



# Shape the Future of Precision Health

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Office of Science and Technology  
Executive Yuan,  
Taiwan R.O.C



# Bright Future Ahead

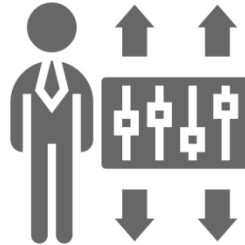
Reshape the Future after Pandemic Retreats

# Future Readiness: Key Capabilities for 2030



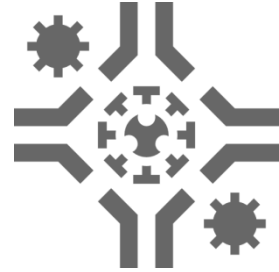
## Digitalization

Internet of Things  
Transition between VR & RW  
Data Integration & Applications



## Agility

Interdisciplinary Cooperation  
Policy Reforms and Efficiency  
Reorganization of Supply Chains



## Precaution

Health, Wellness and Safety  
Prevention Diagnostics and Medicine  
Biomedical Technology and Innovation

\*VR: Virtual Reality

\*RW: Real World

# Comes out on Top in World Rankings



**Macro-Economic Stability**

WEF Global Competitiveness Report 2019



**Healthcare System**

Numbeo Health Care Index 2021



**IT & Media Stock  
Market Capitalization**



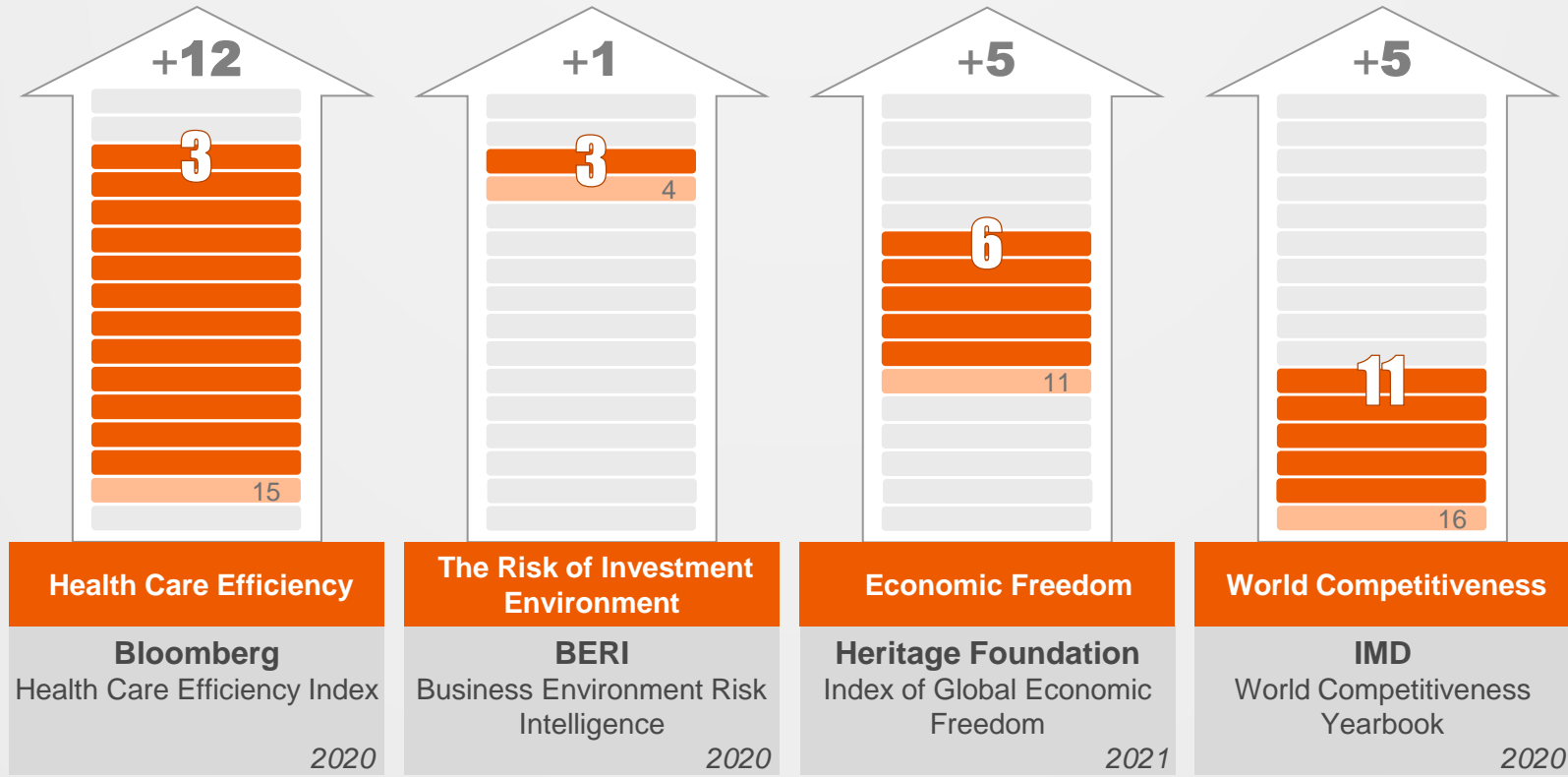
**Mobile Broadband  
Subscribers**



**Agility of Companies**

IMD-World Digital Competitiveness Ranking 2020

# Excellent Performance in Different Aspects



The Latest Ranking  
Previous Year Ranking



# Lay the Foundations

Policy Implementation • Energy Accumulation



# Prospects for Taiwan in 2030



## Innovation

An Innovative Society with  
Digital Technology



## Inclusion

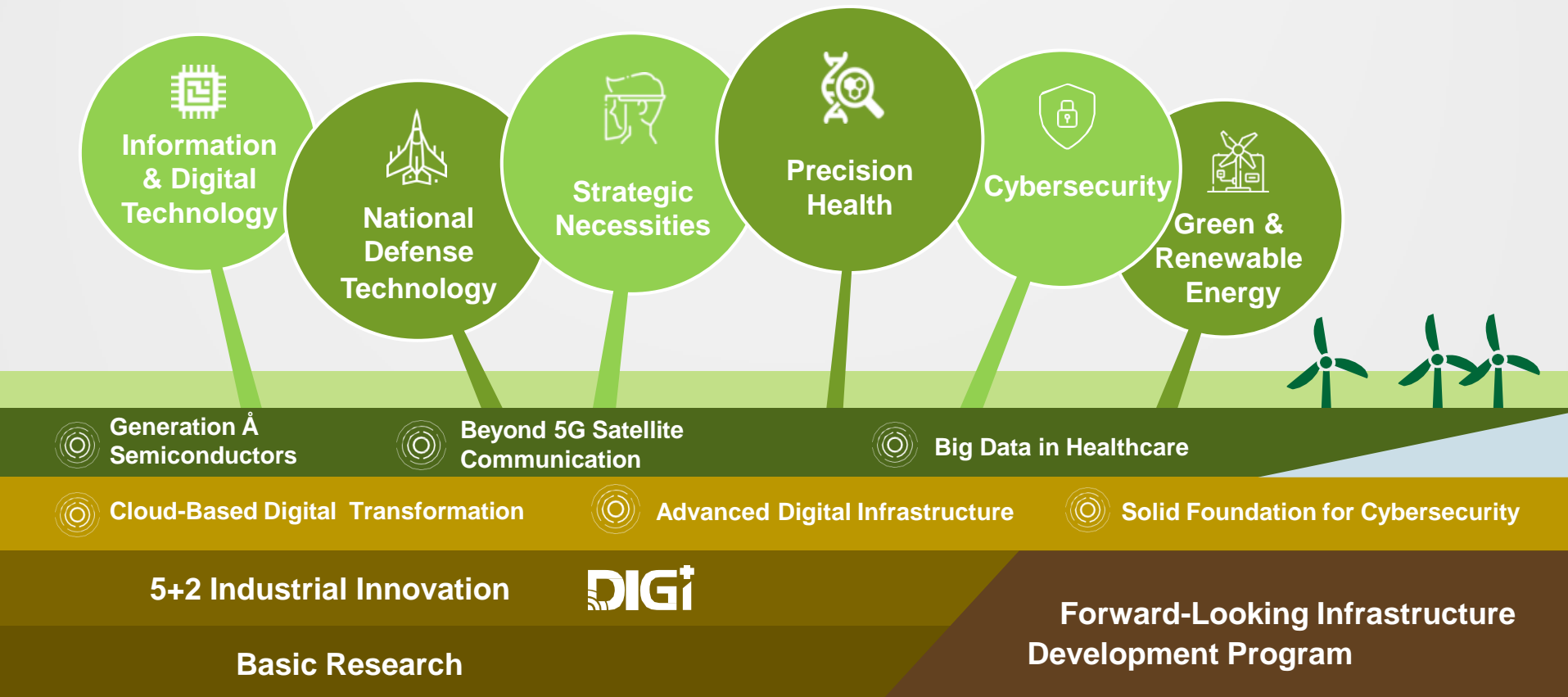
A Diverse Society with Cross-Cultural  
and Intergenerational Communications



## Sustainability

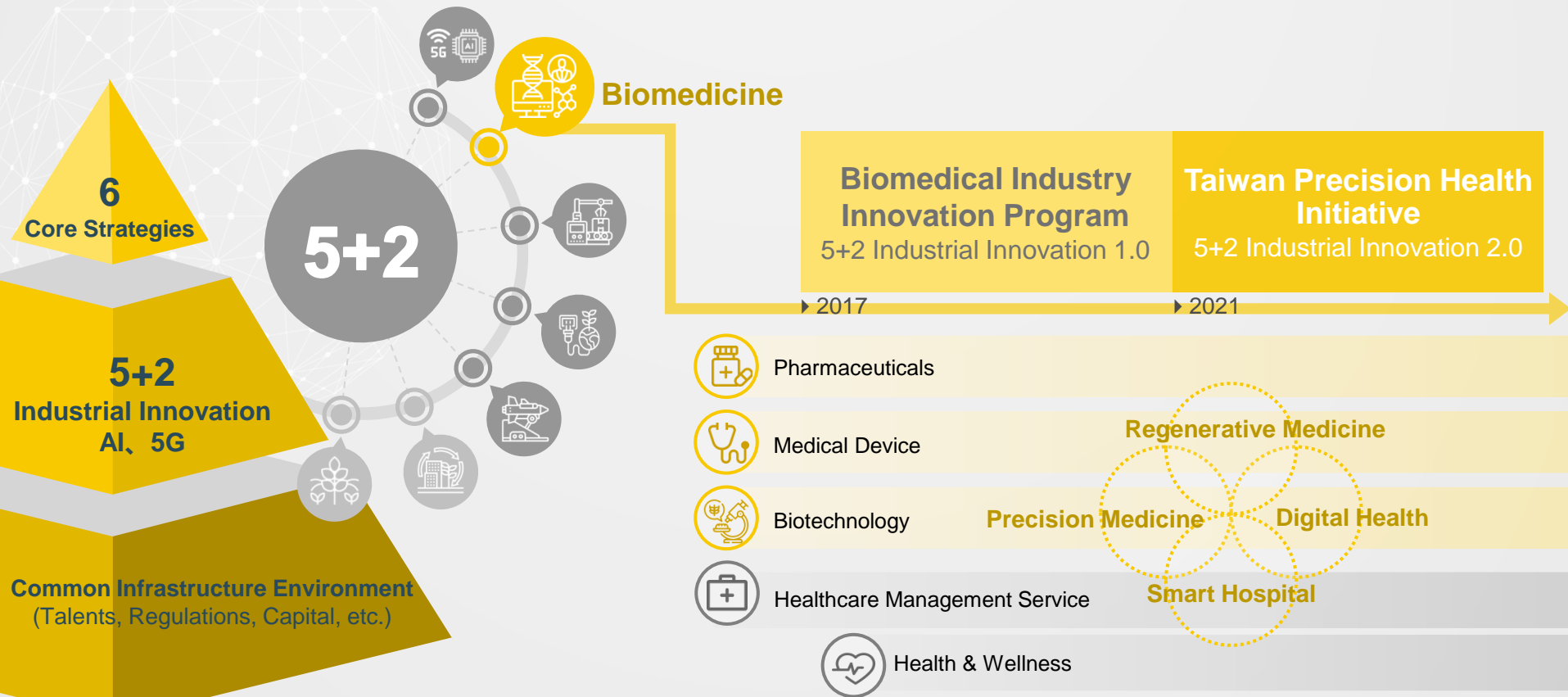
A Sustainable Society with Recycling,  
Regeneration and Resilience

# Transforming into a Sustainable & Smart Country





# Next Step of Taiwan's Biomedical Policy

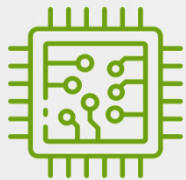




# Strive for Excellence

Interdisciplinary Collaboration • Maximum Leverage

# Building Taiwan into a Global Biomedical Innovation Hub



## ◆ Leading Position in ICT Production/Design

- No.1 / Global IC Water Fab Capacity
- No.1 / Global IC Packaging Production Value
- No.2 / Global IC Design Production Value



ICT



## ◆ National Health Insurance Database

25 Years of Data Collection

## ◆ World-Class Quality in Medical Technology

## ◆ Well-Qualified Healthcare Professionals

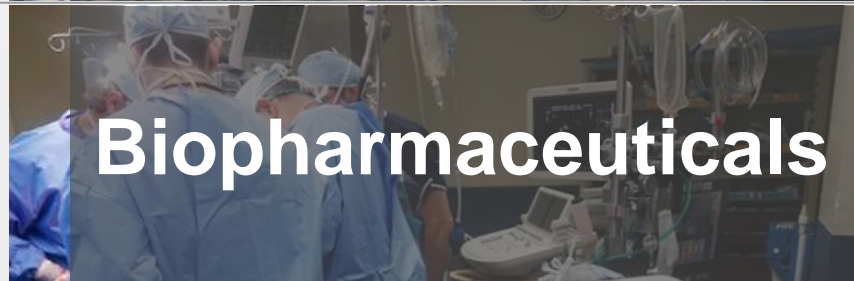


Healthcare System



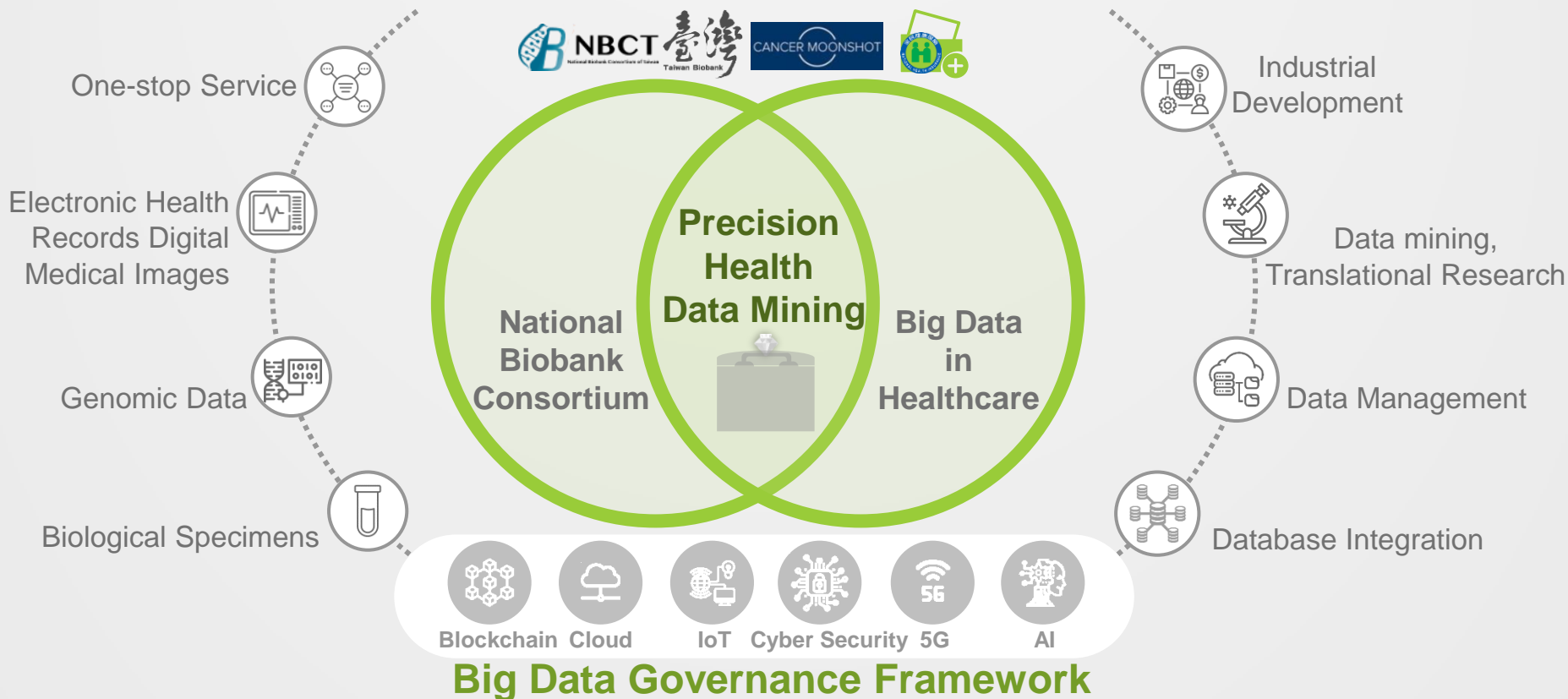
## ◆ International Competitiveness in Biomedical Innovation

- No.2 / Newcomer Economies Biopharmaceutical Competitiveness
- No.4 / Biotechnology Innovation in Asia



Biopharmaceuticals

# Resource Integration Paves Way for Precision Health Development





# Break New Ground

A Vision to Health for All Ages

# Five Strategies for Promoting Taiwan's Precision Health Initiative





# Interdisciplinary Collaboration for Precision Health Initiative

## Precision Health Total Solution

Biomedicine

Technology  
Integration

ICT

## Branding Taiwan

### Comprehensive Ecosystem



- ▶ Policy Incentives
- ▶ Regulatory Adjustments



- ▶ Interdisciplinary Talents
- ▶ Employment of Foreign Professionals



- ▶ Friendly Investment Environment



- ▶ Comprehensive Cluster Infrastructure

Research  
Development



Industrial  
Development



Precision  
Health



Database



Infrastructure

Data Integration

Platform

Value-Added Applications

### International Cooperation

- ▶ International Initiative
- ▶ Public-Private Partnership
- ▶ Marketing Partnership



### Epidemic Prevention

- ▶ Niche R&D
- ▶ Research Collaboration
- ▶ Resilient Supply Chains



### Technology Applications

- ▶ AI Application
- ▶ Testbeds
- ▶ Novel Biomanufacturing Technology

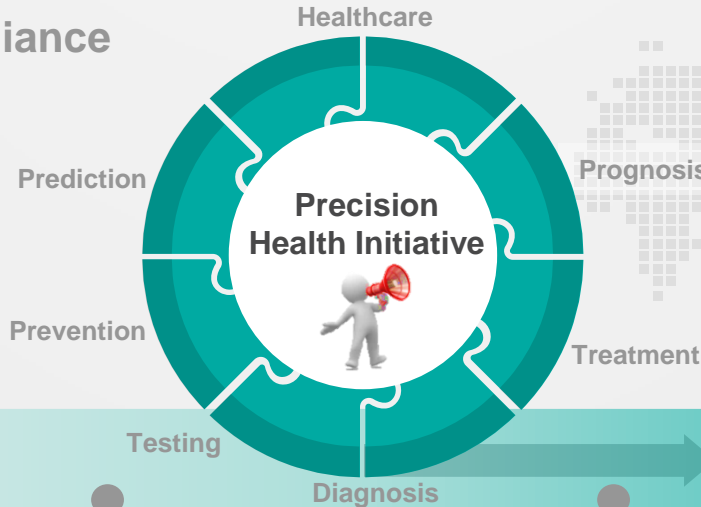


# Taiwan Takes a Healthy Lead

International Alliance



DATA	TEST BEDS
Genomics	Community
Clinical Practice	Hospital
Lifestyle	Healthcare



- ▶ Smart Value-Added Service
- ▶ Optimal Utilization



The background of the slide is a photograph of the Taipei 101 skyscraper in Taiwan, illuminated at dusk. The building's lights are on, and the sky is a mix of orange, pink, and blue. Other city lights are visible in the distance.

# Thank You

Let Taiwan Be Your Best Partner

