



International Forum on Quality and  
Safety in Healthcare

# National Policy and Strategy on AI in Healthcare

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Potential for AI  
Application in Medical

Gartner : Top 5  
PwC : Top 3



**Morris Chang**



IoT + AI

Leading the 3<sup>rd</sup> IT wave

**Bill Gates**  Microsoft

10 Breakthrough Technologies

Gut Probe in a Pill · Customized Cancer Vaccines · Wrist-worn Electrocardiogram (ECG) Monitors · Predicting Premies · Robot Dexterity · Smooth-talking AI Assistants



# Taiwan's AI+biomedicine development advantage

**Asia**  
**No.1**

Innovation Country

Active involvement  
of ICT businesses



National level  
health  
insurance data  
bank



**Global**  
**No.1**

Outstanding Healthy  
Care System

**Asia**  
**No.1**

High-level  
Medical Care

Substantial  
clinical  
trial capability



**Global**  
**No.1**

Open Data

Strong ICT  
industry  
base



Outstanding doctors  
and AI talent



**Emerging  
Country**  
**No.2**

Biomedical  
Industry-Innovation

**Global**  
**No.1**

Strong Information  
Hardware Manufacturing

# Policies AI in Biomedicine

## Strategy

- 1 Complete ecosystem
- 2 Integrating innovation clusters
- 3 Linking with international market resources
- 4 Promoting distinctive key industries

Bio-tech Industry Innovation Promotion Program

Taiwan AI Action Program

- 1 Developing AI talent
- 2 Promoting Taiwan's leading role in AI
- 3 Deregulation and opening up of test sites
- 4 Building Taiwan into an AI innovation hub
- 5 Transforming industry with A

2025

Target

20

Numbers of new drugs sold in overseas market

80

Number of niche drugs sold in overseas market

1 trillion Output Values

2021

1

Global ranking for AI application in specific areas (ex. Medical, Manufacturing)

3

AI on Chip global ranking

20,000 AI talents

Inter-disciplinary cooperation



# Various policies to make the ecosystem complete

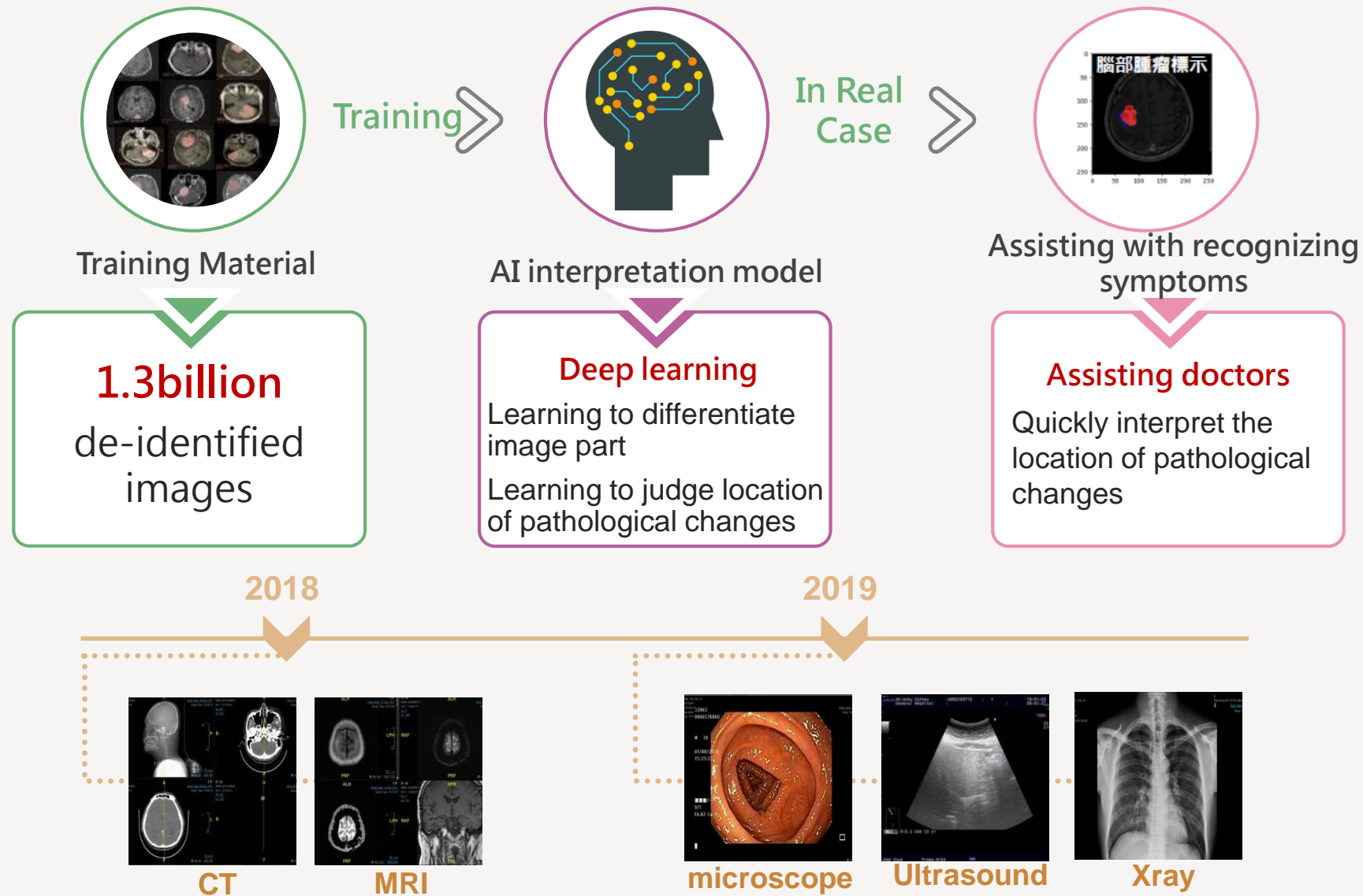


400 employment gold cards have been issued to foreigners in specific professions

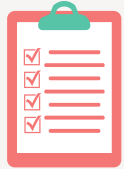
NT\$100-billion Industrial Innovation and Transformation Fund  
NT\$2-billion Angel Investment Program



# Policy case- Development of Medical Imaging AI

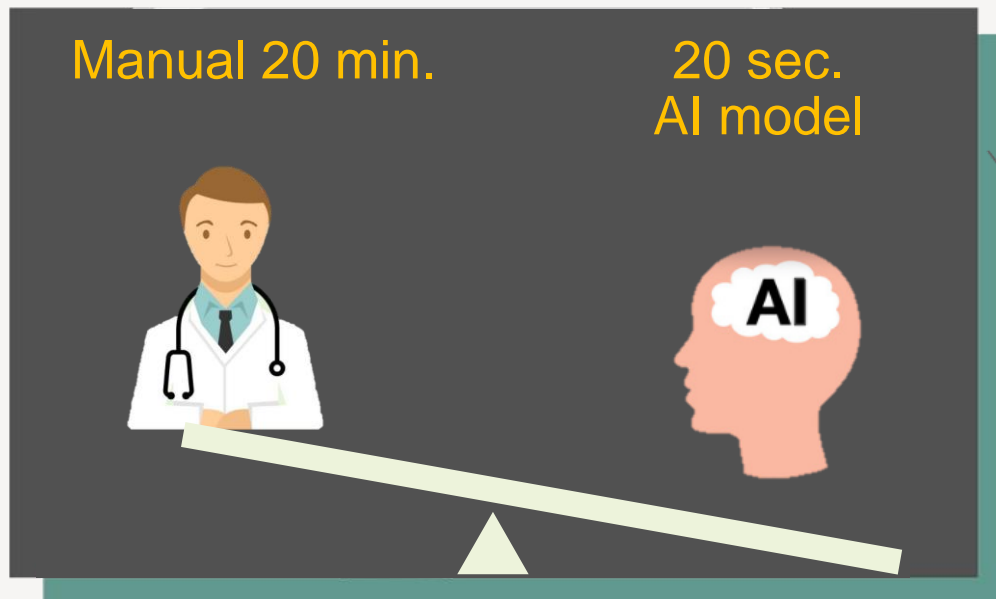


## Application case- Taipei Veterans General Hospital +AI Labs



The AI automatic intracranial tumor detection system increases the efficiency of tumor imaging identification

### Marking time



# Conclusion



**Bio-medicine combined with AI is a future trend; Taiwan possesses advantages globally**



**Give young people a bright future; give people happy lives**



**Taiwan's excellent ICT and medical treatment capabilities can make contribution to the world**