



# State of HIV Epidemic in Thailand in 2021

## Overall Situation As of the end of 2021

**People living with HIV**  
**520,345**

Child (< 15 years) : 2,003  
 Adult (≥ 15 years) : 518,342  
 (Youth 15-24 years: 22,985)  
 Women : 219,020  
 Men : 301,325

**New HIV cases**  
**6,485 cases / year**

Child (< 15 years) : 49  
 Adult (≥ 15 years) : 6,436  
 (Youth 15-24 years: 3,205)  
 Women : 1,512  
 Men : 4,973

### Mother-to-child HIV transmission rate



**1.61%**

**HIV-related deaths**  
**9,322 cases / year**

Child (< 15 years) : 96  
 Adult (≥ 15 years) : 9,226  
 (Youth 15-24 years: 210)  
 Women : 4,668  
 Men : 4,654

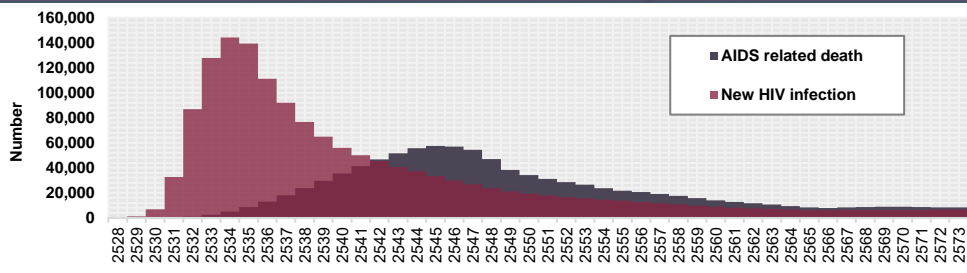


### Discriminatory attitudes toward People Living with HIV

**26.7%**

The Thailand Multiple Indicator Cluster Survey (MICS) conducted in 2019

## Estimation of the HIV/AIDS epidemic

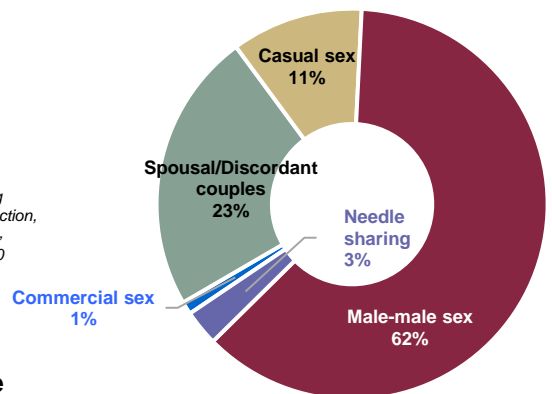


Source: Thailand Working Group on HIV/AIDS Projection, Thailand Spectrum AEM, Project on April, 22<sup>nd</sup> 2022



**50% of new HIV cases are in 8 provinces including Bangkok, Chonburi, Nonthaburi, Chiang Mai, Khon Kaen, Pathum Thani, Samut Prakan and Nakorn Rachasima.**

### Mode of HIV transmission among adults



Source: AEM, Project on April, 22<sup>nd</sup> 2022

- **97% of new infections are caused by unprotected sex among**
  - Male to male sex: 62%
  - Spousal/Discordant couples (living together/regular partners): 23%
  - Casual sex and non-marital sex partners: 11%
  - Commercial sex: 1%
- **3% infected from needle sharing**

## Results of the HIV sentinel surveillance

Population-based surveillance	Prevalence	Condom used*	Year
o Woman attending antenatal clinics (ANC)	0.5%		2019
o Male conscripts	0.7%		2019
o Vocational students		80.3%	2019
o Men who have sex with men (MSM)	7.3%	77.8%	2020
o Transgender woman (TGW)	4.2%	78.8%	2020
o Male sex workers (MSW)	3.8%	90.3%	2018
o Venue based Female sex workers (FSW)	0.7%	80.6%	2018
o Non-venue based FSW	1.1%	82.1%	2021
o People who inject drugs (PWID)	7.8%	39.6%	2020

\* Condom used at last sex

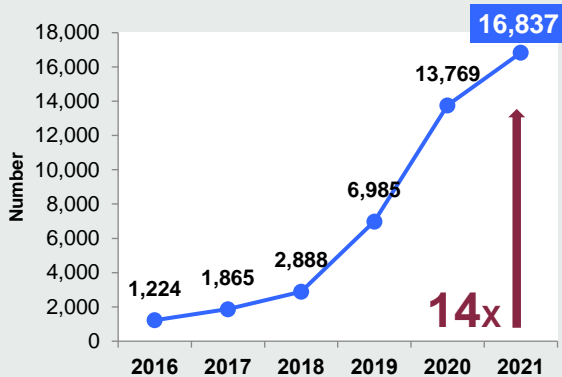
Source: Division of Epidemiology, DDC Thailand



# Thailand's progress towards ending AIDS in 2021

## HIV prevention

- 98% of pregnant women living with HIV received antiretroviral treatments to prevent mother-to-child transmission of HIV.
- 92.2% of infant born to HIV-infected mother received a virological test for HIV within 2 months of birth.
- Number of people received oral pre-exposure prophylaxis (PrEP) increase about 14 times from 2016 to 2021.



- 1,212,200 people received HIV testing and know the results, of whom 260,826 were young people aged 15-24 (21.5%).

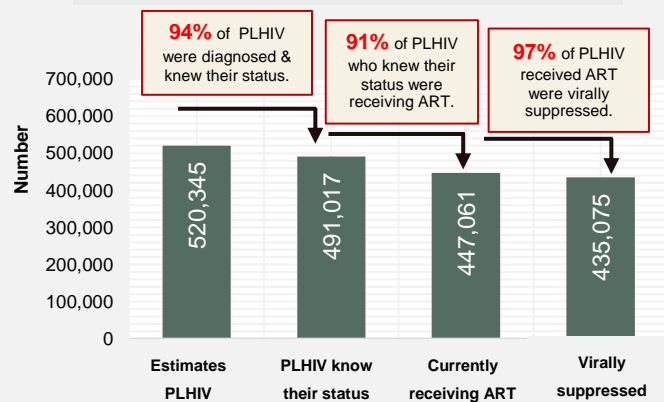
## Coverage of HIV and STD prevention outreach services among key affected populations

Key populations	Number of reached	coverage (%)*
o MSM	122,509	77.6
o TGW	10,945	17.5
o MSW	6,285	23.9
o FSW	19,822	15.4
o PWID	13,656	32.0

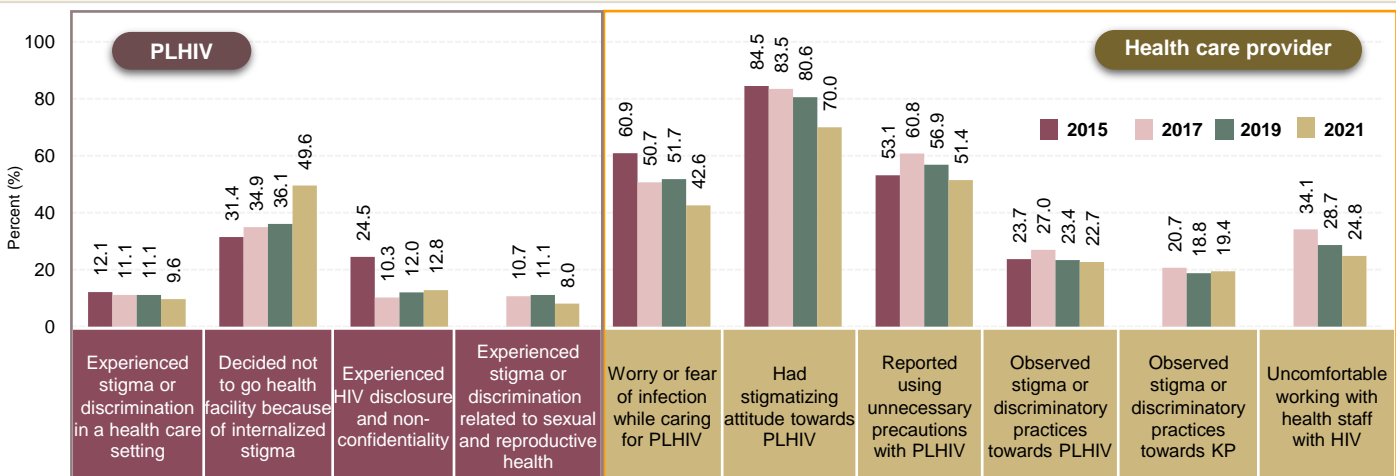
\*coverage among the estimated number of key populations

## HIV care and treatment

### Progress towards 95-95-95 targets



## National estimates for S&D in health care setting



For additional information, please visit

[hivhub.ddc.moph.go.th](http://hivhub.ddc.moph.go.th)

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Provided by Division of AIDS and STIs, DDC, MoPH