



World Health Organization

# WORLD HEALTH ORGANIZATION PLANS FOR USING BIG DATA AND ARTIFICIAL INTELLIGENCE TO ACHIEVING UNIVERSAL HEALTH COVERAGE

Bernardo Mariano Junior  
CIO for World Health Organization





Where you live in the world dramatically affects  
your access to essential health services

**#HealthForAll**

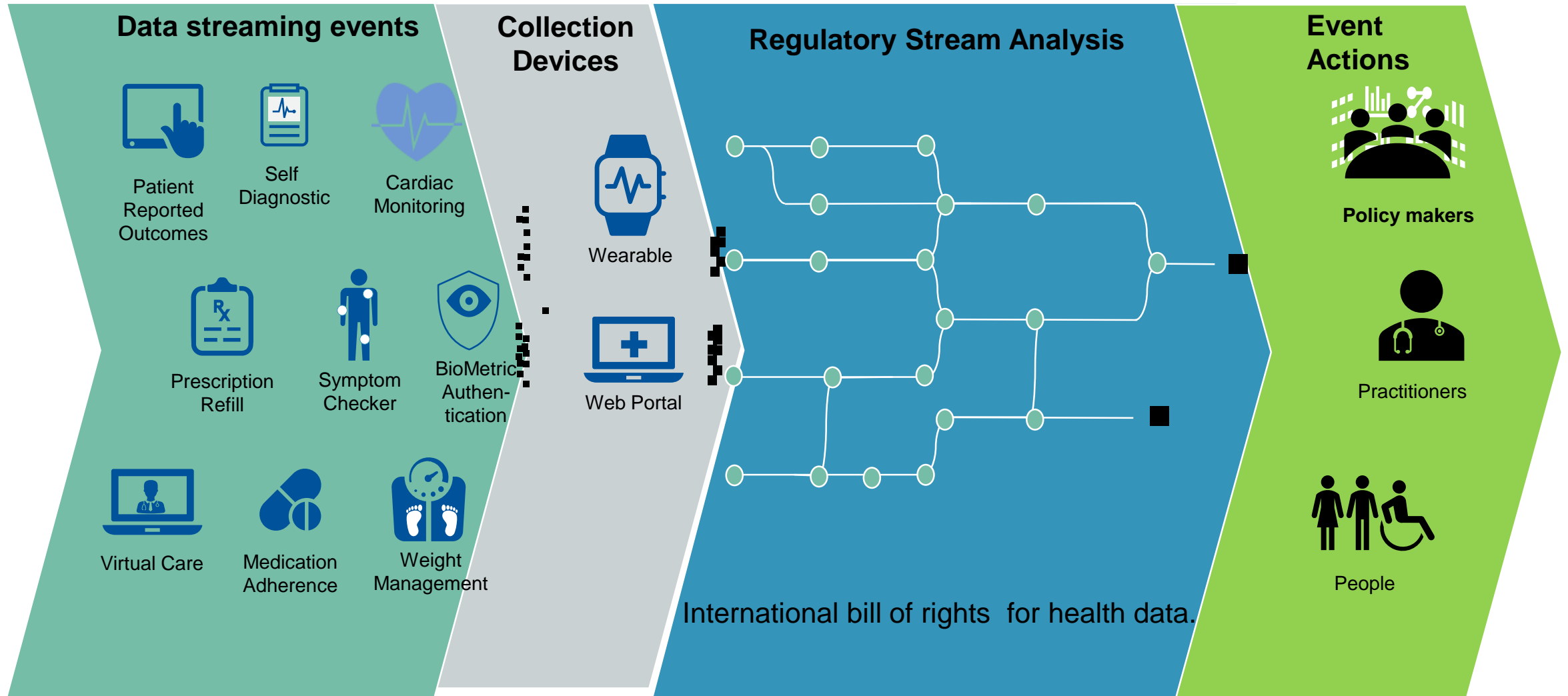


## Key concerns of AI

- **Ethics, Privacy, confidentiality, data security, consent and data ownership.**
- **Quality of data set and the time to build and learn.**
- **Understanding of local, social, Epidemiological context.**
- **Internet connectivity and low resource setting.**



# Value creation through data streaming and regulatory processes in Healthcare



# GLOBAL DIGITAL HEALTH STRATEGY AND ACTION PLAN

SO1	Promote global collaboration and advance the transfer of knowledge on digital health
SO2	Advance implementation of national digital health strategies
SO3	Strengthen governance for digital health at global and national levels
SO4	Advocate for people-centered health systems enabled by digital health

# DIGITAL HEALTH & INNOVATION

**STRATEGY &  
GOVERNANCE**

**DIGITAL PUBLIC  
HEALTH  
TECHNOLOGIES**

**CAPACITY  
BUILDING &  
COLLABORATION**

**INNOVATION**

- Digital health technical advisory group
- Ethics & governance of AI
- Regulators meeting on AI
- Global meeting on digital health – challenges and opportunities
- International Digital Health & AI collaborative research
- Identify case studies of the use of Big Data and AI

**We must ensure the  
AI revolution is safe,  
sustainable  
and leaves no one  
behind.**

