

Taiwan approach to HIV testing

In Reaching 95-95-95 Targets for Ending the HIV Epidemic

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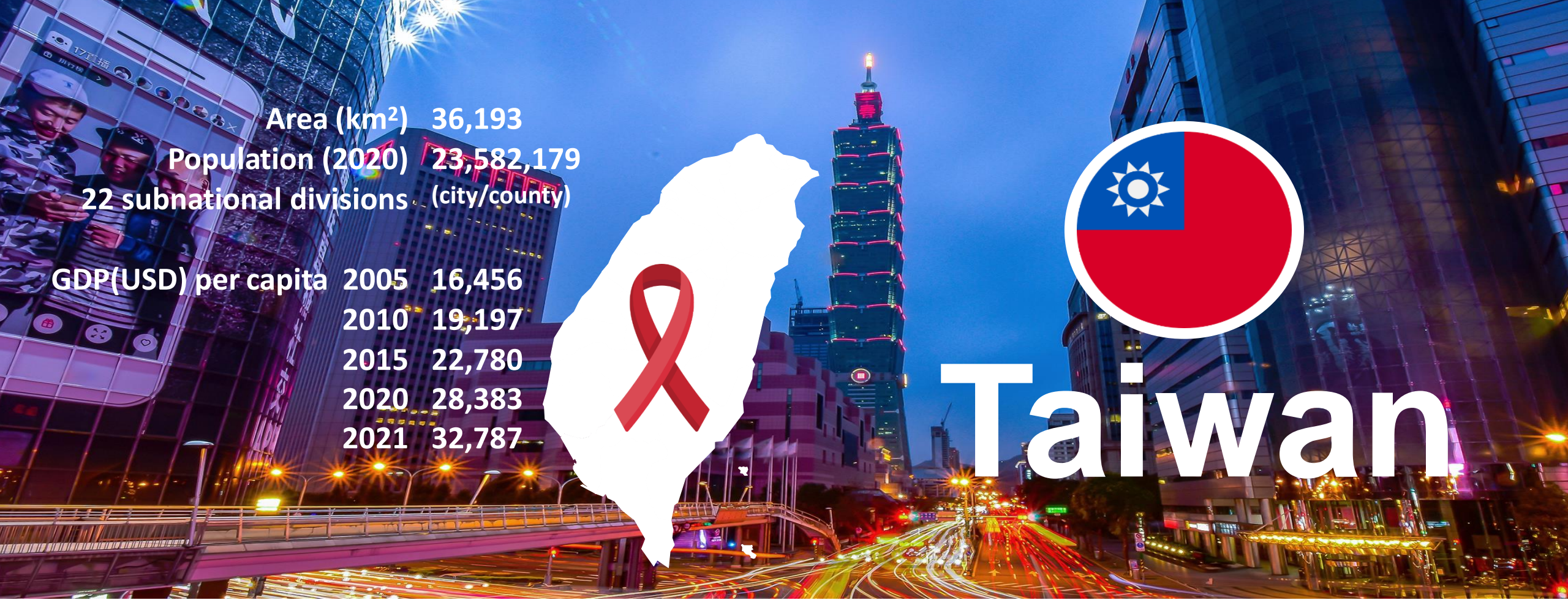
June 23, 2023



Outline

- Overview of HIV epidemic status in Taiwan
- Continuum of HIV care in Taiwan, 2022
- Taiwan HIV testing approaches, linkage to care & prevention





Area (km²) 36,193

Population (2020) 23,582,179

22 subnational divisions (city/county)

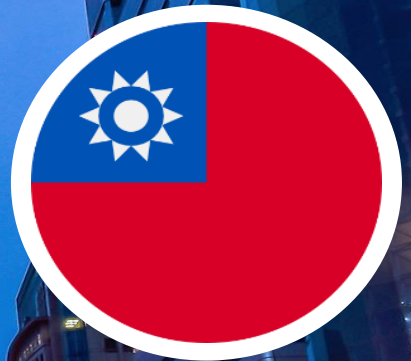
GDP(USD) per capita 2005 16,456

2010 19,197

2015 22,780

2020 28,383

2021 32,787



Taiwan

- **Medical infrastructures:**

- ✓ UHC: the NHI covers 99.9% population
- ✓ ~400 hospitals and 22000 clinics
- ✓ 29 physicians and 71 hospital beds per 10,000 population

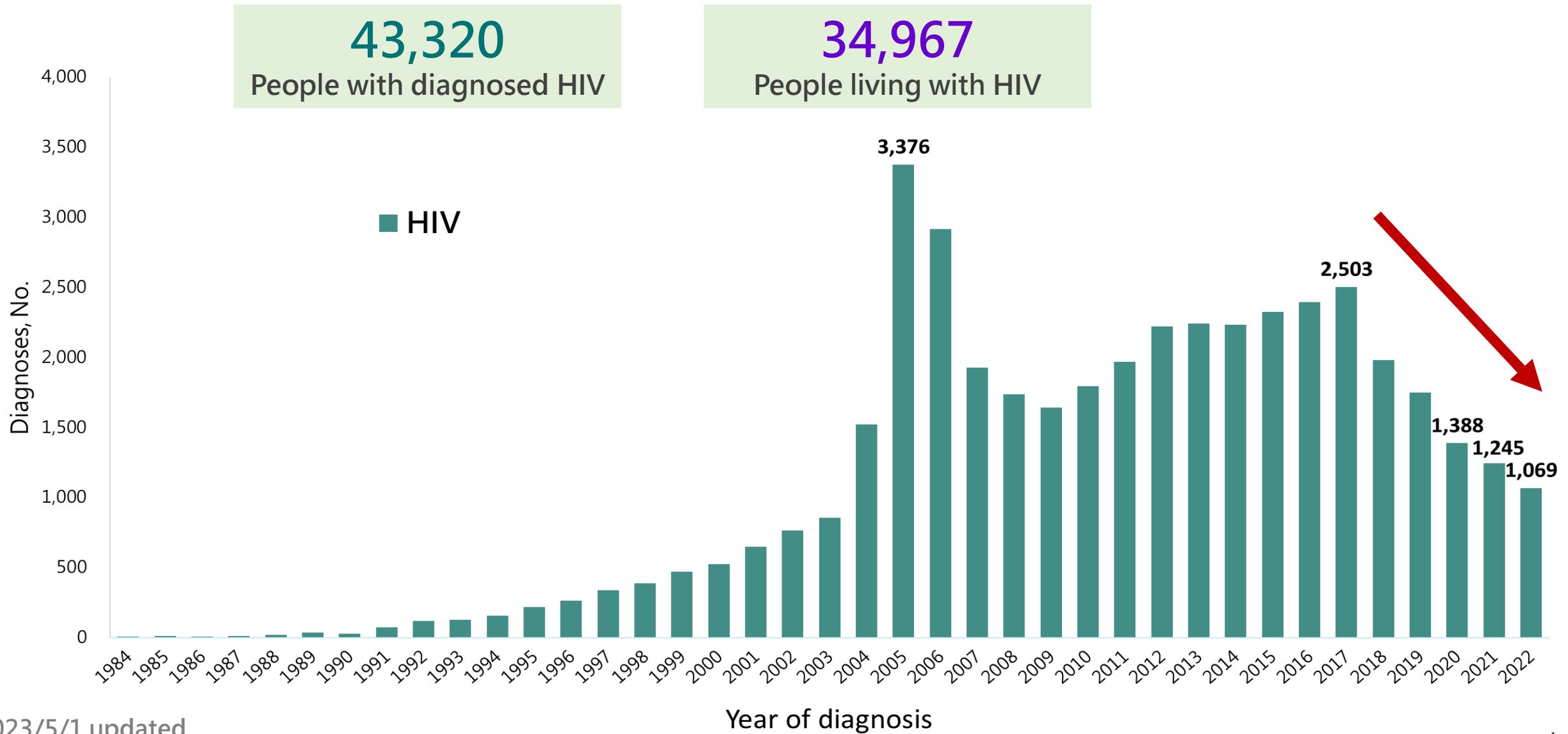
- **Laws & regulations about HIV/AIDS:**

- ✓ HIV Infection Control and Patient Rights Protection Act
- ✓ Communicable Disease Control Act

- **Timely disease surveillance and case management systems**

- ✓ National notifiable diseases surveillance and statistics
- ✓ Information system for HIV case management
- ✓ Information system for HIV testing programs

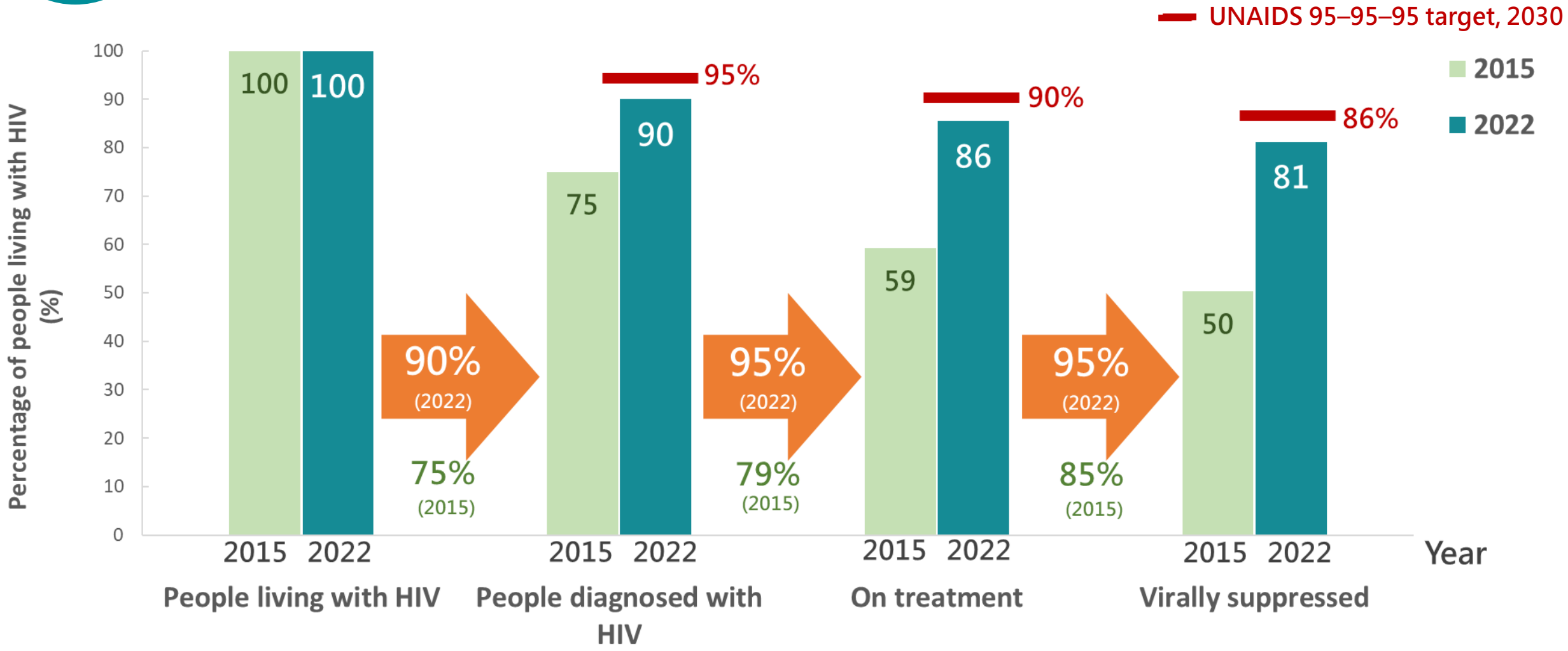
Diagnoses of HIV Infection, Taiwan (1984–2022)



2023/5/1 updated



Continuum of HIV care in Taiwan, 2022 estimates



2022/12/31 updated



Taiwan HIV testing approaches, linkage to care & prevention



Taiwan CDC recommends people to get tested for HIV at least once as part of routine health care

- More often to get tested if increased risk of getting HIV
- ✓ Sexually active: get tested for HIV at least once
- ✓ Unprotected sexual intercourse: be tested at least once a year
- ✓ For those at higher risk (e.g. sharing needles, multiple sexual partners, drug use, and STD): **get tested every 3–6 months**



care about yourself

珍愛自身 有「篩」真好!

定期 愛滋篩檢 掌握自身健康!

有性行為:
建議至少
進行1次檢驗

有無套性行為:
建議每年
至少進行1次檢驗

有感染風險行為:
(如感染性病、多重性
伴侶、與人共用針具、
合併使用成癮性藥物
等), 則建議每3至6
個月檢驗1次。

衛生福利部疾病管制署
TAIWAN CDC

防治有觀念 健康多一點

建議愛滋篩檢頻率, 了解自己的健康

- 有性行為者, 建議至少進行1次篩檢
- 有無套性行為者, 建議每年至少進行1次篩檢
- 有感染風險行為(如感染性病、多重性伴侶、與人共用針具/稀釋液、合併使用成癮性藥物等), 建議每3至6個月篩檢1次

匿名篩檢服務

提供安全、隱私、免費、快速
愛滋篩檢及諮詢服務, 協助初陽
陽性確認檢驗及就醫轉介

匿名諮詢網 匿名服務點

愛滋自我篩檢

方便取得, 了解自己的健康狀況
三大通路取得試劑: 人工發放點、自動服務
機、網路訂購超商取貨。
在家或安心的處所進行自我愛滋篩檢

保護/照顧自己, 維持健康

篩檢結果為陰性時:

定期篩檢、持續防護措施預防感染

PrEP

(暴露愛滋病毒前預防性投藥服務)

有感染愛滋風險的民眾穩定持續服用PrEP藥
物, 使體內有足夠藥物濃度預防愛滋感染,
保護效果90%以上, 為預防感染愛滋的另一
種選擇

篩檢結果為陽性時:

速就醫, 進行確認檢驗, 及早接受治療

愛滋指定醫事機構

提供愛滋檢驗、衛教諮詢及以感染者為中心
之醫療照護等服務, 以及個案關懷服務

更多愛滋防治資源

- 各縣市衛生局/所、民間團體、多元性別健康服務中心
- 疾病管制署全球資訊網、疾管署LINE@疾管家, 或撥打國內免付費1922防疫專線洽詢



衛生福利部疾病管制署
TAIWAN CDC



www.cdc.gov.tw



1922防疫達人 疫情通報及諮詢專線: 1922
www.facebook.com/TWCCDC



Expansion of diversified HIV testing services in Taiwan



Facility-based HIV testing services

- **Anonymous HIV testing program**
- **PrEP program**
- Partner Services
- People diagnosed with STD, TB
- People using drugs
- Pre-natal screening
- Medical examination
- Blood donations
- Physical examinations of prisoners on admission to correctional facilities
- Physical examinations at military entrance processes



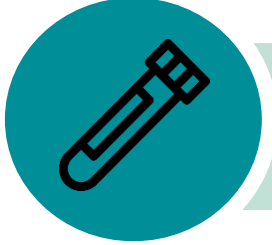
Community-based HIV testing services

- **LGBTI+ friendly community health centers**
- **Outreach HIV testing services**



HIV self-testing services

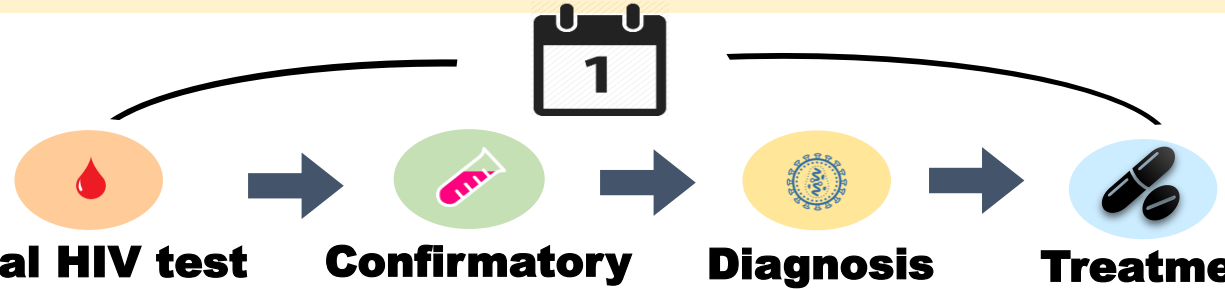
- **Taiwan CDC HIVST program**
- **HIVST with on-line counselling services**
- **HIVST promotional project for high school & collage students**



Anonymous HIV testing program in Taiwan

Provide rapid, free and confidential HIV testing

Anonymous HIV Testing Services



HIV Ag/Ab rapid test



ICT
(HIV immunochromatography confirm test)



NAT
(Nucleic Acid Testing)

Provide risk behavior assessment, health consultation and referral to HIV confirmatory test, diagnosis, medical care or PrEP services

- ✓ Use **HIV Ag/Ab rapid testing** to reduce waiting times, and linkage to care timely
- ✓ In 2022, a total of **74** medical institutions provided the anonymous HIV testing services for **33,327** persons
- ✓ **0.8%** were newly diagnosed with HIV

Taiwan government subsidized PrEP program for people at high risk

As of Sep 2015, WHO recommends that people at substantial risk of HIV infection should be offered PrEP as an additional prevention choice, as part of comprehensive prevention.

2015

2016

2017

2018

2019

2020

2021

2022~2023

Preparation

(2015-2016)

- Taiwan FDA approve PrEP of the indication of HIV prevention
- Issue PrEP guidance by Taiwan AIDS society
- Develop training materials for healthcare providers
- Deliver PrEP knowledge to the public and key populations

PrEP Pilot program

(2016/11/15-2017/8/31)

- 5 collaborative hospitals
- Recruit 302 PrEP users

PrEP program

(2018-2020)

- Over 42 collaborative hospitals
- Provide PrEP integrated preventive services
- Recruitments:
 - ✓ high risk young people (< 30 y/o)
 - ✓ HIV sero-discordant couples
- A total of recruit 2176 PrEP users

PrEP program 2.0

(expand to age < 35 y/o with high risk)



政府補助PrEP
計畫宣導網頁

<https://gov.tw/KJ6>

PrEP: Pre-exposure prophylaxis



PrEP program in Taiwan, 2016–2022

Integrated Preventive Services

PLHIV : people living with HIV

- PLHIV's Partners
- Aged under 35 years old with high risk

Appointment/
Regular
hospital visit
tracking

Request ↓ ↑ Providing information

Local health bureau

Case management



- 1. Health promotion
- 2. PrEP consulting

referral

transferring

Agencies of drugs addiction treatment and mental health

Drugs addiction treatment

Mental health clinic

referral

Local health bureau-associated agencies

Dissemination of HIV prevention and safe sex

Assessment of drugs addiction and healthcare dissemination

Assessment of mental health condition

Healthcare dissemination/questionnaire/PrEP info consulting

Sexually transmitted disease testing and treatment

Assessment of PrEP applicability (including HIV, Syphilis, liver and kidney function and Pregnancy testing)

PrEP prescription and regular hospital visit

Transfer to agencies of drugs addiction treatment and mental health

Change their risky behavior and allowing them a healthier life style

PrEP: Pre-exposure prophylaxis

A total of recruit
5,147 PrEP users
in government subsidized
PrEP program,
2016–2022
(Regular HIV testing rate: 95%)

Out-of-pocket PrEP prescriptions also have been promoting at the same time



(2022/12/31 updated)



LGBTI+ friendly community health centers in Taiwan 1

• Provide LGBTI+ friendly health services

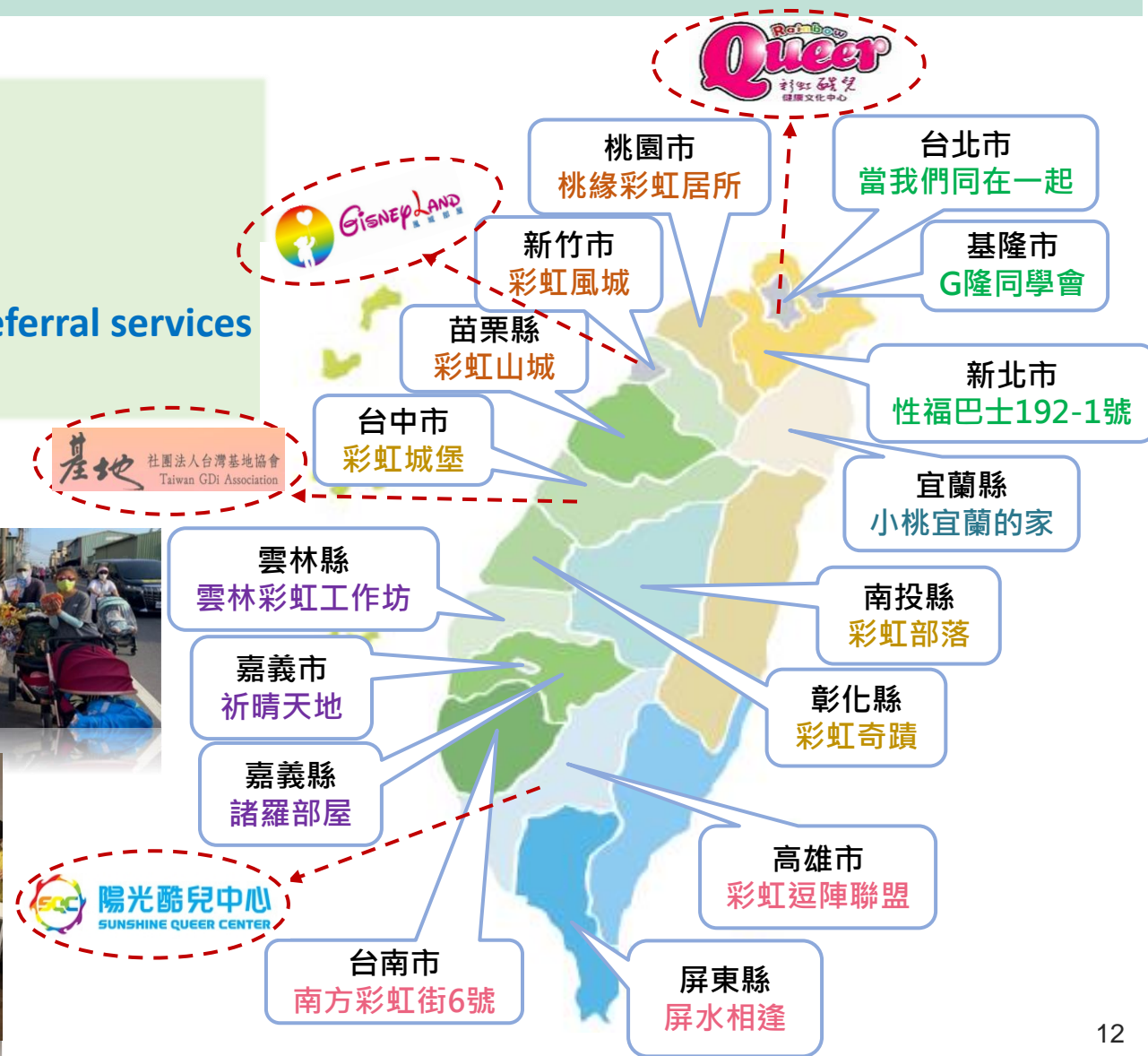
- ✓ Medical consultation & health education
- ✓ Peer support services & free hotline of consultation
- ✓ Community-based HIV & STD testing, counselling and referral services
- ✓ Community clinics & medical services

Provide medical services in LGBTI+ friendly health centers



Linkage to care (Accompany, consultation, peer support services)

LGBTI+ friendly community health centers cooperate with designated hospitals/clinics





LGBTI+ friendly community health centers in Taiwan 2

Expansion of diversified HIV&STD testing services



Gym



Party



Restaurant



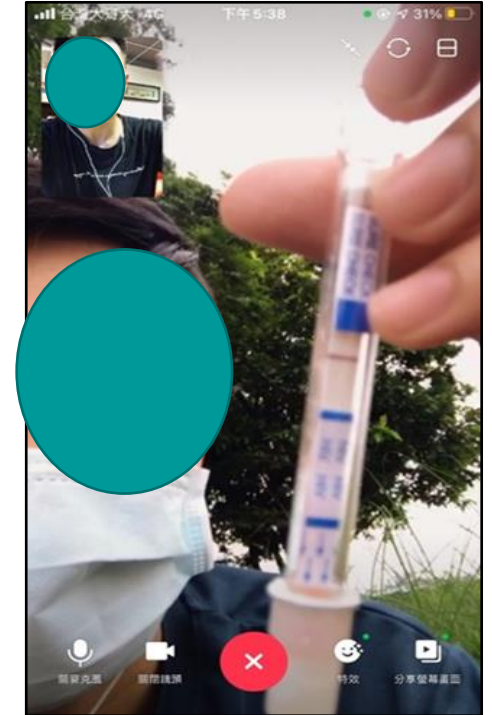
Bar



Sauna



Park



Outreach HIV testing services

HIVST with on-line counselling services



HIV self-testing program in Taiwan, 2016–2023

2016
pilot

81 service sites in 9 counties
23 vending machines

2017

278 service sites in 19 counties
24 vending machines

2018–2019

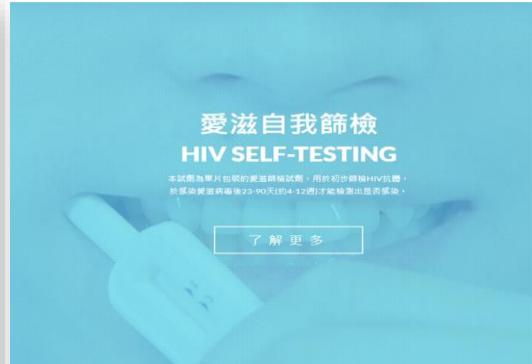
429 service sites nationwide
29 vending machines

2020–2023

> 400 service sites nationwide
68 vending machines



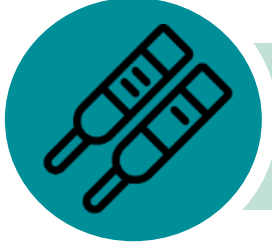
On-line order & Convenience Store Pickup Service
More than 10,500 convenience stores provide 24hr pickup service



試劑兌換券
COUPON



- Log-in test result on HIV self-testing website
 - Get a coupon for buy one, get one kit free
- <https://hiva.cdc.gov.tw/Selftest/>



Taiwan HIV self-testing program & linkage to care



Encourage users to report their test results on Taiwan CDC HIVST website

On-line order



超方便



Log in account on HIVST website & report test result

User receive an online coupon from HIVST website

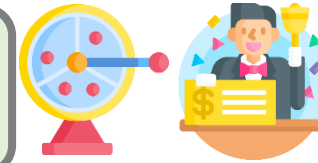
Using coupon to redeem another complimentary HIVST kit

Community service sites



HIVST positive result

User provide barcode to attend raffle



Vending Machines



Persons with positive test results

Go to designated hospitals for HIV confirmatory tests and diagnosis

Providing barcode on HIVST kit

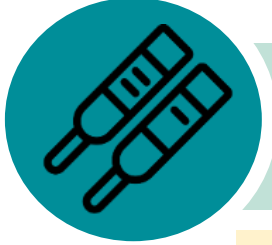
- ✓ Discount on medical cost
- ✓ Return the fee of HIVST kit



Linkage persons with positive test results to HIV diagnosis and medical care services

Each HIVST kit has its own unique barcode

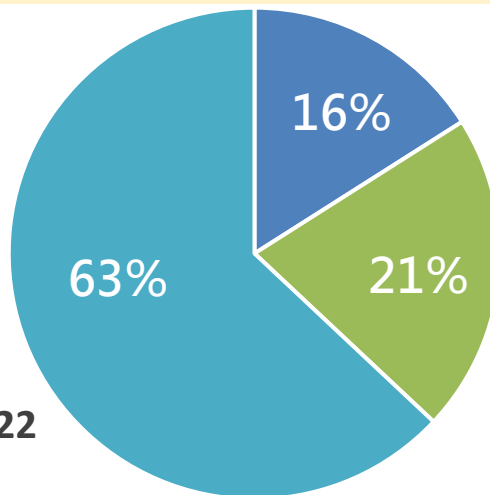
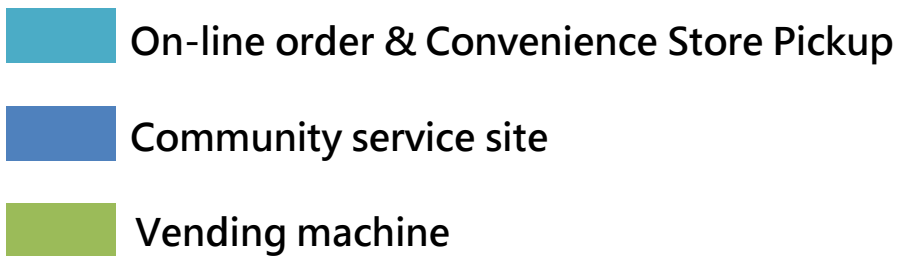




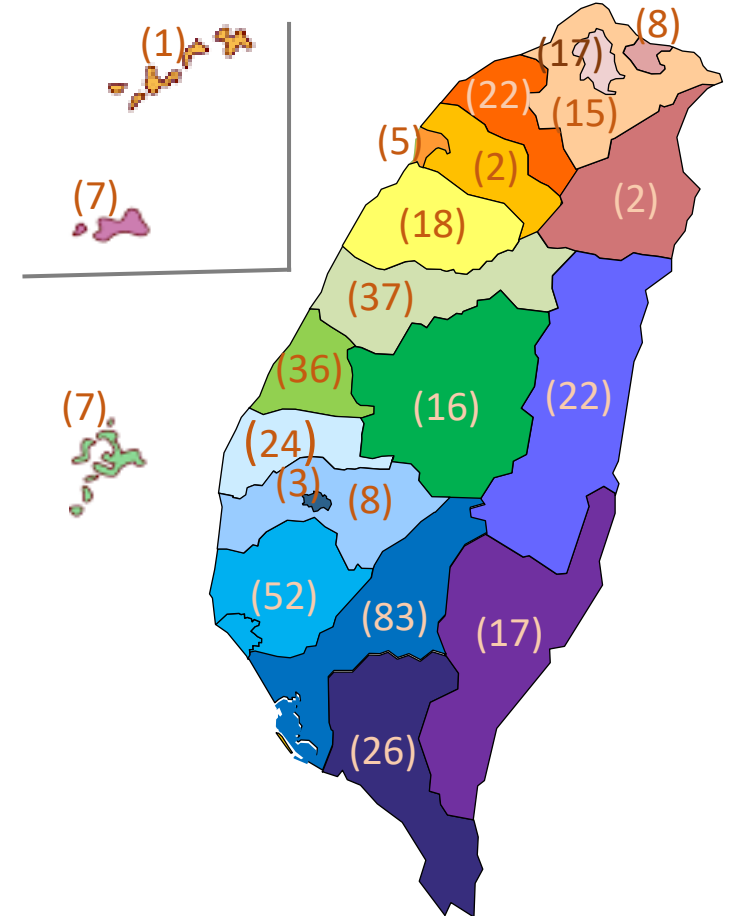
Convenient & accessible services for HIV self-testing in Taiwan

In 2022, a total of **54,217** HIV self-testing kits bought by individuals or distributed via NGOs

- 63% kits were ordered on-line
- 22% were the first time to HIV testing
- About 30% individuals disclosed their test results
- 0.4% had a positive HIVST test result
- **81** were newly diagnosed with HIV



The ways of HIV self-testing kits provided in Taiwan, 2022



The distribution of community service sites for HIV self-testing program in Taiwan, 2022 (> 400 service sites nationwide)



HIVST promotional project for high school & collage students

Taiwan CDC conducts the HIVST promotional project in Nov 2022–Dec 2023

- **Multiple advocacy of HIVST to young people** (Taiwan CDC cooperates with the Ministry of Education, schools, local health departments, LGBTI+ friendly community health centers, and NGOs)
- **Provide complimentary HIVST kits to every attending student who is willing to receive a free e-coupon via school email** (It is anonymous. The school email address is only for verifying student identity.)

愛滋自我篩檢
免費試劑電子兌換券推廣活動
即日起至112年12月31日止

只要有性行為者，
建議都至少要進行1次愛滋篩檢唷！

參加對象
高中職(含)以上在學學生(每人限申請1次)。

免費試劑兌換券申請及兌換

1. 註冊會員(匿名)
至網站會員專區(https://yeur.cc/O4WMog)，填入E-mail信箱及設定密碼，並至E-mail信箱查收兌換券(可使用學校信箱以外之E-mail註冊會員)
2. 在學身分驗證
登入後點選「校園免費試劑電子兌換券推廣活動」，輸入學校edu.tw的E-mail信箱完成驗證，免費試劑電子兌換券即匯入至您的會員帳號(信箱)。
3. 兌換試劑
請於期限內至實體通路或網路訂購商取貨(網路兌換須支付物流費用45元)。

愛滋自我篩檢試劑屬感測抗體篩檢，
於感染愛滋病毒後23-90天(約4-12週)才能檢測出是否感染。

衛生福利部疾病管制署 TAIWAN CDC
www.cdc.gov.tw
1922防癮熱線
1922防癮熱線
1922防癮熱線

2,243 students applied
(Nov 2022–May 2023)



Newsletter

FB & IG

HIV Self-Testing

【校園愛滋自我篩檢】
自即日起至今年12月31日止，免費提供高中職(含)以上學生(每人限申請1次)。
可於校內領取試劑，或自行到實體通路、網路訂購商取貨。

免費兌換券兌換試劑，
請於期限內至實體通路或網路訂購商取貨(網路兌換須支付物流費用45元)。

高中職(含)以上在學學生，每人限申請一次。

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2. 在學身分驗證
登入後點選「校園免費試劑電子兌換券推廣活動」，輸入學校edu.tw的E-mail信箱完成驗證，免費試劑電子兌換券即匯入至您的會員帳號(信箱)。
3. 兌換試劑
請於期限內至實體通路或網路訂購商取貨(網路兌換須支付物流費用45元)。

疾病管制署 - 1922防癮熱線
11月23日

小編報告！小編報告！
萬幸學校愛滋自我篩檢計畫開跑了！只要您是高中職(含)以上的在學學生，於今年12/31前皆可登錄申請！快快拿起手機，掃描QR CODE，跟著申請步驟填寫資料，也歡迎分享给身邊有需要的朋友們囉！

另外也提醒大家，發生性行為時應自備或主動要求對方全程使用保險套，有性行為者都建議至少進行1次愛滋篩檢，以了解自身健康情況，保護彼此，降低感染風險！

#愛滋病毒 #HIV #校園愛滋自我篩檢計畫 #在學學生 #免費申請 #TaiwanCDC #Taiwan

愛滋自我篩檢 校園活動開跑囉！

STEP 1 註冊會員(匿名)
登入會員專區，填入E-mail信箱及設定密碼，並至edu.tw的會員專區完成驗證，電子兌換券即匯入至您的會員帳號。

STEP 2 在學身分驗證
登入後點選「校園免費試劑電子兌換券推廣活動」，輸入學校edu.tw的E-mail信箱完成驗證，免費試劑電子兌換券即匯入至您的會員帳號。

STEP 3 兌換試劑
請於期限內至實體通路或網路訂購商取貨(網路兌換須支付物流費用45元)。

學校EMAIL信箱：

驗證碼：

Local health departments & schools HIVST promotional activities

私訊粉專 了解更多
桃園區公所
開跑
自我篩檢試劑
校園免費
兌換活動
限量200份
免費
兌換細節 私訊粉專

桃園市政府衛生局
桃園市彩虹居所
校園免費
愛滋篩檢試劑兌換

中原大學 11/22 (二)
10:30-13:30
(全人大道)

開南大學 11/24 (四)
13:00-16:00
(衛保組前)

龍華科技大學 11/28 (一)
10:30-13:30
(星型廣場)

中央大學 11/29 (二)
10:00-13:00
(教研大樓大禮堂外)



Collaborations for HIV testing, prevention and care in Taiwan

Public health authorities

- Community-based HIV & STD testing, counselling and referral services (Outreach testing services)
- Laboratory testing services
- HIV case management
- Partner services
- PrEP services
- Health education & consultation
- Increase linked to care & treatment adherence



Designated Hospitals/Clinics

- Facility-based HIV testing services
- Laboratory testing services
- Medical care services
- HIV case management
- Partner services
- PrEP services
- Increase linked to care & treatment adherence

NGOs

- Community-based HIV & STD testing, counselling and referral services (Outreach testing services)
- Provide supportive resources
- Increase linked to care & treatment adherence



HIVST with on-line counselling



Peer supportive resources



Outreach HIV testing services





THANKS FOR LISTENING



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