



National Digital Health Blueprint

First Step in building a Digital Health Ecosystem

India

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Evolution of NDHB



Key Features of National Health Policy 2017

- Universal Health Coverage
- Continuum of Care
- Better Access
- Better Quality care at lower cost
- Citizen-centricity
- **Holistic Approach**
- **Federated** National Health Information Architecture

Digital Health Ecosystem

**Unique
Health Identifier**

**Electronic
Health Record**

Standards

Security & Privacy

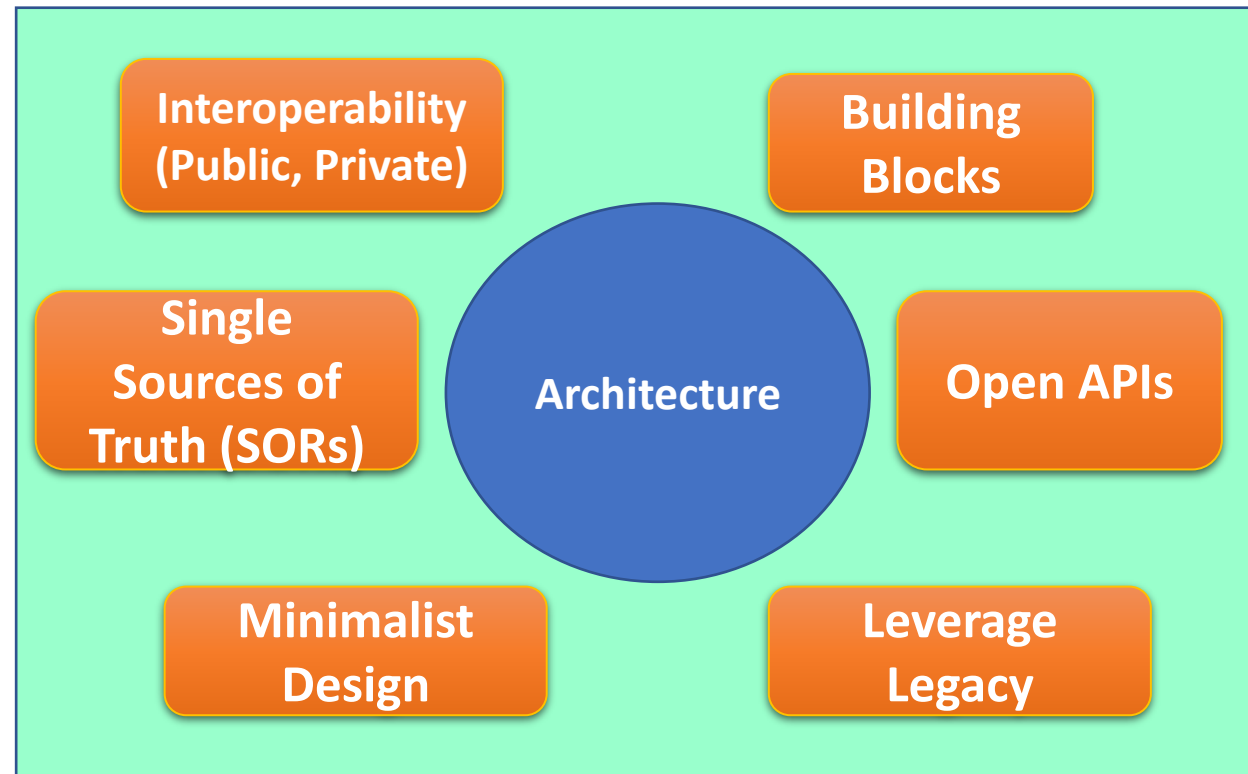
Federated Architecture

Principles of Digital Health Eco-system

Domain Principles



Technology Principles



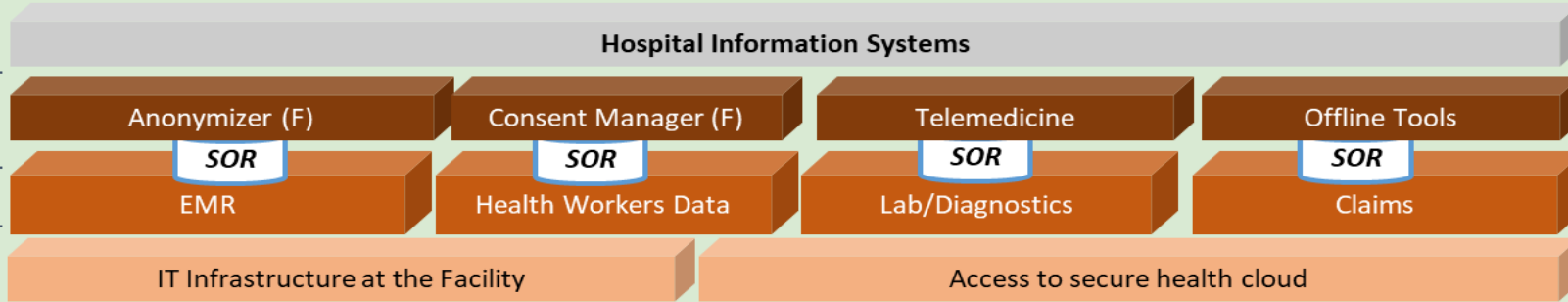
Federated Architecture of NDHB

Citizen Access



LOCAL

Applications
Technology Building Blocks
Data
Infrastructure

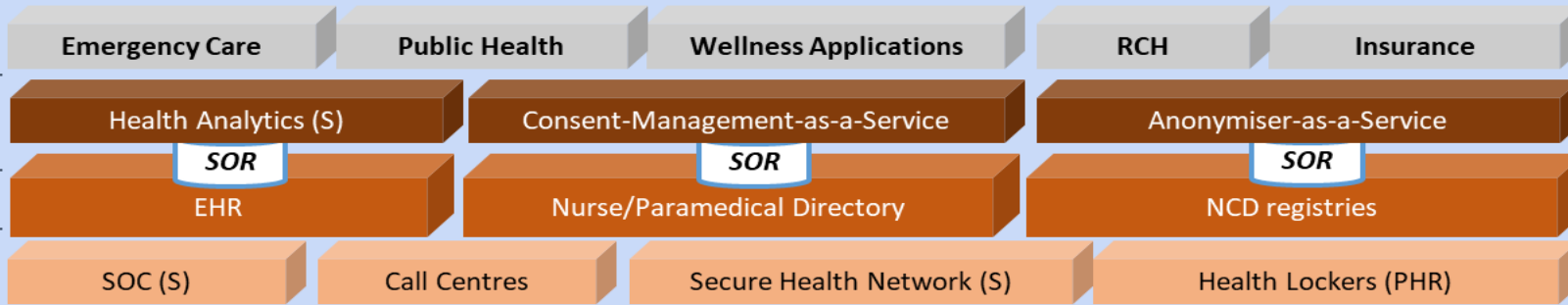


Local

Public/ Private

STATE

Applications
Technology Building Blocks
Data
Infrastructure

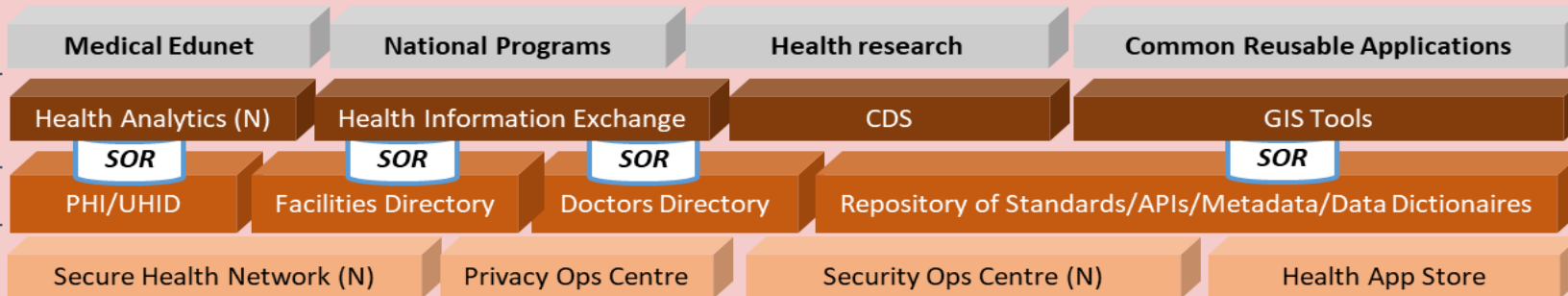


Distributed

Public/ Private

NATIONAL

Applications
Technology Building Blocks
Data
Infrastructure



Centralized

Public Assets

Digital Health Services envisaged by NDHM

Citizen/Patient Services	
1	Single, Secure Health Id to all citizens
2	Personal Health Record
3	Single (National) Health Portal
4	App Store
5	Specialized Services for Remote Areas/ Disadvantaged Groups
6	NDHM Call Centre
7	Digital Referrals & Consultations
8	Online Appointments
7	e-Prescription Service
8	Digital Child Health
9	National "Opt-out" (for privacy)

Services by / for Healthcare Providers/ Professionals	
10	Summary Care Record
11	Open Platform to access Emergency Services
12	Technology for Practitioner (GP) Transformation
13	Digital Referrals, Case Transfers
14	Clinical Decision Support (CDS)
15	Digital Pharmacy & pharmacy Supply Chain
16	Hospital Digitization (HIS)
17	Digital Diagnostics
Technical Services	
18	Architecture & Interoperability
19	Health Information Exchange
20	Standards
21	Health Network
22	Data & Cyber Security
23	Information Governance

Status of Implementation

- Pilot being implemented in 6 geographies
 - 3.5 mil population; 2300 health facilities
- **Core Building Blocks** developed
 - Health ID (Registry)
 - Health Facility Registry
 - Doctor Registry
 - Web EMR
- **National Health Data Management Policy**
 - Consent Management, Privacy and Security
 - Public consultation has been completed

NDHM - Way Forward

- Focus on **Core** Building Blocks
 - Design, development, operation & maintenance
- Facilitate development of other Building Blocks
 - By private sector, **startup** community
 - promote **investments**
- Promote/ incentivize **adoption** of health informatics standards
 - FHIR-4, SNOMED-CT, LOINC, ICD10
- Support **Innovation**, use of emerging technologies
 - NDHM **Sandbox** (<https://sandbox.ndhm.gov.in>) operational from Aug 20
 - **Value-added services**
- Build **Capacities & Awareness**

Thank You

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