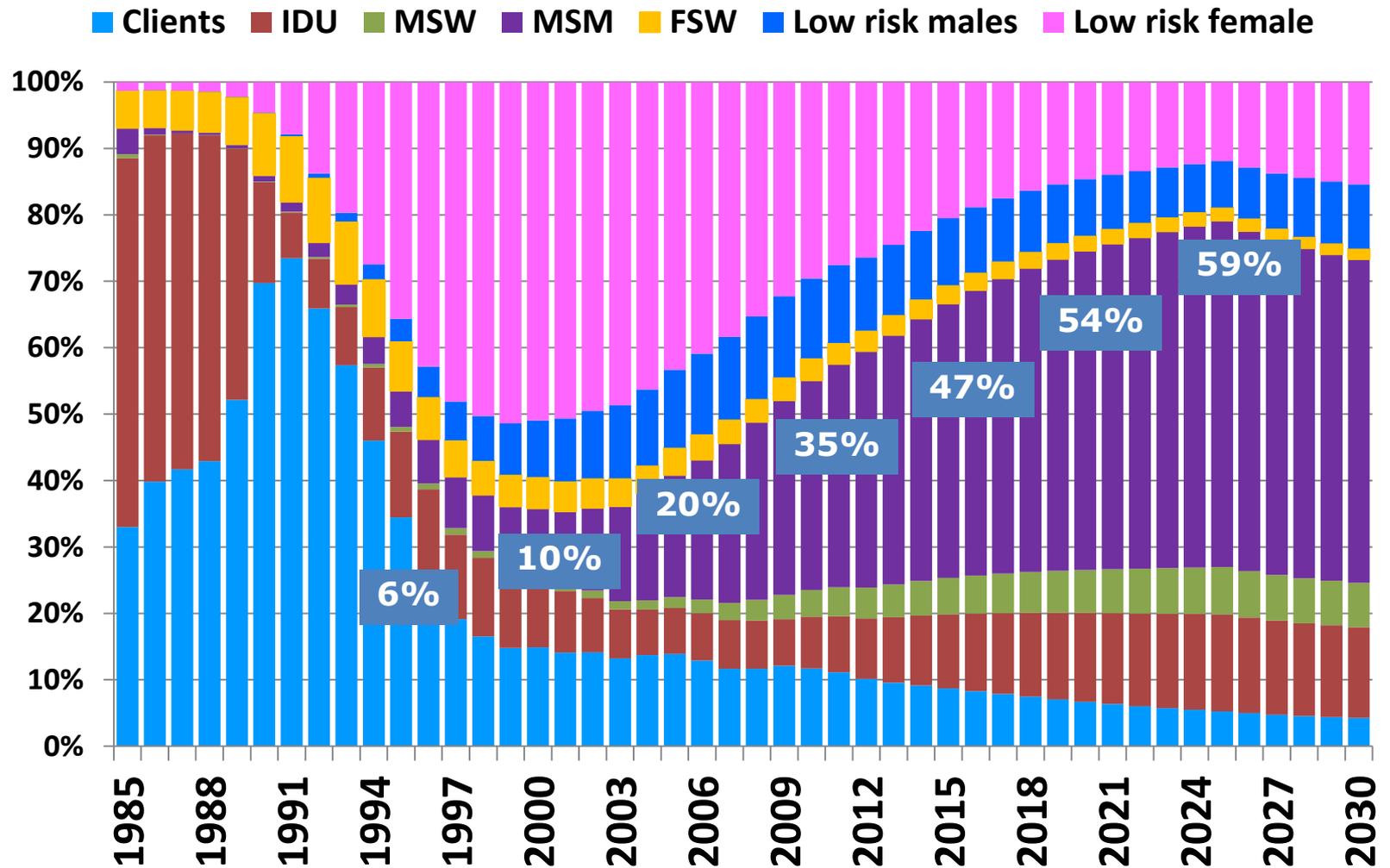
Regional Consultation, 23 September 2015, Bangkok



Topics

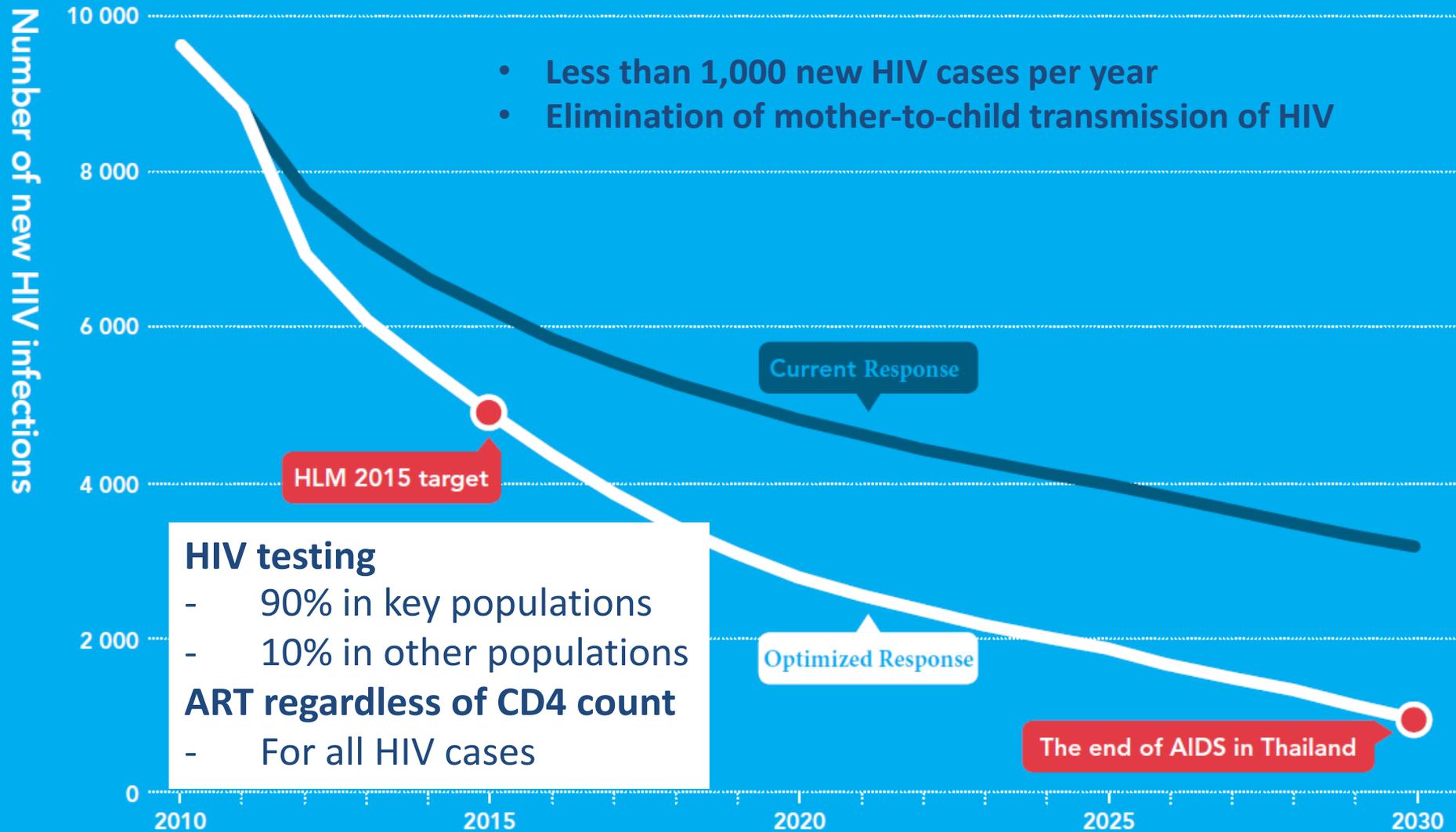
- Key populations in Thailand
- The need for PrEP as part of the combination HIV prevention package among MSM/TG
- Community-based and facility-based PrEP demonstration project
- PrEP-30 service
- Future plan

Increasing proportion of new HIV infections in Thailand from MSM over time



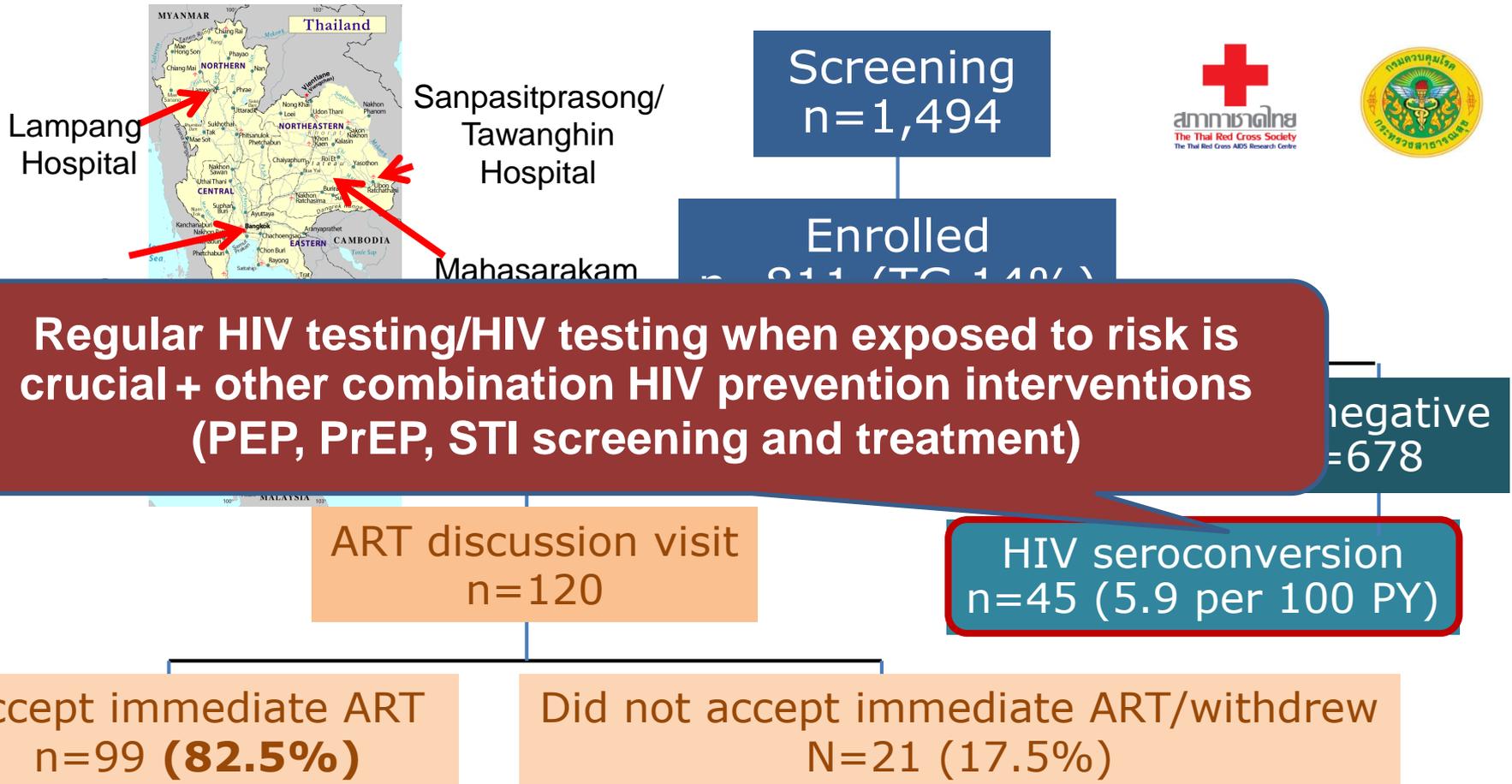
Ending the AIDS epidemic in Thailand

Thailand can achieve HLM targets and move towards being the first country to end AIDS



Thai MSM/TG Test and Treat study

November 2012 – March 2015



60% of HIV-positives and 27% of HIV-negatives had at least 1 STI

- Detectable "HIV RNA in semen" was associated with gonorrhea
- Detectable "HIV RNA in rectum" was associated with rectal chlamydia

Thai MSM/TG Test and Treat Study and PrEP Substudy

- 2014-2016: Test the **community-based model** (in drop-in centers, n=6,000) vs. **facility-based model** (in hospitals, n=2,000) and to study **costing**
- Integration of **PrEP** into these models (PrEP is now recommended in the 2014 Thailand National Guidelines on HIV/AIDS Treatment and Prevention)



Thai MSM/TG Test and Treat Study and PrEP Substudy

RSAT Bangkok 2,500
SWING Bangkok 600
SWING Pattaya 650
Sisters Pattaya 650
Caremat Chiang Mai 1,200
RSAT Hat Yai 400

Drop-in centers
n=6,000

Enrollment: Started in May 2015
Follow-up: 12-month free PrEP + 6-month PrEP for fee

Lerdsin Hospital (Bangkok) 600
Thammasat Hospital (Pathumthani) 400
Khon Khaen Hospital 300
Srinagarind Hospital (Khon Khaen) 300
Udonthani Hospital 400

Facility-based
n=2,000

PrEP = 300
Bangkok (MSM/MSW) and
Pattaya (MSW, TG, TGSW)

98 enrolled for
Test & treat

HIV test

14 HIV +

84 HIV neg

32% enrollment rate

27 enrolled in PrEP

21 now on PrEP

PrEP = 300
Bangkok and
Pathumthani

Community Engagement

- Engagement of CBOs and other local stakeholders in Bangkok and Pattaya for PrEP studies
- Community Advisory Board formed during PrEP community forum



PrEP-30 service at Thai Red Cross Anonymous Clinic

PrEP-30: a self-paid service (30THB per day) to increase awareness and access to PrEP among at-risk populations at TRC Anonymous Clinic

About PrEP-30



PrEP-30 is a service project at the **Anonymous Clinic, The Thai Red Cross AIDS Research Centre** offering PrEP for Thai and foreigners to provide "tenofovir/emtricitabine" or "TDF/FTC" (also sold under the brand name Truvada in western countries) for MSM as part of a combined HIV prevention program that includes counseling, HIV, Hepatitis B and Kidney testing, and the provision of condoms and lubricants under the fee of 30 Thai Baht (~1 USD) per day.

What is PrEP?

Criteria for PrEP-30

PrEP

ป้องกันได้ถึง 92 %

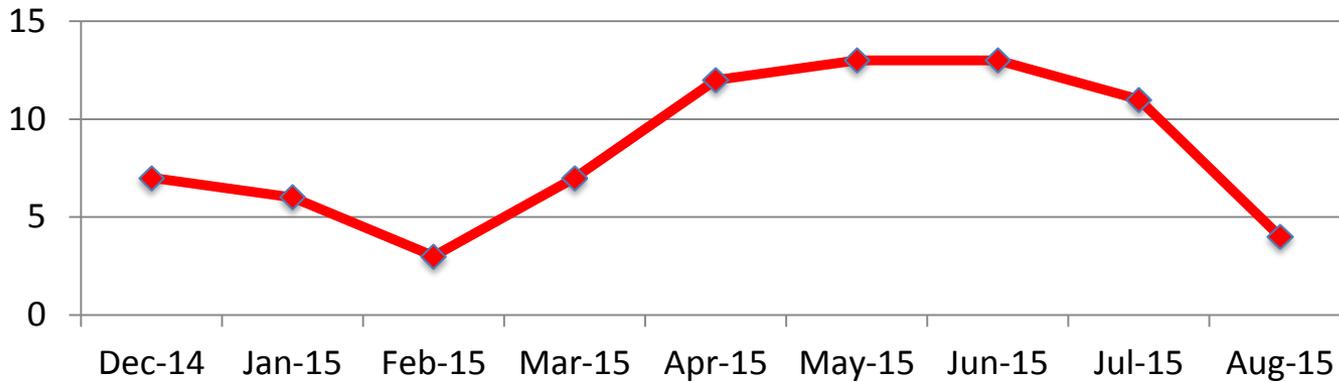
วันนี้คุณสามารถป้องกันตัวเอง จากการติดเชื้อเอชไอวีได้แล้ว ด้วย "ยาเพริพ" (PrEP) ความก้าวหน้าล่าสุดทางการแพทย์

By 92%... You can now prevent yourself from getting infected with HIV with PrEP, a latest advancement in medical science!

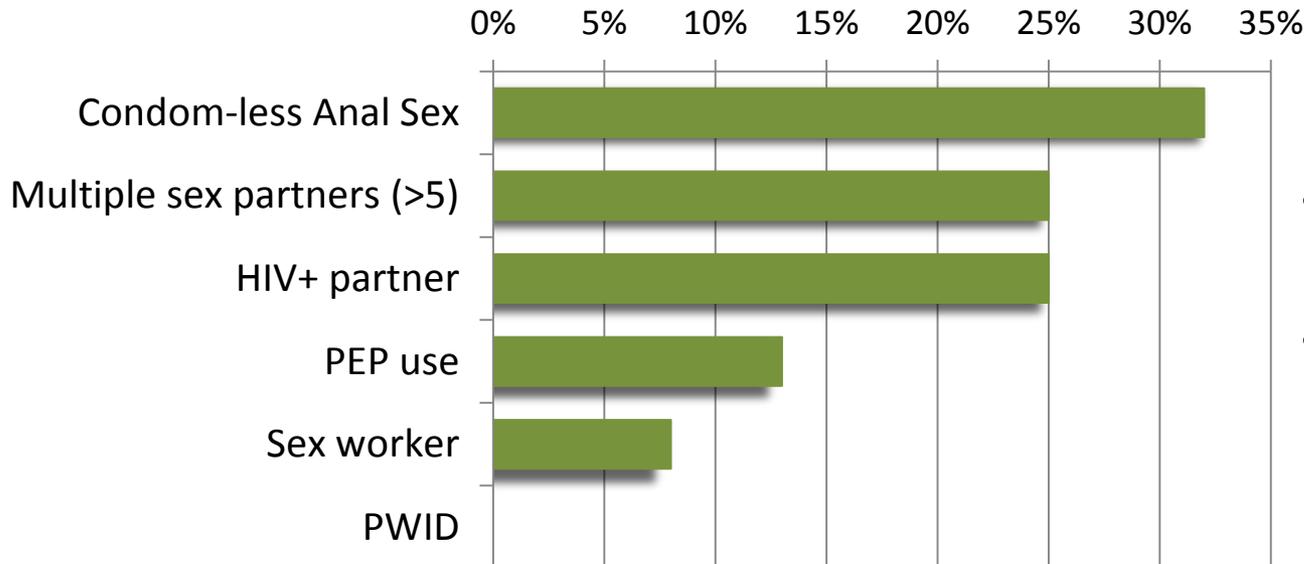
ถ้าคำตอบของคุณคือ "ใช่" ในข้อใดข้อหนึ่งตามคำถามด้านล่างนี้ ก็ ยาเพริพอาจเป็นตัวเลือกที่ดีสำหรับคุณ
If you answer "yes" to any of the questions below, PrEP may be right for you.



PrEP-30 clients



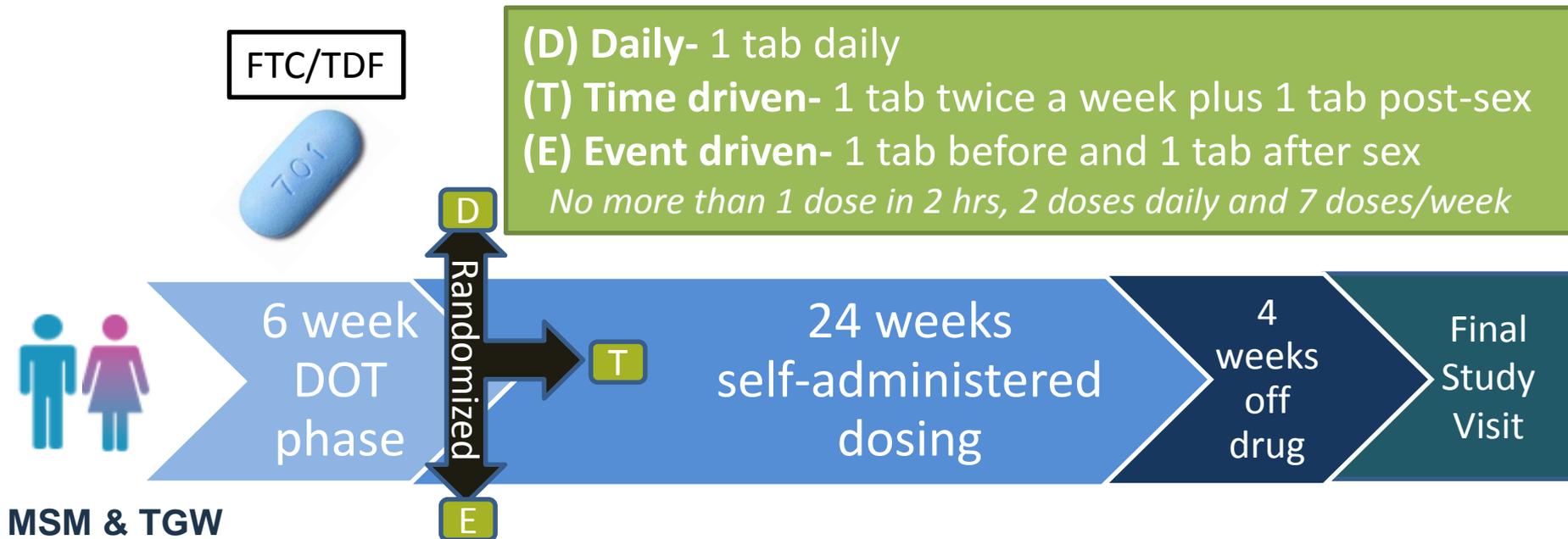
**Total n = 76
(provider
initiated
service and
Adam's Love)**



- Median age 32 years (range 20-64)
- 97% male, 89% MSM

HPTN 067: Bangkok Site

Wk 0 → Wk 34



From 07/12-08/13
 Randomized: 178
Qualitative:
32 FGD and 6 KII

Daily	Time driven	Event driven
Frequent sex, high risk	Infrequent sex	Infrequent sex
Inability to plan sex/ prefer not to plan for sex	No control over planning for sex	Have control over planning for sex
Best adherence	Slightly less adherence	Least adherence (post-sex dose)

HPTN 067 Conclusion: Bangkok Site

- Study results offer additional support for current guidelines for “daily dosing” among Thai MSM
- TFV drug detection in PBMCs was high (>85%) in all 3 arms → indicates feasibility of non-daily regimens in Thai MSM
- If shown to be effective, non-daily regimen could result in fewer tablets required and be another choice for Thai MSM who have infrequent sex events, capacity to plan for sex, and ability to take a post-sex dose

RO1 Effectiveness of combination HIV preventive interventions for young Thai MSM

- Johns Hopkins Bloomberg School of Public Health and the Thai MOPH-US CDC Collaboration (TUC)
- To develop and assess the effectiveness and cost-effectiveness of a combination HIV prevention intervention, with and without daily oral PrEP, among young MSM
- Population: 1,240 young MSM (620 on PrEP, 620 not on PrEP), aged 18-26, with current or recent history of selling sex to other men, recruited through venues and street-based outreach
- Formative assessment (Q4 2015 – Q2 2016) → Pilot implementation (Q3 – Q4 2016) → Implementation (Q1 2017 – Q3 2019)

Conclusions

- PrEP is a crucial component of combination HIV prevention package for MSM and TG in Thailand
- Both facility-based and community-based/led service delivery models are essential for MSM, MSW, TG, TGSW
- Collaborative efforts among various stakeholders are needed
- Demonstration projects and service delivery models are lacking for older adolescents
- Studies of innovative PrEP regimens are needed in this region

