Public Health Foundation of India (PHFI)
Knowledge | Action | Impact | Equity

Working Towards A Healthier India

Affordable Health Technologies Developed by PHFI: An Overview
MITH.AI
Mass Modular Integrated Transformational Health with Artificial Intelligence
Box Inside & Outside

Temperature controlled storage box (for vaccines etc.) for maintaining 2-8 degrees
Sky Bridge: Last mile delivery of medicines and vaccines
Point of Care Technology: Wi-Fi -enabled integrated Primary healthcare delivery device that works with an android device
Swasthya Sahayak

- Wi-Fi-enabled integrated Primary healthcare delivery device that works with an android device
- Equipped with various applications to provide all the required services and multiple diagnostic tests
- Intended for use by the frontline health workers in resource limited settings to facilitate their job without additionally burdening them
- Conforms to NDHB guidelines
Tests Available on Swasthya Sahayak (SS)

• Blood Pressure
• Body Temperature
• Pulse oximetry
• Urine Protein
• Urine Sugar
• Blood Glucose
• Hemoglobin

• Malaria
• Pregnancy
• Hepatitis B
• Typhoid
• Dengue
• Syphilis
• HIV
How does SS address an unmet need?

- Mere availability of health facilities may not necessarily convert to improved utilization rates
- Poor availability & access leads to high OOP and ultimately poor outcomes
Swasthya Sahayak Pro

- ECG (12 lead)
- HbA1c
- Lipid Profile
- Kidney Function Test
- Urine creatinine, micro albumin
- In addition to all tests in SS Basic

Specifically designed to focus on next level of care
Swasthya Sahayak Deployments

- Impacted, more than 6500 villages
- Provided service to more than 10,00,000 beneficiaries
- More than 1100 happy users
- Conducted 1,50,000 tests
Swashya Sahayak Journey-2014-2021

Completed Projects
- 2016: IIRD
  - Hamirpur, Shimla, Kangra, Mandi, Bilaspur, Chamba, Sirmour, Solan, Lahaul Spiti
- 2018: NIPI
  - Doda, Rajouri, Poonya, Leh, Ramban and Kishtwar

Currently Running
- 2018: MOIT
  - Telangana and Andhra Pradesh
- 2019: MEDREP
  - Nashik
- 2020: GAIL
  - Auriya
- 2020: P&G
  - Sitapur
- 2020: P&G
  - GOA
- 2020: NTFC
  - Singrauli

Completed Projects
- 2020: GAIL
  - Auriya & Farukabad
- 2021: P&G II
  - Goa

Proposal Submitted
- 2020: P&G II
- 2021: P&G II

Completed Projects
- 2021: Upcoming Projects
- 2021: Proposal Submitted
Swashya Sahayak Training
Accolades

Our Solution being presented to Sh. Narendra Modi, Hon. Prime Minister of India at Global Call to Action Meet, 2015

Our Project being launched by Hon Union Minister for Women & Child Development Ms. Smriti Irani & Hon CM Dr. Pramod Sawant in Goa Feb 2020
Digisahayam – An Assisted Telemedicine Solution
**Digisahayam**

Digisahayam is an initiative that aims to improve access to quality healthcare through bridge personnel trained in providing assisted tele-medicine solutions

<table>
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<tr>
<th>Barriers in telemedicine today</th>
<th>Our Solution</th>
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<tr>
<td>Literacy, language or technological barriers among patients</td>
<td>Trained healthcare workers connect, convey findings, facilitate doctor-patient interactions and also prevent wasteful visits</td>
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<tr>
<td>Lack of good clinical history, physical examination findings and laboratory parameters for physicians</td>
<td>Trained healthcare workers collect history, perform physical examination and carry out lab investigations before initiating tele-consultation, thereby saving time and improving quality of care</td>
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<tr>
<td>Multiple innovations – no interoperable system single platform</td>
<td>The PHFI telemedicine platform embeds electronic health records, PoC diagnostics, in-built e-CDSS &amp; numerous state-of-the-art digital health technologies</td>
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Upscaling skills of health workers in providing assisted telemedicine

Improving quality of care through point of care diagnostics and electronic clinical decision support systems

Real time monitoring and feedback mechanisms that assure quality standards

Improving access to primary and tertiary care through trained personnel

Reducing the need of follow up visits to health facilities
Digital Health Technologies

M-Power
Electronic Clinical Decision Support System

Swasthya Sahayak
Point-of-Care Diagnostic Device

Eko Steth
Digital Stethoscope

KardioScreen
FDA approved Cloud-based 6-12 lead portable ECG

Minnray
Paired remotely controlled HD camera
Designated Telemedicine Centre (TMC)

• The TMC is run by a trained nurse and lab-technician that provide assisted telemedicine solutions under the supervision of a project quality assurance officer.

• General physician, specialist as well as super-specialist tele-consultations are made available.
On-foot Telemedicine Assistance

Telemedicine Assistant – for small populations with less than 1000 or 1/1000 population

Backpack will contain:

- Weighing machine
- Tablet
- Swasthya Sahayak
- Measuring Tape
- Kardio Screen
- Digital Stethoscope
Potential Impact

**Bridge the gaps** between **community, technology and digital healthcare** through **trained personnel**

**Continuity of care** and **longitudinal health data** through use of **inbuilt electronic health records**

Create an **innovative model** for **health service delivery** that enhances **sustainability, accessibility & affordability of care**

Reduce **indirect healthcare costs** related to **travel** and **loss of daily wages**
Thank You