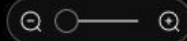


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Rituparna Banerjee

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Amit Arora
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Thampy Koshy

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Enabling Vaccination – *Thinking ahead of time*



Vaccinate a Billion plus Fast

Needed efficient coordination to achieve scale, prudence in cost, and revive socio-economic activities timely



Authenticable Certificate for All

Digital Vaccination Certificates through QR-coded, printable, verifiable - to allow frictionless movement for people



Evolving Landscape and Policy

Keep all stakeholders apprised of latest practices as per research and vaccination policy to follow due protocols



Multiple Locations for Vaccination

Ensure large number of access points, including camps, mobile vans, etc to avoid crowding or panic at a few central places



Managing Money-flow at Scale

With free vaccination for all, outreach could be improved by payment support from Corporate CSR at Private CVCs



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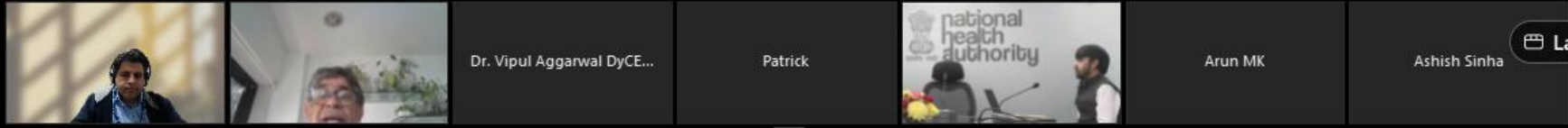


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Co-WIN – A Scalable, Inclusive and Open Platform for Universal Vaccination by 2022

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

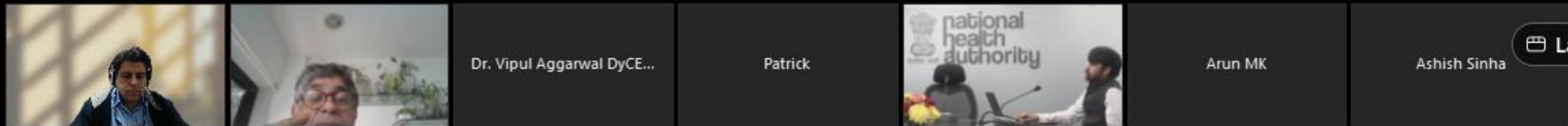


Evolvability and Scalability
Dynamic architecture capable of evolving and accommodating changes as per circumstances, built for a scale of a billion plus citizens



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





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Supply Chain – COVID-19 Vaccine Delivery Management System

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



Covid Vaccine Intelligence Network (Co-WIN) - Real time recording of Vaccination event

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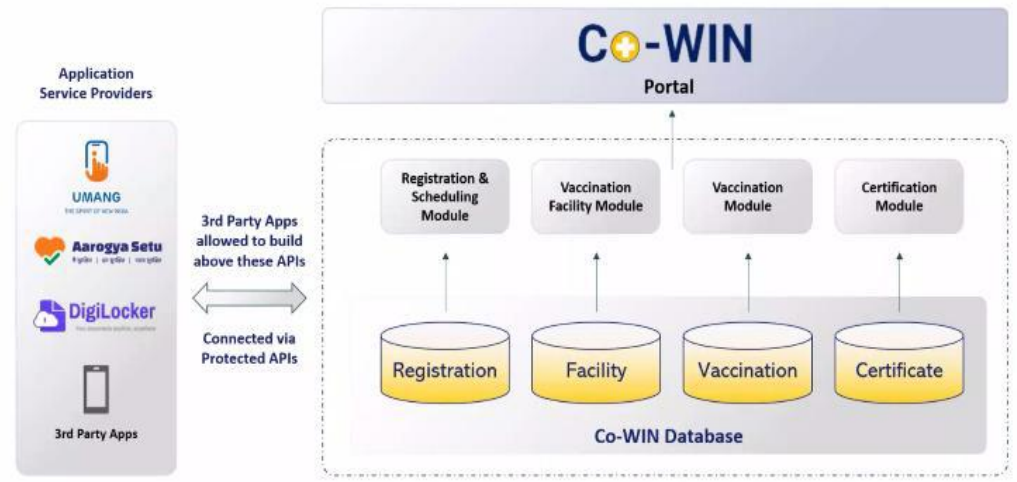
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Architecture of Co-WIN – Open and interoperable



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Open APIs – Interoperability that enables innovation

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

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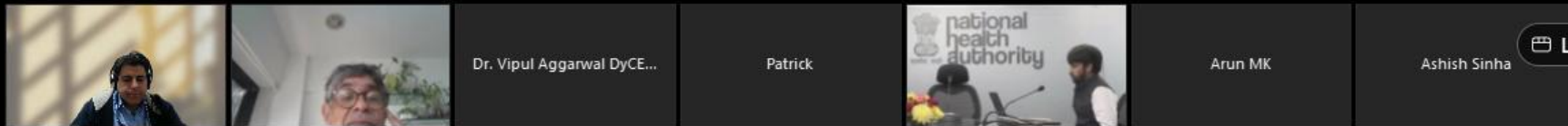
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More options

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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





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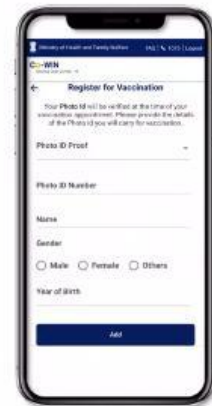
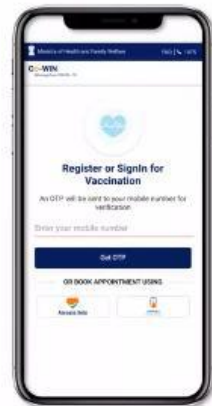
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Easy Registration – Option of multiple photo IDs and languages



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



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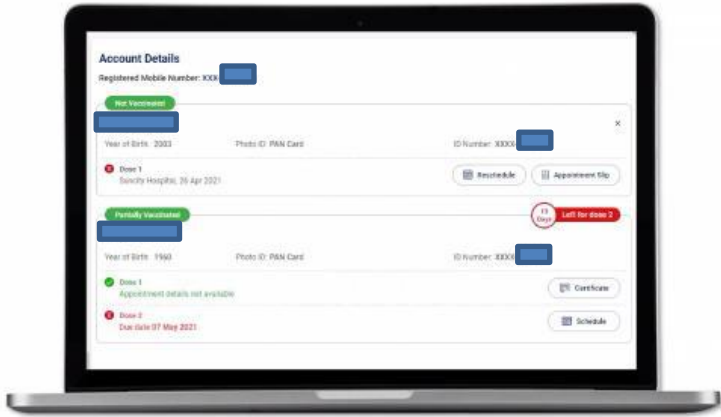
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Tracking Vaccination – Check schedule & download certificate



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



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



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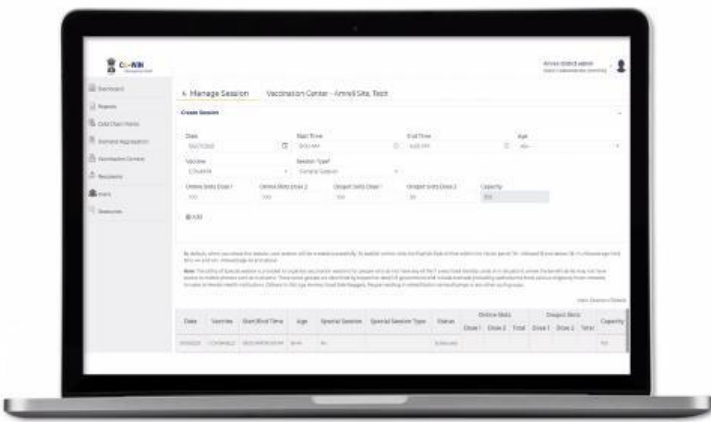
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Session Management – Vaccination control, based on both vaccines & categories





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Advantages for Policy Makers – *No information asymmetry*



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



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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/>



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Sustainability and Impact – *Fastest to be built, sustainable at scale of billion+ users*

Time to Scale - Registrations



Overall Statistics

as on August 05, 2021



780M+
Registered Citizens



1 Billion+
Total Vaccines Administered

Robust System – Daily Visits



0.004%
AEFI Recorded Overall



429K
Vaccination Centres

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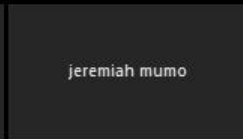
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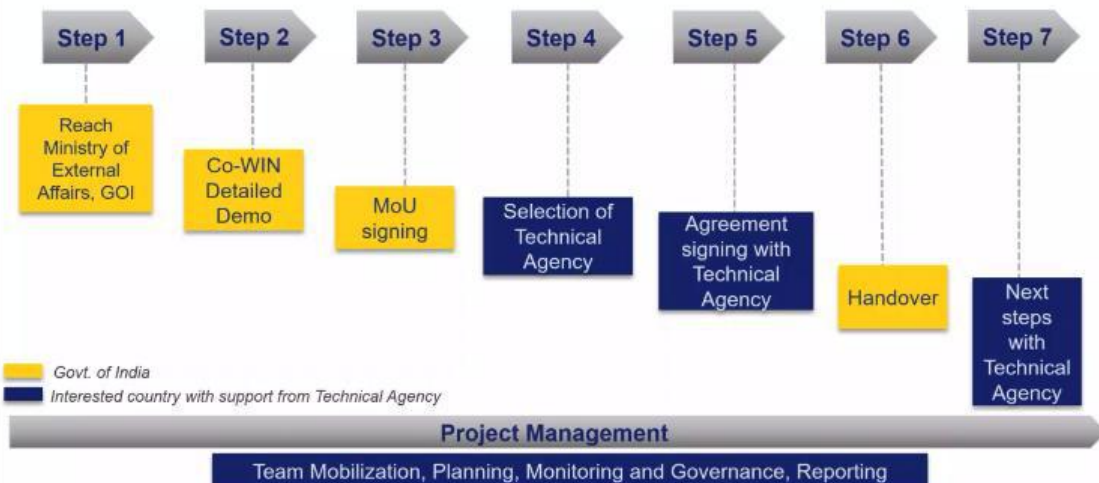
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Availing Co-WIN – End-to-end process



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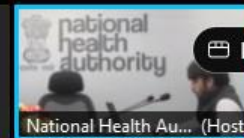
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Availing Co-WIN – Detailed Steps

Steps

Step 1

Interested country to contact the Ministry of External Affairs (MEA), Government of India through relevant Regional Office

MEA to connect the interested country with National Health Authority (NHA), Ministry of Health and Family Welfare, Government of India

Step 2

Request for Demo by interested countries (if needed)

Demo/detailed discussion with interested country

Demo details

- Functional demo (1 hr)
- Tech details (0.5 hrs)
- Q&A, Way forward (0.5 hr)



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Home Administrator Vaccinator Verify Certificate Dashboard Open APIs Skip To Main Content A+ A A- English

CoWIN
Winning Over Covid-19

VACCINATION SERVICES PLATFORMS RESOURCES SUPPORT Register / Sign In

CoWIN for the World

Launching CoWIN as an open source platform for countries to orchestrate successful vaccination with efficient monitoring with an aim of achieving universal vaccination.

Know more

Support for COVID-19	Health Ministry 91-11-23978046 OR 1075	DRD 1098	Mental Health 08046110007	Senior Citizens 14567	NCW 7627170170
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Total Vaccination Doses: 1,02,79,91,524

Vaccinations Done Today: 22,20,562





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selfregistration.cowin.gov.in

Ministry of Health and Family Welfare

Verify Certificate | Dashboard

English

Co-WIN
Winning Over COVID-19

Vaccination Services | Platforms | Resources | Support

Register or Sign In for Vaccination

An OTP will be sent to your mobile number for verification

Get OTP

By Sign In/Registration, I agree to the [Terms of Service](#) and [Privacy Policy](#)

OR BOOK APPOINTMENT USING

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selfregistration.cowin.gov.in

Ministry of Health and Family Welfare

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OTP Verification

An OTP has been sent to

661123

171 sec

There might be some delay in receiving the OTP due to heavy traffic

Verify & Proceed

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Ministry of Health and Family Welfare

Verify Certificate | Dashboard | English | Logout

Co-WIN - Winning Over COVID-19

Vaccination Services | Platforms | Resources | Support

Account Details

Registered Mobile Number [Redacted] Track Request (2) Raise an Issue

Vaccinated

[Redacted] REF ID: [Redacted] Secret Code: 0441

Year of Birth: [Redacted] Photo ID: Passport ID Number: [Redacted]

✓ Dose 1 | COVAXIN
 Appointment details not available

✓ Dose 2
 Appointment details not available

Certificate International Travel Certificate

+ Add Member

Note

One registration per person is sufficient. Please do not register with multiple mobile numbers or different Photo ID Proofs for same individual.

Scheduling of Second dose should be done from the same account (same mobile number) from which the first dose has been taken, for generation of final certificate. Separate registration for second dose is not necessary.

Please carry the registered mobile phone and the requisite documents, including appointment slip, the Photo ID card used for registration, Employment Certificate (HCW/FLW) etc., while visiting the vaccination center, for verification at the time of vaccination.

Please check for additional eligibility conditions, if any, prescribed by the respective State/UT Government for vaccination at Government Vaccination Centers, for 18-44 age group, and carry the other prescribed documents (e.g. Comorbidity Certificate etc.) as suggested by respective State/UT (on their website).

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Government of India

Covid-19 Vaccination Certificate

Issued in India by Ministry of Health & Family Welfare, Govt of India

Certificate ID: [REDACTED]


Beneficiary Details


Beneficiary Name: [REDACTED]
 Date of Birth (YYYYMM-DD): [REDACTED]
 Gender: [REDACTED]
 Passport Number: [REDACTED]
 Vaccination Status (# of doses): **Fully Vaccinated (2 Doses)**
 Beneficiary Reference ID: [REDACTED]

Vaccination Details

Vaccine Name: **COVAXIN**
 Vaccine Type: **COVID-19 vaccine, inactivated virus**
 Manufacturer: **Bharat Biotech, India**

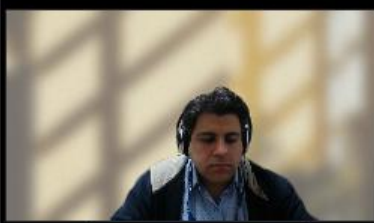


Dose #	1st	2nd
Date of Dose (YYYYMM-DD)	2021-04-17	2021-05-21
Dose Batch #	[REDACTED]	[REDACTED]

 "Together, India will defeat COVID-19"
 - Prime Minister Narendra Modi



Speaking: National Health Authority (Host)




Zoom controls: Mute, Video, Search, and Layout button

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	 National Health A... (Host)	Ashish Sinha	Dr. Vipul Aggarwal DyCEO NHA	HCI, Nairobi
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Speaking: jeremiah mumo



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