



Foundation of Healthcare Technologies Society

SWASTHYA PAHAL REPORT

2023

Date: 06/11/2023

Place: Post Office, Badarpur, New Delhi. | Time: 10:30 am to 01:00 pm

Number of total beneficiaries: 29

Number of total female beneficiaries: 1

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: 06th October 2023

Venue: Post Office, Badarpur, New Delhi

Start time: 10:30 AM

End time: 01:00 PM

Number of beneficiaries: 29

Team Members: Dr. Mansi Gauniyal, Shravani Rajkhowa, Sushmi Wilson, Ashok Kumar and Gunjan Sooden.

Table 1: Implementation of Swasthya Pahal

| Components of the camp | Details | Material and methods used |
|--|---|---|
| Registration | <ul style="list-style-type: none"> Collection of information from the participants such as name, age, phone number and address. | Receipt booklet |
| Measurement of height and weight | <ul style="list-style-type: none"> Height and weight were measured using standard procedures and protocols. | Digital weighing machine, stadiometer |
| Measurement of blood pressure and sugar | <ul style="list-style-type: none"> Blood pressure and blood sugar were measured using standard procedures and protocols. | 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"> Collection of data from the participants pertaining to their socio-demographic profile, medical history, physical activity and alcohol and smoking consumption pattern. Assessment of risk factors based on the information collected. | Laptop (touchscreen) |
| Nutrition counselling | <ul style="list-style-type: none"> 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. They were counselled about healthy dietary habits, healthy snacking options, good dietary behaviours, meal patterns and importance of physical activity. | Personalised nutrition and lifestyle counselling |
| Photographs | <ul style="list-style-type: none"> Clicking pictures of the event. | Camera |

Table 2: Health status of beneficiaries screened (n=29)

| Health conditions screened | Number of participants with the condition(n) |
|---|--|
| Prehypertension/ Hypertension (blood pressure $\geq 120/80$ mmHg) | 24 |
| High Random Blood Sugar(≥ 140 mg/dL) | 7 |
| Overweight/obese (Body Mass Index ≥ 25 kg/m ²) | 13 |
| Regular physical activity (>4 times/week) | 14 |

Observations

A total of 29 beneficiaries (24 males and 19 females) attended the Swasthya Pahal camp organised on 06th November 2023 at Post Office Badarpur, New Delhi. Out of these twenty-nine beneficiaries, over three-fourth of them (n=24) had higher blood pressure than normal. More than two-fourth of them were found to be overweight/obese (n=13) and more than two-fourth of them engaged in regular physical activity (n=14). Less than one-fourth of them (n=7) had high random blood sugar.

Additional Comments

- Beneficiaries found the counselling session to be very informative and useful, and many of them got to know about more about their health condition.
- All the beneficiaries found the Swasthya Pahal initiative to be very helpful.

Number of beneficiaries enrolled in SHINE: SMAART Hub for Informatics enabled Nutrition Education (SHINE) Initiative aims to enhance self-management of chronic non-communicable diseases using multilingual digital HEALTH intervention tailored to enhance their knowledge regarding self- management of disease condition(s), diet, physical activity, healthy lifestyle, home-remedies, medication adherence and stress management. Among twenty-nine beneficiaries, all of them except one (n=28) expressed their interest in receiving informative messages for diet and lifestyle management out of which the majority of them (n=28) opted to receive messages every week whereas eight of them opted to receive messages daily.

Details of RISE exhibition: RISE stands for Research, Innovation, Skills, and Entrepreneurship. The RISE initiative aims to empower girls and women from urban slums. Women are trained to develop their natural talent to make them employable and self-reliant, to fit in an office environment with a paid stipend. An exhibition of the products: pouches, round pouches, pencil boxes, and jute bags made by women of the urban slum was organised at the Post Office, Badarpur, New Delhi.

Photo Gallery



Picture 1: Measurement of Blood Pressure



Picture 2: Measurement of Blood Sugar



Picture 3: Diet counselling being given to the beneficiary.



Picture 4: RISE Exhibition and Certificate of Participation



List of Abbreviations

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

Annexure I

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