

FGAI4H-I-048-A01

E-meeting, 7-8 May 2020

Source: Editors

Title: Updated DEL09.1, DEL09.2 – Att.1: Presentation

Purpose: Discussion

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Abstract: This PPT summarizes the content of I-048 and I-049 with an overview of the mobile and cloud-based AI for health applications for presentation and discussion during the meeting.



Connecting People, Saving Lives

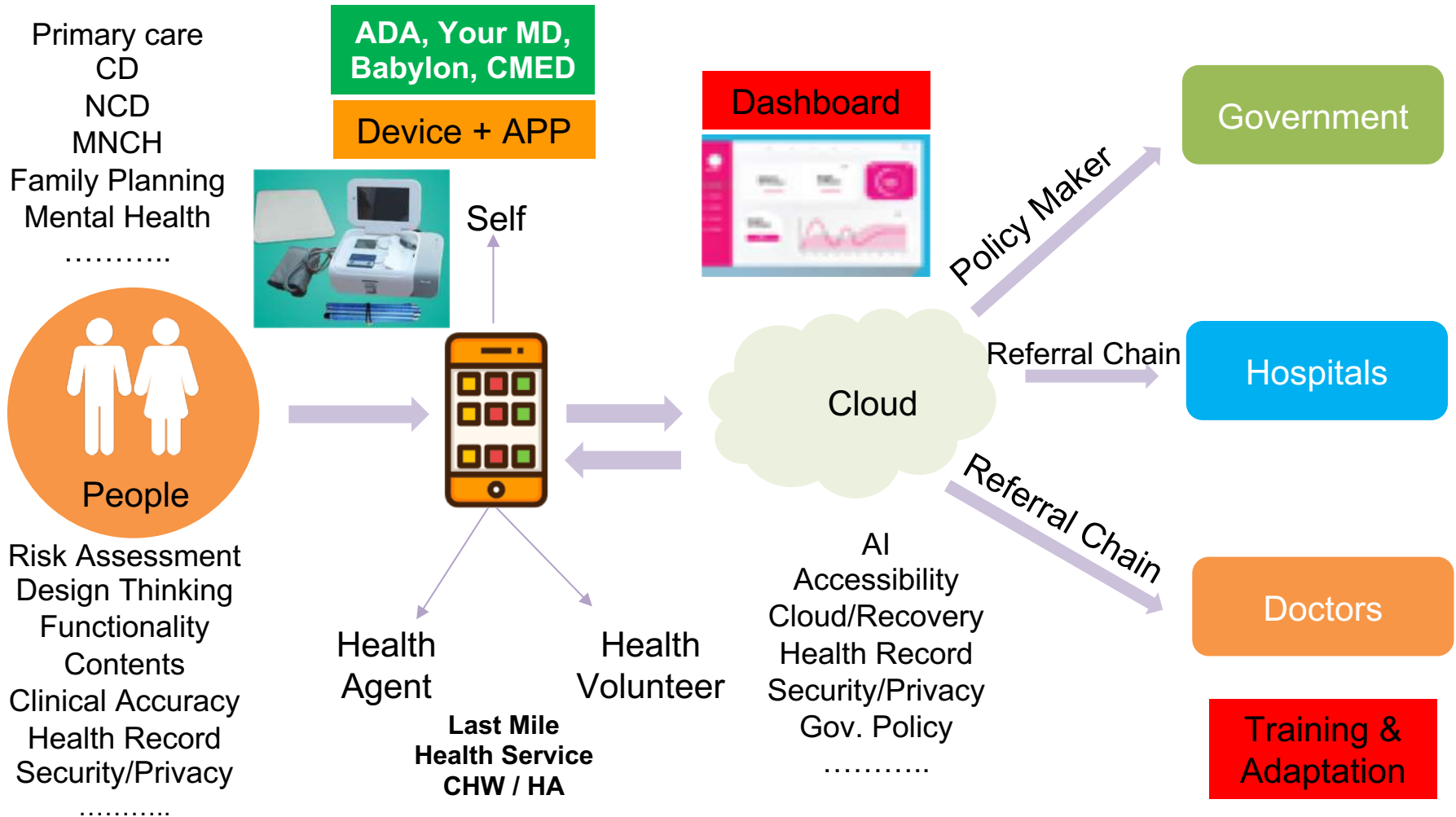


AI4H Mobile applications & Cloud-based AI applications

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AI4H Mobile applications & Cloud-based AI applications

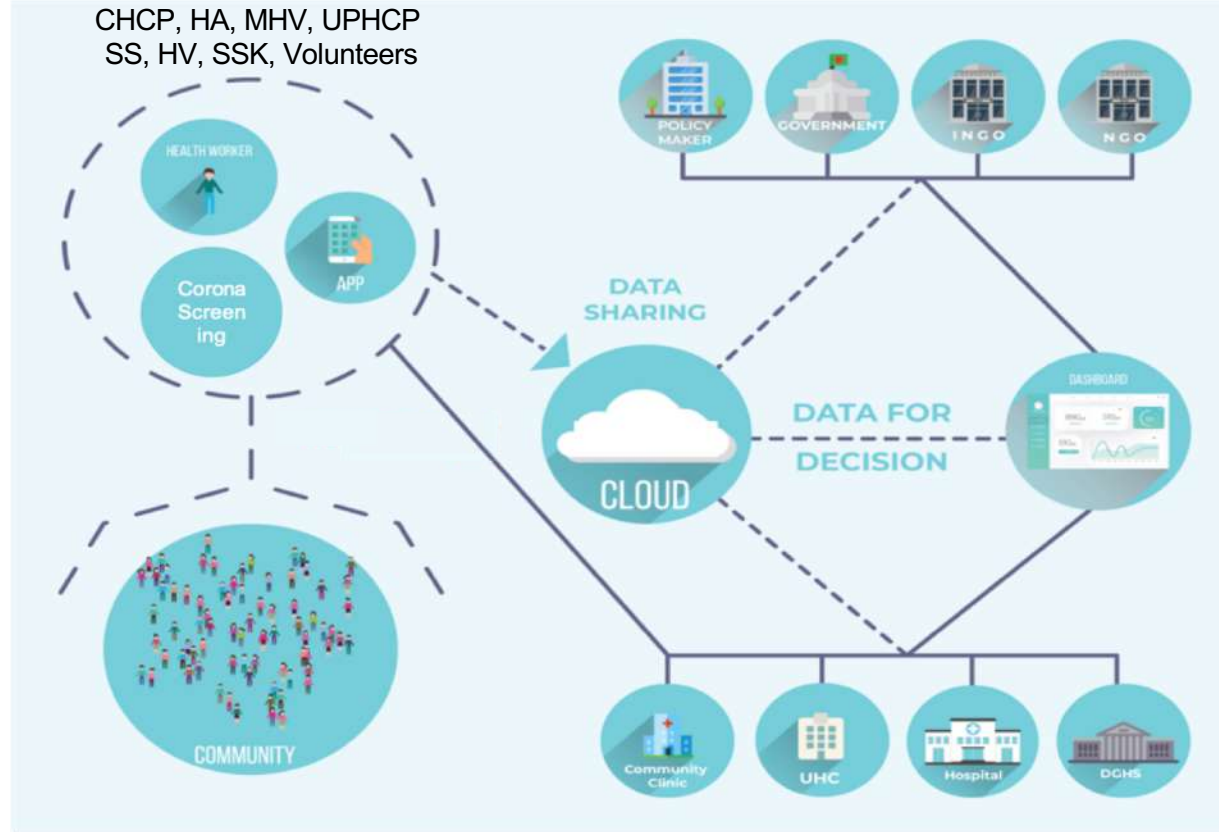
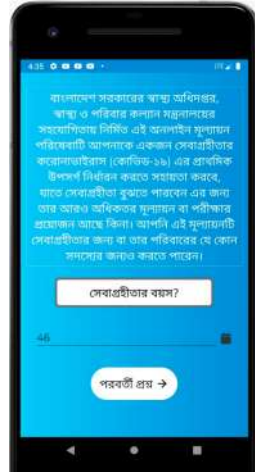
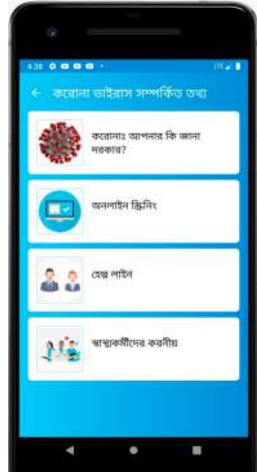


AI Based COVID-19 Digital Surveillance Platform

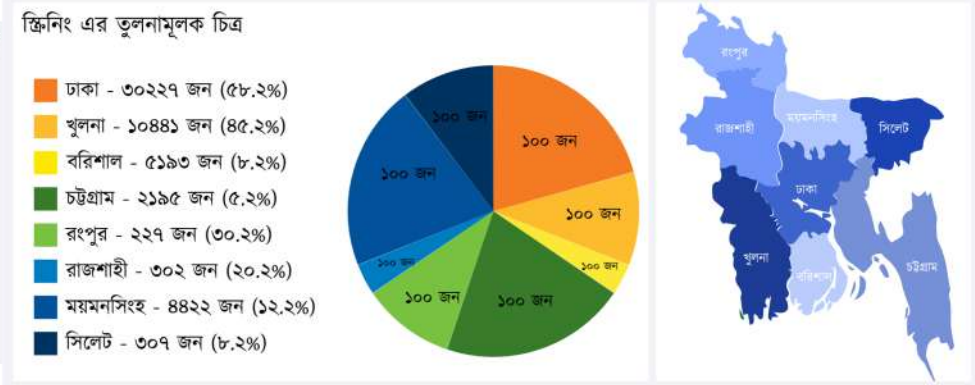
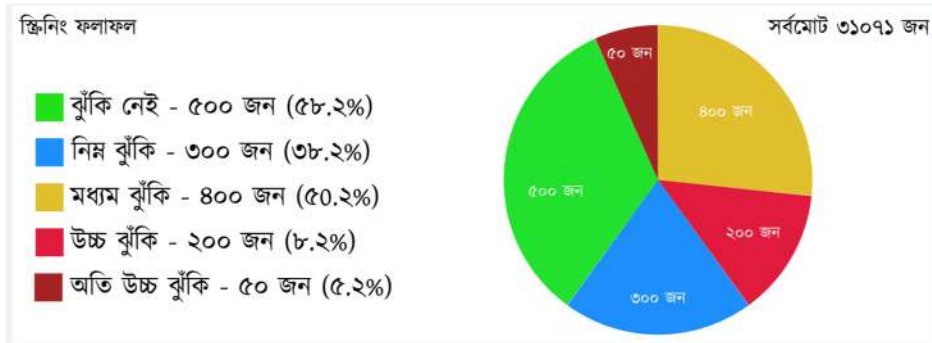


AI based National COVID-19 Digital Surveillance Platform for Bangladesh to evaluate community transmission and identify high risk zones through collecting COVID-19 screening data at the community level.

AI Based COVID-19 Digital Surveillance Platform



AI Based COVID-19 Digital Surveillance Dashboard



Initiative & Implementation

Research

Development & Maintenance





CMED

Connecting People, Saving Lives



Last Mile Health Service for
Universal Health Coverage



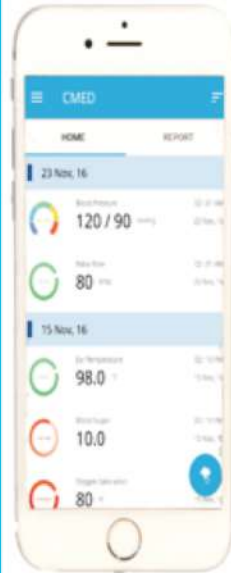
IoT enabled Artificial Intelligence Driven Cloud based Preventive and Primary Care Platform

Affordable

Accessible

Easy to Use

Sustainable



CMED Health Objectives

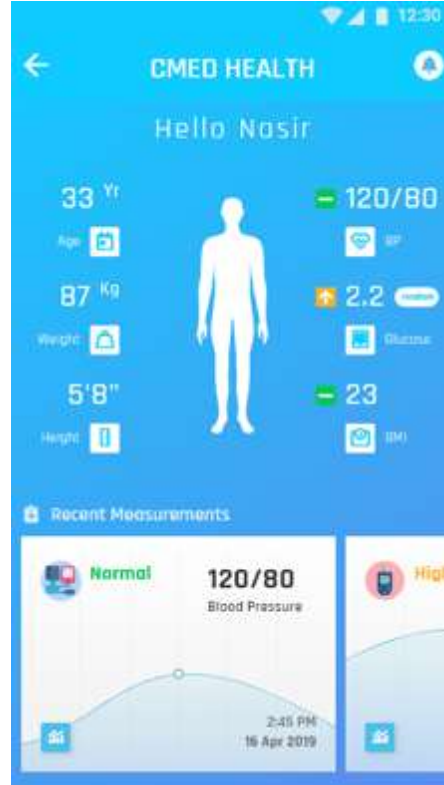
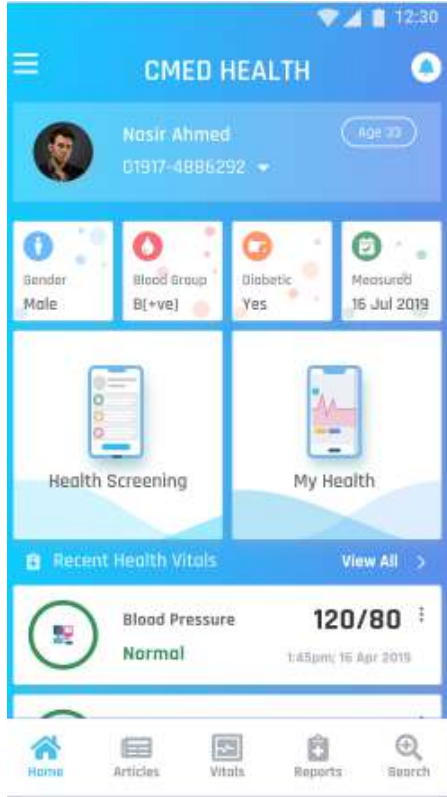
Connecting People, Saving Lives

What CMED comes with?

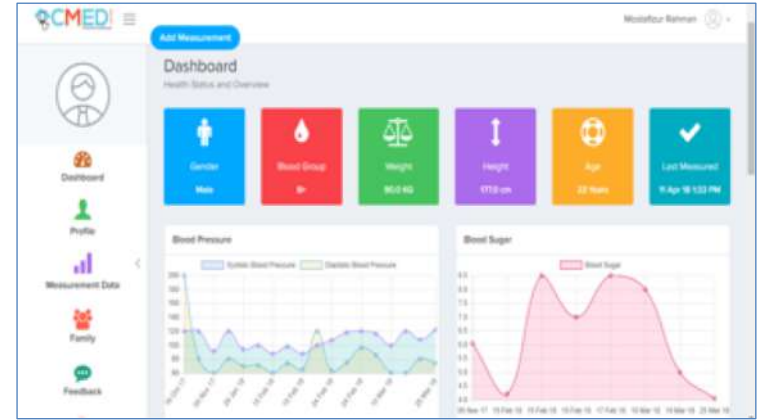
- Health **Monitoring**
- Health **Risk Assessment**
- Health **Education and Awareness**
- **Prevent NCDs**
- Ubiquitous **Access to data**
- Create **Referral System**



User App & Dashboard



Personal Dashboard



CMED!
App# C-5, House# 745, Subex Green, Salmiya Road, Doha, Qatar 1208

Date: 15/04/18
Name: Mostafa Rahman
CMED ID: 01FLNED381
Date of Birth: 07 January 1981
Blood Group: O+

CMED Health Screening Report

Type	Date	Result	Status	Remarks
SPO2	15 Jan 18 8:10 PM	99.0%	Normal	Normal Range: 95.0 - 100.0
PULSE	15 Jan 18 8:10 PM	91.0 bpm	Normal	Normal Range: 60.0 - 100.0
PULSE	15 Jan 18 8:13 PM	92.0 bpm	Normal	Normal Range: 60.0 - 100.0
BLOOD PRESSURE	15 Jan 18 8:13 PM	Sys: 116.0 Dia: 79.0	Normal	Normal Range: Syst(D9) - 120) DIA(8) - 80)
BMI	15 Jan 18 8:14 PM	BMI: 27.75 Weight: 80.0 KG Height: 5' 9"	Overweight	Normal Range: 18.5 - 24.9
BLOOD SUGAR	15 Jan 18 8:17 PM	10.33 mmol/L	High Random	Normal Range: 3.3 - 7.8

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Health Report Sharing



Health Report

AI4H : Mobile & Cloud based Service Model

Health Ecosystem for Dev. countries

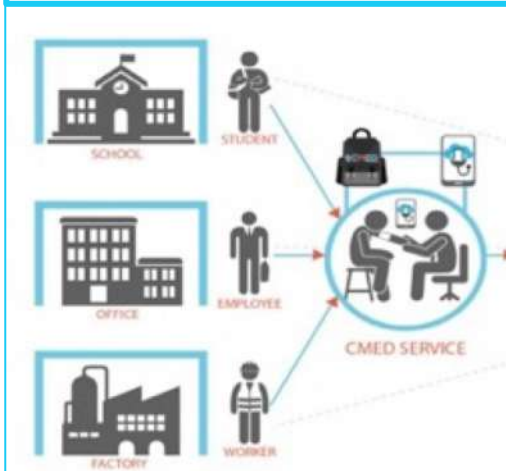
UBER in Primary Health Service



Organizations (WWP)

Pharmacy (DSA)

Health Assistant (SSK)

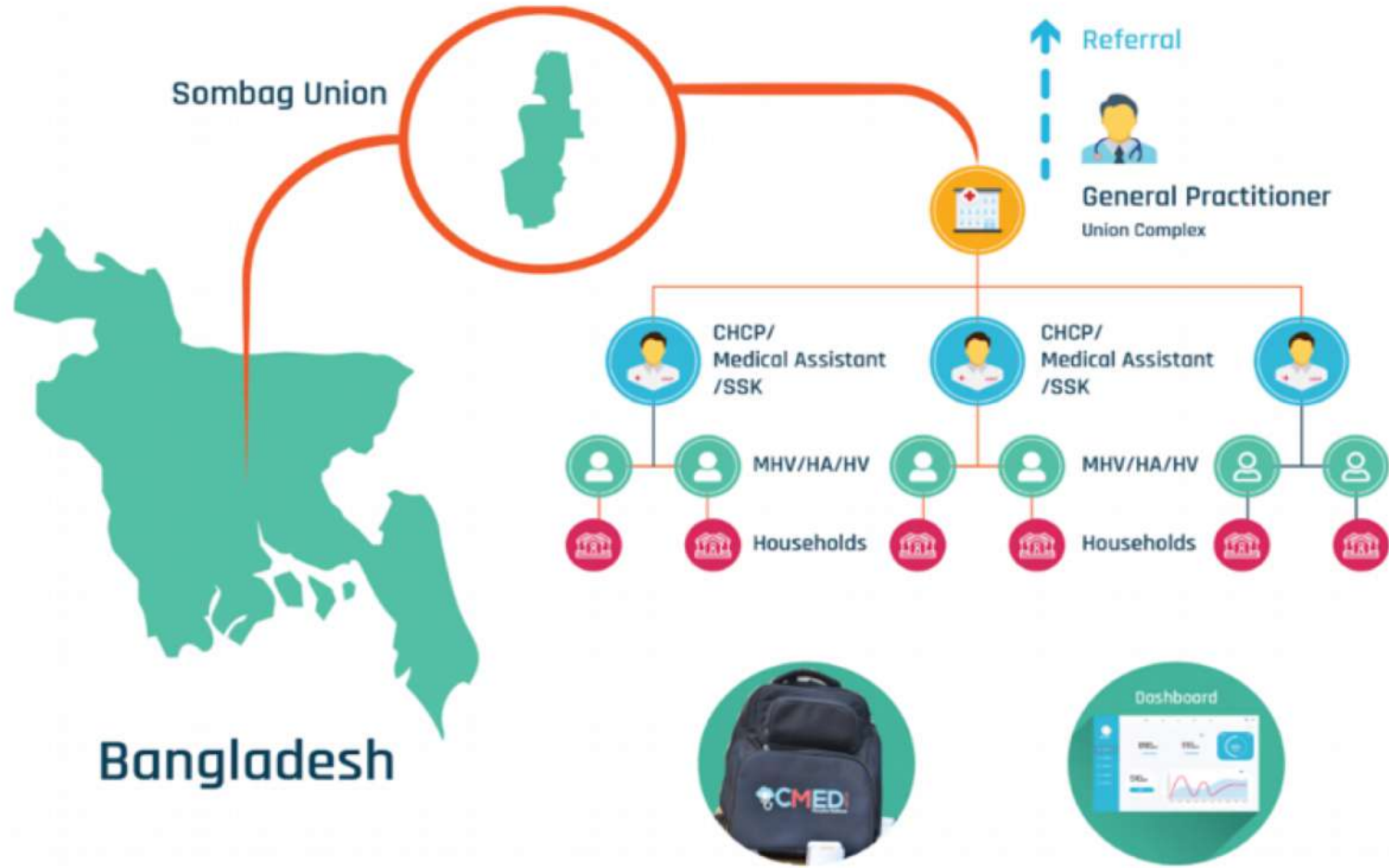


90% don't Have Health services

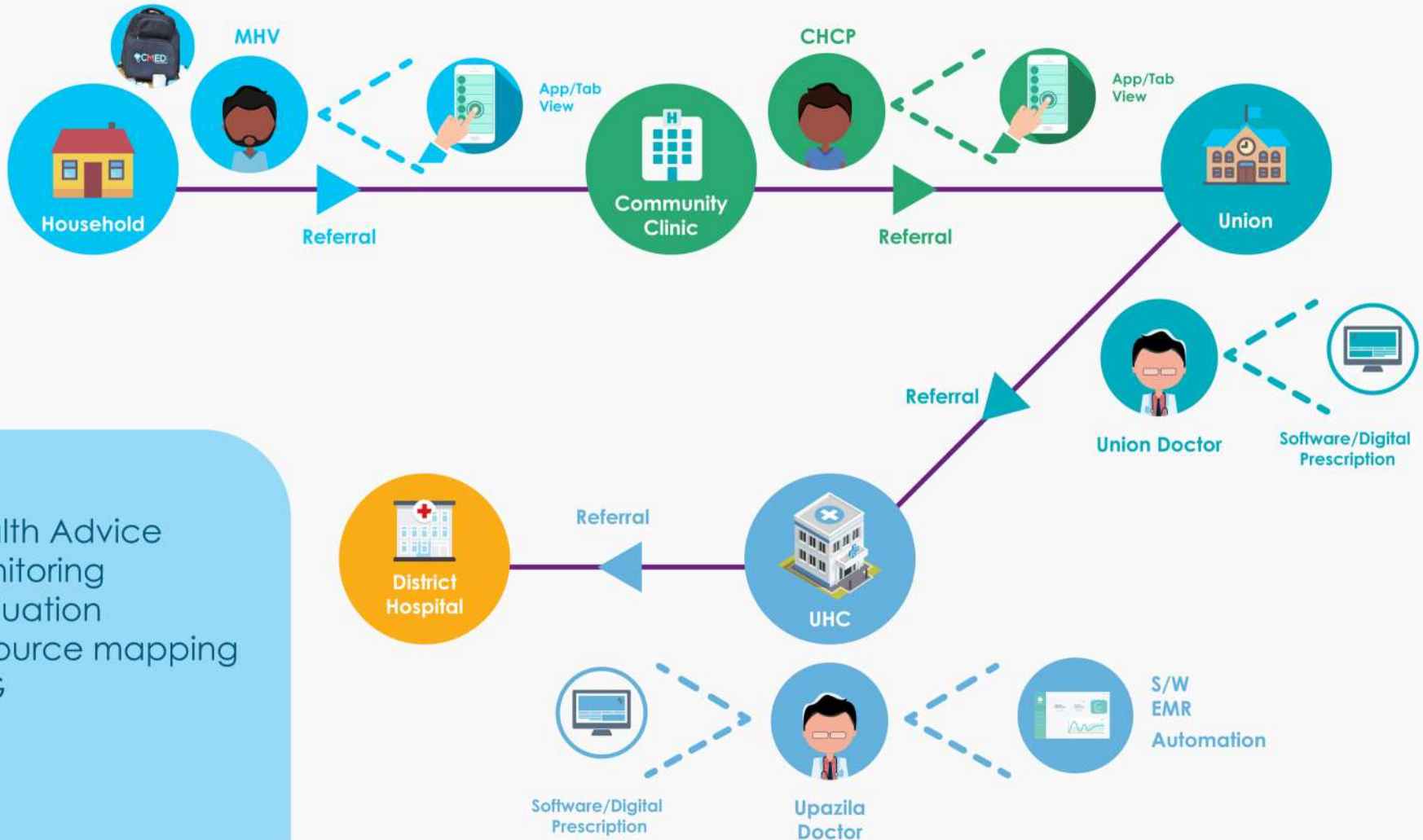
65% visit pharmacies
Primary Healthcare
200K+ Pharmacies

15K+ Jobless
5K new graduating/year

General Practitioner (GP) Model @ Union Level for Primary Healthcare Service

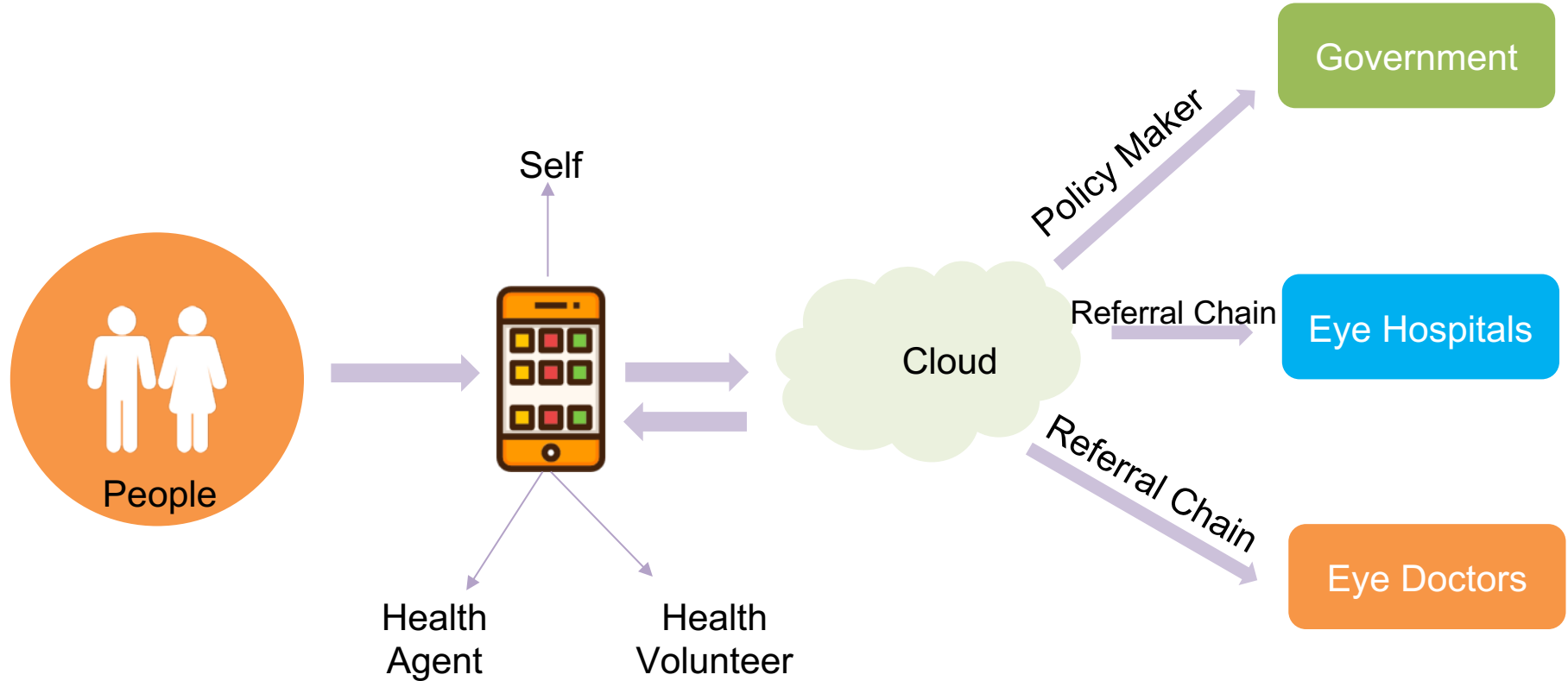


GP Model and Referrals System from Primary, Secondary & Tertiary Care



- Health Advice
- Monitoring
- Evaluation
- Resource mapping
- SDG

Virtual Eye Doc: AI based Smart Mobile App for Eye Care



PVDoc: AI based Parkinson's Virtual Doctor

Cloud based AI Driven Screening
and Monitoring System for
Parkinson's Diseases

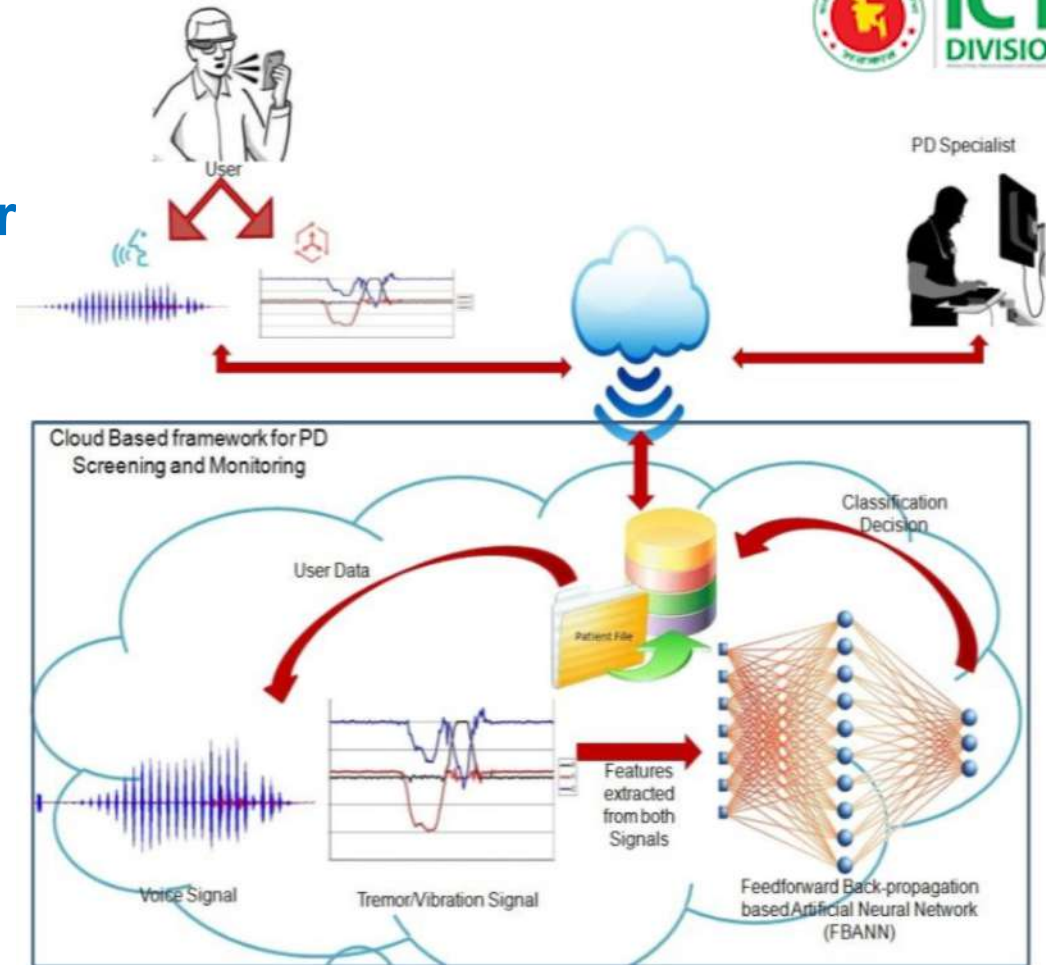


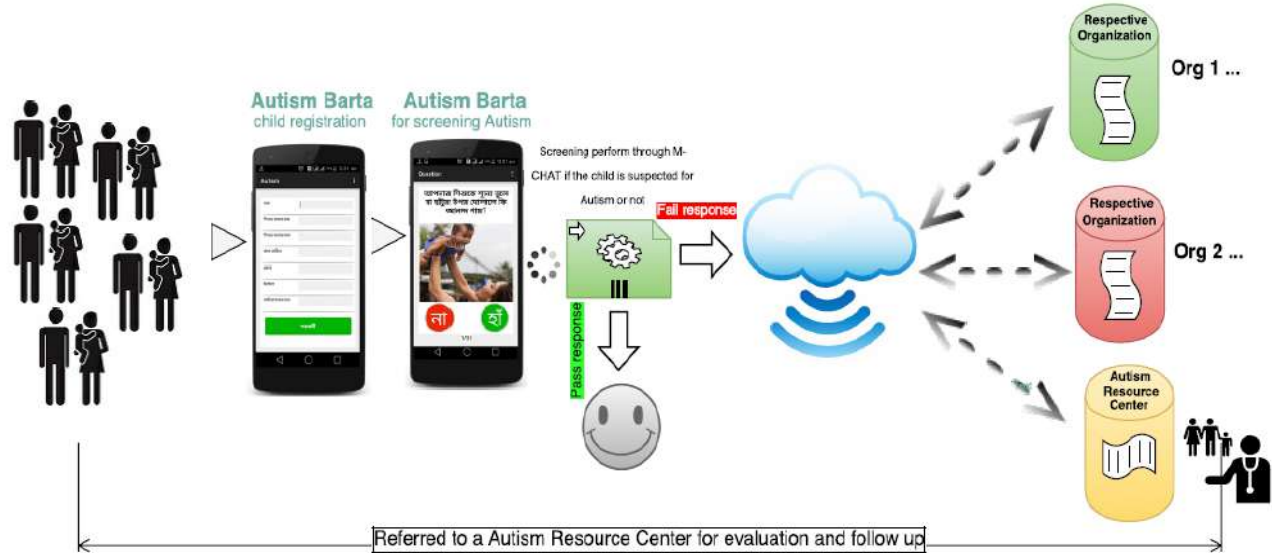
Figure 1. PVDoctor framework with its primary users.



জাতীয় প্রতিবন্ধী উন্নয়ন ফাউন্ডেশন
সমাজকল্যাণ মন্ত্রণালয়



Autism Barta: Automated Autism Screening Tools



INSTITUTE FOR PAEDIATRIC NEURODISORDER & AUTISM (IPNA)
BANGABANDHU SHEIKH MUJIB MEDICAL UNIVERSITY (BSMMU)



Service Delivery

