Digital Health @ Population Scale
Technology Enablers

National Digital Health Architecture

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Global Conference on Digital Health
'Taking UHC to the last citizen'
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Objectives of Digital Health Architecture

- To **align** IT initiatives to health-related **SDGs**

- To enable development of **person-centric** health solutions

- To effectively manage and secure **core health data**

- To ensure **interoperability** of digital health systems

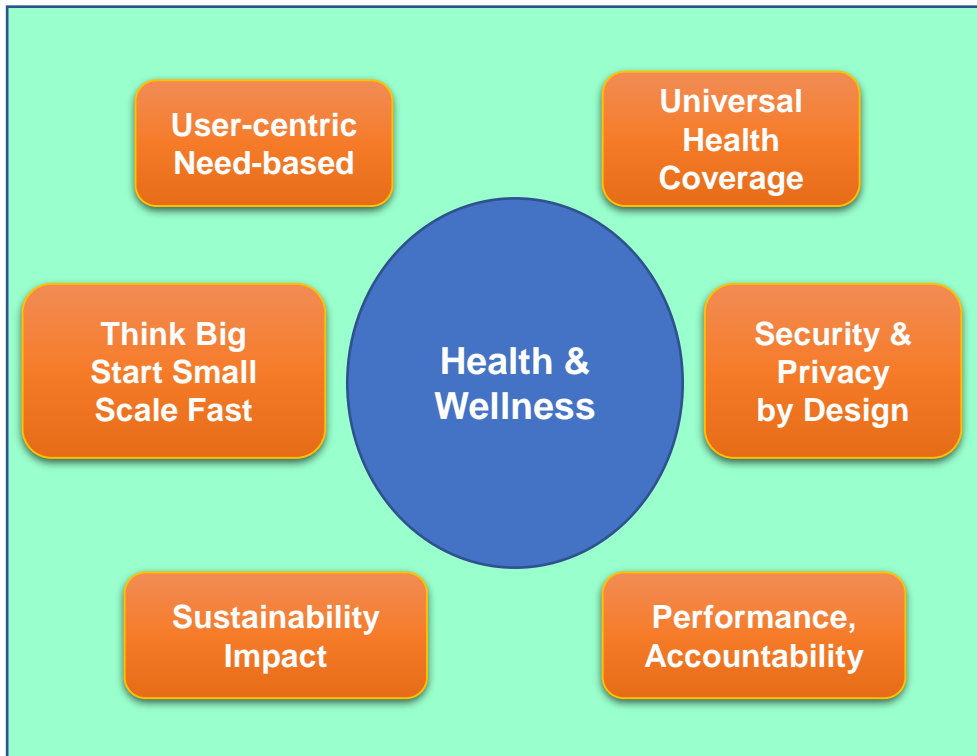- To support efficient and effective **governance**

Principles of Digital Health Architecture

Domain Principles
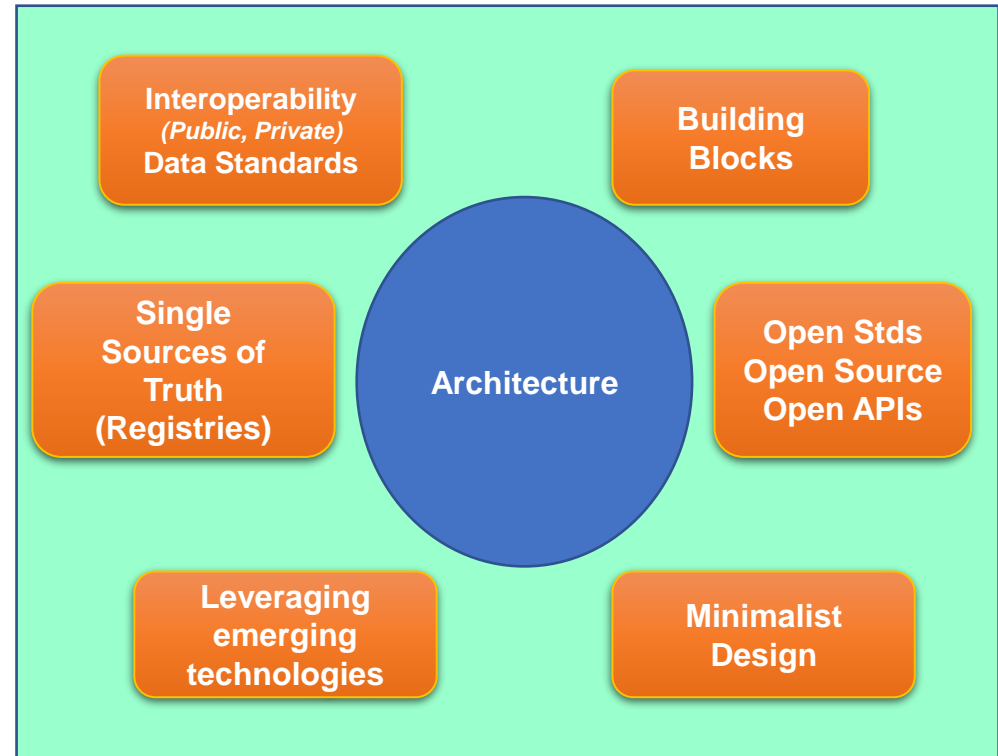
- User-centric Need-based
- Universal Health Coverage
- Think Big Start Small Scale Fast
- **Health & Wellness**
- Security & Privacy by Design
- Sustainability Impact
- Performance, Accountability

Technology Principles

- Interoperability (Public, Private) Data Standards
- Building Blocks
- Single Sources of Truth (Registries)
- **Architecture**
- Open Stds Open Source Open APIs
- Leveraging emerging technologies
- Minimalist Design

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Core Building Blocks of Digital Health Architecture

Universal Health ID
A number to uniquely identify individuals, to authenticate them, and to crate longitudinal health record of individuals across multiple systems and institutions
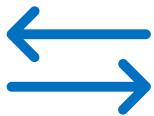
Healthcare Professionals Registry
A repository of the profiles of healthcare professionals and workers, to uniquely identify them, and to authenticate them to function across multiple systems and institutions

Health Facilities Registry
A repository of the information on healthcare institutions - hospitals, clinics, diagnostic labs, and pharmacies.

Unified Health Interface
An open protocol that supports interoperability of digital health services.

PHR (Personal Health Record)
A longitudinal record of health-related information stored, managed and controlled by an individual.

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Critical Success Factors

- Leadership & Governance

- Digital Health Strategy and Investment

- Enabling policies and regulations

- Participatory process of design and development

- Building Digital Capacity and Digital Culture

- Dedicated institutional mechanisms

Thank You