Home Isolation Tracking (HIT-COVID)
Objectives

- Track Patient condition who are in Home Isolation through field level workers
- Auto Alert for Identified critical patients at Multiple levels to take preventive action
- Identify Critical Patients for Transferring to Health Care Facilities
- Decision Support System for an early response to minimal loss of life
Process Flow

Start

Data Sync from CoVID 19 Portal

Tagging of ANM by Concerned Districts

Daily Data Updation by ANM

Parameters Temp. & SPO2 within threshold

Patient released from hospital

Patient to be admitted to hospital

Updated Dashboard and MIS

Stop
Key Stakeholders

- Auxiliary Nursing Midwife (ANM) Workers and Other Health Workers
- Urban and Rural population
- District Administration
- Health Department, GoB
- Department of IT, GoB
Key Features

- **Automatic Data Sync** between State Health Society and HIT COVID App to reduce Human Interventions and duplication efforts.

- Enables District Administration to Involve multiple type of Users as per their ease and availability.

- To enable more penetration, Mobile and Web Version both were developed to gather more data with more resources so that availability of device doesn`t become a bottle neck.
Technology Aspects

Web technology: ASP Dot Net 4.5

Web server: IIS

Hosted at: State Data Centre Bihar

Database Server: SQL Server 2017
**Major Challenges**

- Implementation within shortest possible time at war foot by coordinating with multiple departments.
- Easy interface with minimal data entry, that can be handled by non-technical workforce.
- Absolutely no time for Capacity Building: Self intuitive interface so that ANM may use the app with minimal training.
- Multiple stakeholders and functionaries across departments.
Impact on Ground

Effective monitoring of 1.3 Lakh+ unique patients in Home Isolation

More than 15,000 Home Isolated Patients were tracked everyday during the peak of second wave

More than 5500 patients provided support at different stages

Approx 300 critical patients Hospitalized..

..and Saved Lives.
EPILOGUE

• App is meant to enable the grass root health functionaries to reach the last person in the society for providing the critical health support.

• It also gave a positive message that the government is tracking each of the patient by visiting the door step of patients.

• User friendly – needs Minimal IT capabilities of the Ground level staff
Pro-active monitoring during Home Isolation
In the News

CM launches app for tracking patients under home isolation

CM NITISIJ KUMAR AEO INSPECTED KITCHENS SET UP IN 15 DISTRICTS

"If required, those patients with an oxygen level below 94 will be shifted to a dedicated health centre for timely medical treatment," he added.

Information and Technology secretary Santosh Kumar Mall said the application has been developed by BELTRON in collaboration with the state health department.

Kumar also inspected community kitchens set up in 15 districts through a virtual tour.

As per the Prima district administration, more than 1.30 lakh people have been fed 111,015 meals through 19 community kitchens set up in the district.
Thank you