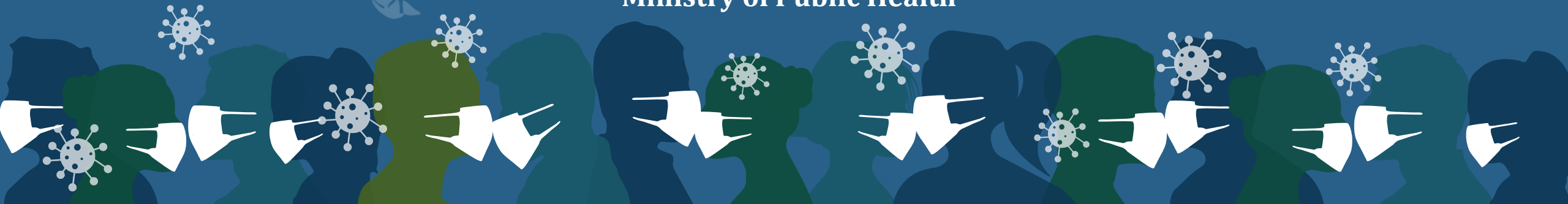


The background features a dark blue world map. Several white virus icons, consisting of a central circle with radiating lines, are scattered across the map. A dark blue horizontal band is positioned across the middle of the image, containing the main title in white text.

# Testing, a necessary step to ending HIV epidemic in Thailand

**Dr.Suchada Jiamsiri**  
Division of AIDS and STIs  
Department of Disease Control  
Ministry of Public Health

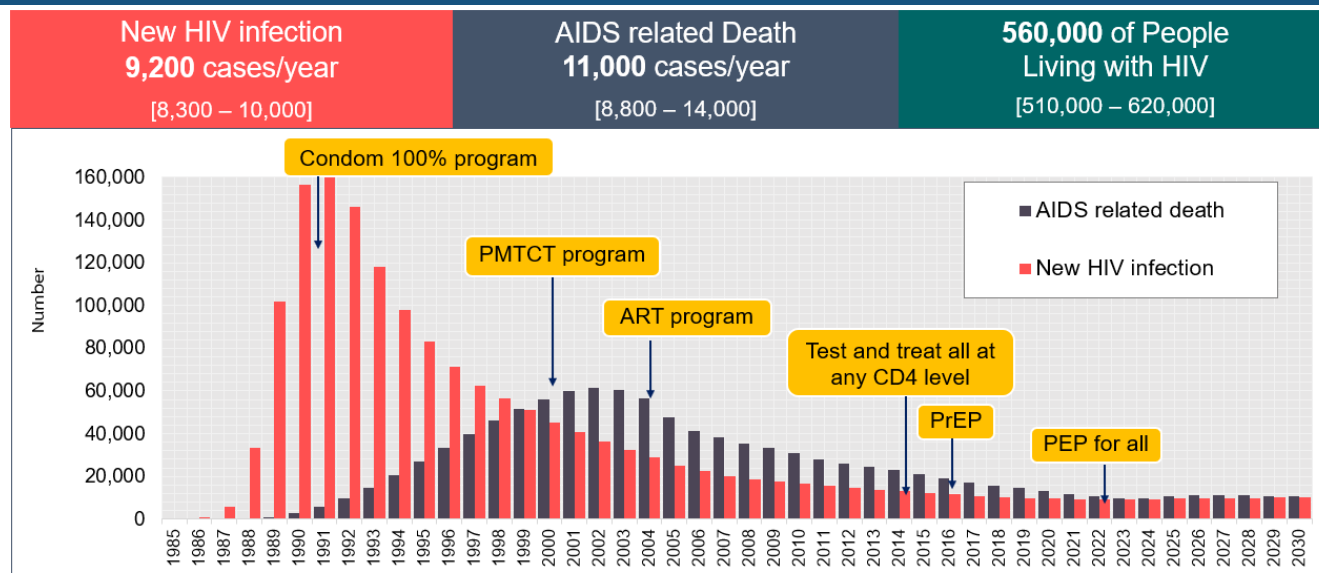
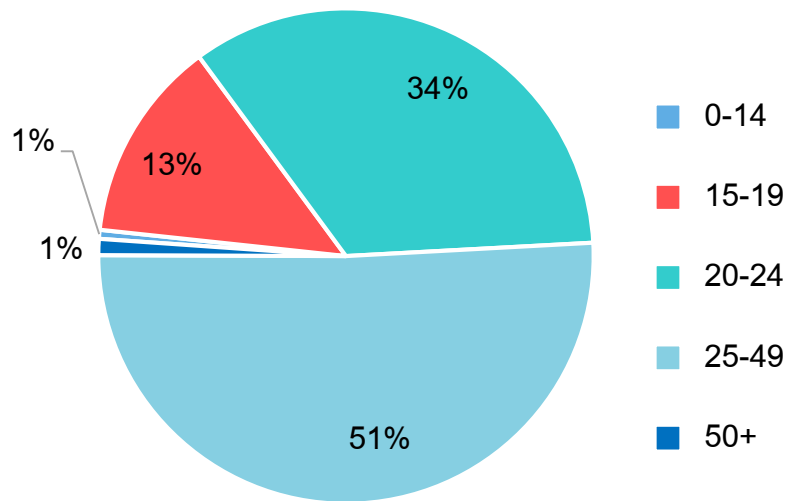


# HIV epidemic update

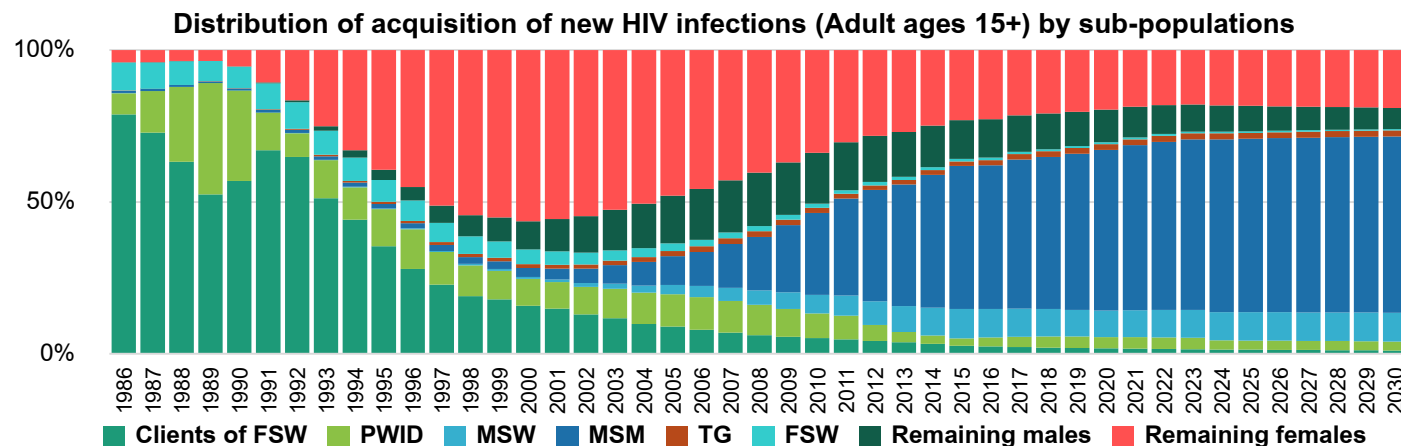
## 9,200 of new HIV infection in 2022

- About 81% are among men.
- About 47% are occurring among adolescents and youth (15–24)
- MSM (gay men and other men who have sex with men, including TGW and MSW) accounted for 66% of HIV infections.

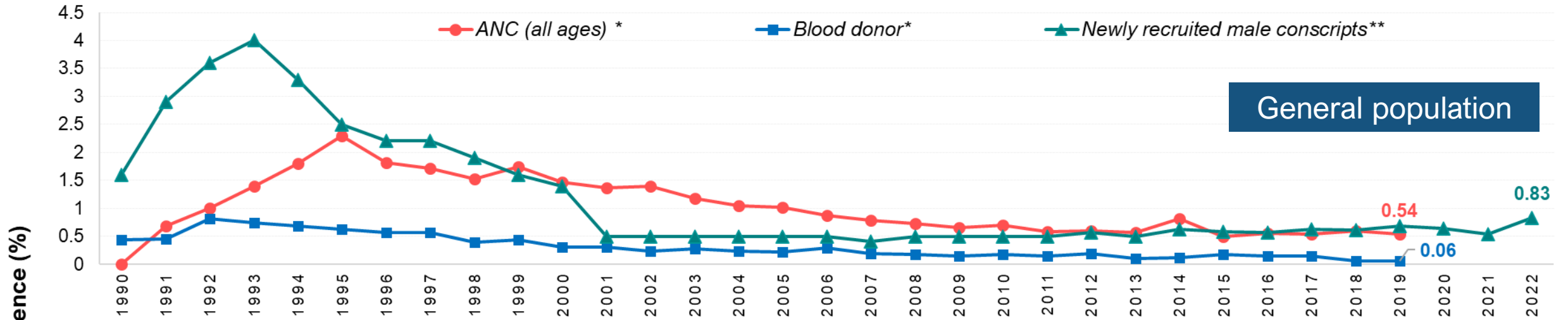
New HIV infections by ages group, 2022



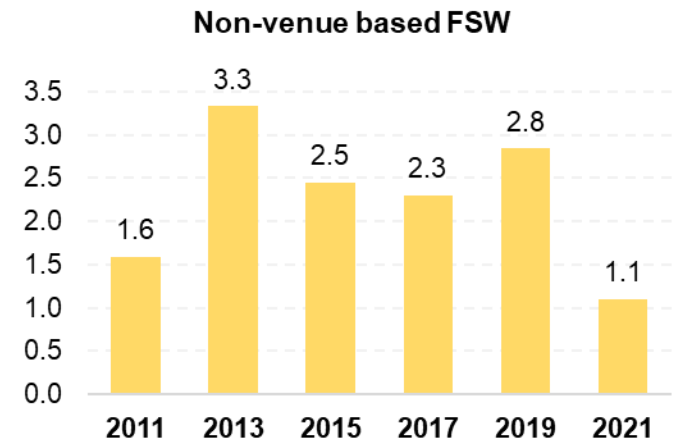
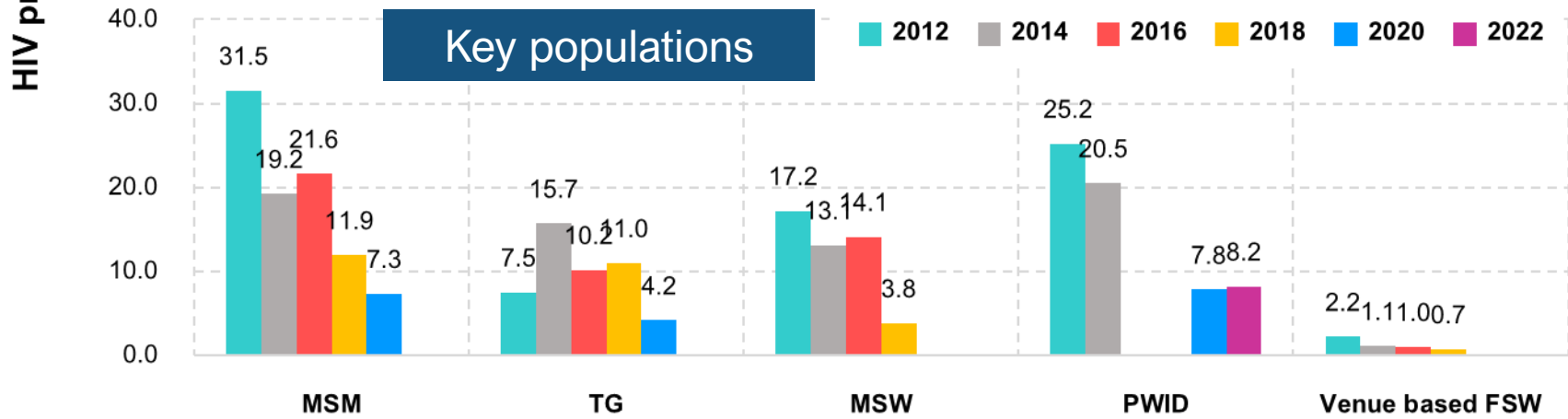
Source: Thailand Working Group on HIV/AIDS Projection, Thailand Spectrum-AEM, Project on 27<sup>th</sup> April 2023



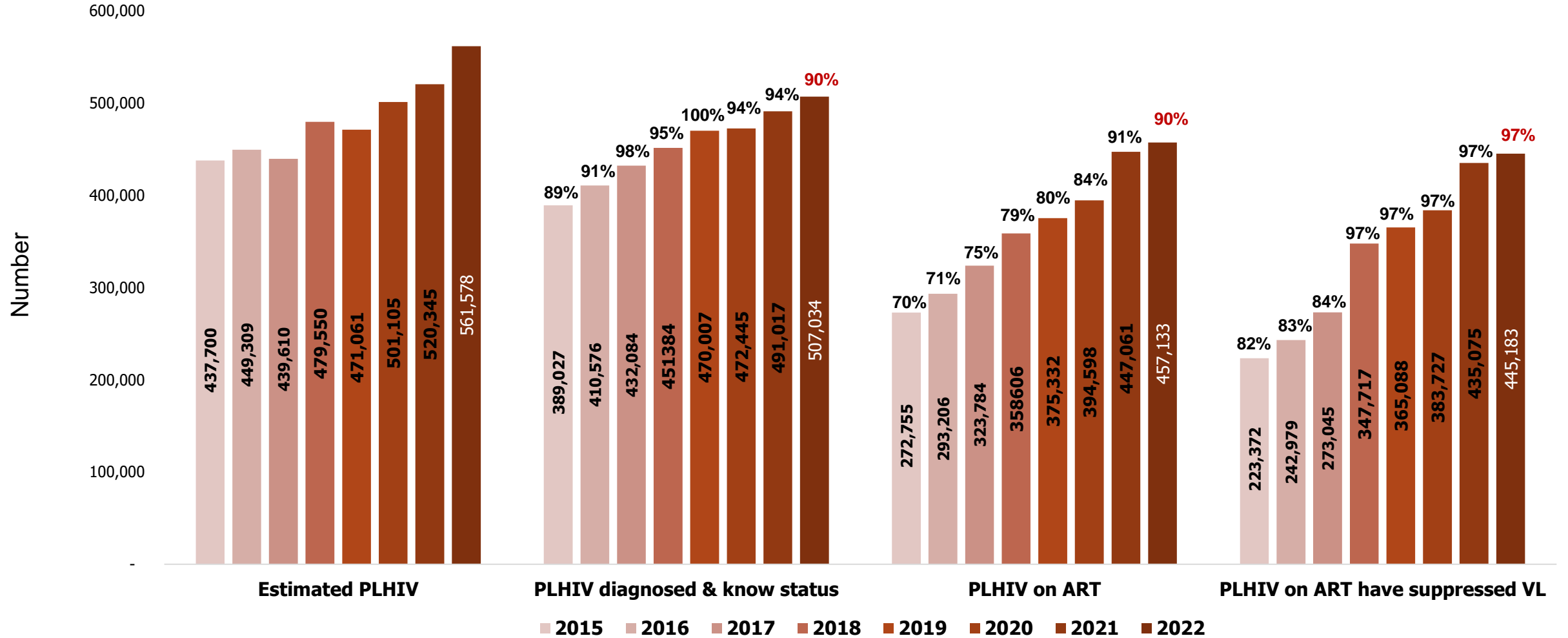
# HIV epidemic update



Source: \* HSS, Division of Epidemiology, Department of Disease Control, MOPH \*\* Armed Forces Research Institute of Medical Sciences (AFRIMS)



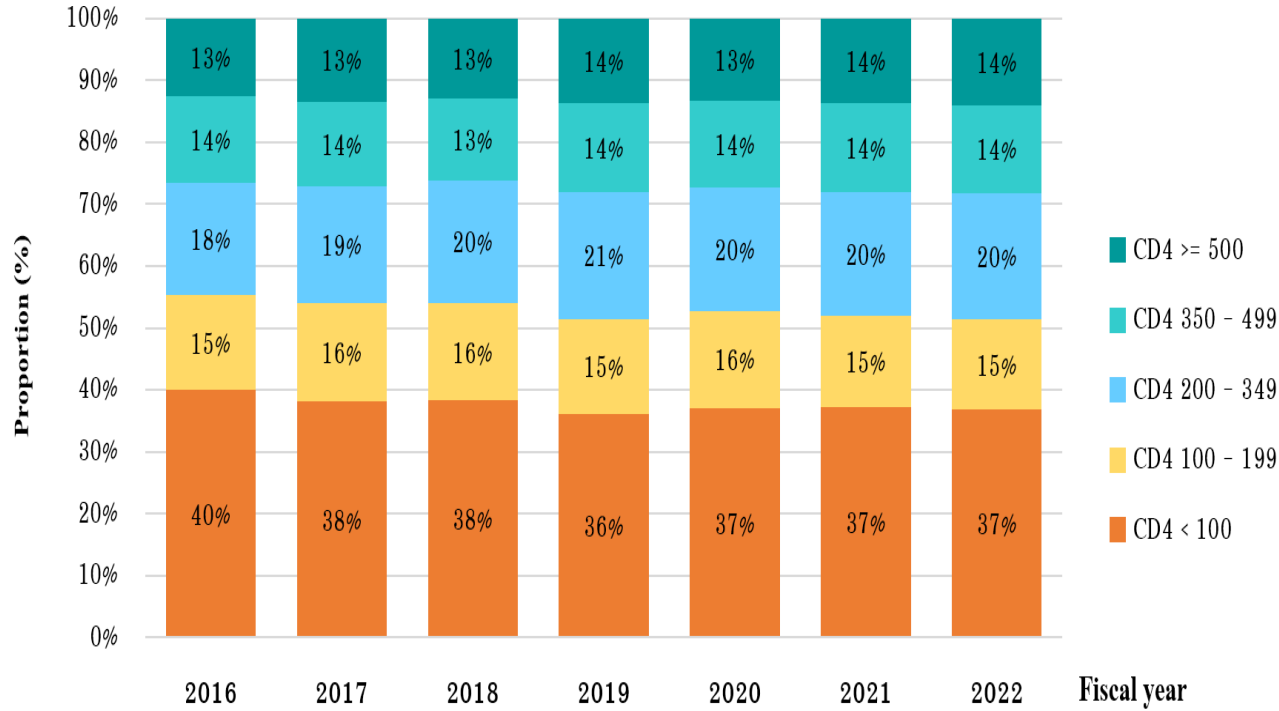
# Status of 95-95-95



Source: Spectrum-AEM, NAP web report, GPO, CGD; data updated March 2023

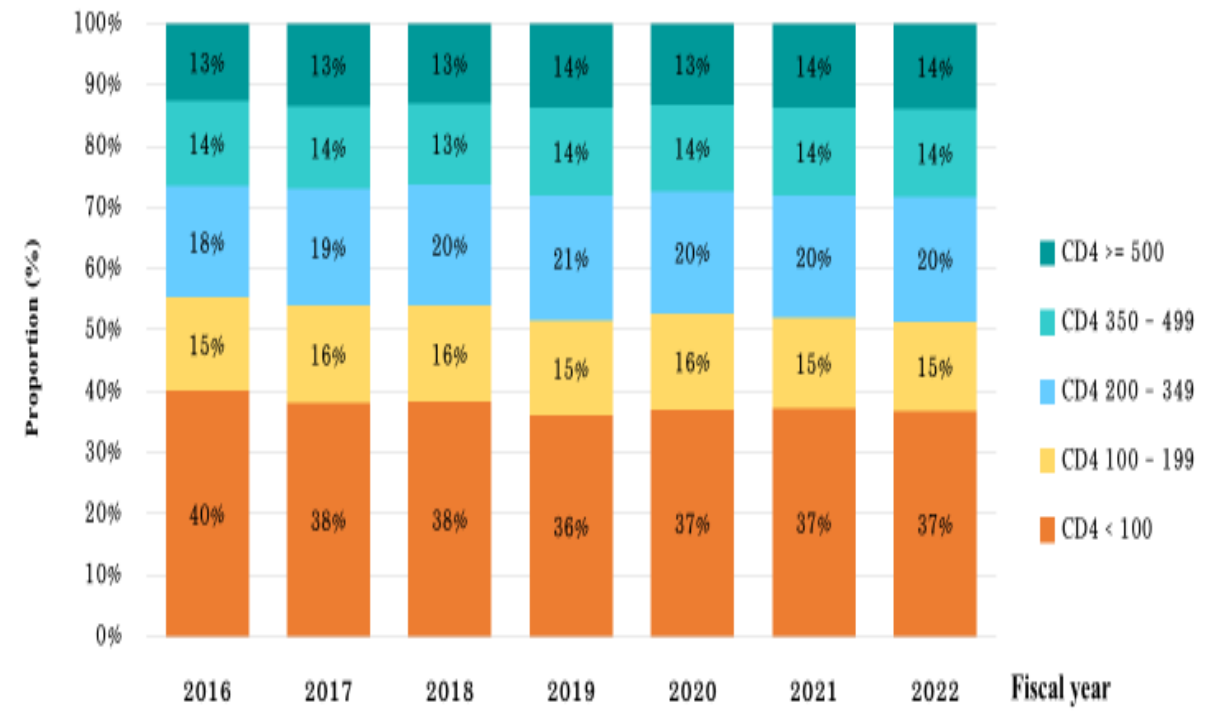
# Proportion of CD4 level after HIV diagnosis and at ARV initiation

## CD4 after HIV diagnosis



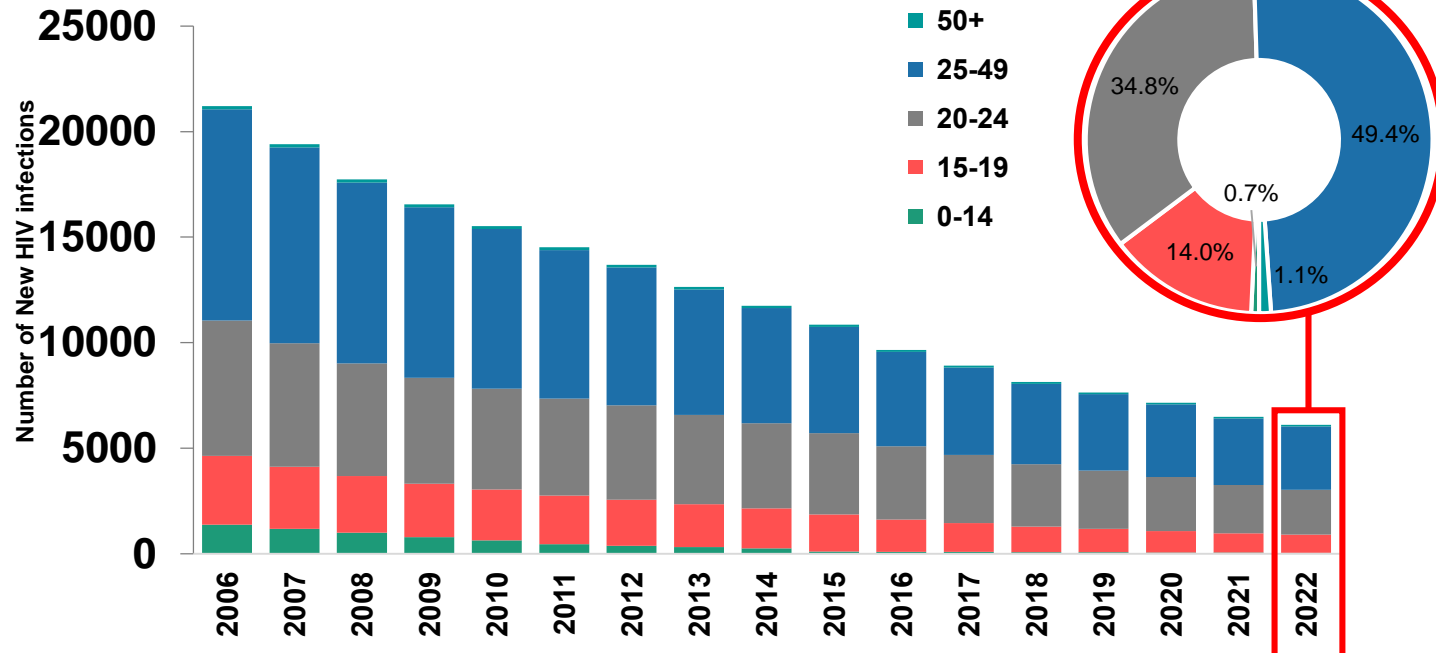
<b>CD4&lt;200</b>	55%	54%	54%	51%	53%	52%	52%
# CD4 Tested	17,859	21,714	20,953	20,988	19,202	17,981	17,809

## CD4 at ARV initiation



<b>CD4&lt;200</b>	55%	54%	54%	51%	53%	52%	52%
# CD4 Tested	17,859	21,714	20,953	20,988	19,202	17,981	17,809

# Estimated new HIV infections in Thailand by age group, 2006-2022



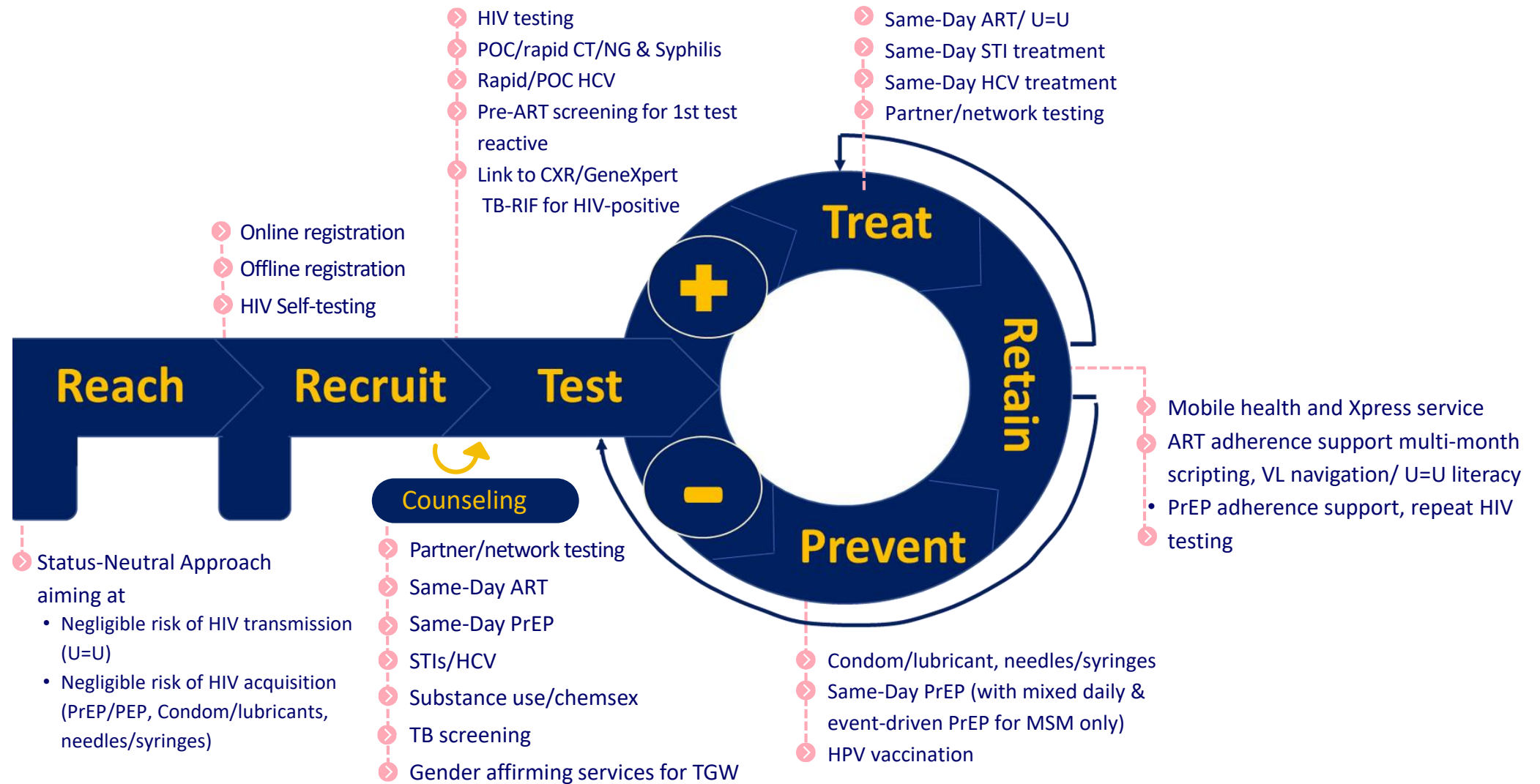
Source: Thailand Working Group on HIV/AIDS Projection, AEM, Project on April, 22<sup>nd</sup> 2022

- The incidence of HIV and STIs have been rising, particularly, among youth in Thailand.
- In 2021, the incidence of syphilis among youth was 2.5 times higher than 2017.
- In 2022, an estimated 49% of new HIV infections occurred in adolescents and youth ages 15–24 years.

## Strategy for HIV/STIs prevention in youth

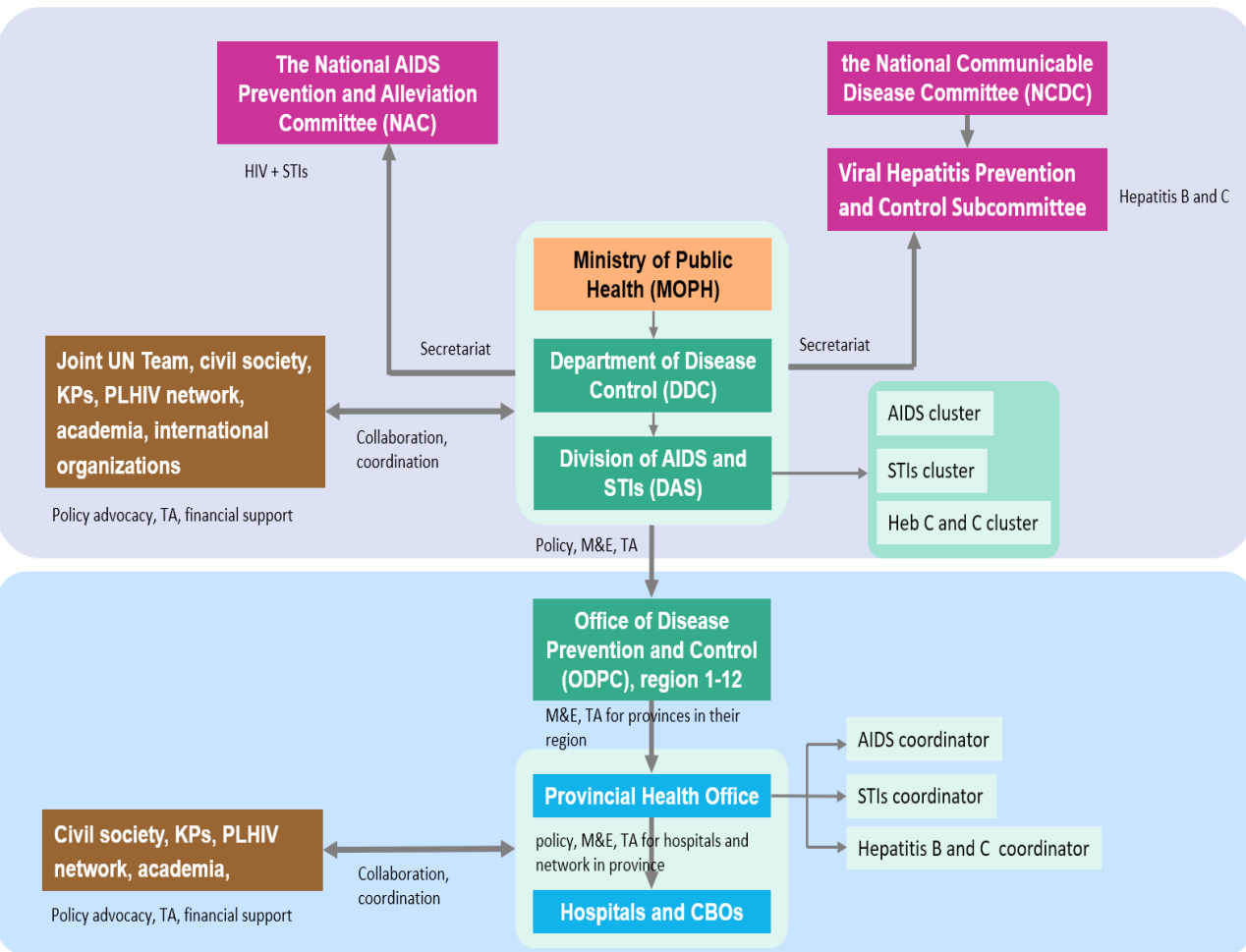
- Increase youth access to HIV/SY screening
- Promote comprehensive prevention measures e.g. condom, PrEP
- Collaborate with CBOs to outreach to youth population
- Develop youth-friendly clinic/platform to deliver HIV/STIs preventive services

# Strategies to bridge the gaps



# National response to HIV

## Governance Structure of Hepatitis/HIV/STIs Program



## 3 GOALS 6 STRATEGIES 17 KEY RESULTS TO END AIDS IN THAILAND BY 2030

**Program intervention**

**G1. Reduce new HIV infection <1000 per year**

**S1. Focus and expedite effective and inclusive package of services for populations and locations with high HIV transmission**

**Prevention Package RRTR**

- PrEP
- Index testing
- Self test
- Harm Reduction
- STI screening

**G2. Reduce AIDS related deaths <4,000 per year**

**S2. Strengthen and integrate current effective prevention efforts into existing system ensuring quality and sustainability**

- EMTCT
- Condom Strategy
- HIV&STIs Health Literacy

**G3. Reduce HIV and gender related discrimination by 90%**

**S3. Develop and enhance differentiated treatment, care and social support, ensuring quality, comprehensiveness and sustainability**

- Same day result, Same day ART
- Quality Improvement (DIC, DSC&HNC, Service, Lab, counselling, CIQI)
- MMD : Differentiated Care, Task Sharing
- National Guideline for TB, TB/HIV, TPT

**S4. Adjust HIV perceptions and build capacity of individuals, families and communities along with strengthen rights protection mechanism**

- Stigma & Discrimination Reduction in HC setting (S&D CQI)
- Self Stigma Reduction Program
- CRS mechanism

**S5. Enhance joint accountability, investment and efficiency of administrative efforts in all sectors at all levels**

- Provincial Coordinating Mechanism , District Health System
- Provincial Ending AIDS Plan , Social Network Strategy (SNS)
- CBO Accreditation , DDC Funding for NGOs

**S6. Support and improve accessibility and utilization of strategic information and research**

- M&E and SI : Data Quality Improvement (NAP+), Modelling, IBBS, HIV info Hub, Hep Data Center
- Capacity building on M&E & data use (TOT), Evaluation, Research



## RRTTR: Mobile VCT Test



## กิจกรรมสถานบริการ



## กลุ่มอื่นๆ ที่มีความเปราะบางในการรับบริการ



ให้ความรู้แก่นักศึกษาในหอพักร่วมกับสถานศึกษา



ประสานเครือข่ายเพื่อดูแลติดตามกลุ่มเป้าหมาย

## เรือนจำกลาง ตรวจ VCT และ ตรวจ 3 ช่องทาง



# Progress on increasing HIVST screening benefits in the National Health Security System



**Resolution of the National Health Security Board Meeting No. 3/2023 on March 13, 2023 approved new public health services in the national health security system, effective from April 1, 2023**

## **HIV Self Test service**

- Assigning a working group to negotiate the price of HIV self-test kits
- Assigning the NHSO to establish criteria, methods, and conditions for service reimbursement

April 2023: Training on coaching and counseling for HIV testing with self-screening test curriculum

# Project "Stand by You"

- Reaching out to adolescents at risk of HIV needs innovative methods and interactive platform.
- Project "Stand by You", developed in 2021, is an online platform which aims to improve access to HIV screening and other HIV preventive services in adolescents.
- Online counselling, HIV self-test, condom are offered to clients online. The self-test kits are sent to clients via mail. When test result was positive each case were referred to nearby HIV clinic.



Reaching Adolescents via website, social medias, & LINE official account



- Risk assessment
- Request free HIV self-testing kits
- Online counseling services
- Knowledge about AIDS and STIs

**Snapshot Summary**  
data period 1 Aug 2022 – 6 June 2023

Register  
**5,490**

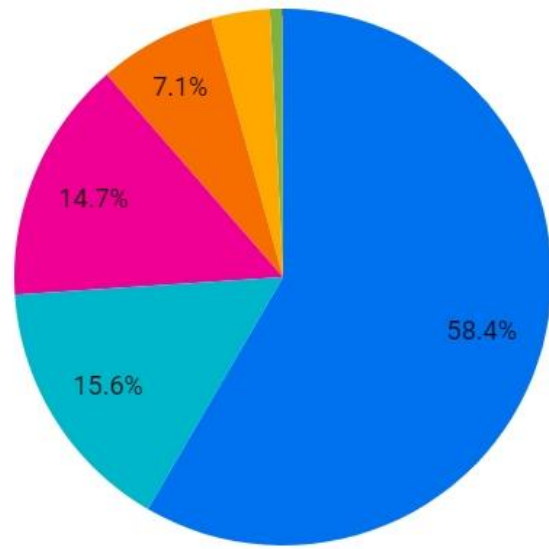
Risk assessment  
**6,542**

Test Kit Requests  
**5,257**

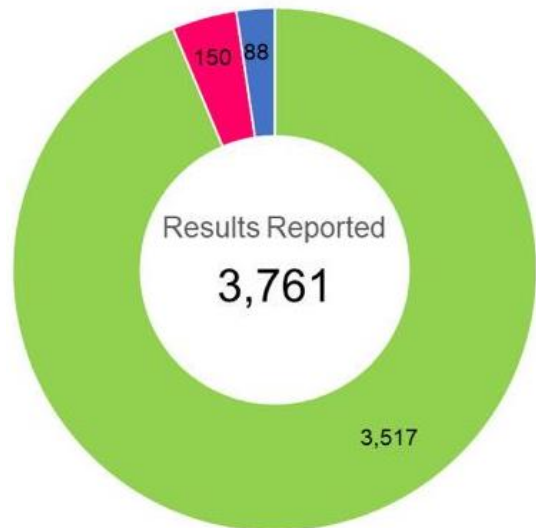
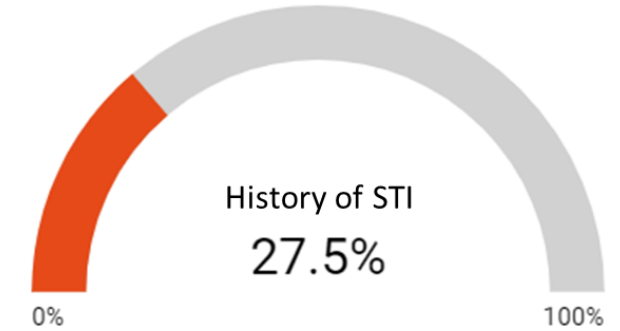
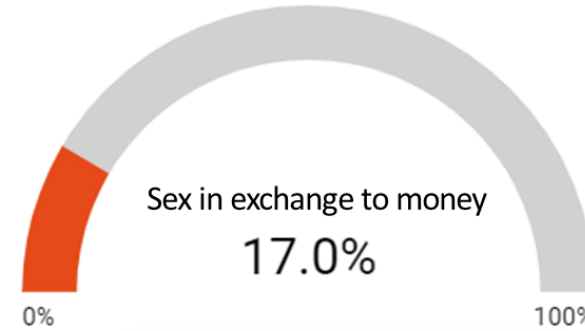
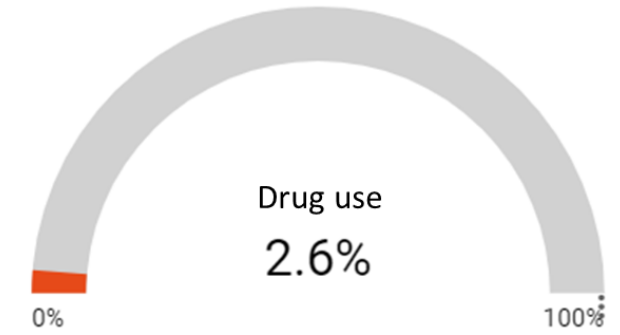
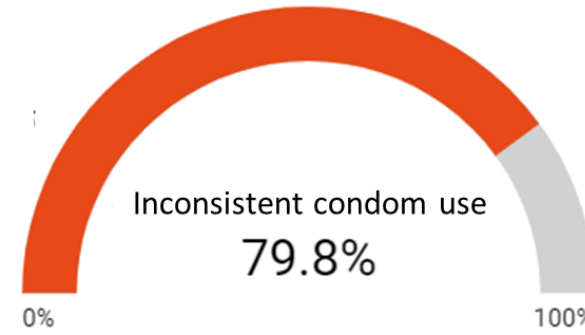
Results Reported  
**3,738**



# Project "Stand by You"



- Gender**
- Lesbian/Gay
  - Female
  - Male
  - Bisexual
  - Transgender
  - Queer/Questioning
  - Other



■ Negative ■ Positive ■ Other

**HIV +ve rate**  
**4%**

ขอบคุณที่มีโครงการดีๆ แบบนี้ที่ทำให้ผมรู้จักตัวเองเร็วมากขึ้นเพื่อที่จะได้รับการรักษาอย่างถูกวิธีครับ 16:36

การคุยกับพี่ทำให้ผมสบายใจขึ้นมากเลยครับขอบคุณนะครับ 16:37

ด้วยความยินดีค่ะ..ขอให้พี่พลังเข้มแข็ง และसानฝันได้จริงตามที่ต้องการนะคะ ส่วนเรื่องสุขภาพพี่นั้นมีทางออกแน่นอนค่ะ

ขอบคุณมากๆเลยครับ 20:11

Read ยินดีค่ะ 😊 20:11

สบายใจ

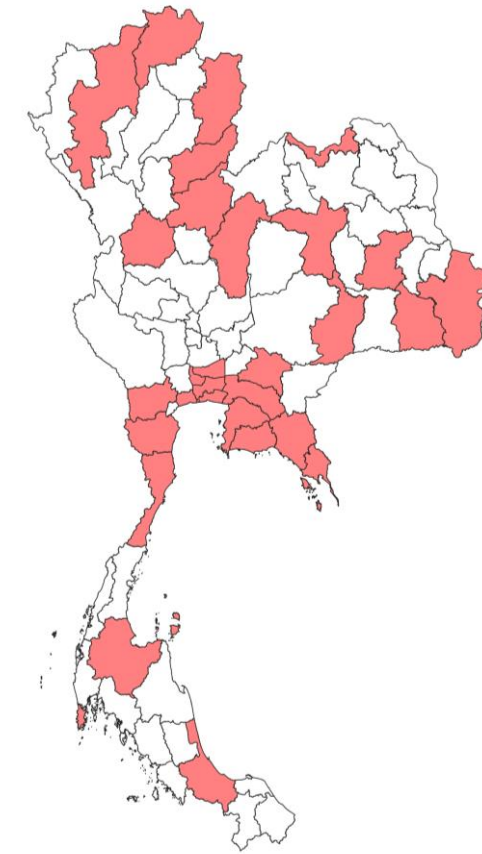
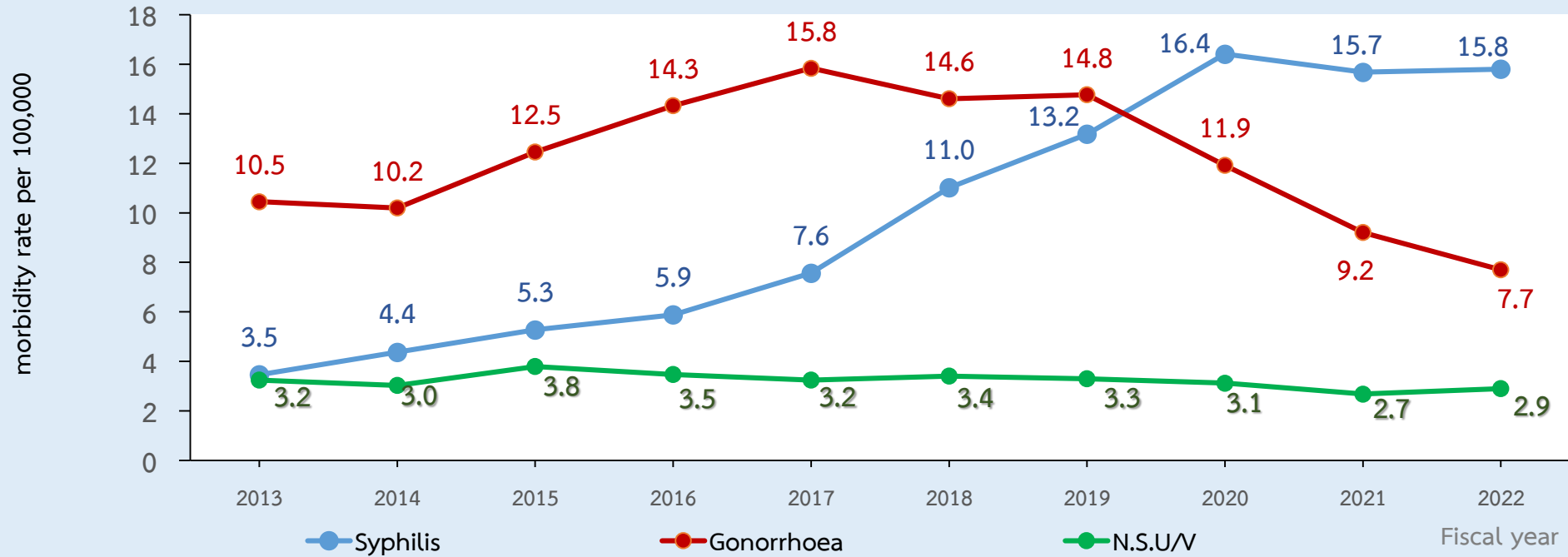
ที่ไม่ทิ้งหาย

คอยตอบผมตลอด 20:11

ผมไม่รู้คุณเป็นใคร แต่ขอบคุณมากนะคะ 🙏❤️ 20:12

# STI Updates

Goal 2030 : Syphilis < 1 case per 100,000 pop.  
Gonorrhoea < 1 case per 100,000 pop.



## Sex-specific morbidity rate of STI (5 Diseases), 2022

1

Male

38.1 per  
100,000

2

Female

18.0 per  
100,000

## age-specific morbidity rate of STI (5 Diseases), 2022

1

15-24 years

99.0 per 100,000

2

25-34 years

46.7 per  
100,000

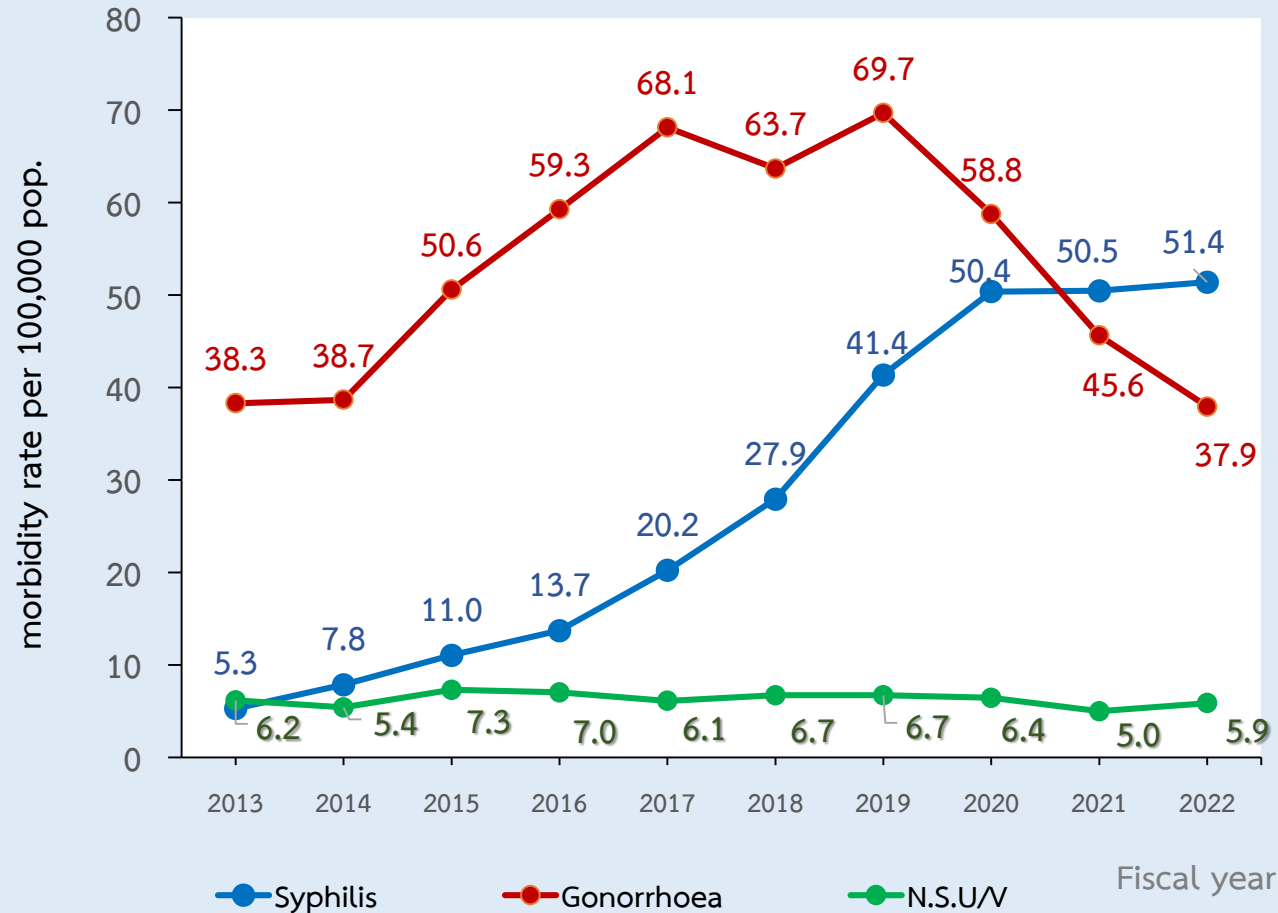
3

35-44 years

19.1 per  
100,000

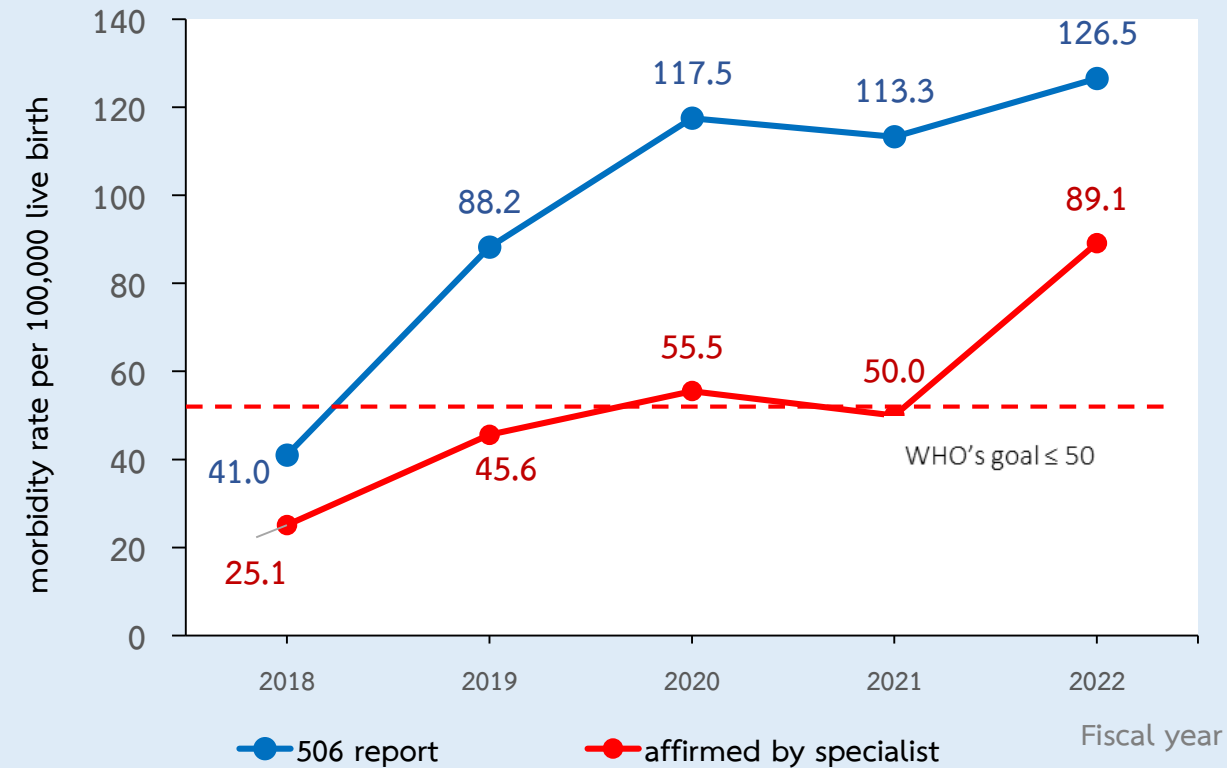
Target sites : 30  
provinces

## STI situation among youth (15-24 years)



Source: 506 Report and Disease Investigation Form, as of April 30, 2022

## Congenital Syphilis

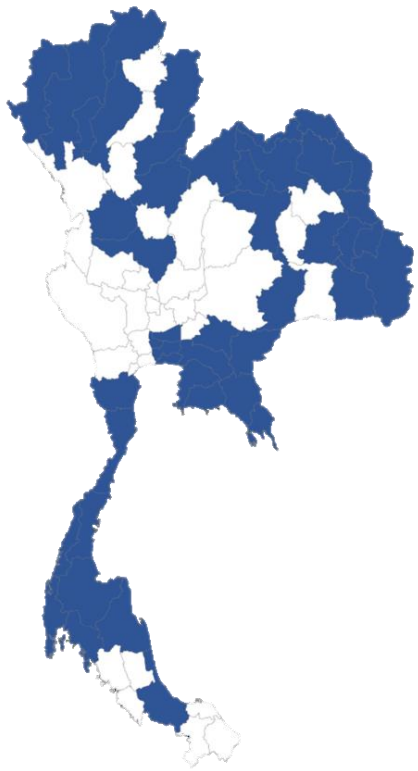


### Congenital Syphilis (age <2 year)

- About 50 percent is found misdiagnosed in 506 Report
- In 2020 and 2022, morbidity rate of live birth outreached the goal by 55.5 and 89.1 per 100,000 live birth

# HIV/Syphilis screening program in youth

- The HIV/Syphilis Combo Rapid Test is cost-effective screening tool by screening of two diseases in a single device from fingertip blood sample.
- The project aims to promote HIV/Syphilis screening which allow youth to know their syphilis and HIV status.
- Hospital and CBOs collaboratively delivered the service to youth by campaigning, outreach in schools/colleges, local exhibitions, etc.

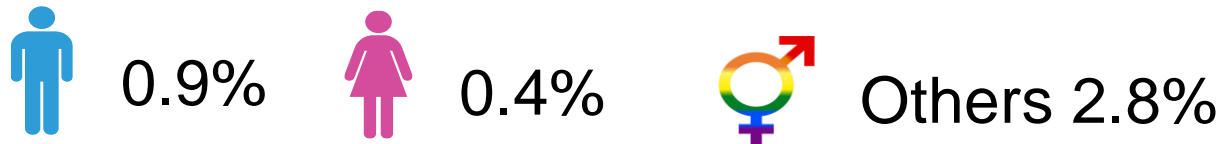


- The project was introduced in **46 of 77** provinces in 2022 and scaled-up nationwide in 2023.
- **24 of 46** provinces are high prevalence provinces.
- Total of **88,263** cases were screened for HIV/SY  
(Feb 1, 2022 – Mar 30, 2023)

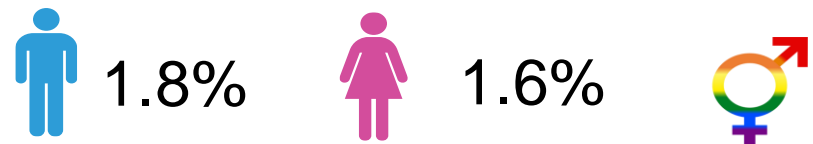


# Results of screening for HIV and syphilis in youth aged 15-24 years by gender.

- **Reactive HIV screening**  **0.8%**



- **Reactive syphilis screening**  **1.8%**



- **Reactive HIV & Syphilis screening**  **0.2%**



Total 88,263 case (February 1, 2022 – March 30, 2023)



# Hepatitis country situation

- Hepatitis B and C prevalence/burden estimates, estimated deaths ( to the extent available)

## HBV

- Prevalence
  - 4.5% among people who were born before 1992
  - 0.6% among people who were born after 1992
  - 8.5% among PWID
  - 8.07% among PLHIV
  - 8.0% among MSM
- Estimated model for Thai population
  - Estimated 2.2 – 3 M HBV morbidly cases in Thai population
  - Estimated death rate per 100,000 by HBV was 18.9 (2019)\*.
  - Estimated percent of primary liver cancer deaths attributable to HBV was 40 (2019)\*.

## HCV

- Prevalence
  - 0.39% among Thai population
  - 8.7% among PLHIV
  - 3.94% among PWID
  - 3.62% among people who were injected by other sources apart from health staff/setting.
- Estimated model for Thai population
  - Estimated 356,670 HCV morbidly cases.
  - Estimated death rate per 100,000 by HCV was 13.6 (2019)\*.
  - Estimated percent of primary liver cancer deaths attributable to HCV was 18 (2019)\*.

## ❖ Hepatitis B vaccination coverage in 2022:

- HepB-BD 94.3% and HepB-3 87.9%

(Source: Health Data Center; MOPH Thailand; data as of 6 Feb 2023)

## ❖ NSP and OST coverage among PWID in 2022:

- 14 syringes and needles distributed per PWID per year
- 8.2% of PWID receiving opioid substitution therapy (OST)

(Source: GAM Report, 2022)

\*Estimated death rate by Coalition for Global Hepatitis Elimination, <https://www.globalhep.org/country-progress/thailand>.

# Hepatitis updates: Snapshot of diagnostic and treatment services

Division of AIDS and STIs (DAS) surveyed by using self-administered questionnaire in all public hospitals during fiscal year 2022. Only 320 hospitals sent the answer.

No of facilities for testing	Total (N)
HBsAg	236
HBsAb	234
HBeAg	210
HBcAb	219
HBV viral load	188
Anti-HCV	230
HCV cAg (core antigen)	87
HCV RNA qualitative	121
HCV RNA quantitative	164

- ❖ Over 1,000 public hospitals provide **free hepatitis treatment under UHC scheme**. (Treatment at hospital where patient visits or refer to other hospitals)
- ❖ **HCV:**  
Cost of 12 weeks of **Sof/Vel** is 12,510 Baht (**\$360**) (with cirrhosis: plus Ribavirin 5,700 Baht (\$164))
- ❖ **HBV:**  
Yearly cost of **TDF** is 4,058 Baht (**\$116.78**)  
Yearly cost of **TAF** is 6,142.9 Baht (**\$176.78**)

Reference: drug price from NHSO

Currency exchange rate refers to the Bank of Thailand announcement as of 6 June 2023 (1 USD = 34.75 Baht).

# Hepatitis updates: Screening service

## National Health Security Board Meeting No. 4/2023, 13 March 2023

- Agree to increase the hepatitis B screening service with HBsAg for all populations born before 1992, one time for life.
- Agree to increase the hepatitis C virus screening service with Anti-HCV for all populations born before 1992, one time for life and one time per year for 5 risk groups:
  1. PLHIV
  2. PWID
  3. MSM
  4. Medical staff
  5. Prisoners

Effective on 1 April 2023

## Update on Hep B and C guideline



- ❖ National Strategies to Eliminate Viral Hepatitis 2022-2030 and costed action plan was distributed in April 2022
- ❖ Updated HCV screening and treatment GL was distributed in Sep. 2022
- ❖ Updated HBV screening and treatment GL was distributed in Nov. 2022



THANK YOU

