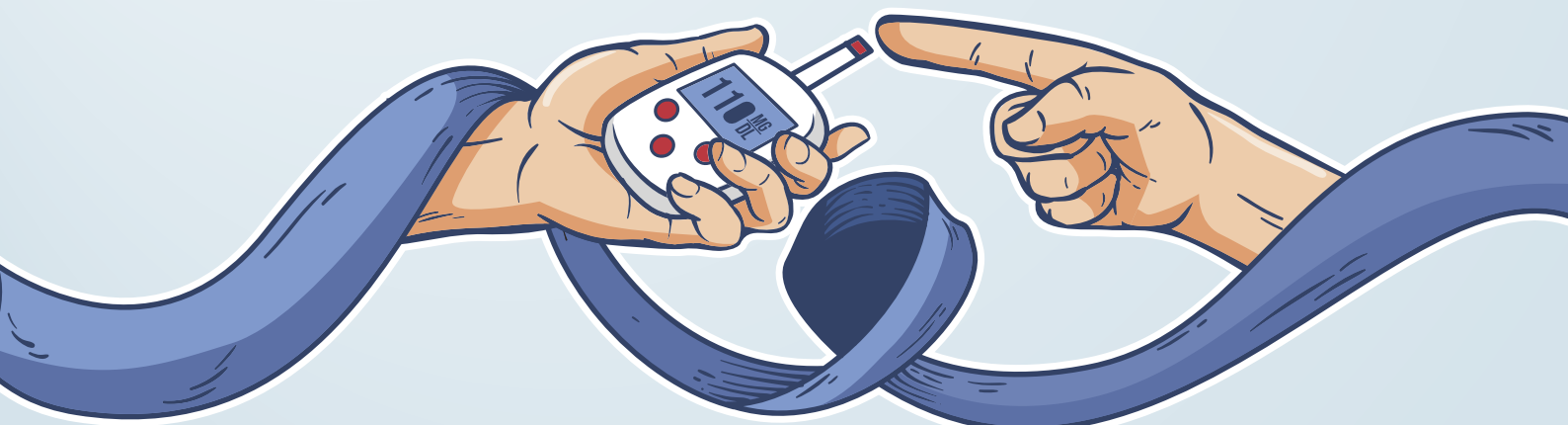


Sanofi's Social Impact Program for Type 1 Diabetes



Annual Report 2021-2022



CONTENTS

Title	Page number
Background	04
Key Achievements	05
Key Activities	06
Eligibility Criteria	06
Progress so far	07
Process followed by the HCOs	08
Meethi Baatein Digital Platform	09
Challenges and lessons learned	09
Annexure	
1. Training to the HCOs on Digital Platform	10
2. Visit to the HCOs	13
3. Case Story	14
References	17

Background

Type 1 Diabetes Mellitus (T1D) is on increase like Type 2 Diabetes, even though not at the same rate, but with a trend of 3–5% per year. The affected children and their families need a lifetime of intensive diabetes education, multiple daily insulin injections, daily blood glucose monitoring, prevention and handling of acute complications, screening for and managing chronic complications, safe disposal of sharps, psychological support, and unabated societal support than discrimination. This is thus a complex, expensive, exhausting disorder for a child and the family to cope with. Until and unless timely and sustained care is supported by a Health Care Provider (HCP) familiar with its management, the quality of life can be abysmal, and even get worse by the frequent chronic complications.

There is no standard procedure for counseling support. There is a clear shortage of standardized support interventions for patients and families, a dearth of trained health professionals, a low level of community awareness, accessibility to life-supporting therapy, and quality of services. Optimal T1D management is resource-intensive, creating a significant barrier to developing world care. The lack of affordable insulin and other essential medical supplies is the most challenging problem, coupled with the dearth of accessible and knowledgeable medical personnel. Other serious issues include the lack of refrigeration for insulin storage, social stigma, gender bias, and patient education.

People to People Health Foundation (PPHF) has collaborated with Sanofi India for its Type 1 diabetes mellitus access to health care program since 2021 Meethi Baatein – which provides best-in-class training and educational tools to (a) Diabetologists, (b) Pediatricians, (c) Diabetes educators, (d) Caregivers and (e) Young people with T1D to create standardized care and a network to support people with T1D across the nation. The program also supports access to treatment for underprivileged Type 1 Diabetes patients. The program has been implemented by PPHF in North, East, and South India, as well as RSSDI and The Diabesties Foundation in West India. Meethi Baatein involves the development of a care and support program to improve the management skills of healthcare professionals and improve the knowledge and practice of patients and caretakers, and address issues related to access to essential supplies for the underprivileged for better management of Type 1 Diabetes.

Objectives

To create a high-impact Type 1 Diabetes care and support program

1. To improve Type 1 Diabetes care and management skills of health teams and
2. To improve patient and caregiver knowledge and practices.

All the above objectives, ultimately, and effectively result in the improvement of the health status (mortality and morbidity) of Type 1 cases and a reduction in the occurrence of chronic complications.

Beneficiaries

Approx 1200 patients with Type 1 Diabetes are to be supported for improved healthcare through medicines and overall management.

Key Achievements

- ◆ In the year 2021, PPHF onboarded 15 HCOs, and in 2022 another 14 HCOs. A total of 29 HCOs are now on board.
- ◆ PPHF along with Sanofi India is supporting 1200 T1DM patients with diabetes treatment products.
- ◆ The digital platform of the Meethi Baatein program is running successfully by the HCOs and PPHF.



Key Activities

Process of program implementation

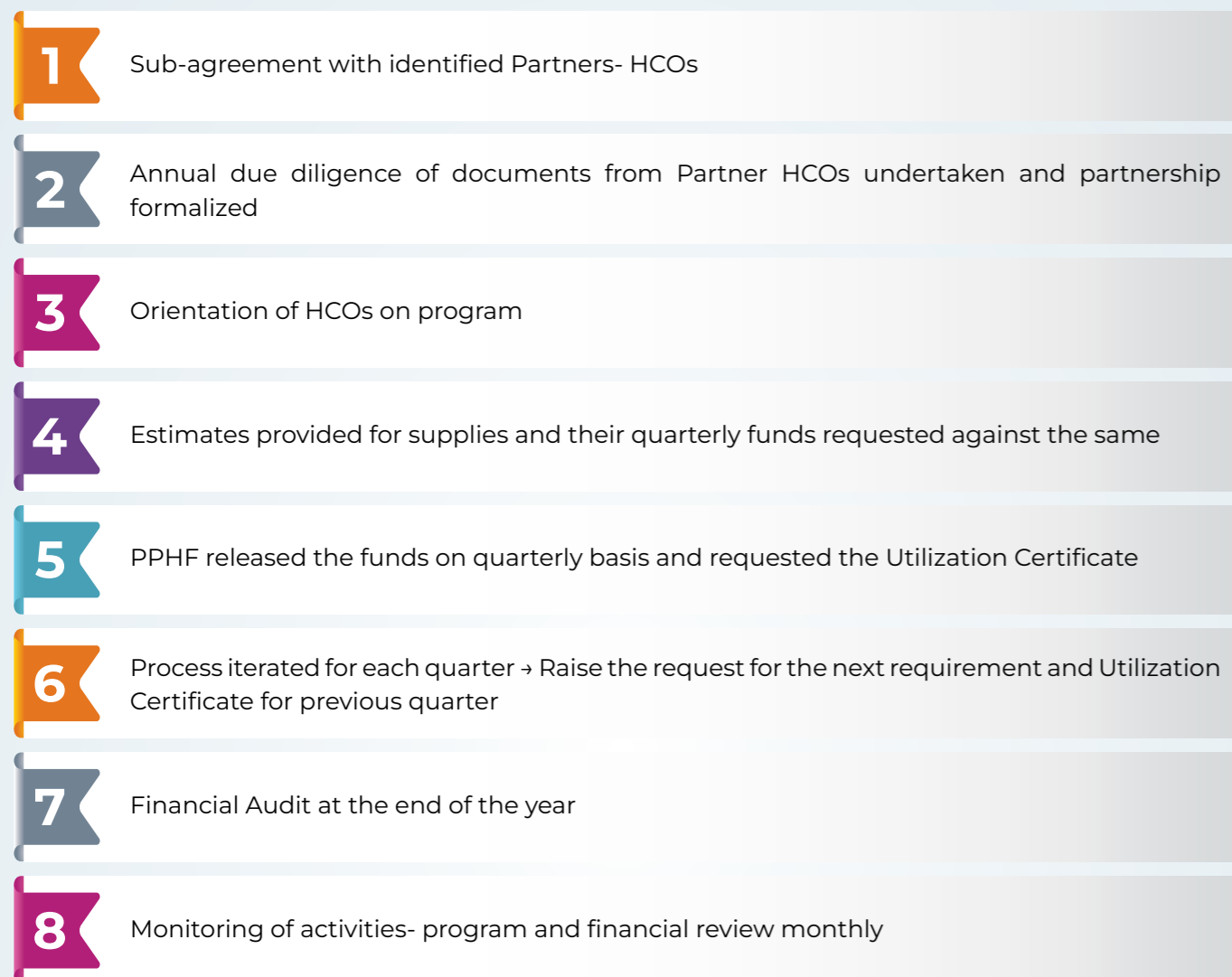


Fig 1: The process of program implementation

Eligibility Criteria

i. Eligibility criteria for HCOs

- Non-Government Organisations (NGOs)/ Government institutions working for Type 1 diabetes patients.
- Nursing homes (both private limited and trust) providing services for Type 1 diabetes.

ii. Eligibility criteria for patients

- Only cases diagnosed with Type-1 diabetes as diagnosed in doctor's prescription.
- Family annual income < Rs 8,00,000.
- Age <25 years.
- Also, to ensure full adherence to the process, 10% of the patients are contacted by PPHF for a feedback session to provide insights on the program quality for improvement on a quarterly basis.

Progress so far

In the second year (Jan 22 to Dec 22) additional healthcare organizations including 7 For-profit, 3 Not-for-profit, and 4 government were enrolled in the program supporting 1200 patients.

Specific program protocols, digital platforms, and processes were maintained.

The Meethi Baatein program has expanded as explained in Table 1

S. No.	State	District	Name of the Organization
1	Haryana	Gurugram	Saksham (Type 1 Diabetics Welfare Society)
2	J&K	Jammu	Govt. medical college, Jammu
3	Delhi	New Delhi	Diabetes Fighters
4	Punjab	Amritsar	R S Medicare Private Limited
5		Jalandhar	Future Foundation
6		Bathinda	AIIMS, Bathinda
7		Bathinda	C-DOT FORUM - Care for Diabetes Obesity & Thyroid
8	Uttar Pradesh	Kanpur	GROW society for T1D
9	Chandigarh	Chandigarh	Association for Children with Type 1 Diabetes
10	Delhi	Delhi	Yog Dhyam Foundation
11	Uttar Pradesh	Kanpur	Society for Prevention and Awareness Diabetes
12		Lucknow	Pediatric and Adolescent Diabetes Thyroid and Hormonal Support Society
13	Odisha	Cuttack	New Association for Volunteer action
14		Bhubaneswar	Endeavour foundation and trust
15			Dr. Kanungo's Diabetes Centre
16	West Bengal	Kolkata	Diabetes Awareness & You
17		Siliguri	Rudraksh Superspeciality Care Private Limited
18	Telangana	Hyderabad	Osmania Medical College & Osmania General Hospital, Hyderabad
19	Kerala	Malapuram	Endodiab Perinthalmanna Charitable Society
20	Tamil Nadu	Trichy	Dr. M. Sundaram Hospital PVT. LTD
21		Chennai	M.V. Hospital for Diabetes P.Ltd
22			Dr. Mehta's Medical Trust
23		Coimbatore	Idhayangal Charitable Trust
24		Madurai	Madurai Dreams Foundation
25	Karnataka	Bangalore	Primer Academy of Medical Sciences
26			Karnataka Institute of Endocrinology and Research
27	Kerala	Trivendrum	Jothydev's Diabetes and Research Centre
28	Telangana	Hyderabad	Diabetes Research Society
29	Andhra Pradesh	Vishakapatnam	Diabetic Child Society

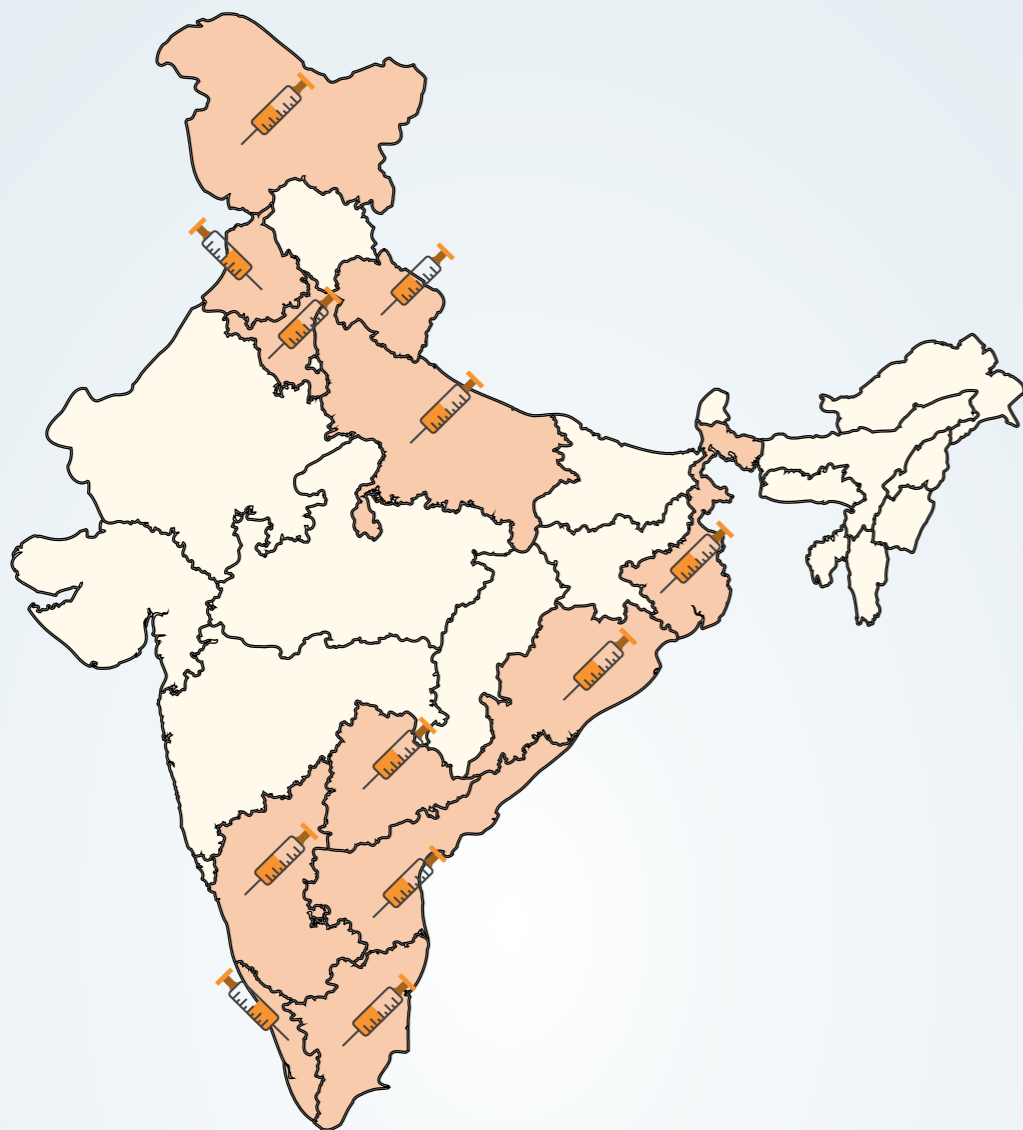


Fig. 2 Meethi Baatein Program: location of the health care organizations (indicated by syringe symbols)

Process followed by the HCOs

- Finalization of the list of eligible patients and collection of the supporting documents for the same.
- The quantity of insulin, syringes, glucose strips, and lancets are provided to the relevant patient as per the prescription (prescriptions were submitted to PPHF and a backup copy was retained for audit purposes).
- Signed acknowledgment receipts (formats provided by PPHF) by the relevant patient or his/her caregiver were submitted monthly or quarterly. In the case of uneducated patients and caregivers, a thumb impression was taken instead of a signature.
- Evidence and documentation for the procurement process and purchase of the treatment products by the HCO were maintained and submitted quarterly along with the Utilization Certificate.
- HCOs did not offer direct payment or reimbursements to the patients. Only products purchased by them were donated to the patients.

Meethi Baatein Digital Platform

The Digital platform is functioning well, aiding the HCOs in uploading the documents and patients' details. It also helps in easing the process of documentation and management of the program. PPHF maintains its confidentiality and shares only with proper written consent.

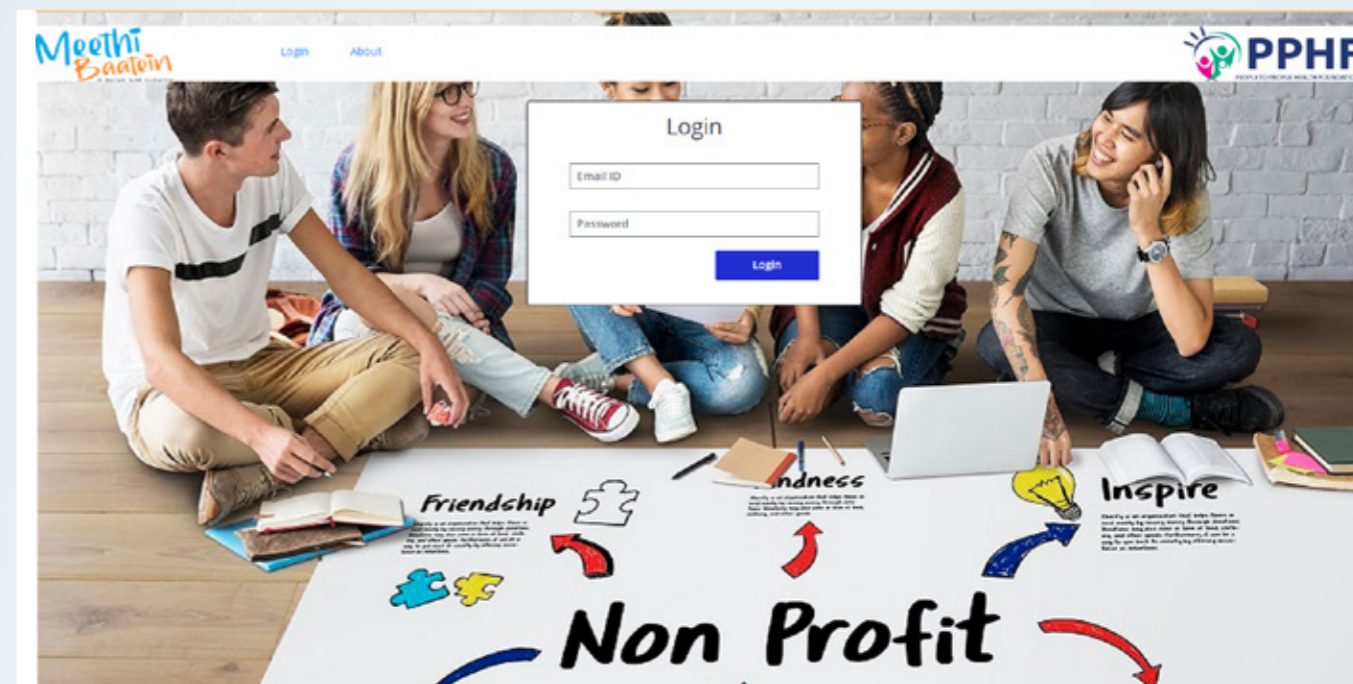


Fig 3: The Meethi Baatein Digital Platform

Challenges and lessons learned

CHALLENGES	LESSON LEARNED
Delay in due diligence documents, and quarterly documents from HCOs.	This was overcome by multiple follow-up calls to the doctors and assigned personnel of the HCOs. We assisted them with distribution and documentation in every possible way.
Delay in the submission of patient documents, especially income certificates.	During the process, we learned that some of the patients do not have income certificates. They were asked to contact the Gazetted Officer and have a written statement of their income.
Delay in procuring treatment products by some of the patients due to the long distance from the HCOs.	As some of the patients live far from the HCOs, the assigned person of the HCOs couriered the treatment products to patients to continue their treatment.

Table 2: Challenges faced in the program and the lesson learned.

Annexure

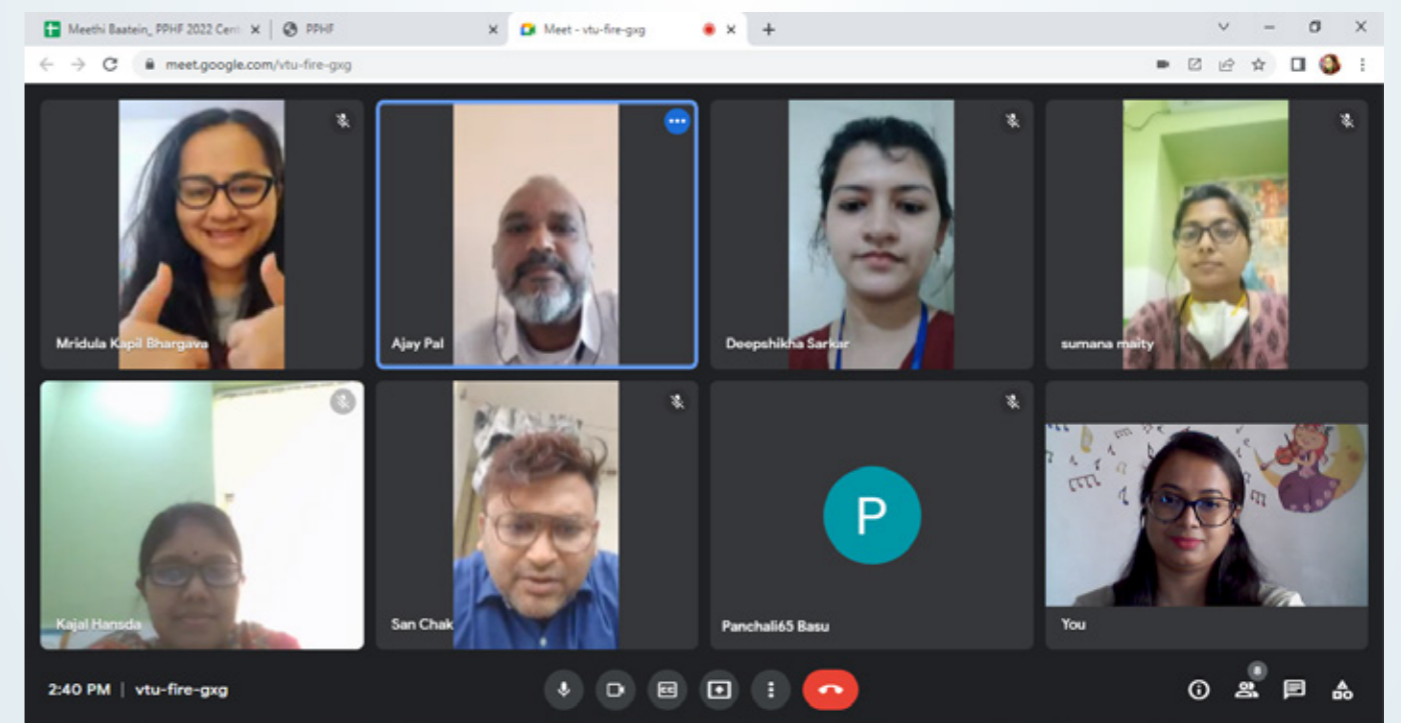
1. Training to the HCOs on Digital Platform

The Regional Officers of PPHF trained the HCOs on the digital platform for ease of documentation and other processes. The HCOs trained on the digital platform are listed in Table 3.

Training of Existing HCOs				
S. No.	Name of the Trainer	Name of the organization	Date & Day of Orientation	No. of Participation
1	Krittika Banerjee	Diabetes Awareness & You	29-03-2022, Tuesday	2
2	Krittika Banerjee	Rudraksh Superspeciality Care Private Limited	29-03-2022, Tuesday	2
3	Krittika Banerjee	Dr. Kanungo's Diabetes Centre	14-09-2022, Wednesday	1
4	Krittika Banerjee	Association for Children with Type 1 Diabetes	29-03-2022, Tuesday	1
5	Krittika Banerjee	Yog Dhyan Foundation	31-03-2022, Thursday	2
6	Krittika Banerjee	Society for Prevention and Awareness Diabetes	30-03-2022, Wednesday	2
7	Krittika Banerjee	Pediatric and Adolescent Diabetes Thyroid and Hormonal Support Society	30-03-2022, Wednesday	1
8	Ajay Pal	M.V. Hospital for Diabetes P.Ltd	06-04-2022, Wednesday	1
9	Ajay Pal	Dr. Mehta's Medical Trust	29-03-2022, Tuesday	1
10	Ajay Pal	Idhayangal Charitable Trust	08-04-2022, Friday	1
11	Ajay Pal	Madurai Dreams Foundation	07-04-2022, Thursday	1
12	Ajay Pal	PRIMER Academy of Medical Sciences	05-04-2022, Tuesday	2
13	Ajay Pal	Jothydev's Diabetes and Research Centre	28-03-2022, Monday	2
14	Ajay Pal	Diabetes Research Society	28-03-2022, Monday	3
15	Ajay Pal	Diabetic Child Society	01-04-2022, Friday	1

Training of New HCOs				
S. No.	Name of the Trainer	Name of the organization	Date & Day of Orientation	No. of Participation
1	Krittika Banerjee	Endeavour Foundation & Trust	15-09-2022, Thursday	1
2	Krittika Banerjee	Association for Voluntary Action	03-06-2022, Friday	2
3	Krittika Banerjee	Saksham	06-06-2022, Monday	1
4	Krittika Banerjee	Govt. Medical Collage	19-09-2022, Monday	1
5	Krittika Banerjee	R.S. MEDICARE PRIVATE LIMITED	15-09-2022, Thursday	1
6	Krittika Banerjee	Future Foundation	16-09-2022, Friday	1

Table 3: HCOs trained on Digital Platform



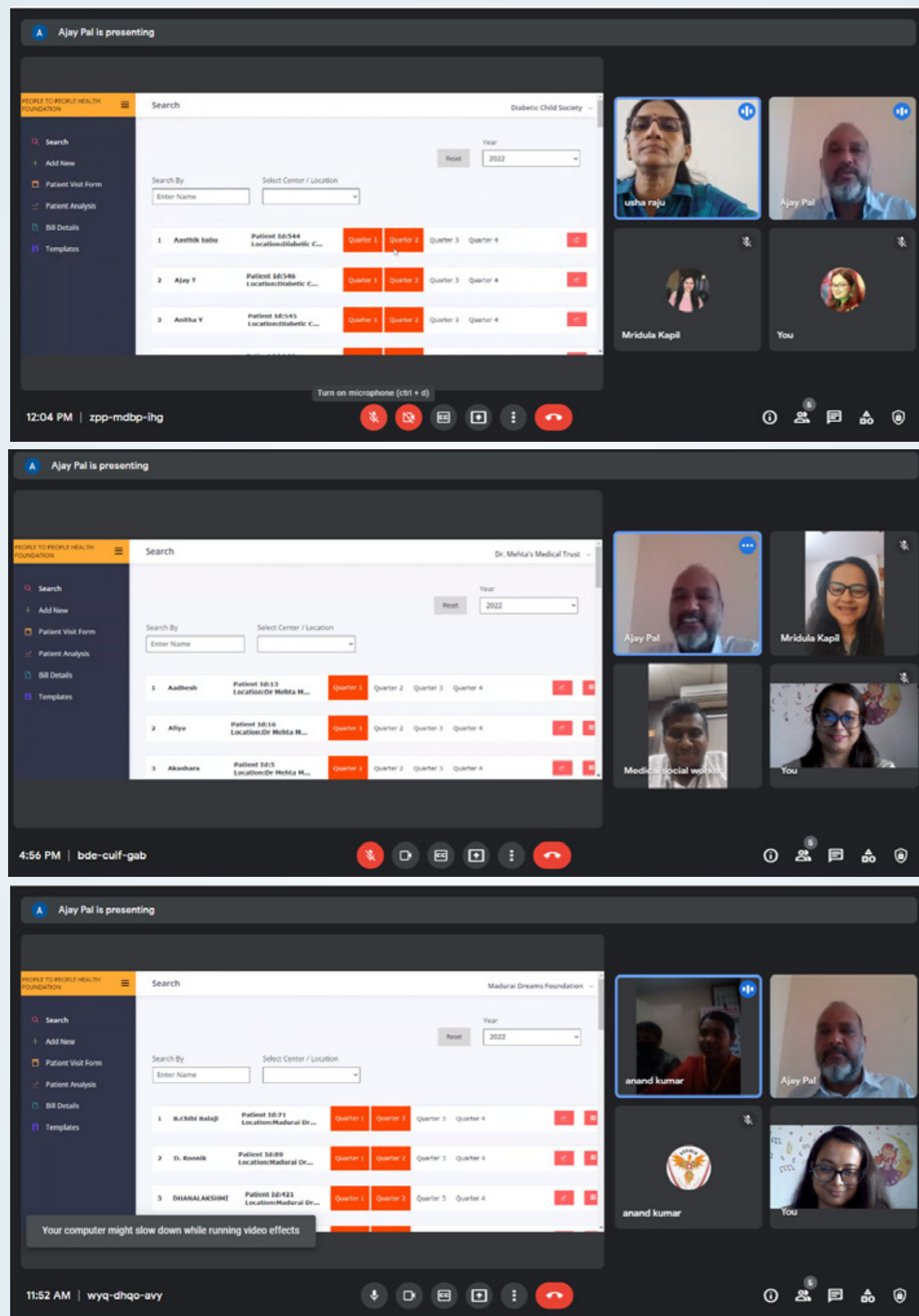


Fig 4: Training session for HCO

2. Visit to the HCOs

Meethi Baatein team members made 19 visits in the year 2022 to the HCOs across the North, East, and South regions of India. The states visited included were Odisha, West Bengal, Chandigarh, Punjab, Karnataka, Tamil Nadu, and Kerala

Purpose of the visits:

- Discuss the program with the doctor and resolve any existing problems (if they have any).

- Interaction with the doctor to know about changes identified in the patients and the impact of the program.
- Interaction with the patients and parents or caregivers to know about the impact of the program on their lives.
- Capture case studies of the patients, testimonials, and to have an overall view of the program's functioning.

Sl. No:	Name of HCO	Doctor	Date of visit
1	Diabetes Awareness & You	Dr. Taher Hossain	29th August 2022
2	Rudraksh Superspeciality Care Private Limited	Dr. Arundhati Dasgupta	25th August 2022
3	Dr. Kanungo's Diabetes Centre	Dr. Alok Kanungo	25th July 2022
4	Endeavour foundation & Trust	Dr. Sambit Das	25th July 2022
5	Association for Voluntary Action	Dr. Jayshree Swain	26th July 2022
6	Association for Children with Type 1 Diabetes	Dr. Rakesh Kumar	5th December 2022
7	Yog Dhyam Foundation	Dr. Anju Virmani	14th November 2022
8	Pediatric and Adolescent Diabetes Thyroid and Hormonal Support Society	Dr. Manish Gutch	12th November 2022
9	Saksham	Dr. Beena Bansal	15th November 2022
10	Grow Society	Dr. Anurag Bajpai	13th November 2022
11	Future Foundation	Dr. Saurabh Uppal	8th December 2022
12	AIIMS, Bathinda	Dr. Shivani Sidana	7th December 2022
13	Idhayangal Charitable Trust	Dr. Krishnan Swaminathan	4th November 2022
14	Madurai Dreams Foundation	Dr. Anand Kumar Annamalai	2nd November 2022
15	Dr M Sundram Hospital Private Limited	Dr. Vivek Sundaram	3rd November 2022
16	Endodiab Perinthalmanna Charitable Society	Dr. Anish Ahamed	5th November 2022
17	Jothydev's Diabetes and Research Centre	Dr. Jothydev	9th November 2022
18	Karnataka Institute of Endocrinology & Research, Bangaluru	Dr. Santhosh OS	16th August 2022
19	Primer Academy of Medical Sciences	Dr. K.M. Prasanna Kumar	16th August 2022

Table 4: HCOs visited in the year 2022 by Meethi Baatein Team

3. Case Story

Determination over Diabetes

In August 2022, PPHF Team visited Diabetes Awareness & You center (Kolkata, West Bengal) for a routine visit under Meethi Baatein Program and met Deepinder Kaur, a 7-year-old Type-1 diabetic patient, resident of Baguiati, West Bengal. Her mother shared how they discovered her health condition 3 years ago when Deepinder was playing with her friends and suddenly she fell. Her mother thought that she would have hurt herself and fainted, but when she remained unconscious for quite some time, she took her to the hospital. Doctors ran a few clinical tests and revealed that Deepinder had high blood sugar and the reason for her senselessness was Diabetic ketoacidosis (DKA). This left the family shattered as she is the little one in the family.

Deepinder does not belong to a wealthy financial background. Her family lives from hand to mouth on what they earn. So, when they learned that Diabetes Awareness & You is working in collaboration with PPHF and Sanofi India to provide underprivileged children with Insulin, Glucometer strips, Lancets, and Syringes at zero cost under Meethi Baatein Program, their prayers were answered. Before enrolling in this program, Deepinder had lost senses a number of times due to hypoglycemia, which made it difficult for her mother to understand the situation and support her child during these phases.

Now, she is doing a lot better. She has been taking insulin regularly and her mother is now trained enough to monitor and take care of Deepinder. Since Deepinder has been able to receive insulin on a timely basis, hypoglycemia episodes have been reduced and her sugar levels are always in control. As a 7-year-old, Deepinder might not know what she is dealing with but the energy she radiates proves will not let anything else surpass her. Her mother shared, ***"She has been an energetic child since the beginning. She loves to dance and play, and as her mother, I am determined not to let diabetes come in way of her life or dreams!"***

The Family of Survivors!

Nimrat, a girl from a small village in Jalandhar, Punjab, could never imagine how suddenly her life would change completely. Her father died of TB, and Her mother is battling cancer. There's no one to support the mother-daughter financially. It is difficult to survive and meet daily expenses. And now Nimrat's diabetes is another serious concern. She was diagnosed with Type 1 Diabetes Mellitus at the age of 04.

"I still remember that day. The day she fell ill, the entire week we were at the hospital. The doctor informed me about Nimrat's condition and since then she is on insulin", teary-eyed Monika (Nimrat's mother) recalls the time when Nimrat was diagnosed with Diabetes.

About a year ago, Nimrat had high fever, and she got tested for TB, Malaria, etc. But nothing came out. Doctors subsequently gave her high doses of medicines, and she remained unconscious for the entire day. The following day, she again fainted because of excessive fluid in her stomach. Her mother rushed Nimrat to the hospital where she was diagnosed with Type 1 Diabetes and her levels came out to be 650 mg/dL.

She further continued, ***"Nimrat's condition was critical. She used to pass out several times due to hyperglycemia. She often missed her medicines and Insulin as I was not able to afford them."***

Through one of our acquaintances, we came to know about Future Foundation (Jalandhar, Punjab) where Sanofi India and PPHF are running a program for children affected by Type 1 Diabetes belonging to underprivileged communities. This came as a ray of hope for me.

Ever since we enrolled in the program, Nimrat's health and life have improved. We have been receiving Insulin, Lancets, Glucometer strips, and Syringes without any cost every month under the Meethi Baatein Program. Regular intake of insulin and checking her sugar levels has significantly reduced hyperglycemic episodes.

While showing Nimrat's fingers, her mother shared, ***"It hurts to prick her little fingers with a needle every day, but my daughter is a born survivor. I will do anything and everything at hand to ensure her life is not affected by Diabetes."***



Naman, living the celebrity lifestyle!

In 2009, at the age of 02 years, Naman was diagnosed with Type 1 Diabetes Mellitus (T1DM) and for the last 13 years, he has been managing and fighting the disease with a smile on his face!

Naman has been enrolled in Meethi Baatein Program through Yog Dhyan Foundation (Delhi). Through Sanofi India's and PPHF's support, he has been receiving Insulin, Lancets, Glucometer strips, and Syringes without any cost for two years now.

When asked about his experience of dealing with diabetes, Naman shared, ***"I have been managing it since the time I learned and understood diabetes and its management. I believe all T1DM patients are leading a celebrity lifestyle, having fixed routines and disciplined life. My family and community have been very supportive, and I have never considered it a hindrance in achieving my dreams. Be active, eat right & give diabetes a tough fight."***

Naman is not only great at studies but also actively participates in extracurricular activities including sports. In the IX standard, he ranked 2nd in his class, secured first position in a painting competition among 500 participants, and received a gold medal in a rope skipping competition.

Naman and his family are thankful to the Meethi Baatein program from which he is getting the costly treatment products and helps his family to invest that amount in his studies and for a better future. Naman's optimistic and sporting attitude is commendable. He is not only pursuing his dreams but also giving enthusiasm and mental strength to those who are dealing with Type 1 Diabetes.



Figure 5 : Visit to Kanungo's Diabetes Centre, Dr. Alok



Figure 6 : Visit to Rudraksh Superspeciality Care Private Limited, Dr. Arundhati Dasgupta



Figure 7: Visit to Association for Children with Type-1 Diabetes, Dr. Rakesh



Figure 8: Visit to Future Foundation, Dr. Saurabh Uppal

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About People to People Health Foundation (PPHF)

We are a global health non-profit organization working towards transforming lives for improved health and wellbeing through locally-driven solutions. We have worked in more than 20 states of India with an aim to build the skills of health care providers, strengthen management capacity and help create sustainable systems to improve access to quality health services.

We work closely with communities and key actors on sustainable solutions for public health challenges:

1. Non-Communicable Diseases
2. Women, Adolescent and Child health
3. Nutrition
4. Infectious diseases
5. Environmental Health
6. Emergency Health and Disaster Response

We focus on building public health capacity and community actions for better health outcomes. We work collaboratively with stakeholders, leveraging partnerships and influencing policies and practices. Drawing on our experiences and recognizing the unique needs of each region in India, We work in partnership with key stakeholders to design and deliver targeted responses.

Contributor

People To People Health Foundation

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Contact us

People to People Health Foundation

K-40, Third floor, Jangpura Extension, New Delhi 110014

Phone: 011-35121441 | Mobile: +91 98719 50708

E-mail: connect@pphfglobal.org

Web.: www.pphfglobal.org

