



# Smart Taipei- Digitized Community Vaccination Sites

Taipei City



# Outline

- 1) Origin
- 2) Methods
- 3) Result
- 4) Implementation of SDGs
- 5) Summary and Vision



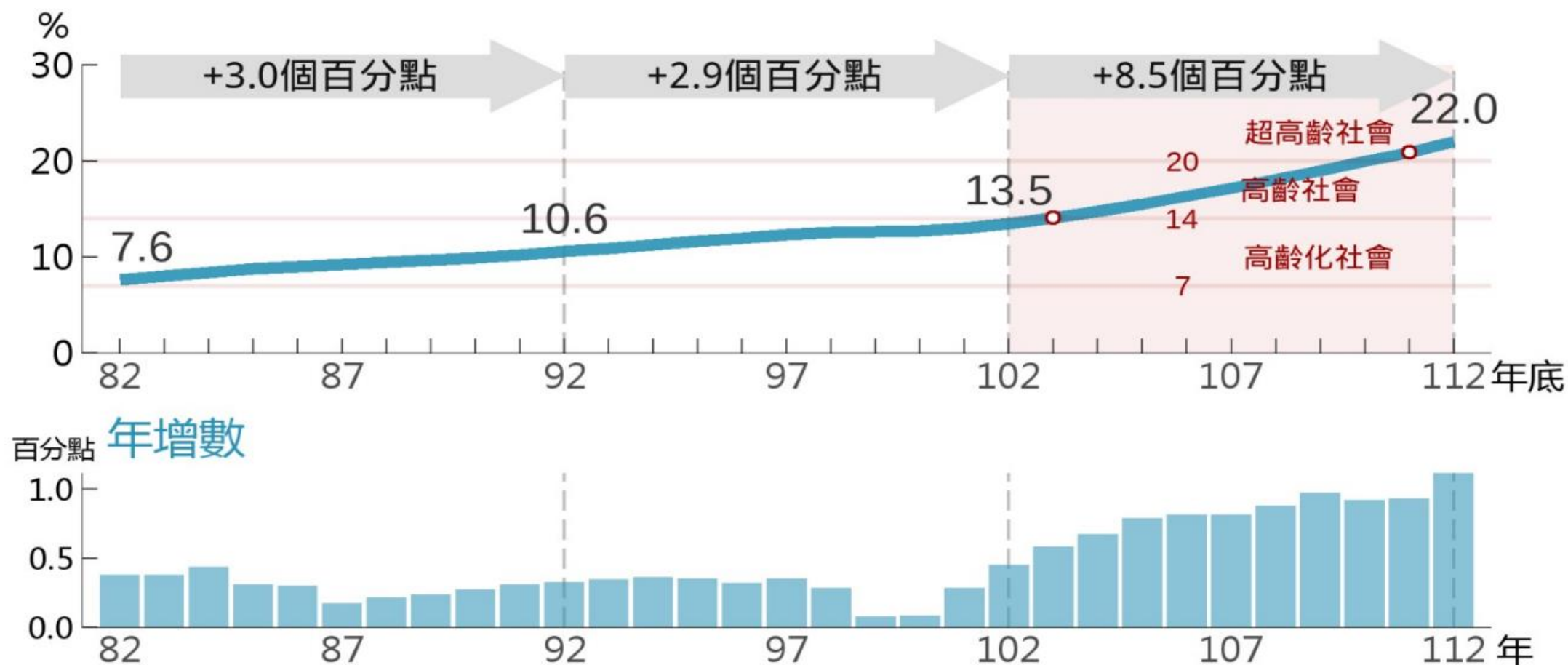
# 1. Origin (1)

- Taipei City is the capital of Republic of China (Taiwan)
- Population: **2.5 millions**
- 12 districts and **456 villages**



# 1. Origin (2)

- The Elderly population in Taipei City is increasing year by year
- Reaching the level of a **super-aged society on 2022**



# 1. Origin (3)

## Community vaccination sites in Taipei City

- Provide influenza/ COVID-19/ pneumococcal vaccines in
  - **Short term** (October to December)
  - **Large amount** (over 150,000 doses)
- Utilize **community facilities** (ex. village office, resident activity center)
- Serve **mainly elderly people**



# 1. Origin (4)

## Community vaccination sites

### Before- Citizens

1. Takes time to fill in personal information
2. Difficulty recalling vaccination history



# 1. Origin (4)

## Community vaccination sites

## Before- Medical staffs

1. A lot of paperwork

臺北市府衛生局「流感疫苗」、「臺北市65-74歲肺炎球菌疫苗」及「75歲以上肺炎球菌疫苗」接種名冊

接種地點：請於院所依實際執行接種之地點勾選。

流感疫苗接種對象類別欄位，請填下列代碼：1. 65歲以上長者；2. 50-64歲成人；3. 罕見或病患者；4. 重大傷病者；5. 10-49歲高風險慢性病人(含H1N1)；6. 孕婦；7. 6個月內嬰兒之父母；8. 6個月以上至國小入學前幼兒。

肺炎球菌疫苗接種對象類別欄位，請填下列代碼：1. 65-74歲長者；2. 75歲以上長者；3. 中低(低)收入戶。

疫苗接種完成接種後，接種人數統計按接種成果通報規定登入「流感疫苗管理系統(IVIS)」中。

疫苗接種完成接種後，請將個案接種資料上傳至全國性預防接種資訊管理系統(NHIS)，或交付轄區健康服務中心。

2. Artificial check vaccination records

3. Information is not integrated into one system



## 2. Methods

- Refer to the experience of Taipei City' s 'Village Office Digital Infrastructure Construction System'
- Develop Taiwan' s first 'Community Vaccination System'

### Citizens

- Bring their health insurance card
- Read by card reader
- Check vaccination history by system

### Medical staffs

- Pre-vaccination assessment by physician
- Complete vaccination by medical staffs

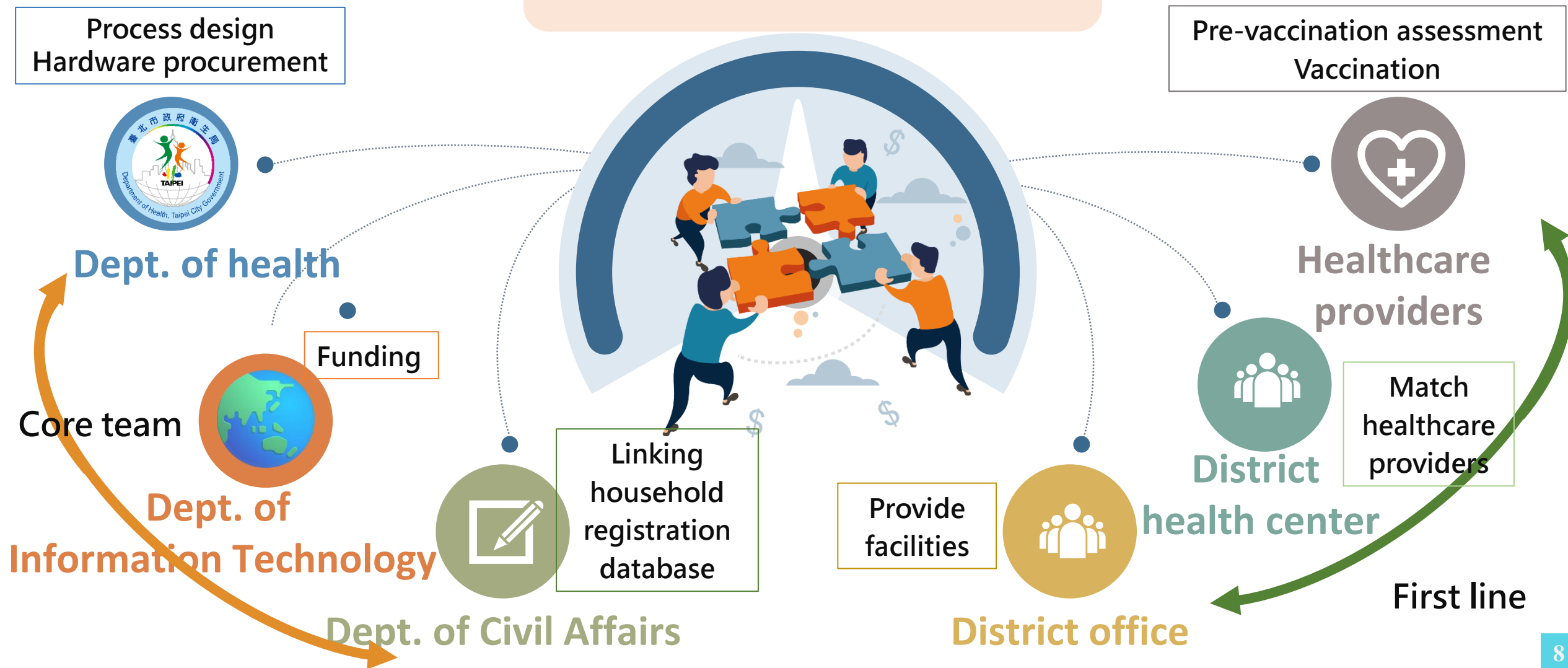
Cross-domain cooperation 





# 2.1 Cross-domain cooperation

## Digitization of community vaccination sites



## 2.2 System functions

### ● Front-End

On-site registration

Verify vaccination eligibility

Pre-vaccination assessment by physician

Complete vaccination by nurse



### ● Back-End

Management of vaccination sites

Management of vaccine information

Management of front-end users



## 2.3 Phases of the project

**2021:**  
Evaluate feasibility by  
a pilot program.



**2022-2023:** Promote  
electronic signing of pre-  
vaccination assessment and  
vaccination management.



**2024:**  
Established cross-platform web systems  
which can determine eligibility for multiple  
vaccinations and expand the fields of use.



# 3. Result (1)

01

## Convenience and improve efficiency

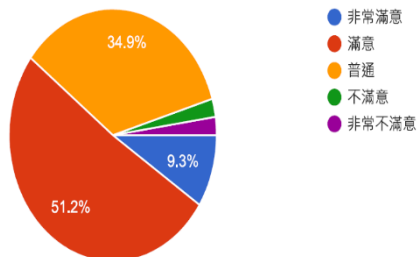


02

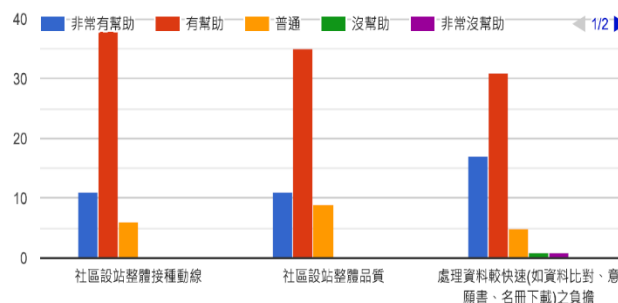
## High satisfaction by medical staffs

您對於 本府「社區疫苗接種便民服務系統」 醫師「評估關卡」或是護理師「接種登錄」 數位化的操作方式滿意度

43 則回應



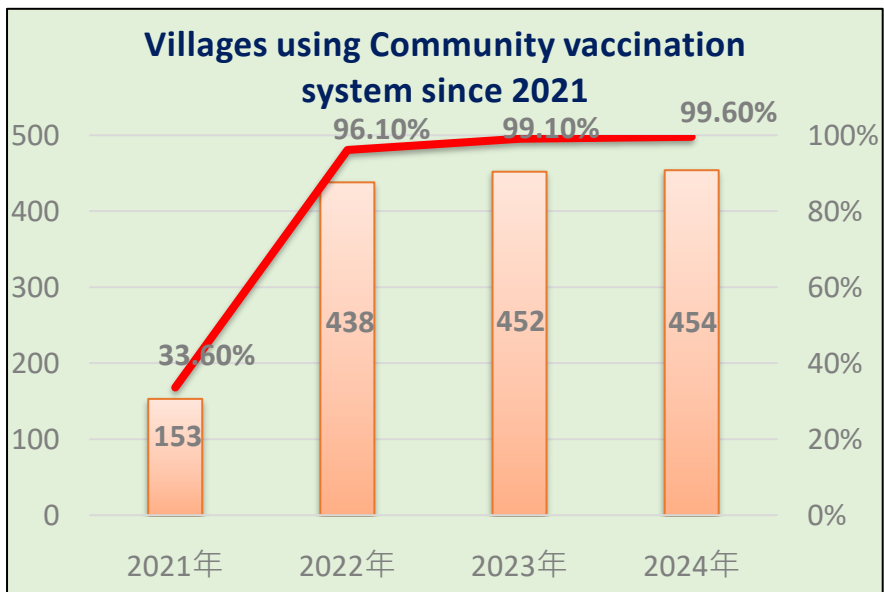
請問使用本府「社區疫苗接種便民服務系統」，是否改善社區站整體接種動線及品質？





# 3. Results (2)

## 03 Lightweight device, suitable for use in multiple fields



## 04 Improve government image



# 3. Results (3)

05

## Reduce paper consumption

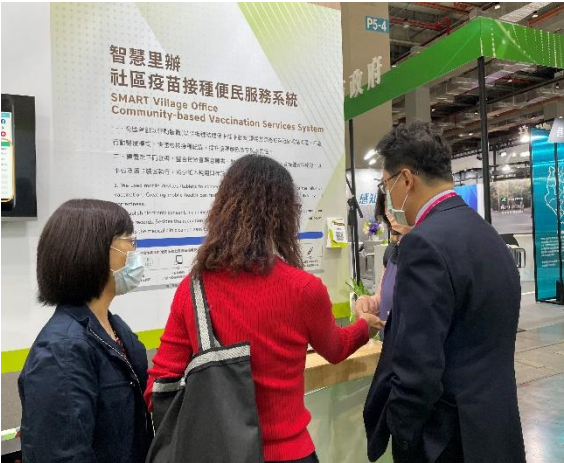


One click download



06

## Strengthening training and external display



# 4. Implementation of SDGs



**01** Strategy 1  
SDG3: Good health and well-being  
SDG9: Industry, innovation and infrastructure  
SDG11: Sustainable cities and communities

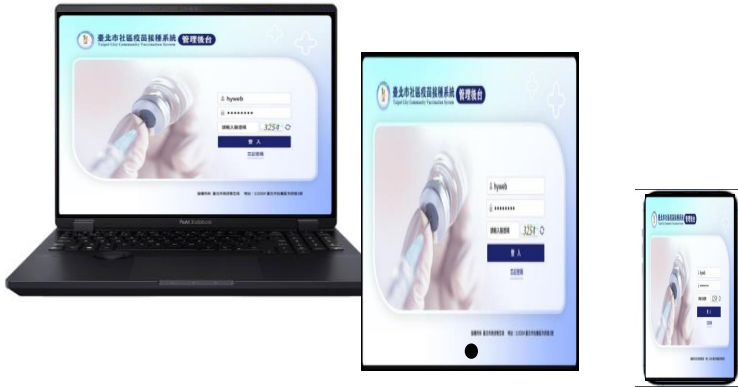
**02** Strategy 2  
SDG10: Reduced inequalities  
SDG12: Responsible consumption and production

**03** Strategy 3  
SDG17: Partnerships for the goals

# 5. Summary and Vision

以**智慧城市**共好為願景，透過**跨域合作**、**資源共享**達到本市**疫苗接種E化**目標

"Smart government" is the core value of Taipei City Government with the vision of smart cities for the common good, and through cross-domain cooperation and resource sharing to achieve the city's goal of digital vaccination.



Expand application fields



As a learning benchmark



整合醫療系統

Integrate medical systems



# THANKS FOR YOUR LISTENING

