



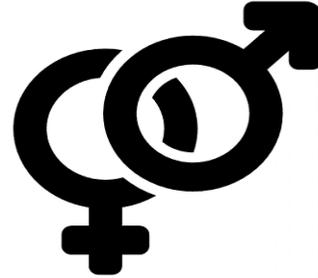
Co+WIN

Tech Backbone of India's Vaccination Program

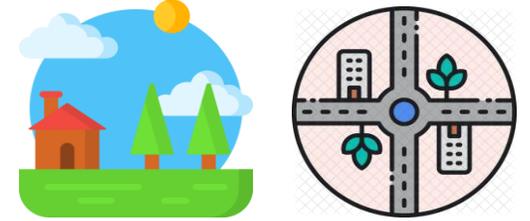
India – A Perspective



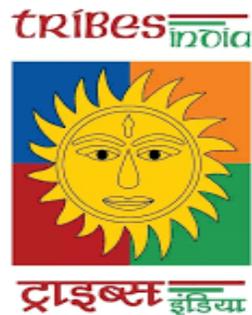
**Population
1.36 Billion**



**Male: Female
1000 : 943**



**Rural : Urban
65 : 35**

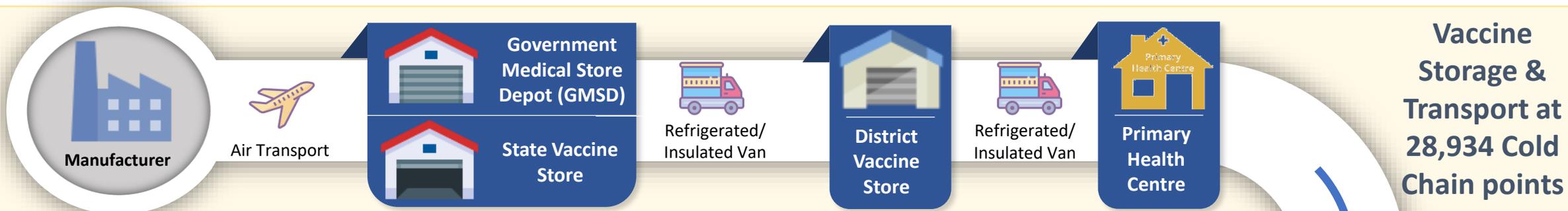


**Tribal Population
100:8.6**



**Low internet &
mobile density**

COVID -19 Vaccine Delivery Management System

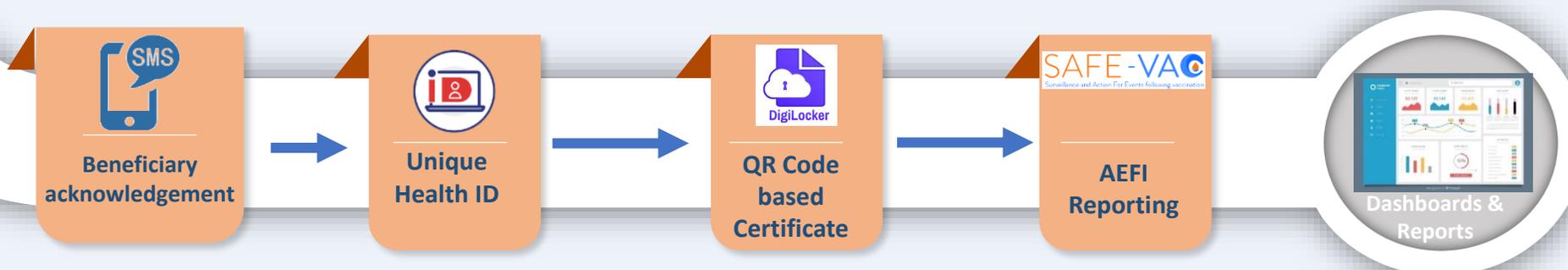


Real Time tracking of Stock and Temperature through Electronic Vaccine Intelligence Network (eVIN)

Planning & Conducting Vaccination



Real time recording of Vaccination event using Co-WIN



Co-WIN – A Scalable, Inclusive and Open Platform for Universal Vaccination by 2022

Co-WIN



Covid Vaccine Intelligence Network

A tech-based platform facilitating the planning, implementation, monitoring, and evaluation of Covid-19 vaccination in India

Guiding Principles



Equitable and Inclusive

Equitable vaccination across multilingual states, with multiple modes for registration to ensure accessibility for all



Single Source of Truth

Unbiased distribution of vaccines through a single source of data to remove information asymmetry and align stakeholders



Evolvability and Scalability

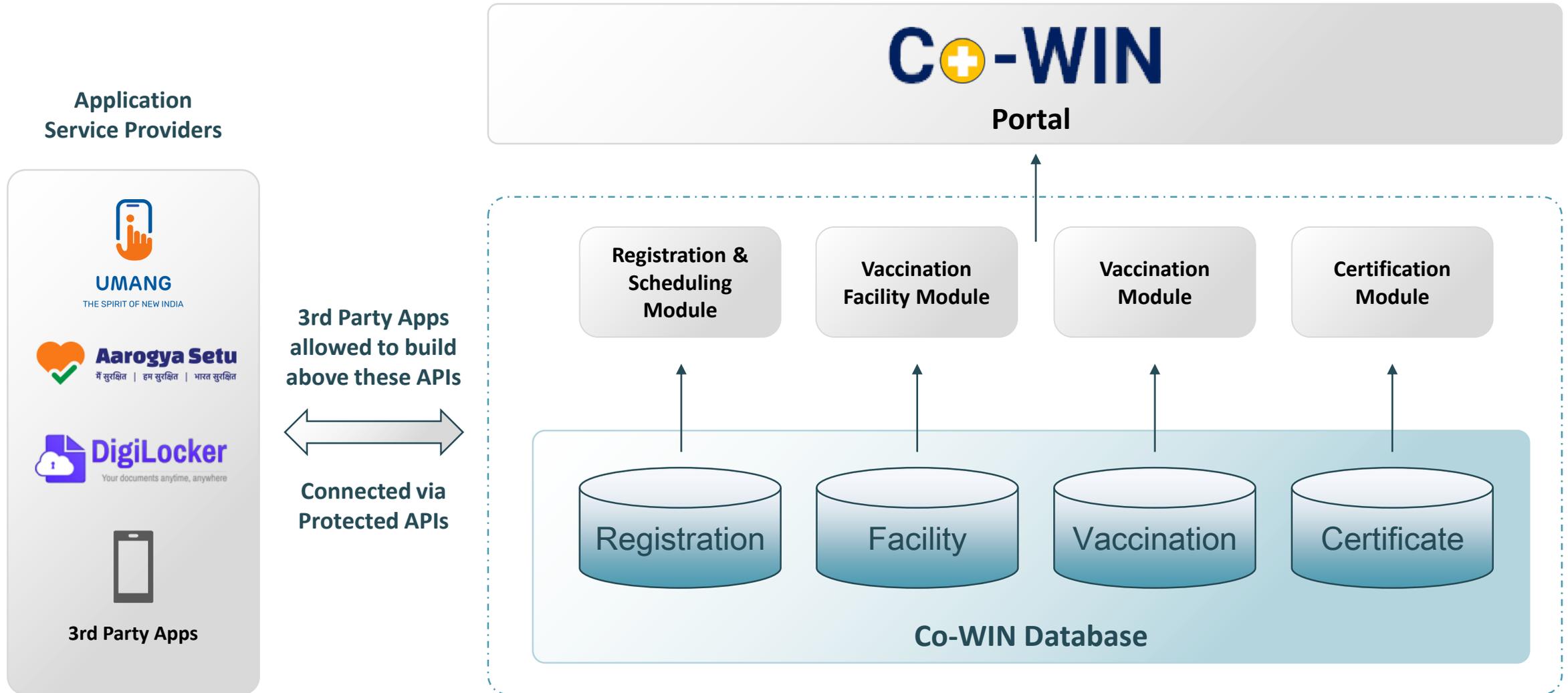
Dynamic architecture capable of evolving and accommodating changes as per circumstances, built for a scale of a billion plus citizens



Feedback and Analysis

Data on vaccination and recording of AEFI helps form data-driven public health policy and evaluate the efficacy of different vaccines

Architecture of Co-WIN – Open and interoperable



Multiple Access Points



Registration and Scheduling APIs

- Provide more fronts to let citizens register for vaccination
- Discover available vaccination slots and schedule or re-schedule appointments



Vaccination at Facilities APIs

- Government and Private Hospitals can integrate these APIs with existing systems
- Record vaccination data for certification
- Report AEFI for a beneficiary



Certification APIs

- Travel or office portals can gain integrate these APIs with their user-facing platforms
- Access vaccination certificates based on a reference id / registered mobile number



For the Citizens

Advantages for Citizens – Agency at the core, luxury of choice

Core Functionalities



Blended Registration

Digital & Offline Walk-ins
Mobile # | Choose from 9 Photo IDs



Track Vaccination Schedule

Guidance on interval between two doses
based on vaccine brand



Convenience in Slot Booking

Choose vaccination slot based on
convenient time and location



Instant Digital Certificate

Issued post vaccination
Universally authenticable



Modes of Registration

- Offline on-site registration
- Online registrations through portal
- Assisted registration through support centres and call-centres



Simplified Access

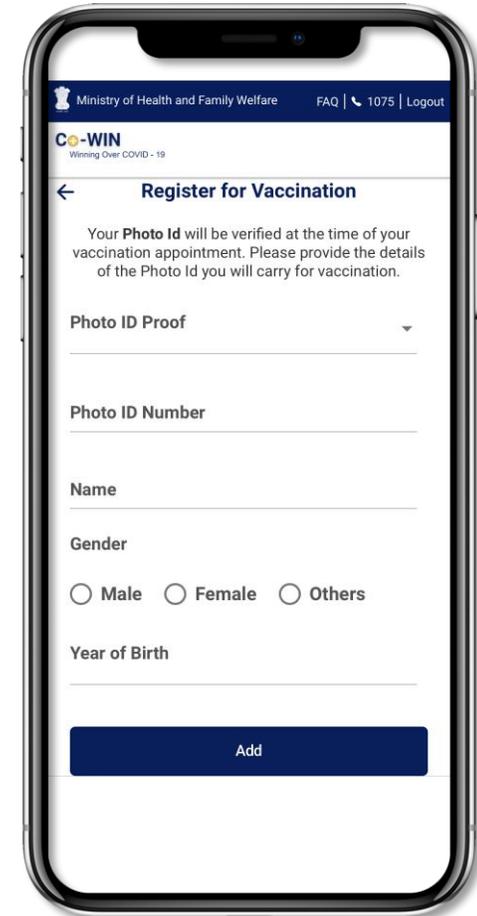
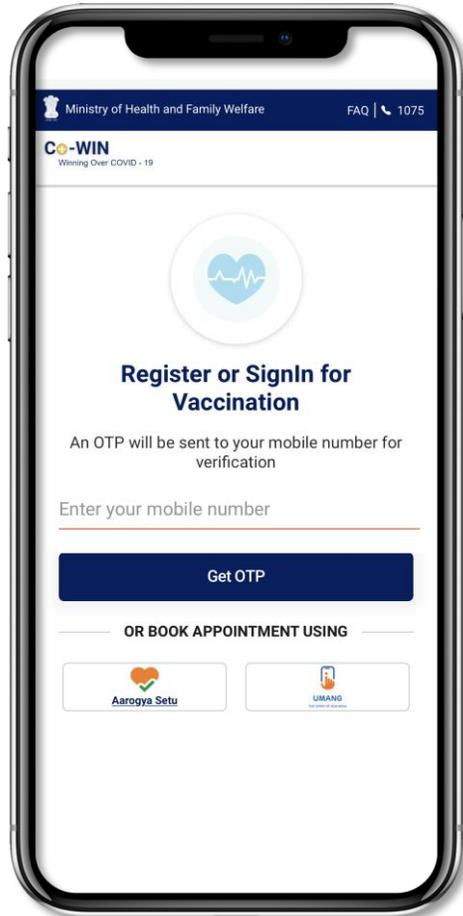
- Find vaccination centre using maps
- Sign-up with mobile number and verify with a four-digit OTP
- Multilingual – Power of vernacular



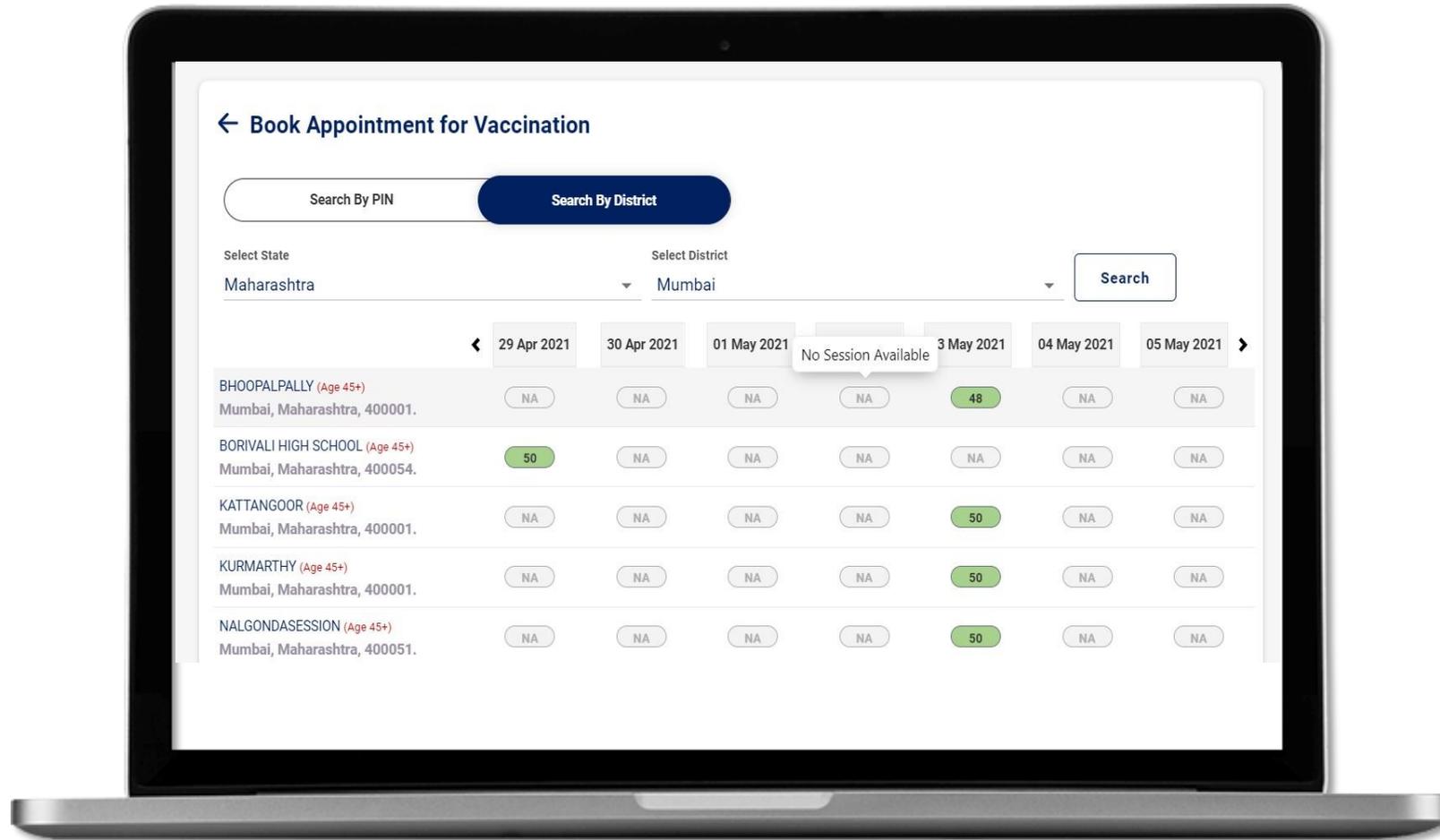
Minimal Data Inputs

- Non-sensitive data inputs
- Required - Name, age & gender
- Multiple photo identification options
- Monosyllabic / single-word prompts

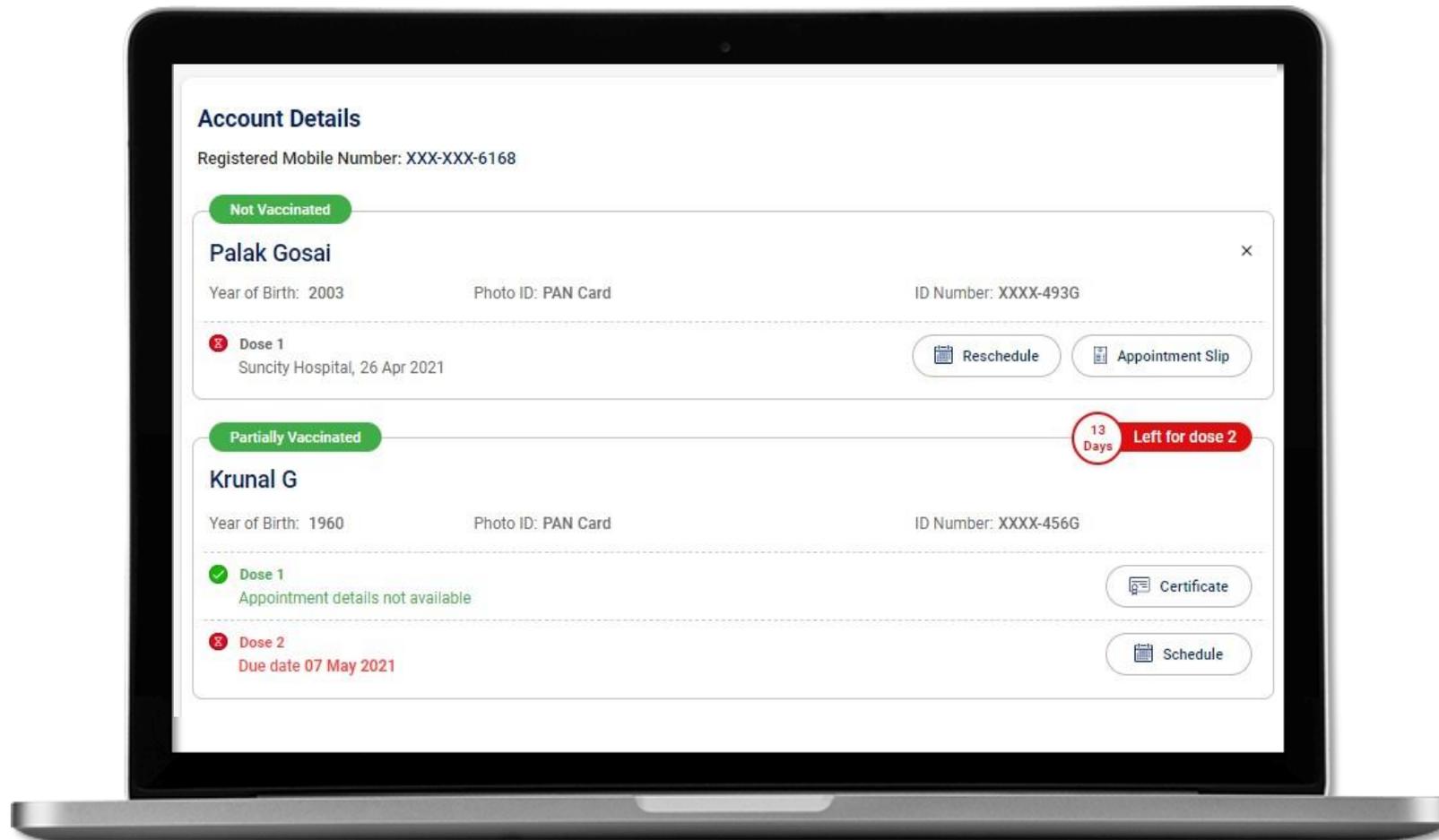
Easy Registration – Option of 9 photo IDs and 12 languages



Choice of Time and Location – *Book a vaccination slot as per convenience*



Tracking Vaccination – Book for up to 4 individuals, check schedule & download certificate

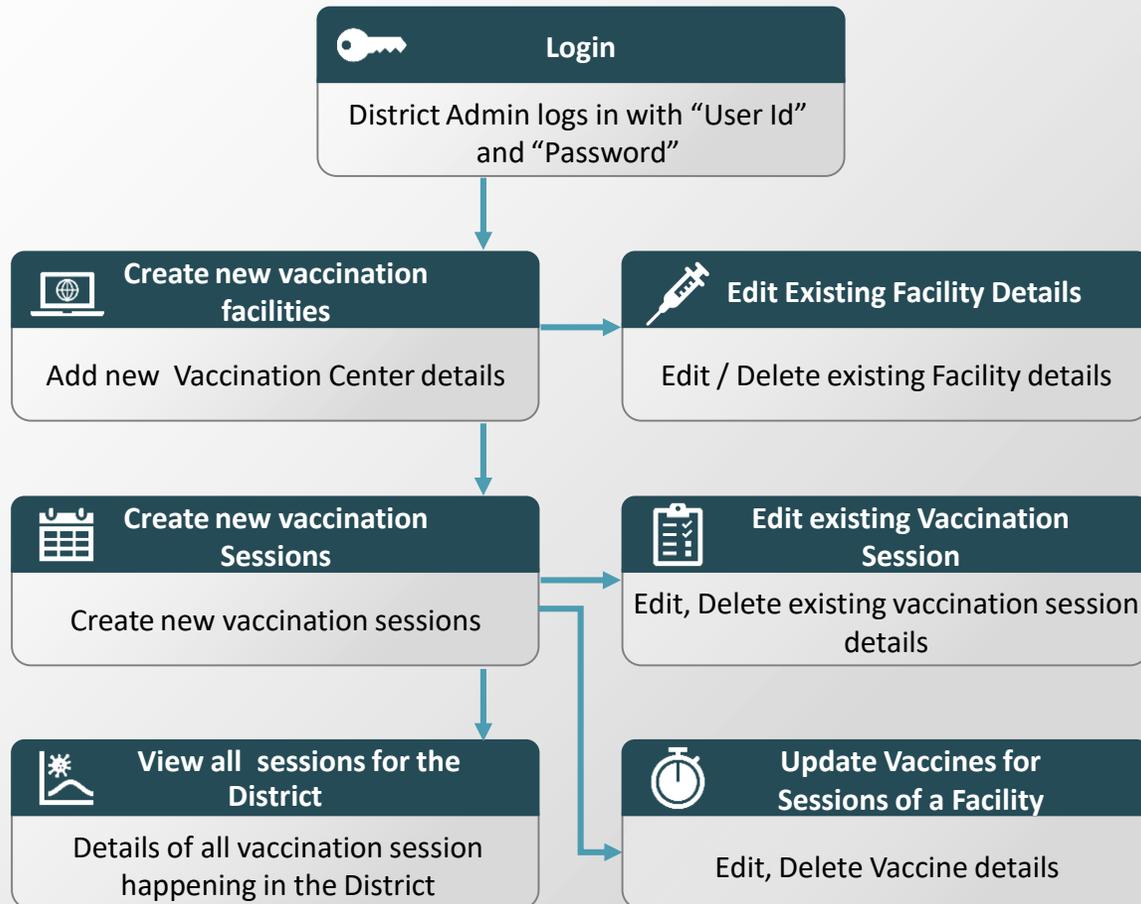




For the Managers & Vaccinators

Advantages for Managers – Uniform access across private and public, fixed or mobile

Process Flow



Features for Vaccinators



Vaccine Stock Management

Verify validity of stock supplied
Traceability of each vial of vaccine



Publishing Vaccine Schedules

Declare availability based on stock daily & define quotas for categories



Verification of Citizens

Authenticate at point of vaccination Upload records of HCWs/ FLWs



Realtime Dashboards

Analytics provided to view all sessions at a vaccination facility

Onboarding Hospitals – Registering vaccinating organizations on CoWIN

The image shows a laptop displaying the CoWIN web application interface for creating a vaccination center. The page is titled '← Create Vaccination Center' and includes a sidebar with navigation options: Dashboard, Reports, Cold Chain Points, Demand Aggregation, Vaccination Centers (highlighted), Recipients, Users, and Resources. The top right corner shows the user 'Amreli district admin' with the role 'District Administrator (MoHFW)'. The form is divided into several sections: Hospital Details, Address Details, and Location Details. The Hospital Details section contains fields for Hospital ID (NiN/PMJAY/CGHS), Name of the Vaccination Center*, Category*, Fee Type*, Type*, Sub Category*, and Sub Type*. The Address Details section includes State/UT* (Gujarat), District* (Amreli), Address*, and Pincode*. The Location Details section has Latitude* and Longitude* fields. A small edit icon is visible at the bottom right of the form.

Co-WIN
Winning Over COVID

Amreli district admin
District Administrator (MoHFW)

← Create Vaccination Center

Hospital Details

Hospital ID (NiN/PMJAY/CGHS) Name of the Vaccination Center* Category*

Fee Type* Type* Sub Category*

Sub Type*

Address Details

State/UT* District*

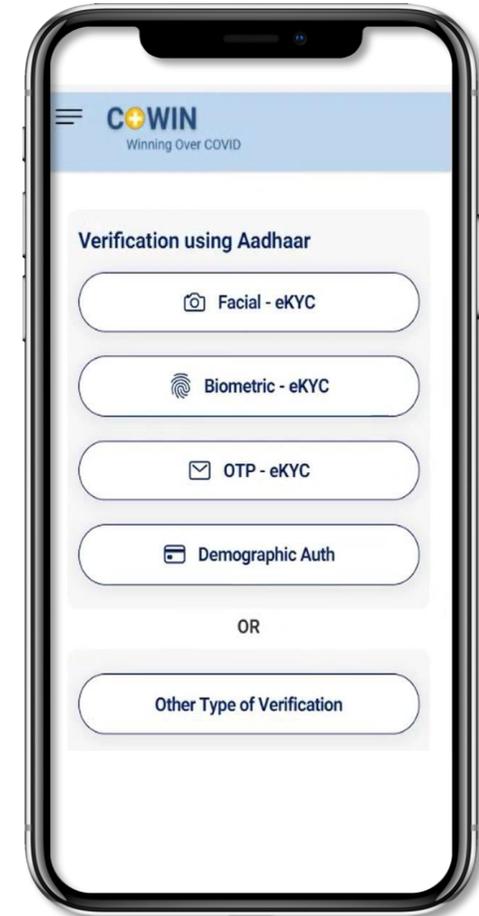
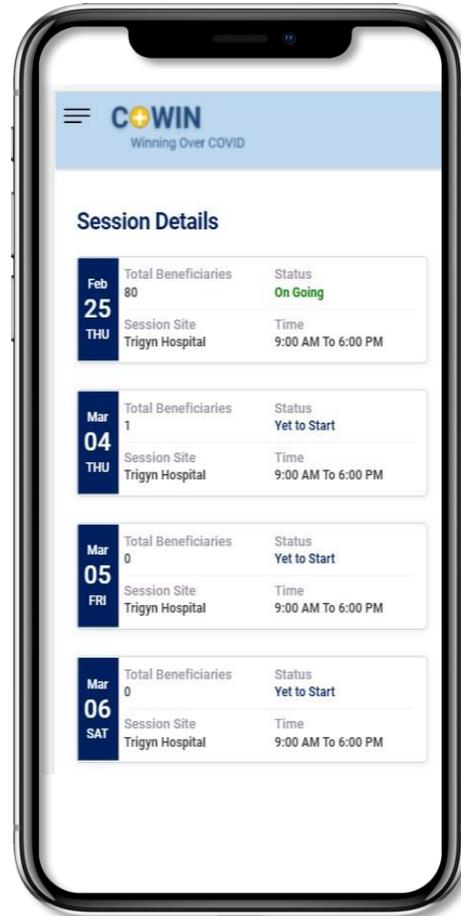
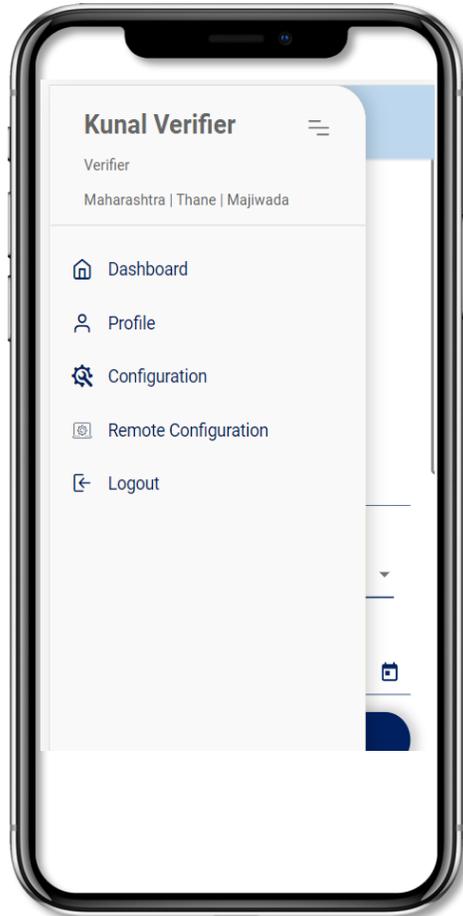
Gujarat Amreli

Address* Pincode*

Location Details

Latitude* Longitude*

Mobile Access for Vaccinators – Plug and play solution for Vaccinators





**For the Policy Makers
and Administrators**

Advantages for Policy Makers – *No information asymmetry and alignment of departments*



Single Source of Truth

Aligns all stakeholders to prevent any form of rent-seeking and truly making each stakeholder accountable for their actions

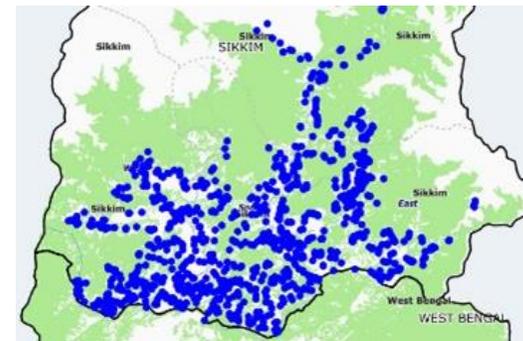
Tracking AEFI for Vaccines

Allows recording of AEFI to form data-driven public health policy and evaluate the efficacy of different vaccines



Efficient Tracking of Certificates

Providing a reference point post first dose to guide citizens to follow the vaccination schedule and get the same second dose as first



Evaluating Geographical coverage

Facilitates coverage at a granular geographical level that helps get a view of each district at a state level to evaluate progress of vaccination

Inclusivity

Multiple modes of registration in offline walk-ins, online and assisted through help centres and call centres ensure access for all



CoWIN Dashboard – Transparency of data for all stakeholders

Features provided by Dashboard

- Live Vaccinations Centres
- # of Citizens Registered
- # of Vaccine doses Administered
- Split b/w 1st & 2nd Dose
- AEFI reports
- Distribution by States & District
- Split by Age and Gender
- Split by Vaccines brands

Accessible by all



Hospitals
Vaccinators



Policy Makers
State & District
Administrators

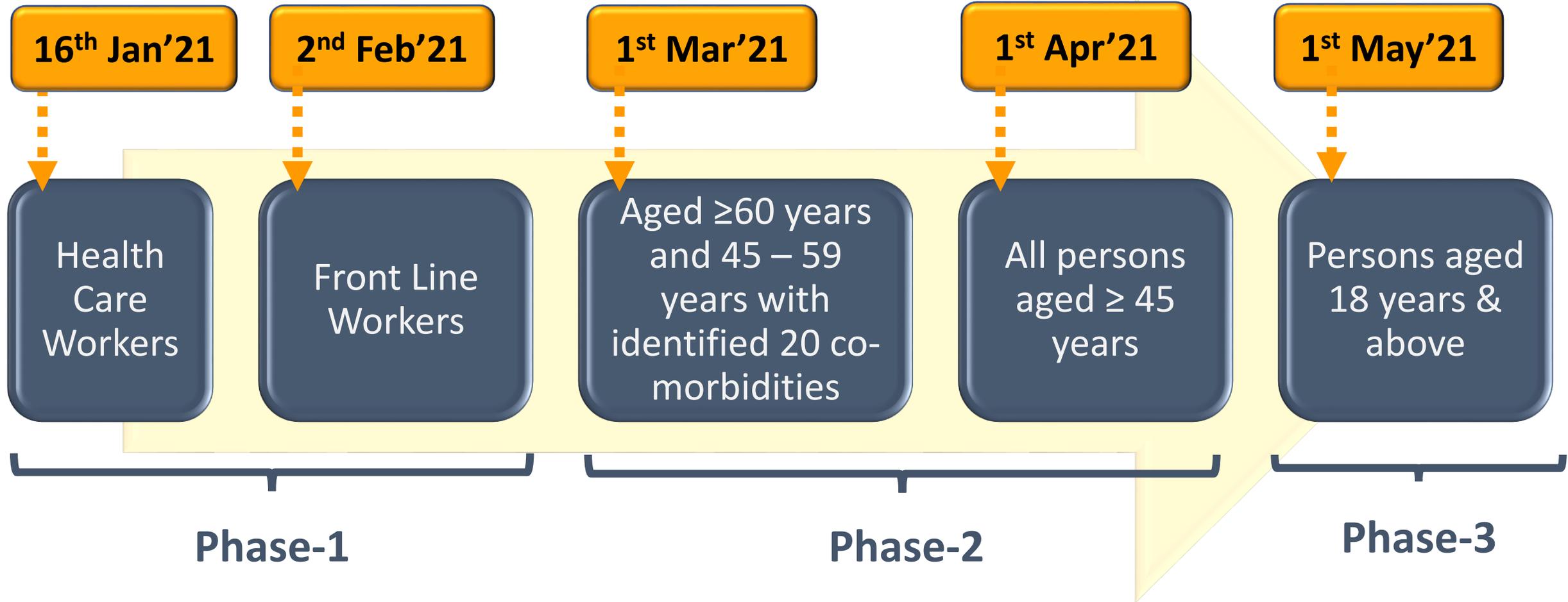


All Citizens and
foreign entities



Live Co-WIN Dashboard - <https://dashboard.cowin.gov.in/>

National COVID-19 Vaccination Milestones



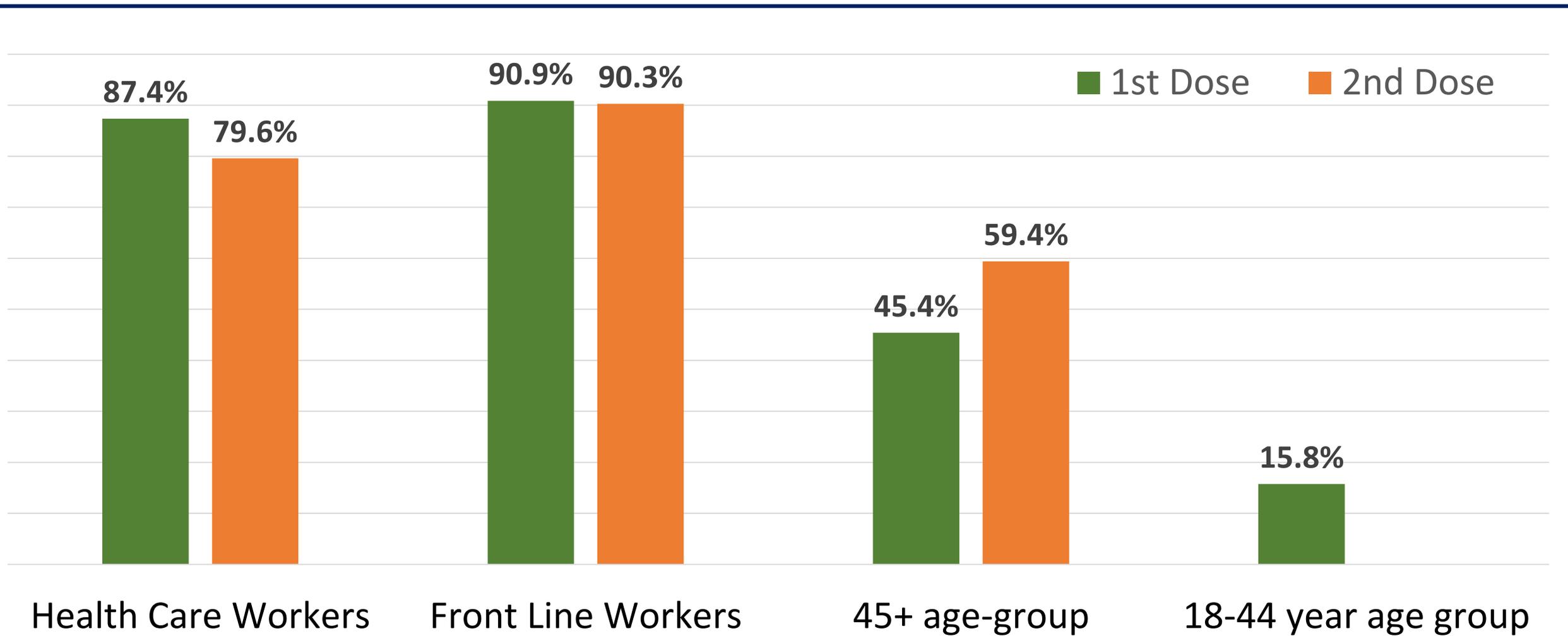
Phase 1 aim – To protect & strengthen the healthcare & pandemic response system and professionals who man it.

Phase 2 aim – To protect the most vulnerable population i.e. ≥ 45 years (contributing to 80% of COVID related mortality in the country).

Phase 3 aim – To protect the entire at risk population i.e. 18 years and above via a rapid scale up of vaccination

Vaccination Coverage in priority groups

(As on 2nd July'21)



2nd dose coverage against eligible beneficiaries i.e. 4 weeks after 1st dose of Covaxin and 12 weeks after 1st dose of Covishield

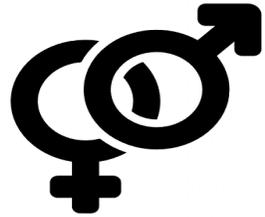
Co-WIN – Using technology to reach the unreached



Population

136 crore

~29.35 crore - at least one dose



Male: Female

1000 : 943

Coverage (doses)

1000 : 861



Rural : Urban

65 : 35

Coverage (doses)

57:43



Tribal Population (9%)

Coverage (doses/million)

100:122



Availability of internet – No constraint

Coverage (Doses)

22:78 (Online : Onsite)

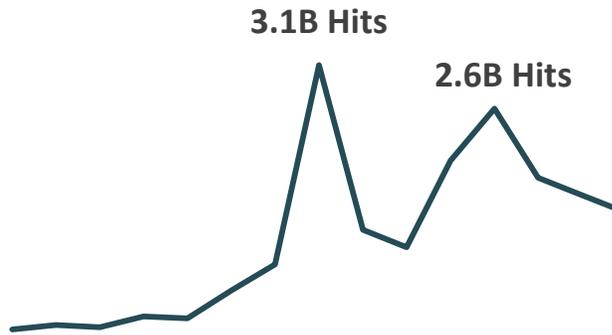
Sustainability of Co-WIN – *Fastest to be built, sustainable at scale of billion+ users*

Co+WIN

200 Million+ in 4 Months

Time to Market

Fastest tech platform globally to amass 200 million registrations in <four months
Even tech giants took 14 months or more to even reach 100 million users



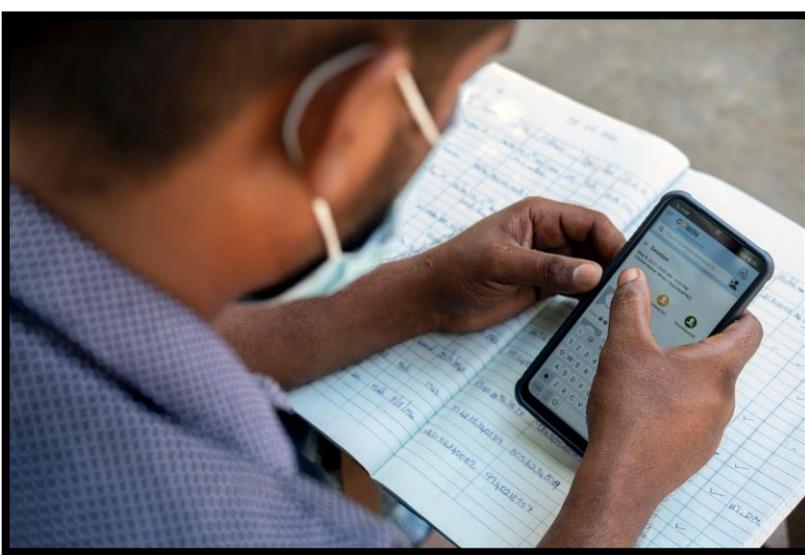
Robust System

Co-WIN handles a billion+ visits daily, and recorded **3.1 billion visits in a day**
Handled 13.7 million registrations within 8 hours of opening for 18 to 44 years



Privacy and Security

Minimal data inputs are taken from citizens, and no breaches of security recorded till date
State-of-the-art security checks in place



A BIG SALUTE AND THANKS TO OUR FRONTLINE WORKERS WHO OVERCAME ALL THE CHALLENGES TO MAKE INDIA THE FASTEST COUNTRY TO ADMINISTER MORE THAN 350 Million DOSES
#जज्बे को सलाम #शक्ति को प्रणाम

OUR PARTNERS



Aarogya Setu

मैं सुरक्षित | हम सुरक्षित | भारत सुरक्षित



*Empowered lives.
Resilient nations.*



DigiLocker

Document Wallet to Empower Citizens



UMANG

THE SPIRIT OF NEW INDIA



Thank You