



# Foundation of Healthcare Technologies Society

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## SWASTHYA PAHAL REPORT

### 2023

Date: 23/01/2023

Place: Jawahar Camp, Kirti Nagar, Delhi

Time: 11:00 am to 03:00 pm

Number of total beneficiaries: 14

Number of total female beneficiaries: 8

## **SWASTHYA PAHAL (Health for all)**

Swasthya Pahal (Health for all) is an interactive, innovative, technology-enabled, SMAART (Sustainable, Multi-Sectoral, Accessible, Affordable, Reimbursable and Tailored) initiative. It utilizes a touch screen, computer-enabled, SMAART Portable Health Information Kiosk (PHIK) to enhance self-management of non-communicable diseases among individuals at risk of metabolic syndrome (including diabetes, hypertension, high cholesterol and obesity). SMAART PHIK is implemented through a series of health care camps held across urban, urban slums, and rural/tribal settings in India.

### **Objectives**

- To integrate clinical and non-clinical data sources by combining principles of Information and Communication Technology (ICTs) to enhance population health outcomes across diverse geographic settings.
- To utilize the PHIK as a tool to assess the burden of chronic diseases and associated risk factors in diverse settings such as urban, urban slums, and rural/tribal settings in India.

### **Details**

**Date:** 23<sup>rd</sup> January 2023

**Venue:** Jawahar Camp, Kirti Nagar, Delhi

**Start time:** 11:00 AM

**End time:** 03:00 PM

**Number of beneficiaries:** 14

**Team Members:** Gaurav Kumar, Mamta Kushwaha and Sakshi Mandawaria and Sushmi Wilson

**Table 1: Implementation of Swasthya Pahal**

<b>Components of the camp</b>	<b>Details</b>	<b>Material and methods used</b>
Registration	<ul style="list-style-type: none"> <li>Collection of information from the participants such as name, age, phone number and address.</li> </ul>	Receipt booklet
Measurement of height and weight	<ul style="list-style-type: none"> <li>Height and weight were measured using standard procedures and protocols.</li> </ul>	Digital weighing machine, stadiometer
Measurement of blood pressure and sugar	<ul style="list-style-type: none"> <li>Blood pressure and blood sugar were measured using standard procedures and protocols.</li> </ul>	Digital machines for measuring blood pressure and blood sugar, lancet, strips, cotton swabs, spirit
Portable Health Information Kiosk (PHIK)	<ul style="list-style-type: none"> <li>Collection of data from the participants pertaining to their socio-demographic profile, medical history, physical activity and alcohol and smoking consumption pattern.</li> <li>Assessment of risk factors based on the information collected.</li> </ul>	Laptop (touchscreen)
Nutrition counselling	<ul style="list-style-type: none"> <li>Based on the assessment report generated by PHIK, participants were provided individualized diet and nutrition counselling to prevent and manage non-communicable diseases including hypertension, diabetes and overweight and obesity.</li> <li>They were counselled about healthy dietary habits, healthy snacking options, good dietary behaviours, meal patterns and importance of physical activity.</li> </ul>	Personalised nutrition and lifestyle counselling
Photographs	<ul style="list-style-type: none"> <li>Clicking pictures of the event.</li> </ul>	Camera

**Table 2: Health status of beneficiaries screened (n=14)**

<b>Health conditions screened</b>	<b>Number of participants with the condition (n)</b>
Prehypertension/ Hypertension (blood pressure $\geq 120/80$ mmHg)	7
High Random Blood Sugar ( $\geq 140$ mg/dL)	9
Overweight/obese (Body Mass Index $\geq 25$ kg/m <sup>2</sup> )	4
Regular physical activity ( $>4$ times/week)	4

### **Observations**

A total of 14 beneficiaries (8 females and 6 males) attended the Swasthya Pahal camp organised on 23<sup>rd</sup> January 2023 at Jawahar Camp, Kirti Nagar, Delhi. Out of these fourteen beneficiaries, half of them (n=7) had higher blood pressure than normal. More than half of them (n=9) had high random sugar. One-fourth of them were found to be overweight/obese (n=4), and only four beneficiaries were engaged in regular physical activity.

**Number of beneficiaries enrolled in follow up counselling program:** More than half of the beneficiaries (n=8) expressed their interest to receive informative messages for diet and lifestyle management. All of beneficiaries opted to receive messages on a weekly basis.

## Photo Gallery



Picture 1: Blood pressure measurement



Picture 2: Measurement of Blood Sugar



Picture 3: Diet counselling being given to the beneficiary

## List of Abbreviations

S. No.	Abbreviation	
1.	<b>ICT</b>	Information Communication Technology
2.	<b>MetS</b>	Metabolic Syndrome
3.	<b>NCD</b>	Non-Communicable Diseases
4.	<b>PHIK</b>	Portable Health Information Kiosk
5.	<b>SMAART</b>	Sustainable Multisectoral Accessible Affordable Reimbursable Tailored

## Annexure I

<b>Blood Pressure</b>	
<120/80 mmHg	Normal
≥120/80 mmHg	Prehypertension
≥140/90 mmHg	Hypertension
<b>Blood Glucose</b>	
<140 mg/dl	Normal
≥140 mg/dl	High Blood Glucose
<b>BMI</b>	
<18.5	Underweight
18.5 to 24.9	Normal
25 to 29.9	Overweight
≥30	Obese