

SOLUTION FOR DIGITIZING RURAL HEALTHCARE INFRASTRUCTURE



eHealthSystem Technologies
Unified, Connected, Interoperable
& Secure Healthcare Delivery System

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About eHealthSystem

**Internationally Patented Technology
interconnecting all Healthcare Service
Providers on one single Platform**

**Provides dashboards to the Government
to draw a health index to help manage
population health policy and reduce
healthcare costs**

**Creates Health Information Exchange
(HIE) & digital bridge between
Government, Healthcare Service
Providers and Citizens**

Consortium Partners

TCIL - Telecommunications Consultants India Ltd

RAILTEL - RailTel Corporation of India Ltd

OSIC - Orissa Small Industries Corporation Ltd

SHOBHIT Institute of Engineering & Technology
(Deemed To-be University) Meerut

NEXGEN Financial Solutions Pvt Ltd

TRIGYN Technologies Ltd

RUSHMORE Group of Companies

COLORPLAST Systems Pvt Ltd

Vision

**Global Digital Platform connecting
Government, Healthcare Ecosystem and
Citizens**

Mission

**Holistic Wellness for
Body, Mind & Spirit**

Action

**Internationally Patented Technology,
HIPAA Complaint, Dedicated Approach
& World Class Service Delivery to last
mile.**

Shri Nikhil Pavan Kalyan IAS, Collector & District Magistrate, Sundargarh, Odisha





 **CMO Odisha** ✓
@CMO_Odisha

...

With strategic intervention under [#Matrujyoti](#), delivery deaths have declined significantly in Sundargarh district. The programme offers free ultrasound and other tests to every woman during pregnancy, helping save precious lives. [#OdishaCares](#) @DMSundargarh



Sundargarh Sees Reduction in Delivery Deaths as 'Matrujyoti' Shows Pro...
Sundargarh: The number of delivery deaths in Sundargarh district has shown a decline in the past six months as compared to the previous perio...
newsroomodisha.com

10:12 AM · Aug 1, 2021 · Twitter for Android

Age Group Wise Health Check-Up – Sundargarh, Odisha



Below 18



19 to 40



Above 40+

















ANIKRA FOUNDATION
के द्वारा
रेफरल अस्पताल, कल्याणबिघा
में लोक निजी साझेदार
(PPP MOD)
निःशुल्क डिजिटल

डॉक्टर आपके द्वार
सभी के लिए निःशुल्क निवारक स्वास्थ्य जाँच


Unified | Connected | Interoperable

रेफरल अस्पताल, कल्याण बीघा, जिला - नालंदा, बिहार

बीमार नही रहा लाचार,
हो रहा मुफ्त उपचार


PM-JAN

10 करोड़ से अधिक चयनित परिवारों,
50 करोड़ से अधिक व्यक्तियों को लाभ मिलेगा

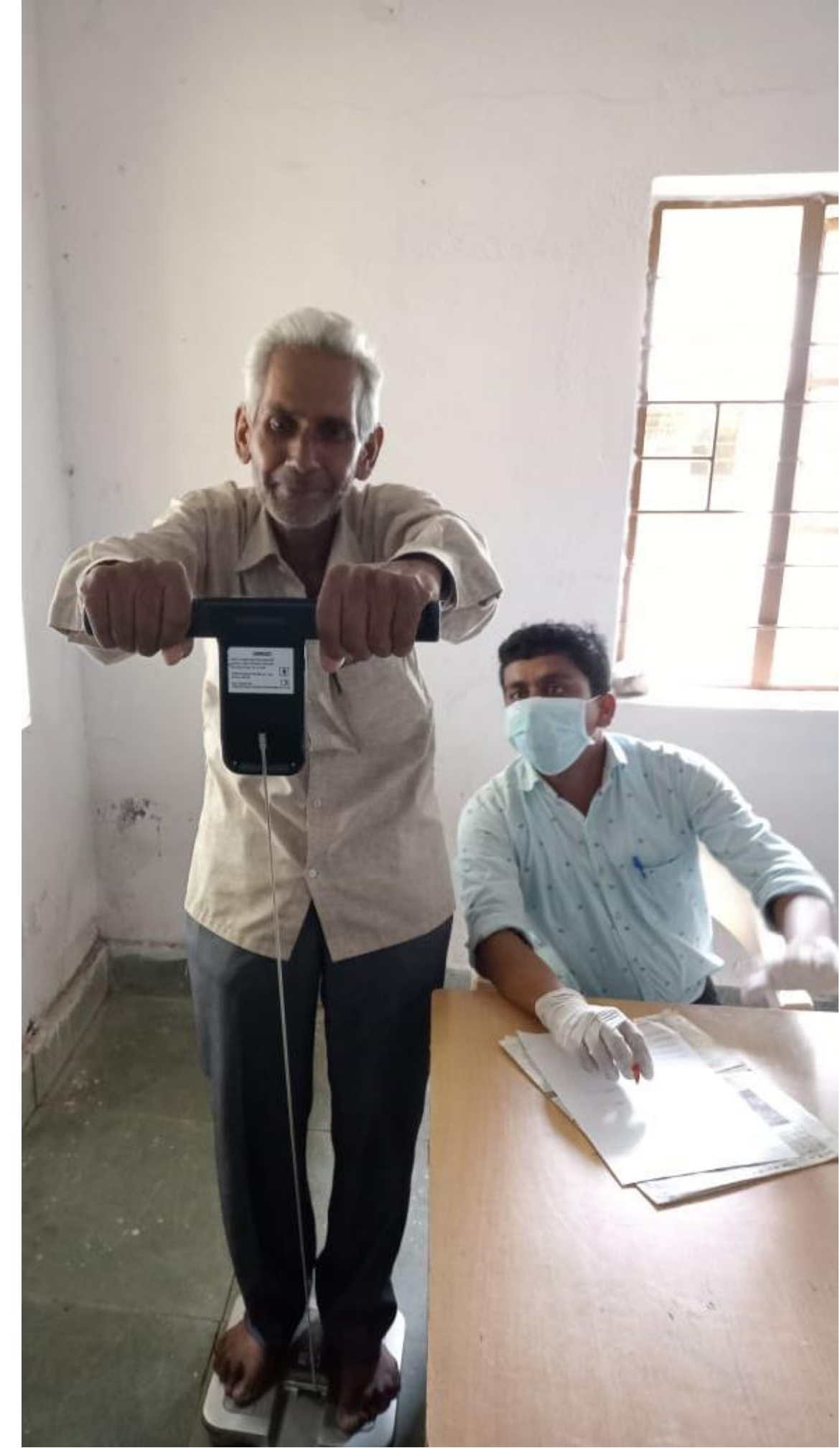

Rh Kalyanbigha

Shri Pratyaya Amrit IAS, Additional Chief Secretary, Health & Family Welfare, Bihar, India











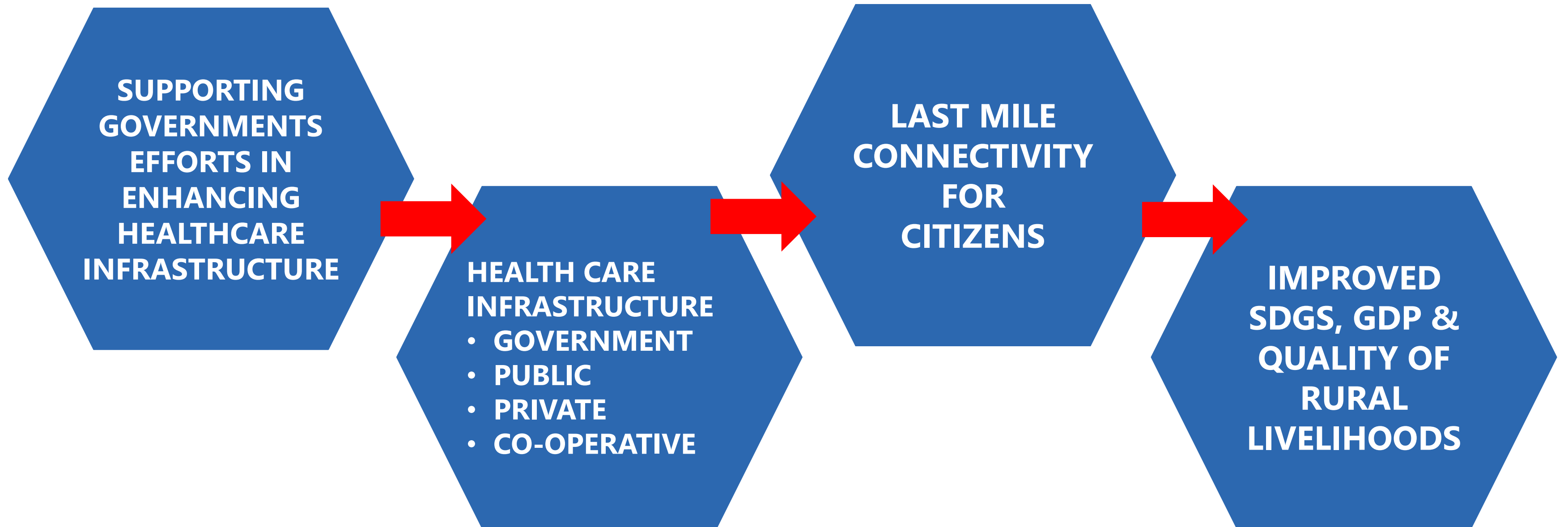
Our Offering to AARDO Member Countries to Enhance Rural Healthcare

- **Preventive Door to Door Health Check-up.**
- **Health Facility Directory for all Citizens.**
- **Ward wise clinics connected to Dashboard & Command Centre.**
- **Additional employment Generation of Health Soldiers in Rural Areas interconnecting Health ID (if available) with EMR, HIE, PHR, HMIS, HPR, HFR, PACS, SCBB, PMS, AMS, BBMS, BMR.**
- **Hi-Tech Labs and Blood Banks in every District/ Regional Headquarters.**
- **eVideo Clinic/ Tele-medicine in every village under 1000 Population.**
- **Bone Marrow Registry & Repository.**
- **Organ Donor Program with post-transplant tracking system.**
- **Cloud Based interoperable Hospital Management Information System.**
- **Integration of Electronic Medical Records (EMR) of Government Health Care Infrastructure as well as Private Health Care Ecosystem.**

Our Offering to AARDO Member Countries to Enhance Rural Healthcare

- **Metabolic, Genomic Mapping, Enhancing & Digitizing Personalised Nutrition Planning & Navigation for Mother, Child & Adolescent females.**
- **Real time data analytics and management with geographical identification of diseases & healthcare needs.**
- **Seamless integration with various Medical IoTs.**
- **24X7 BPO & KPO facility for the stakeholders & beneficiaries.**
- **Integration with Private & Government Insurance Service Providers.**
- **Providing Healthcare e-Market Place**
- **Health Informatics Network Value Chain – One Health Eco Health**
- **Seamless integration with existing Government online portals and schemes via ePortals.**
- **FREE Communication Channel between Citizens and Health Authorities**
- **Bridging the development gaps through Human Development Resource Programs in Digital Healthcare Platforms.**

We propose to invest, install, execute the projects in Build Operate Transfer (BOT) & PPP Model along with 80% investments by eHealthSystem Consortium.



Preventive Door to Door Health Check-up by Health Soldiers



We will appoint Health Soldiers to visit every household with BPO Support



Every family member will be registered on Health App



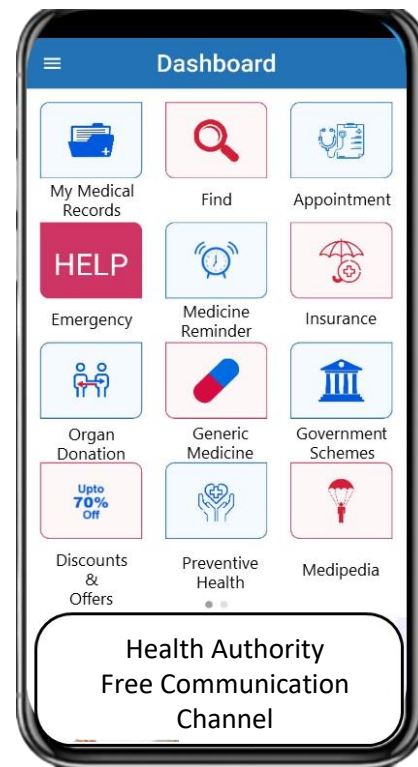
Health Soldier will collect Samples of each family member & send it to the lab



Lab Technician will process collected samples at Central Location & Upload the results to the Cloud

Door to Door Health Check-up Process Flow

Realtime Analytics Dashboard to the Health Officials With Analytics and Decision Making support.



Citizens can access their reports by using Mobile App. eHealth Card & Wrist Band for Seamless Identification.



Reports uploaded to Government's Cloud can be accessed by Health Officials

Mother, Child & Adolescent Teenagers Health Tracking System



e-Video Clinic/ Telemedicine



Remote Monitoring System (RMS) of Neonates, Children & Adults from Home.



Ward Clinics – Primary Health Care Facility



District/ Region Level Hi-Tech Labs



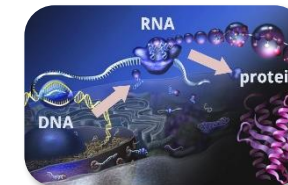
**Pathology
Department**



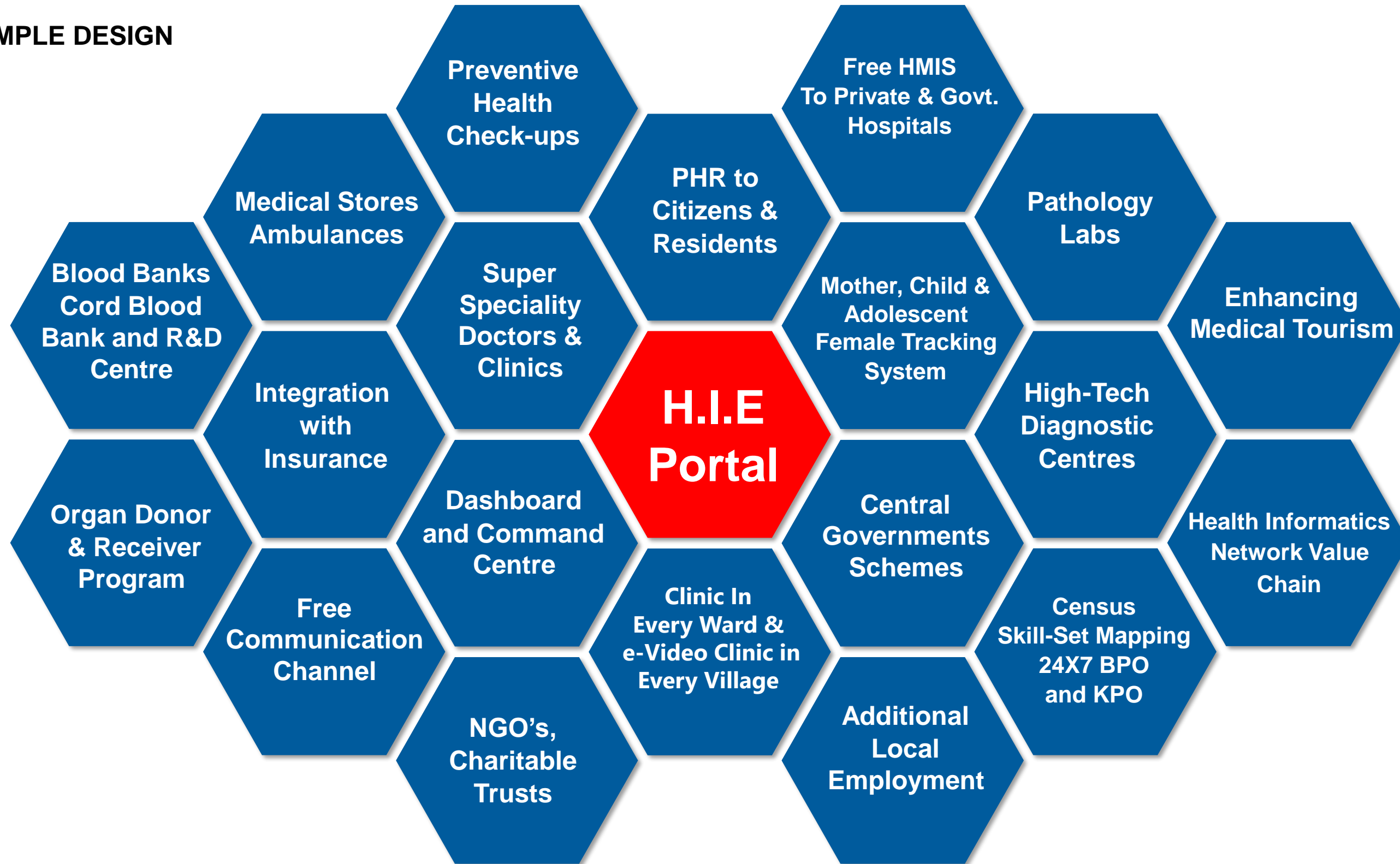
**Radiology
Department**



**Molecular Biology /
Genetic Diagnosis**



SAMPLE DESIGN



State Head's Communication Channel




Dial a Doctor e-Video Clinic




Skill Set Mapping


Dashboard & Real Time Analytics




**MATRUJYOTI
SCHEME
SUNDARGARH**



SUNDARGARH





Shri Nikhil Pavan Kalyan, IAS
Collector & District Magistrate





Toll Free No.
1800 345 7461

Sundargarh | DASHBOARD

Updated on 2nd October English

Download App Now  

Click To Chat Now  

Registered Beneficiary **17015**

Total Health checkup **14**

Sonography Status **759**

Total Delivery **1941**

Red Card Holder **6242**

Maa Gruha Pre Delivery Waiting Room **292**

Maa Gruha Post Delivery Waiting Room **82**

Mortality Status **247**

Current (After Nov 2020)

02 Oct 2021

DMF Dashboard **GO**


Health Dashboard **GO**

Registered Beneficiaries **30**

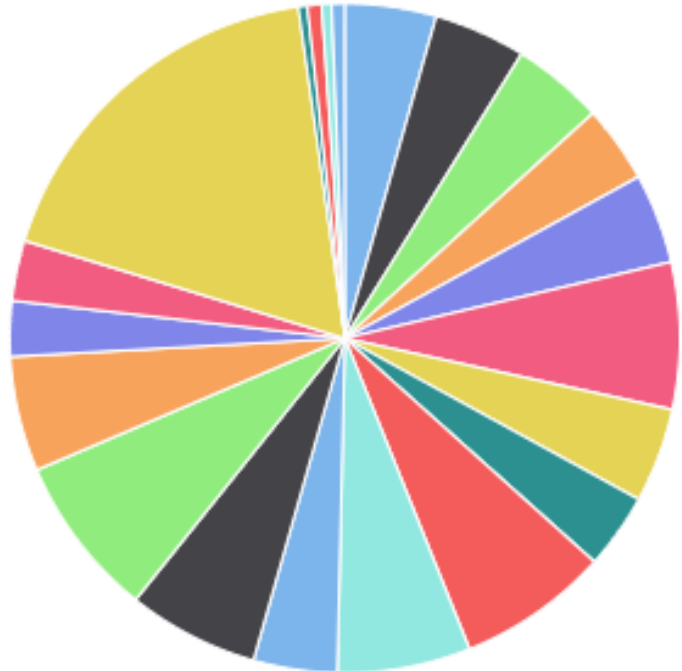
01-10-2021 02-10-2021 All Sundarga Search MIS Report

Registered Sonography Snapshot Maa Gruha Misc

Area Wise Search



Area Wise Registration



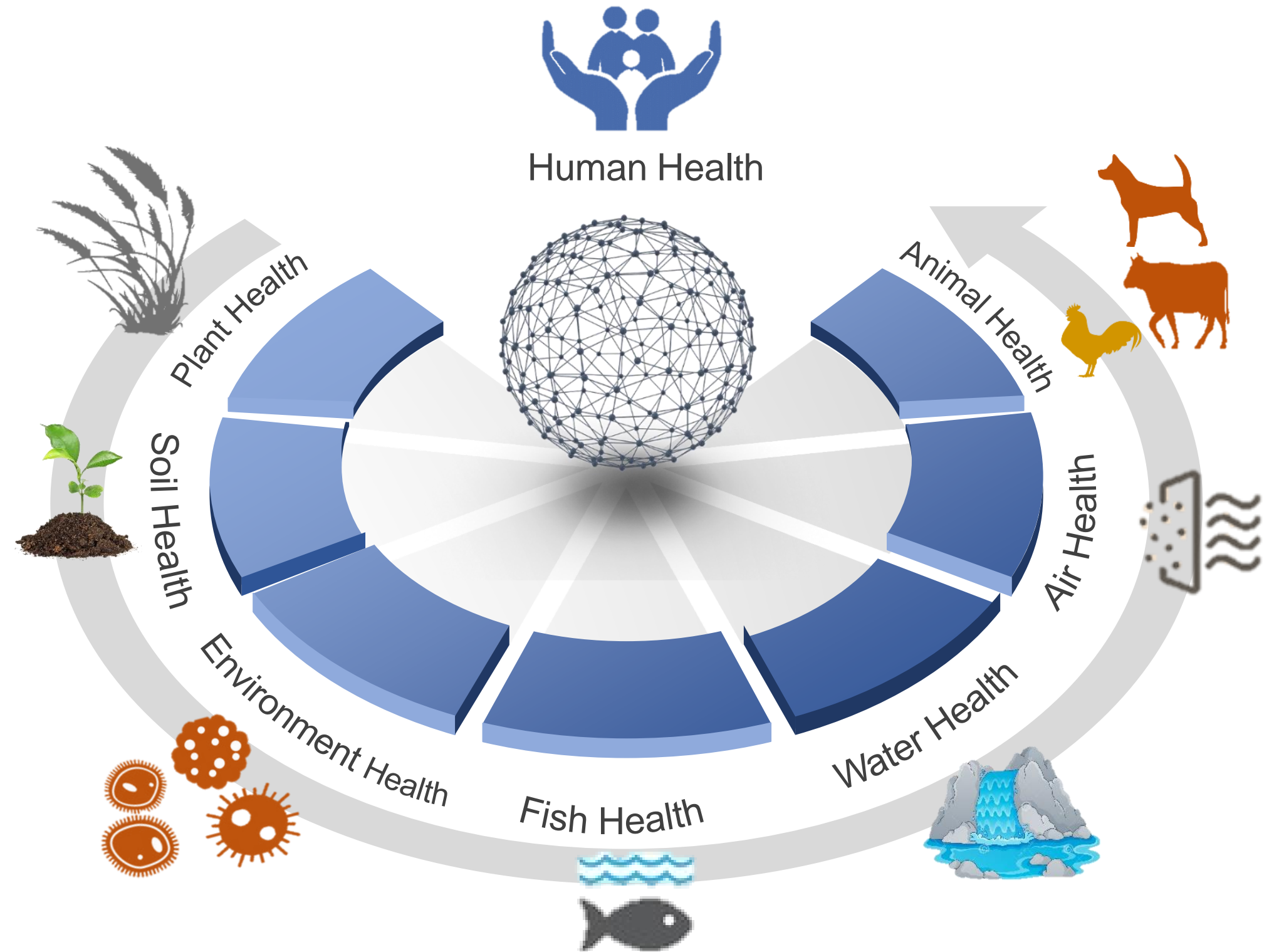
Video and Image Analytics

Video analytics technology to process digital videos for real-time image matching capable of identifying Citizens and tracking their paths during upcoming pandemics or other catastrophies.



Health Informatics Value Chain (HIVC)

Interconnecting Human Health, Plant Health, Animal Health, Water Health and Soil Health components, leading to One Health/Eco-Health System, for expanding interdisciplinary collaborations and communications in all aspects of healthcare for humans, animals and the environment, by taking full advantage of the available digital network.



Data Privacy and Security Standards

The Product is HIPAA & HL7 compliant. Custom security routines are blended deep at the core of the Product. The Product will be deployed in a Demilitarized Zone, is an additional layer of security between the WAN and the LAN.

Every component of the product will be provisioned behind a cluster of Data Center grade Firewalls, IDSes and IPSes.

The data is encrypted and the product will be creating logs and audit trails.

The Product will be monitored 24x7 by a team of deputed security professionals.

Security being an integral part of the project is woven at the core of it. Data is accessed, stored and managed in compliance with one of the industries toughest standards like:

HIPAA - Health Information Privacy

ISO 27001 - Information Security Management System

ISO 27002 - Information Security Techniques

ISO 27005 - Information Risk Assessment

ISO 27701 - Privacy Information Management System

PCI DSS - Payment Card Industry Data Security Standard

GDPR - General Data Protection Regulation

Data Privacy - fully compliance with the existing Data Privacy Regulations of the Government.

Thank You

**Unified, Connected, Interoperable &
Secure Healthcare Delivery System**



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Abbreviations

- **EMR** - Electronic Medical Record
- **HIE** – Health Information Exchange
- **PHR** – Personal Health Record
- **HMIS** – Hospital Management Information System
- **HPR** – Healthcare Professional Registry
- **HFR** – Health Facility Registry
- **MCHT** - Mother and Child Health Tracking System
- **RTA** - Real Time Analytics
- **HIS** – Health Information System
- **HDMS** – Healthcare Data Management Solutions
- **ODPMS** - Organ Donor Program (Pre & Post) Management System
- **BBMS** - Blood Bank Management System
- **PMS** - Practice Management System
- **AMS** - Ambulance Management System
- **iOT** – Seamless Integration with Internet of Things
- **BMR** – Bone Marrow Repository
- **SCBB** – State Cord Blood Bank
- **PACS** - Picture Archiving and Communication System