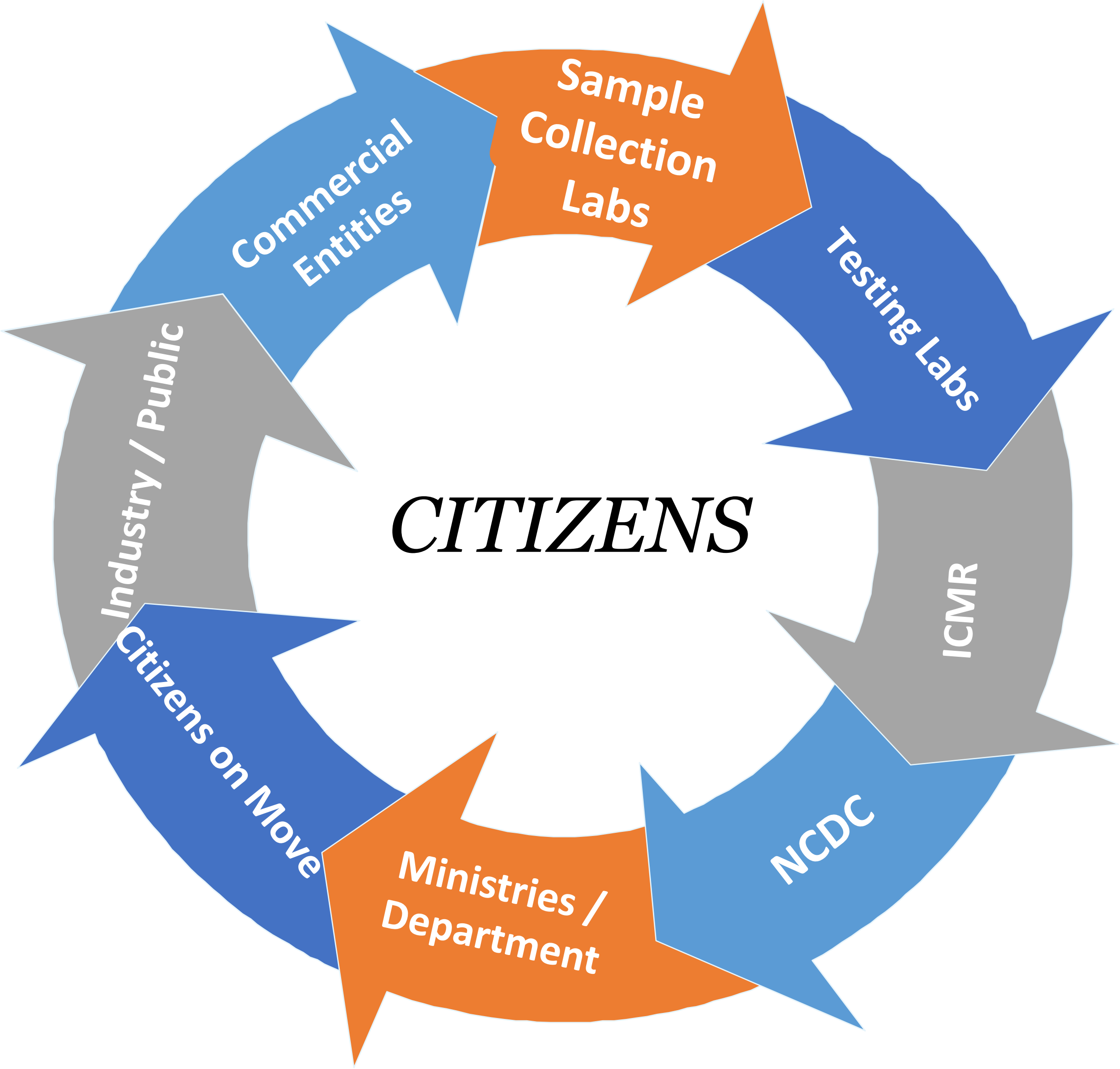
Technology and Data Management (EG 9)

11th May 2020

Key Stakeholders and Guiding Principles Adopted by EG 9



CITIZENS

Sample Collection Labs

Testing Labs

ICMR

NCDC

Ministries / Department

Citizens on Move

Industry / Public

Commercial Entities

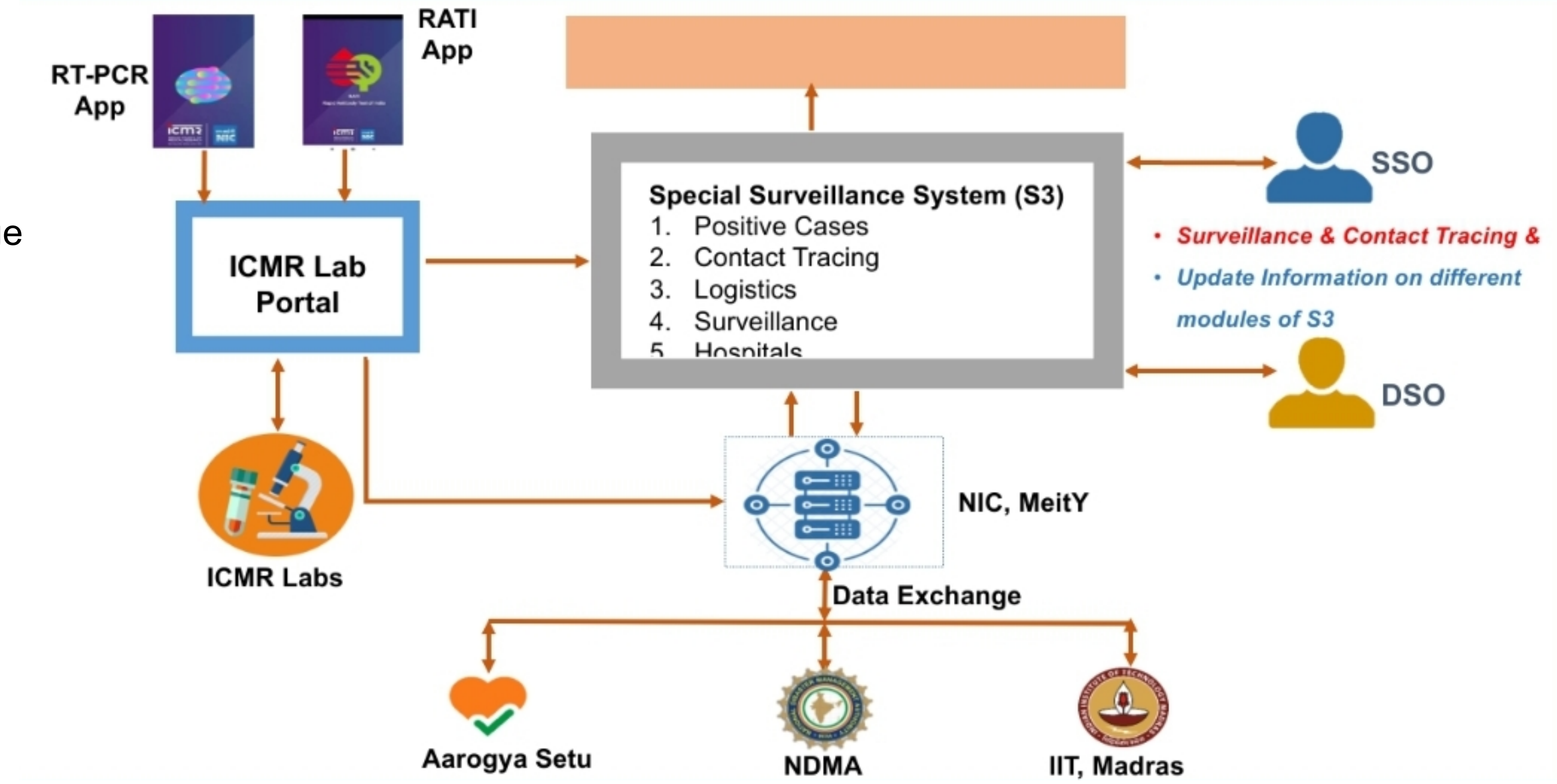
Till date 11 meetings of EG 9 have been held

Guiding Principles

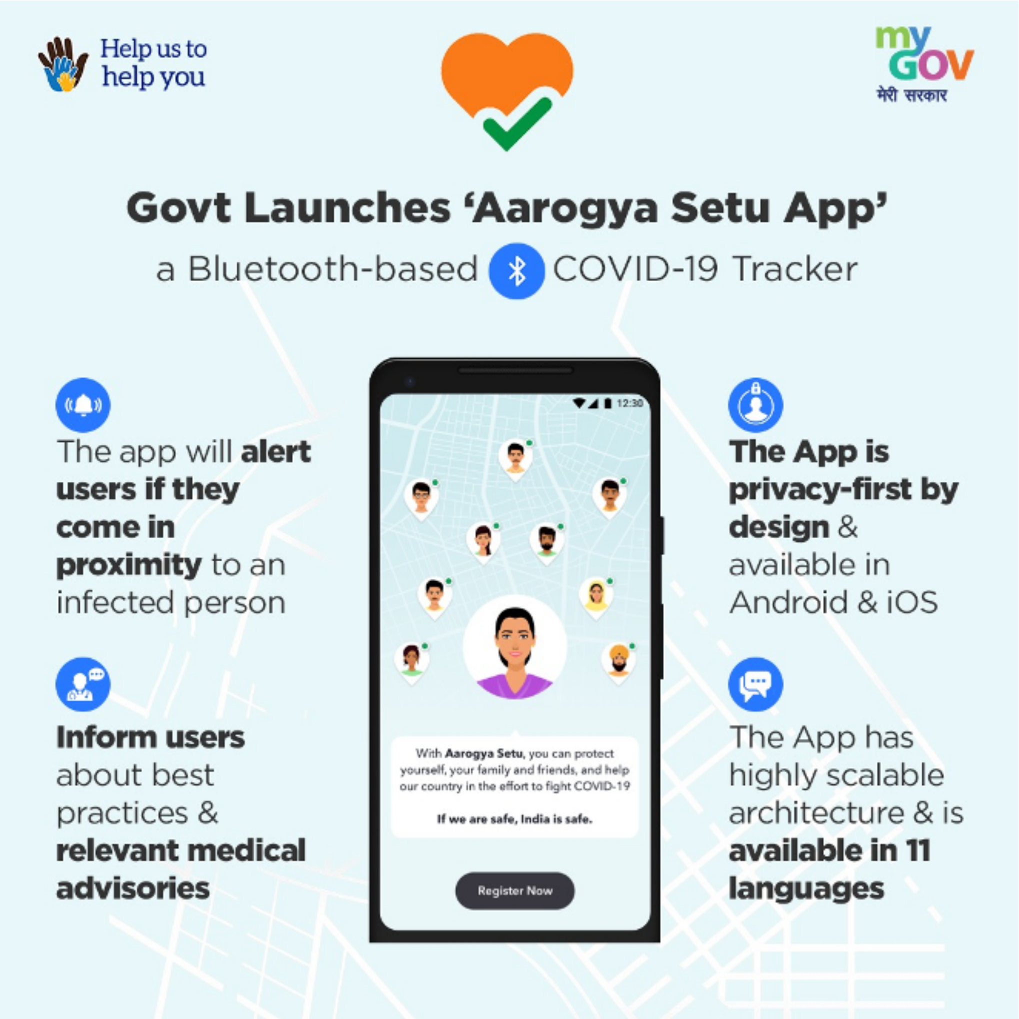
1. Rapid Deployment of tool for citizens to protect their health and comprehensive and timely information to public and decision makers
2. Enable reliable Data availability – testing data input quality, efficient data exchange (between ICMR, NCDC, states etc)
3. Leverage smart phones while ensuring inclusion of feature phone users
4. Data Privacy – (Collection, Processing and Retention of the Public Health Emergency Data) Rules, 2020
5. Leverage grassroot capability – involvement of CSC + NIELIT, CDAC, STPI, DOT
6. Collaborate with Industry and public – suggestions and proposals and adoption of technologies

Analytics, Dashboard & Reporting

- Dashboard for unified view of data from Lab to ICMR to MoHFW
- RT-PCR App developed for ensuring data accuracy
- API level data interface and exchange with NDMA, Aarogya Setu & IITM
- S3 portal developed for integrated data on
  - Positive Cases
  - Contact Tracing
  - Logistics
  - Surveillance
  - Hospitals


RT-PCR App
RATI App
ICMR Lab Portal
Special Surveillance System (S3)
1. Positive Cases
2. Contact Tracing
3. Logistics
4. Surveillance
5. Hospitals
SSO
• Surveillance & Contact Tracing &
• Update Information on different modules of S3
DSO
ICMR Labs
NIC, MeitY
Data Exchange
Aarogya Setu
NDMA
IIT, Madras

Aarogya Setu : Powering India’s Fight against COVID19



Help us to help you

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Govt Launches ‘Aarogya Setu App’

a Bluetooth-based COVID-19 Tracker

The app will **alert users if they come in proximity** to an infected person

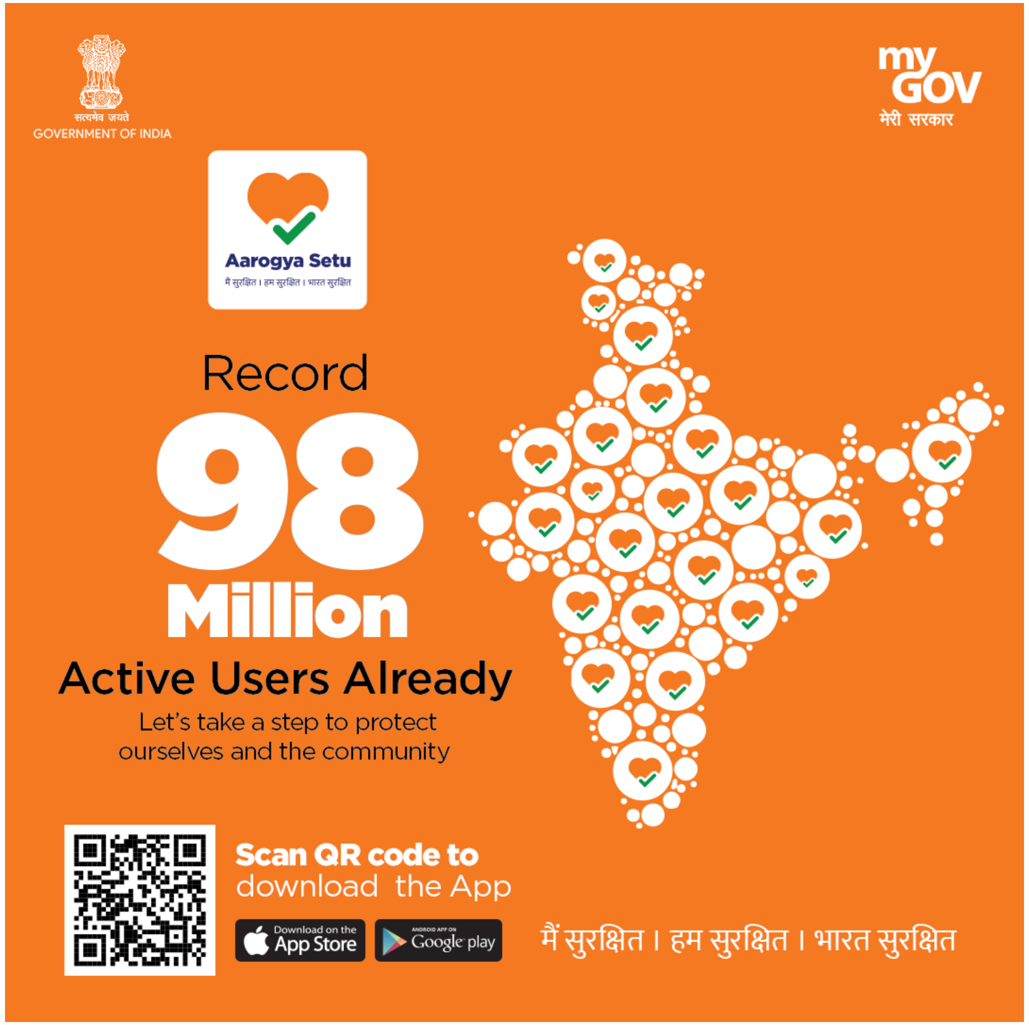
Inform users about best practices & **relevant medical advisories**

With **Aarogya Setu**, you can protect yourself, your family and friends, and help our country in the effort to fight COVID-19

If we are safe, India is safe.

The App is privacy-first by design & available in Android & iOS

The App has highly scalable architecture & is **available in 11 languages**



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Aarogya Setu
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Record
98
Million
Active Users Already

Let’s take a step to protect ourselves and the community

Scan QR code to download the App

Download on the App Store
ANDROID APP ON Google play

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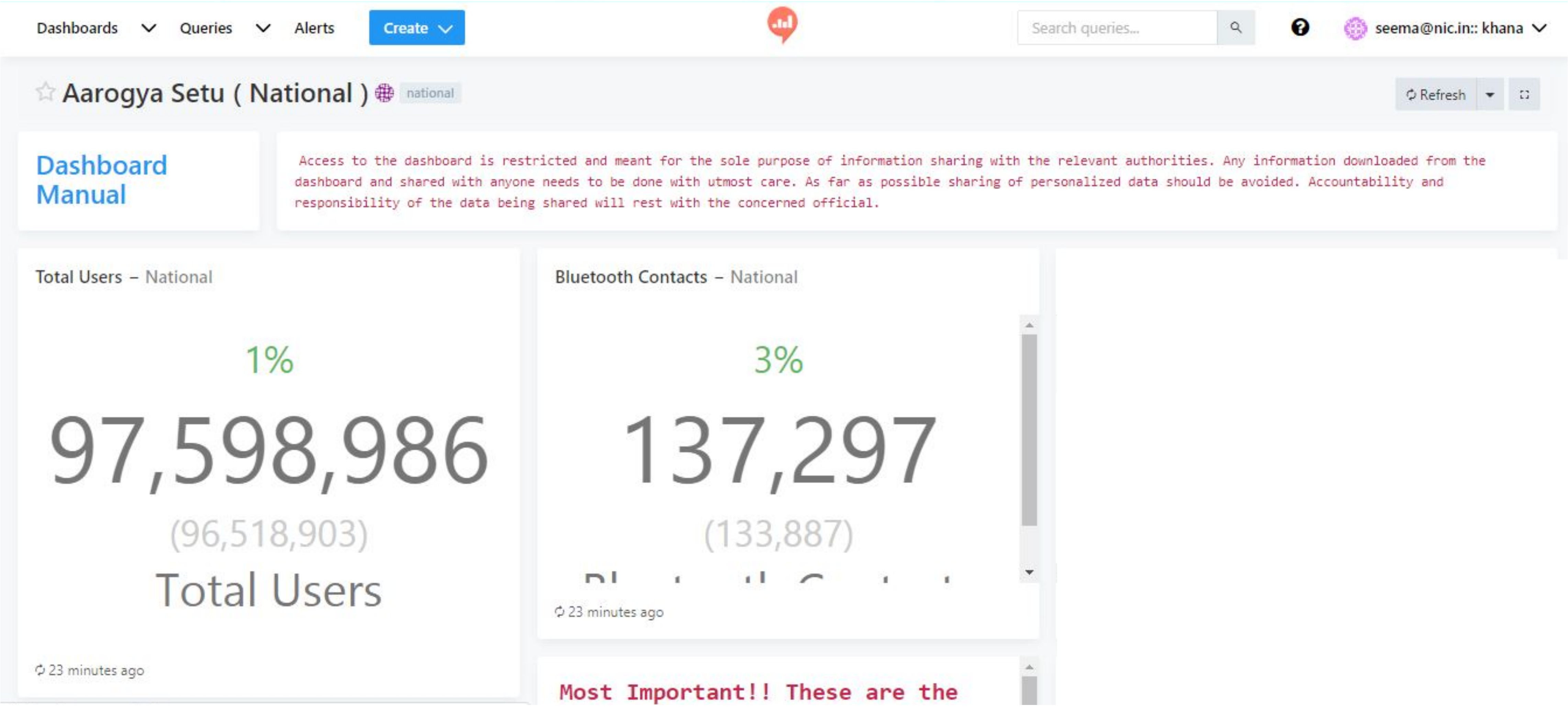
AAROGYA SETU – Key Statistics


Dashboards
Queries
Alerts
Create
Search queries...
seema@nic.in:: khana
Refresh

Aarogya Setu (National) national

Dashboard Manual

Access to the dashboard is restricted and meant for the sole purpose of information sharing with the relevant authorities. Any information downloaded from the dashboard and shared with anyone needs to be done with utmost care. As far as possible sharing of personalized data should be avoided. Accountability and responsibility of the data being shared will rest with the concerned official.

Total Users – National

1%

97,598,986

(96,518,903)

Total Users

23 minutes ago

Bluetooth Contacts – National

3%

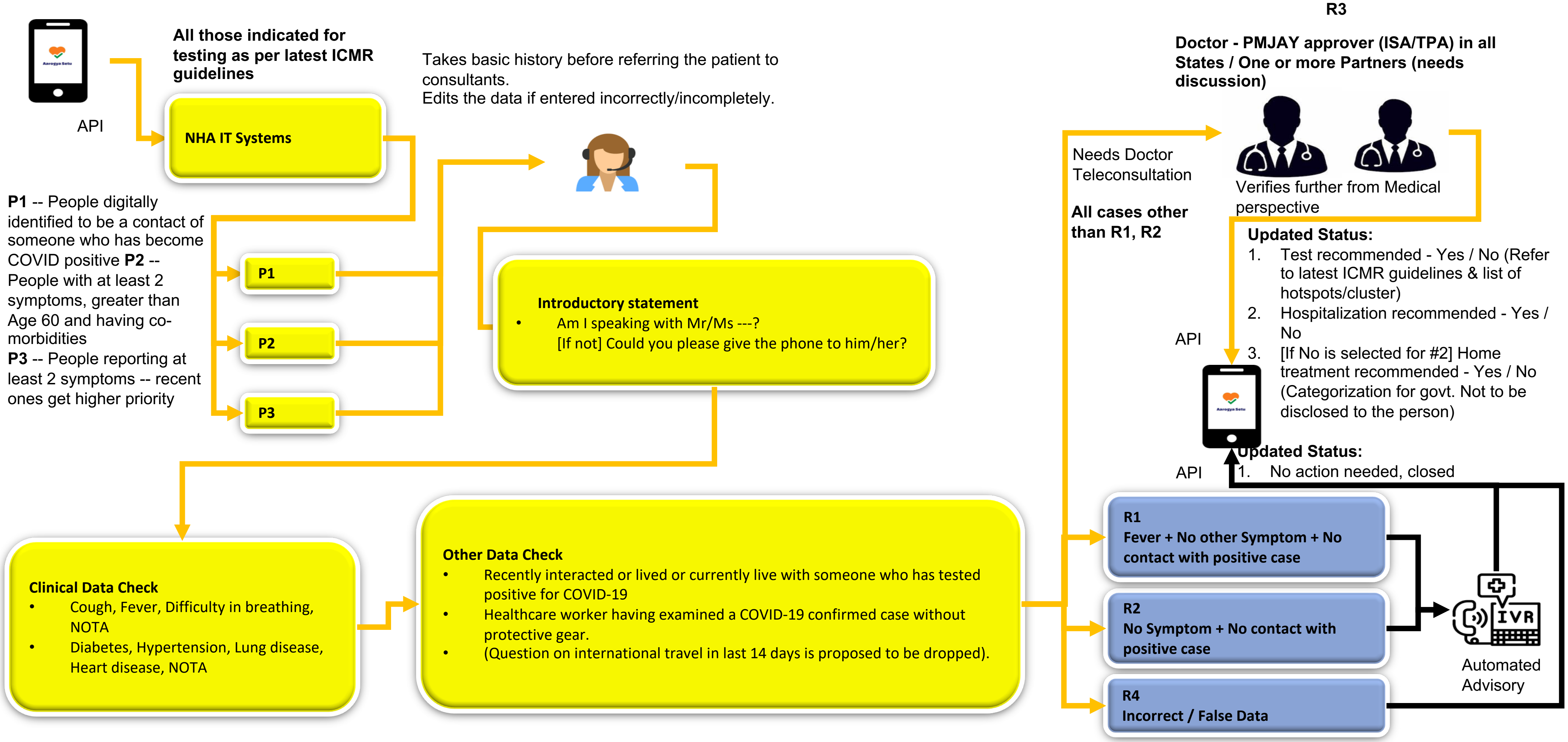
137,297

(133,887)

23 minutes ago

Most Important!! These are the

NHA Tele-caller



API

All those indicated for testing as per latest ICMR guidelines

NHA IT Systems

Takes basic history before referring the patient to consultants.
Edits the data if entered incorrectly/incompletely.

P1 -- People digitally identified to be a contact of someone who has become COVID positive **P2** -- People with at least 2 symptoms, greater than Age 60 and having co-morbidities
P3 -- People reporting at least 2 symptoms -- recent ones get higher priority

P1

P2

P3

Introductory statement

- Am I speaking with Mr/Ms ---?
  [If not] Could you please give the phone to him/her?

Clinical Data Check

- Cough, Fever, Difficulty in breathing, NOTA
- Diabetes, Hypertension, Lung disease, Heart disease, NOTA

Other Data Check

- Recently interacted or lived or currently live with someone who has tested positive for COVID-19
- Healthcare worker having examined a COVID-19 confirmed case without protective gear.
- (Question on international travel in last 14 days is proposed to be dropped).

R3

Doctor - PMJAY approver (ISA/TPA) in all States / One or more Partners (needs discussion)

Needs Doctor Teleconsultation

All cases other than R1, R2

Verifies further from Medical perspective

Updated Status:

1. Test recommended - Yes / No (Refer to latest ICMR guidelines & list of hotspots/cluster)
2. Hospitalization recommended - Yes / No
3. [If No is selected for #2] Home treatment recommended - Yes / No (Categorization for govt. Not to be disclosed to the person)

API

Updated Status:

1. No action needed, closed

API

R1
Fever + No other Symptom + No contact with positive case

R2
No Symptom + No contact with positive case

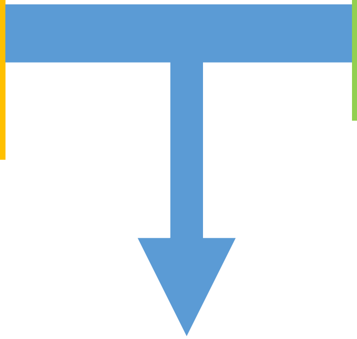
R4
Incorrect / False Data

Automated Advisory

Features available in Arogya Setu Dash Board

ITIHAS - History of movement of Covid confirmed patients in the 15 day period preceding the date of them testing positive

Aarogya Setu (AS) - Self assessment recorded with Latitude + Longitude



Objective

- Identify, Alert and Classify Probable areas of infection at PINCODE Sub-post office level.
- Pinpoint specific sub-area within those areas.
- For Action: List of DIDs (convertible to mobile numbers) within that area who have reported symptoms through AS.

Classification

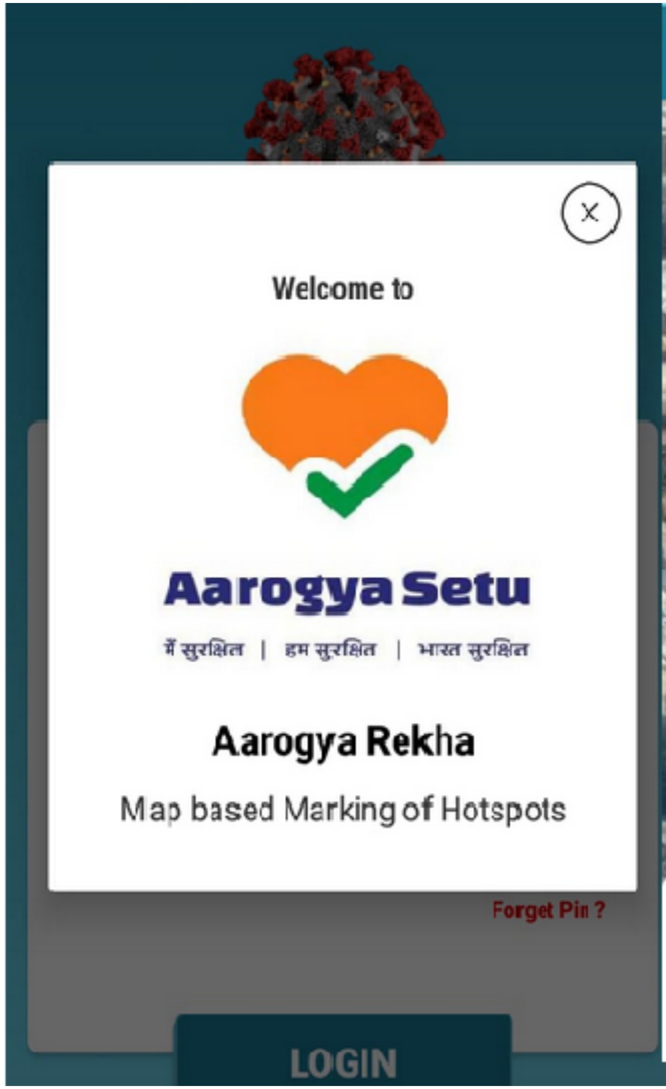
- Pink: Immediate Scrutiny Area
- Amber: Scrutiny Area
- Dark Blue: Immediate Watchlist Area
- Light Blue: Watchlist Area

State-wise Downloadable Report

For every District

- PINCODE sub post office wise areas classified for Covid.
- District wise Hidden C-19 spots not covered under hot spots announced by respective State Govt.

Map Based Marking of Hotspots by Officials



Welcome to

Aarogya Setu

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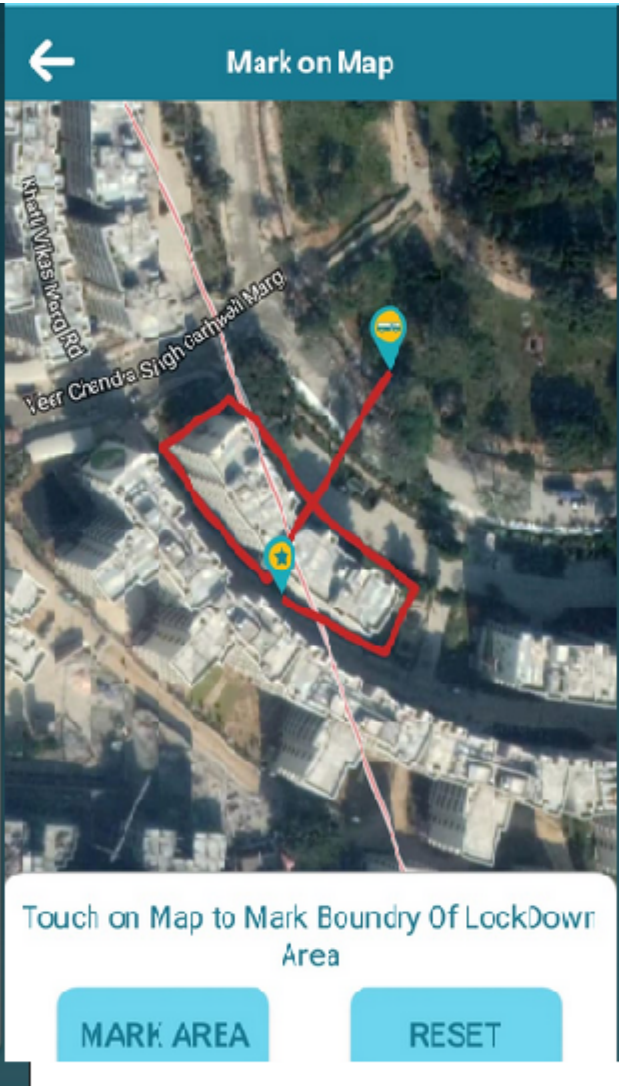
Aarogya Rekha

Map based Marking of Hotspots

Forget Pin ?
LOGIN



Mark on Map

Khadi Vikas Marg Rd
Veer Chandra Singh Garhwali Marg

Touch on Map to Mark Boundry Of LockDown Area

MARK AREA
RESET

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PRIVACY FIRST FOR AAROGYA SETU (1/6)

DID YOU KNOW?

Upon sign up, every user is assigned a unique randomised anonymous device id. All communications between two devices and between device and server is done using device ID, no personal information is used for any communication.

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PRIVACY FIRST FOR AAROGYA SETU (2/6)

DID YOU KNOW?

The App stores an encrypted signature when you come in proximity with other registered devices. This interaction information is NOT pushed to the server unless you turn COVID-19 positive

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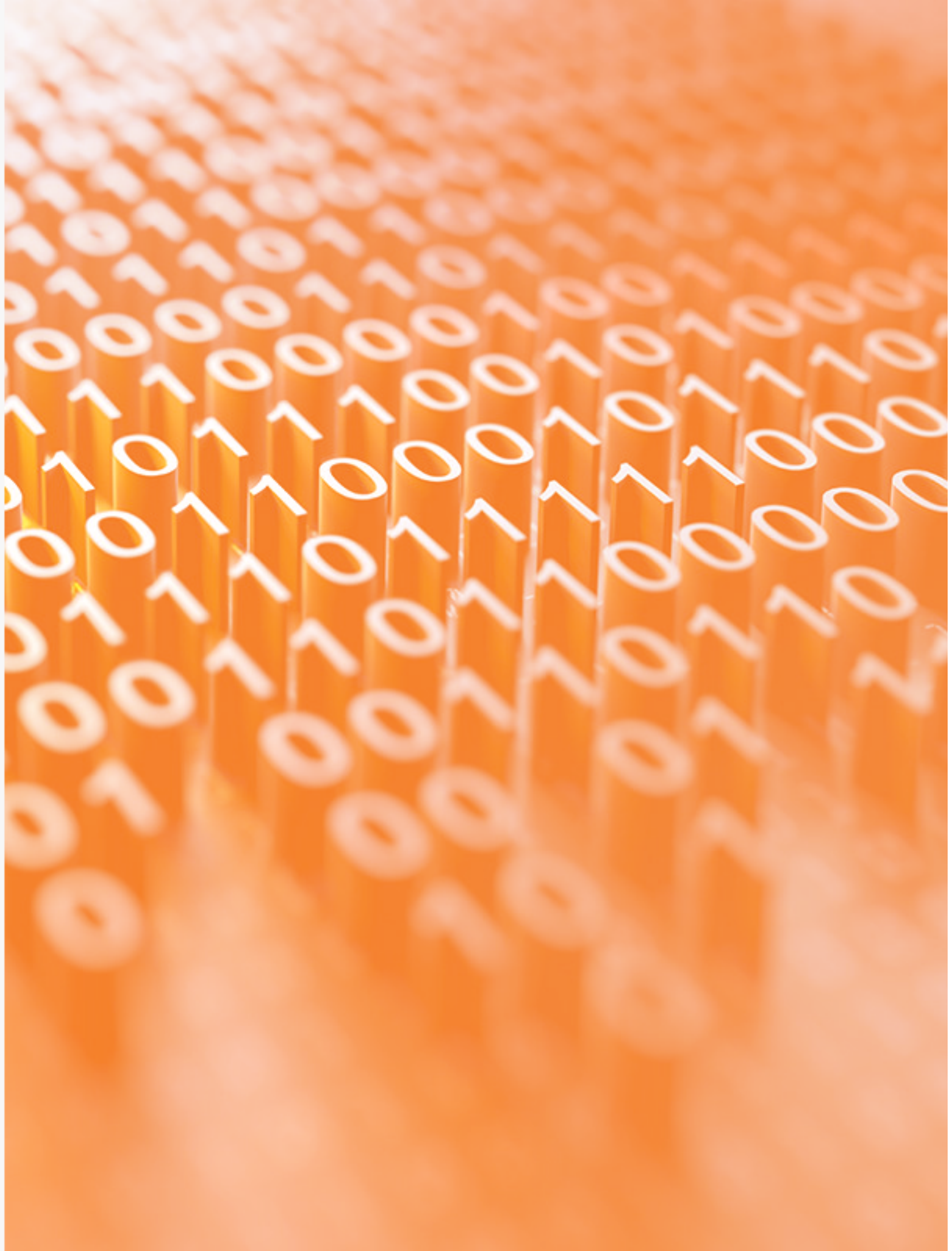

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PRIVACY FIRST FOR AAROGYA SETU (3/6)

DID YOU KNOW?

Government uses your information ONLY for administering COVID-19 related health interventions and NOT for any other purpose.

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PRIVACY FIRST FOR AAROGYA SETU (4/6)

DID YOU KNOW?

The App never reveals your personal identity to anyone; the identity of COVID-19 patients is NOT shared with the public at large

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PRIVACY FIRST FOR AAROGYA SETU (5/6)

DID YOU KNOW?

All unique interactions stored only for 30 days on the device; data on the server deleted in 45 days for non-risk users, 60 days from the date of cure for COVID-19 positive patients

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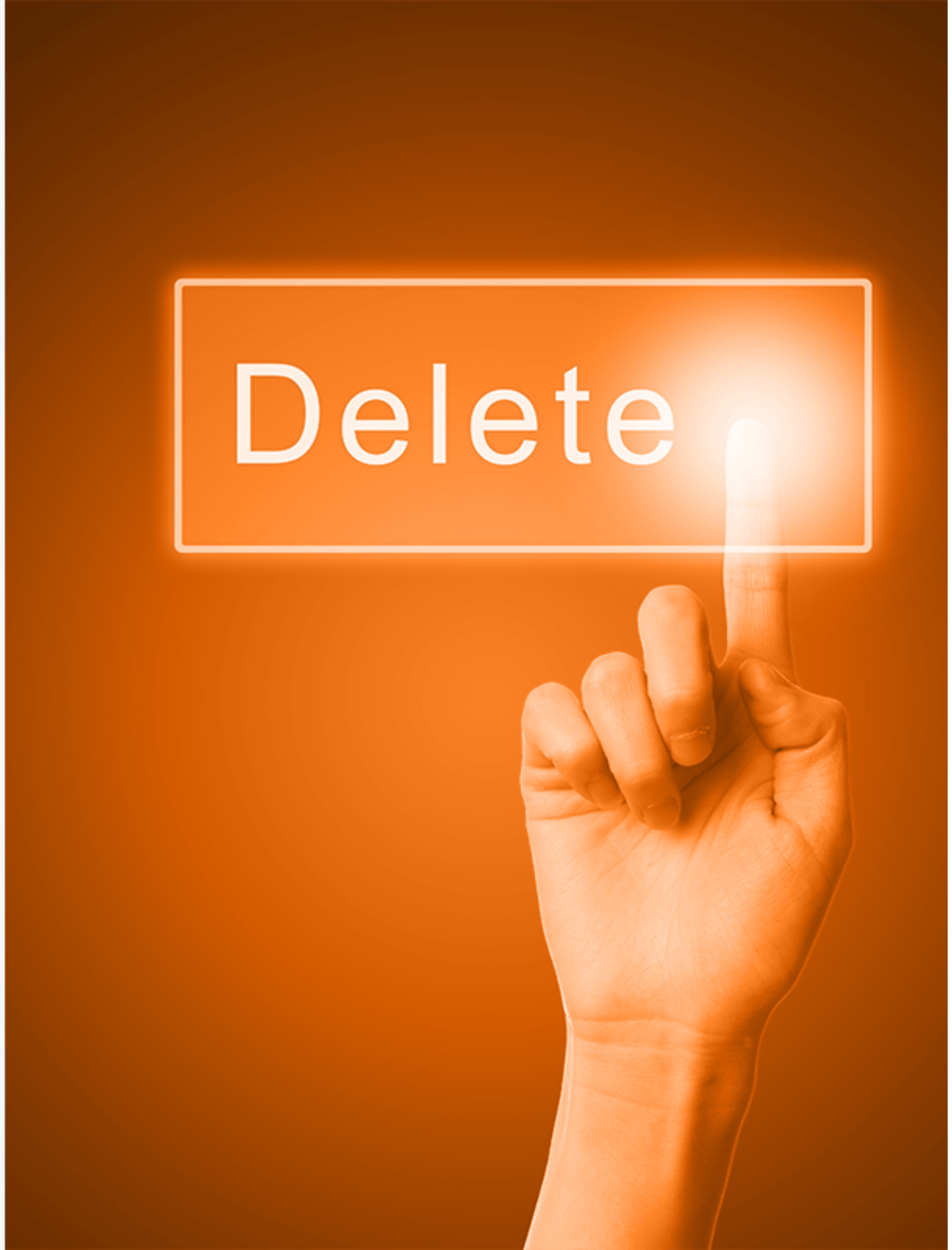

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PRIVACY FIRST FOR AAROGYA SETU (6/6)

DID YOU KNOW?

Your location data is used, in case you tested positive, only to map places you visited in past 14 days for sanitisation & testing of people to prevent further spread

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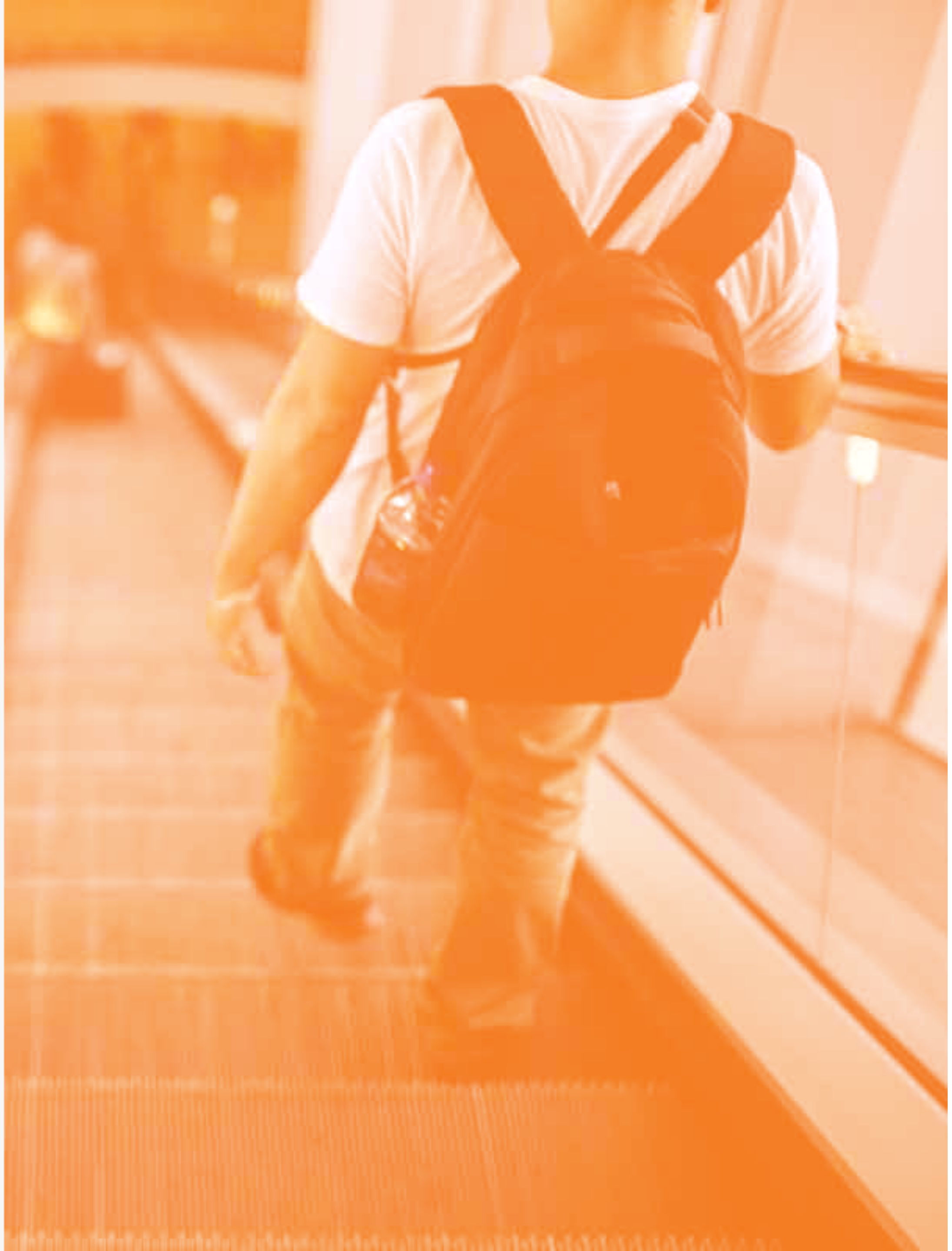
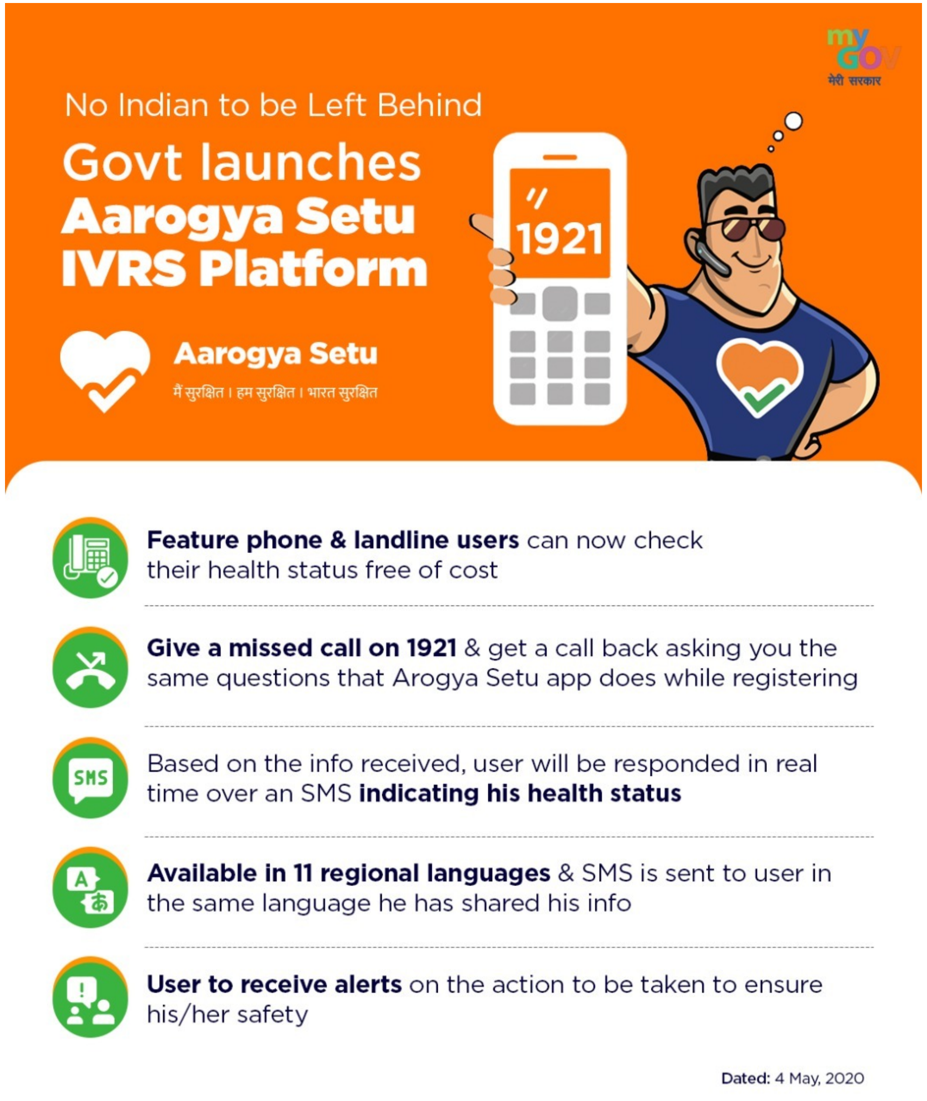


Aarogya Setu IVRS : For Feature Phones & Landlines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1921

No Indian to be Left Behind

Govt launches Aarogya Setu IVRS Platform

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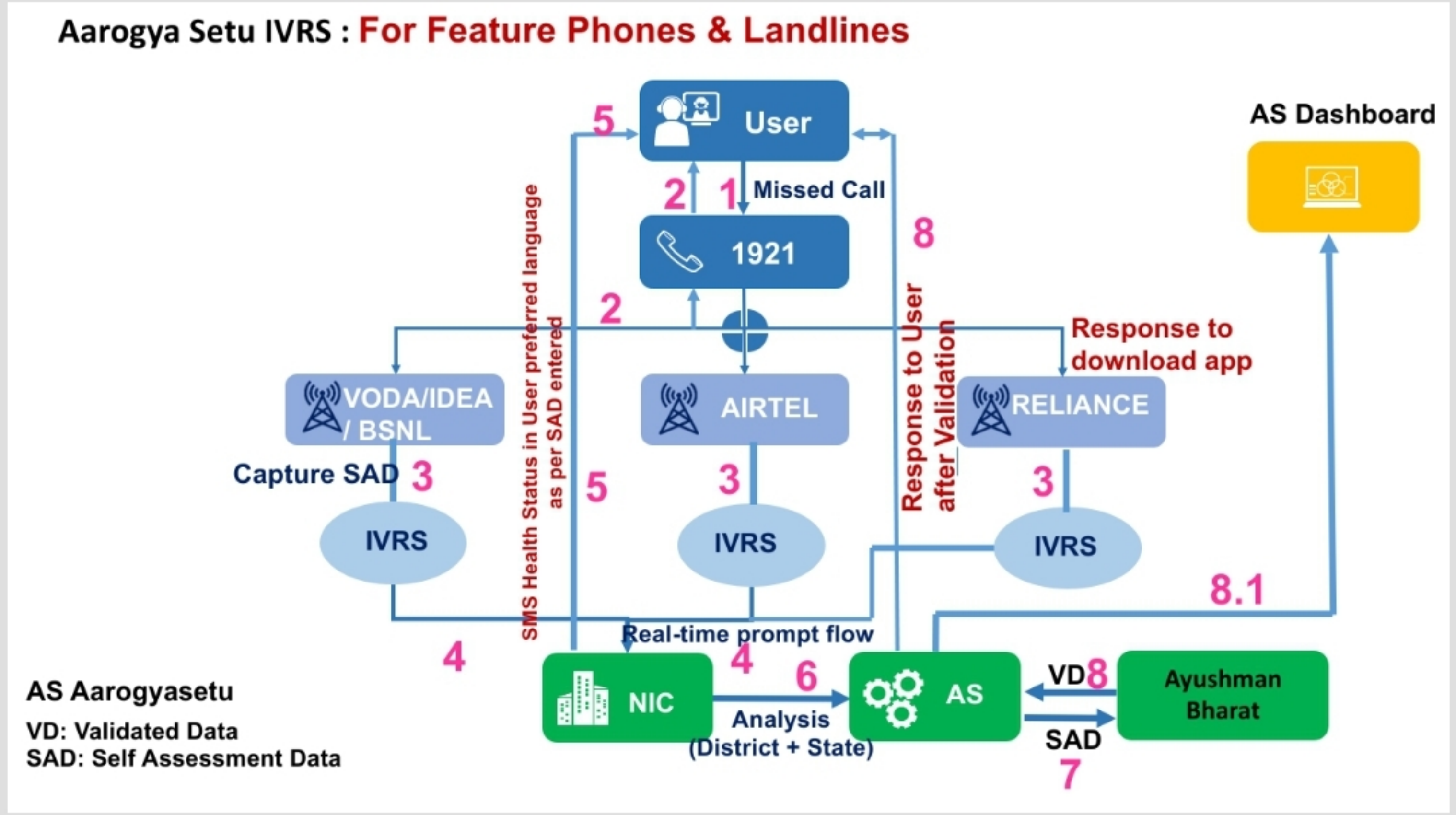
- **Feature phone & landline users** can now check their health status free of cost
- **Give a missed call on 1921** & get a call back asking you the same questions that Arogya Setu app does while registering
- Based on the info received, user will be responded in real time over an SMS **indicating his health status**
- **Available in 11 regional languages** & SMS is sent to user in the same language he has shared his info
- **User to receive alerts** on the action to be taken to ensure his/her safety

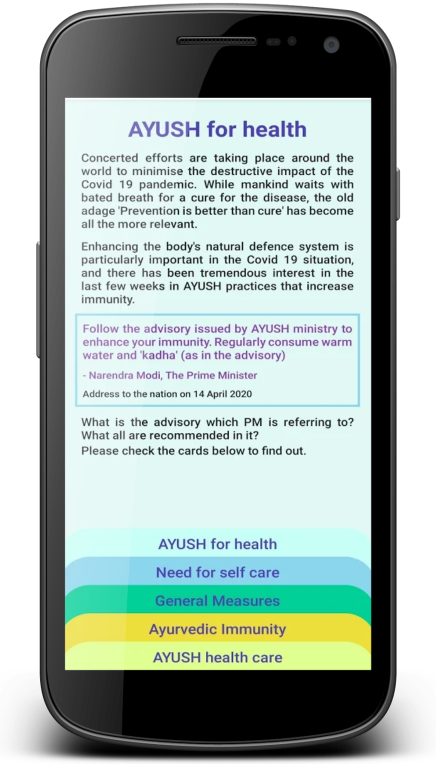
Dated: 4 May, 2020


Aarogya Setu IVRS : For Feature Phones & Landlines
User
5
2
1
Missed Call
1921
8
2
AS Dashboard
Response to download app
VODA/IDEA / BSNL
AIRTEL
RELIANCE
SMS Health Status in User preferred language as per SAD entered
Response to User after Validation
Capture SAD
3
5
3
3
IVRS
IVRS
IVRS
8.1
4
Real-time prompt flow
4
6
NIC
AS
VD8
Ayushman Bharat
Analysis (District + State)
SAD
7
AS Aarogyasetu
VD: Validated Data
SAD: Self Assessment Data

COVID-19 Saavdhaan System	COVID Quarantine Alert System (CQAS)	Mobile Subscriber Migration
SMS messages(Hindi/ English/ Tamil/ Telugu/ Malayalam/ Marathi) are sent to a targeted geographical area identified by State Govts	Auto Email / SMS sent to State Govt. agency, if identified Corona +ve or quarantined person, moves away from his quarantined mobile tower area	Mobile Phone tower dump data of pre and post lockdown has been analyzed to get the details of movement of migrants from their present location
Around 16.5 Cr SMS sent	Andhra Pradesh, Delhi, Haryana, Madhya Pradesh, Meghalaya, Chhattisgarh, Maharashtra, Nagaland, Karnataka, Punjab, Rajasthan, Telangana, Bihar and West Bengal	Active support has been provided to Bihar government in respect of movements made from Metros to Bihar and their present location in various districts of Bihar
	Quarantine Alert sent to 3.45 Lakh Mobiles	Similar request have been received from Odisha, Karnataka, Gujarat and Maharashtra government

Ayush Sanjivani App

ayush
Sanjivani



AYUSH for health

Concerted efforts are taking place around the world to minimise the destructive impact of the Covid 19 pandemic. While mankind waits with bated breath for a cure for the disease, the old adage 'Prevention is better than cure' has become all the more relevant.

Enhancing the body's natural defence system is particularly important in the Covid 19 situation, and there has been tremendous interest in the last few weeks in AYUSH practices that increase immunity.

> Follow the advisory issued by AYUSH ministry to enhance your immunity. Regularly consume warm water and 'kadha' (as in the advisory)
>
> - Narendra Modi, The Prime Minister
>
> Address to the nation on 14 April 2020

What is the advisory which PM is referring to? What all are recommended in it?
Please check the cards below to find out.

GET IT ON Google Play

Download on the App Store

Coming Soon

Features

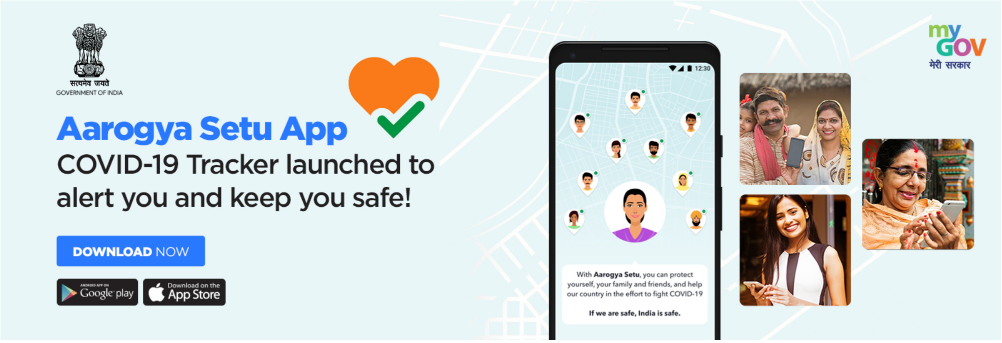
- **Feedback app** for analysing the impact of AYUSH interventions for boosting immunity during COVID-19
  - Includes Ayurveda measures suggested by the **Hon'ble PM during Mann ki Baat**
- Intended for General Public and Registered AYUSH Practitioners
- Launched by **Union Health Minister, Dr. Harsh Vardhan**

Key Statistics

- 40,800+ Downloads (as on 11 May 2020)
- 4.48 Avg Rating
- 3.63 MB Size

Aarogya Setu Promotional activities

- Promoting Downloads of Aarogya Setu App
- Setu Mera Bodyguard campaign – Film with Ajay Devgan
- Promoted on DD, TV Channels
- Social Media Campaigns
- Also on WhatsApp Chatbot, Podcasts, Emailers, SMS, Umang, CBPS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COVID-19 Tracker launched to alert you and keep you safe!
DOWNLOAD NOW
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If we are safe, India is safe.
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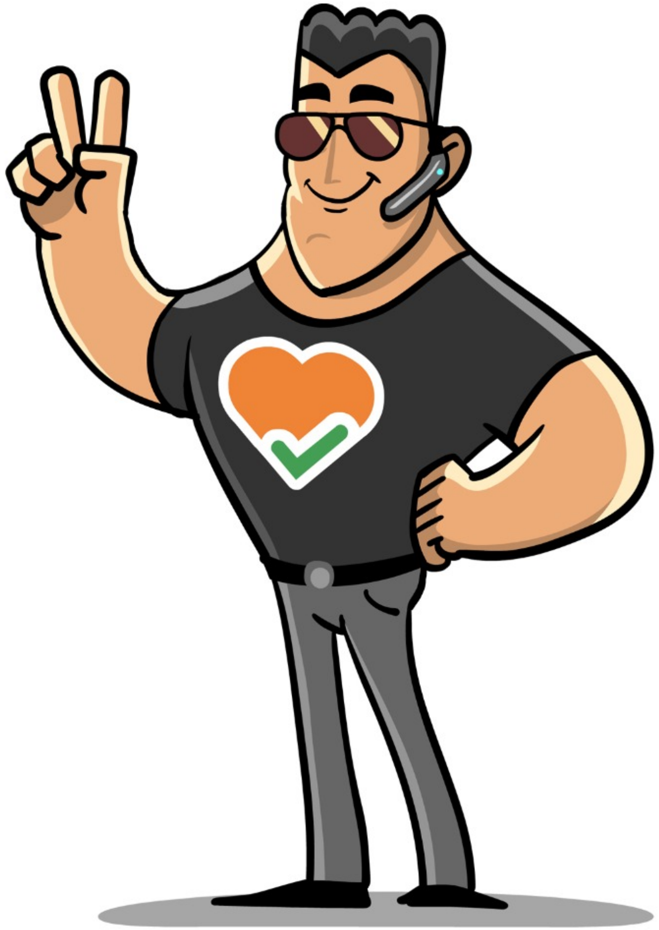
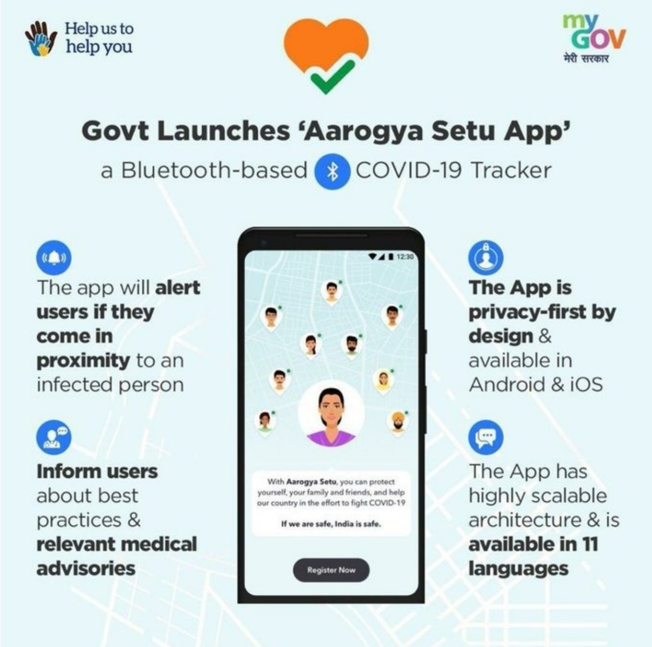


Infographics & Banners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12:30
Register Now

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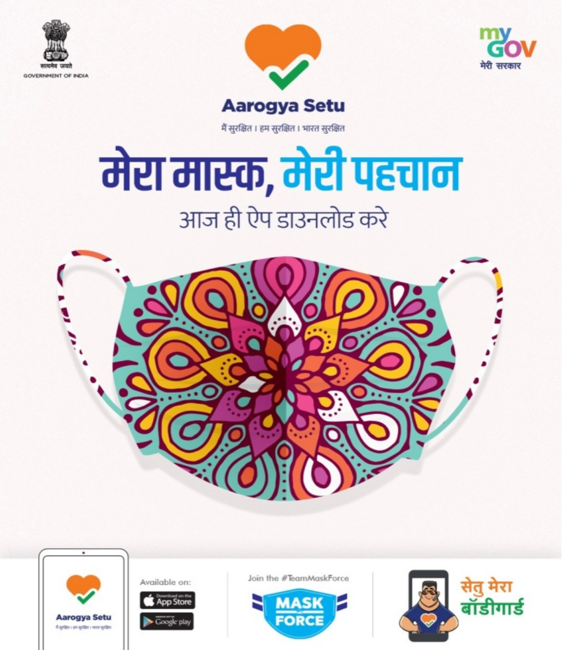
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मेरा मास्क, मेरी पहचान

आज ही ऐप डाउनलोड करे

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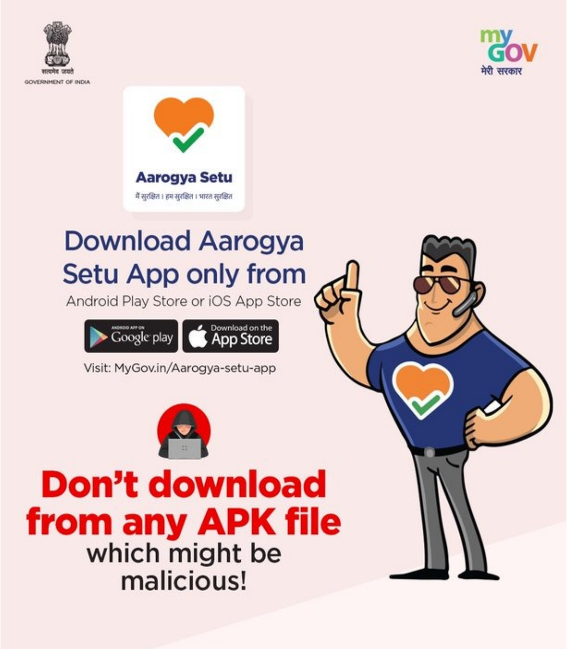
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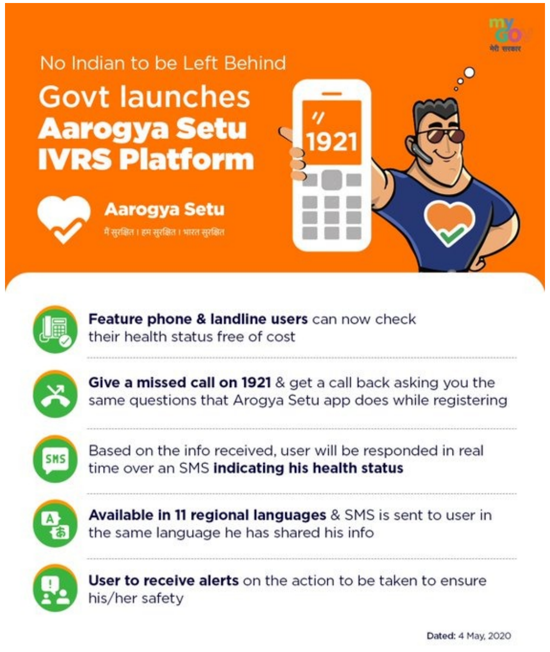
Don't download from any APK file which might be malicious!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SMS

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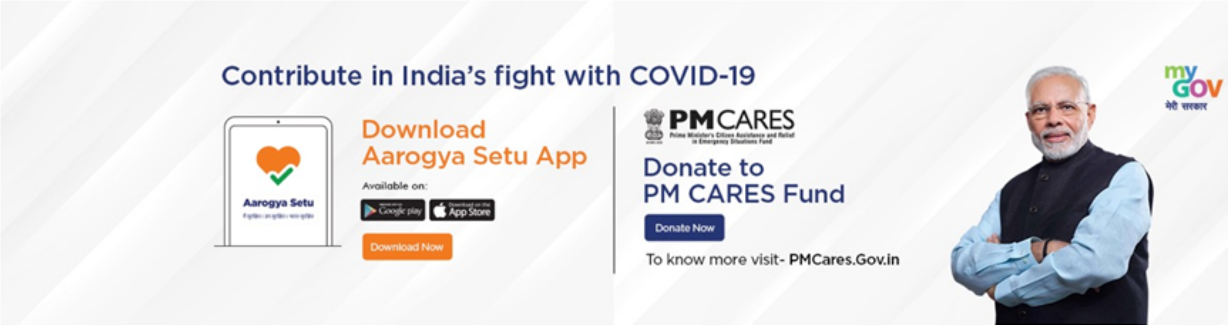
Contribute in India's fight with COVID-19

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Prime Minister's Citizen Assistance and Relief in Emergency Situations Fund
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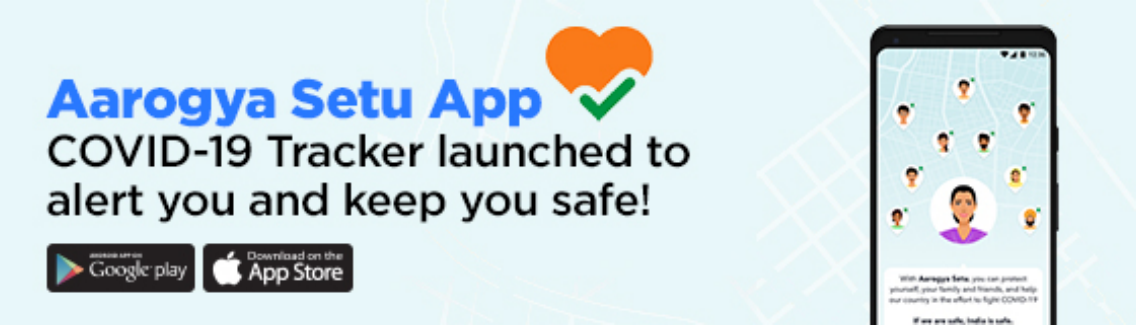
Donate to PM CARES Fund

Donate Now

To know more visit- **PMCares.Gov.in**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Thank You