



OHDSI
OBSERVATIONAL HEALTH DATA SCIENCES AND INFORMATICS

OHDSI India Chapter

From Raw Data to Reliable Evidence

Agenda of the Day

The Role of RWE in Indian Healthcare

- Overview of the Indian Healthcare System
- Real-World Evidence (RWE) in India – Challenges, Opportunities and Current Status

OHDSI India

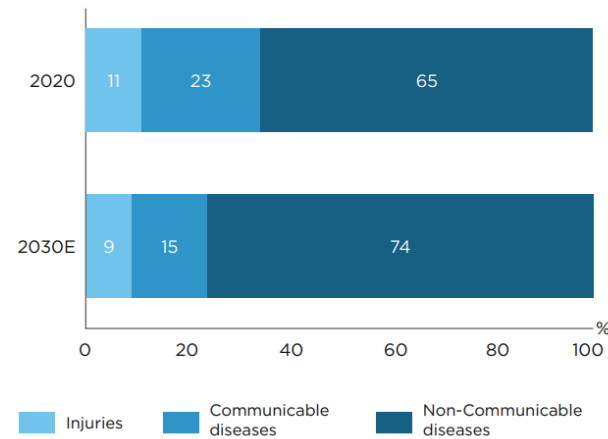
- Current Pursuits, Learnings and Future Goals

Indian Healthcare Landscape and Disease Burden

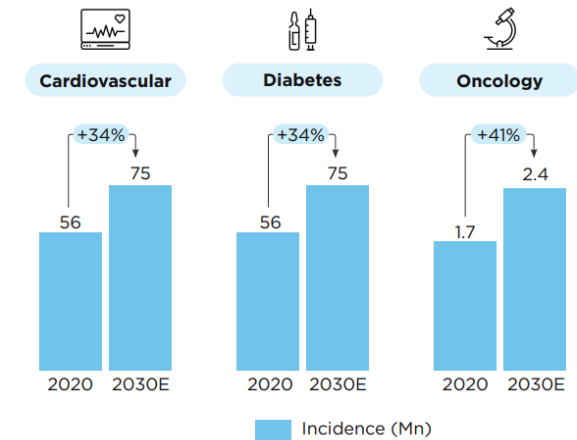
- India Health sector is heterogeneous. It is a mix of private and Public Sector.
- Healthcare is provided at all 3 levels – tertiary (urban), Secondary (Semi-Urban) & Primary (Rural).
- Healthcare facilities varies significantly across all the levels.
- India’s Primary Health Burden is transitioning from communicable to non-communicable diseases.
- Communicable diseases like malaria and tuberculosis persist but have declined with public health efforts.
- Non-communicable diseases, especially cardiovascular diseases and diabetes, dominate mortality rates.

India’s disease profile has shifted significantly in last two decades — NCDs accounted for over ~65% of disease burden in 2020

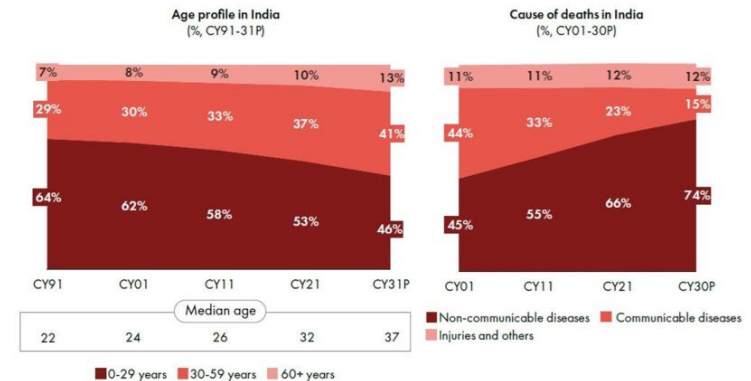
NCDs¹ are the leading cause of morbidity/mortality in India



Rising incidence of chronic diseases will require innovation in healthcare delivery [Select Examples](#)



Age profile and disease burden in India



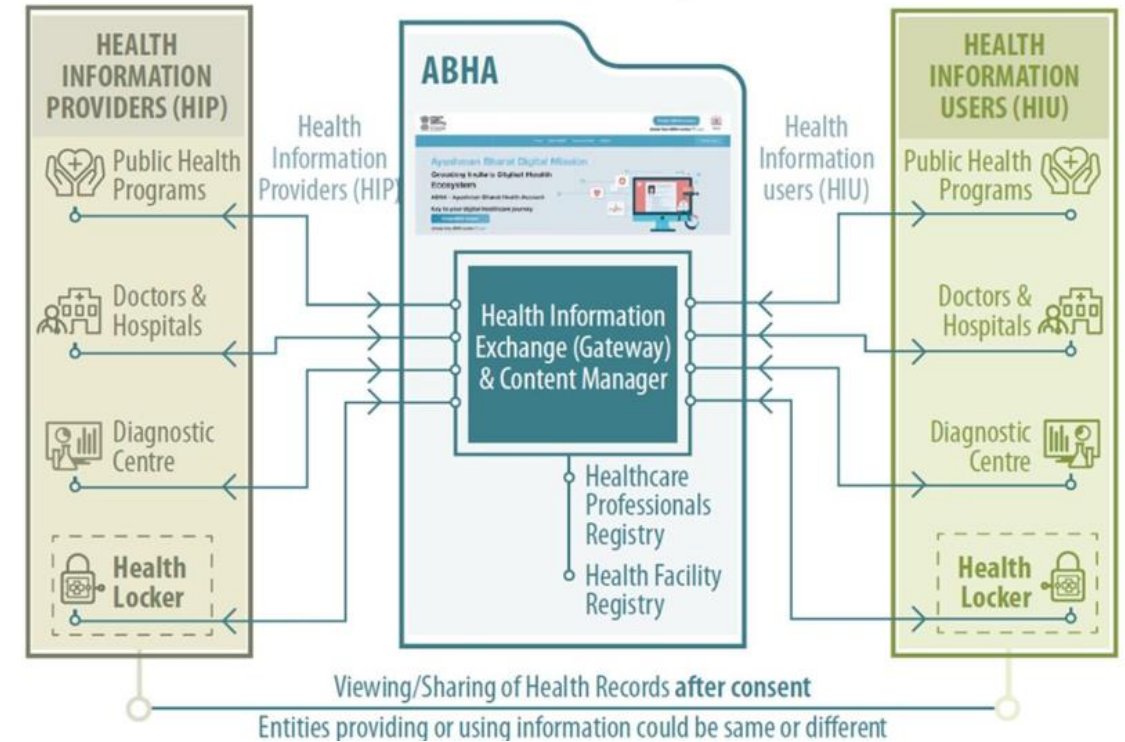
Data Challenges & Role of RWD/E with ABDM in India

22% of Indian population have health transactions through ABDM, and it's growing rapidly.

- Fragmented Data Sources
- Lack Of Standardization
- Low Digital Adoption
- Inconsistent Quality

ABDM helps transform siloed data into a unified, linear patient journey, enabling comprehensive data capture.

- Personal Data Protection Bill
- Weak Consent Mechanisms
- Low Awareness Of Data Rights
- Underdeveloped Cybersecurity



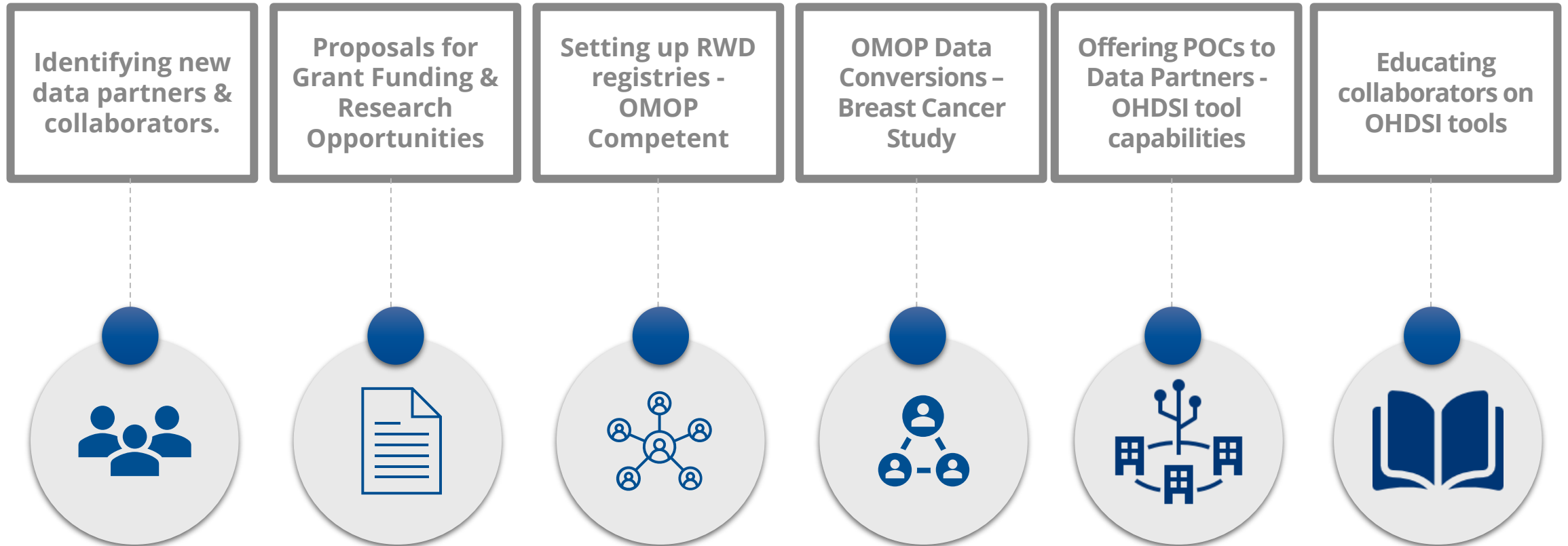
OHDSI India Chapter Roadmap



Goals for 2025

- **Onboard New Data Partner,**
- **Establish A Certification Program For OMOP Data Conversion,**
- **Host 2nd Symposiums And Community Calls,**
- **2 Studies And Publications**

OHDSI India Chapter - Ongoing work



Learnings

Raising awareness to stakeholders on RWD/E plays a key role

Most hospitals are not research centric, but now focusing on innovation to improve patient care

Digital initiatives are gaining attention from top management, and RWE topics are becoming important

Data quality is poor, and hospitals rely on external partners for data cleaning due to lack of resources

Collaboration with the government and industry is needed to support research based on data

Importance of adopting data standardization alongside with regulatory policies is mandatory

Building capacity and developing skills is crucial for further progress

Join The Journey – OHDSI India Chapter






Thank You



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