



REPORT ON 22nd NQAS EXTERNAL ASSESSORS TRAINING

22nd to 27th of August 2022

National Health Systems Resource Centre

**Ministry of Health & Family Welfare
Government of India
New Delhi**

Table of Content		
Section	Content	Page No
I	Introduction	3
II	Aims and Objectives	4
III	Preparation	5
IV	Methodology	6
V	Pre-Training Evaluation	6
VI	Inaugural & Welcome Address	6
VII	Presentation briefings	7-20
VIII	Evaluation	21
IX	Valedictory	21
Annexure I	Training Agenda	22-29
Annexure II	List of Participants	30-31
Annexure III	Distribution of Participants based on Gender and Geography	32-34
Annexure IV	Feedback & Suggestions by Participants	35-36
Annexure V	Scoring of Participants	37-39
Annexure VI	List of qualified Participants	40

INTRODUCTION

National Quality Assurance Program has been rolled out in all States/ UT's. NQAS is a systemic approach with well-established institutional framework from facility to national level. National Quality Standards are available for all level of health facilities from District Hospital to Sub-centre level. NQAS are accredited by the International Society for Quality in Healthcare (ISQuA). Other programs like Kayakalp, LaQshya, SSS initiatives are an integral part of NQAS. There is an inbuilt system of Quality certification at state and national level of health facilities those exhibiting compliance to the NQAS norms and sustaining also.

For ensuring the child friendly services in public health facilities, Ministry of health and family welfare has launched “MusQan” on 17th September 2021, for a pediatric age group of (0-12) years under the existing NQAS framework. Under this initiative 4 departments at DH level (Paeds OPD, Paeds ward, SNCU and NRC), 3 departments (except NRC) at SDH level and 2 departments at CHC FRU level (except Paed Ward and NRC) will be assessed in public health facilities. To under the national level assessments for MusQan a 22nd batch of external assessor's pediatrician training was organized by NHSRC on 22nd – 27th August 2022. The workshop was held at NHSRC Theatre, First Floor, National Health Systems Resource Centre, New Delhi.

A five-and-a-half-day external assessor training was designed with a view to enable the trainees for assessment of the healthcare facilities against the pre-defined checklists contained in the Assessor guide-books. This report, therefore, provides the information about how the five and a half days workshop was conducted, lessons learnt and the way forward for improving the Quality in public health facilities in India. (Agenda attached as Annexure I).

A total of 49 participants attended the training (List is attached as Annexure II) out of which 36 were nominated by State Government and other 13 were non-Government participants. Training was participatory in nature. All the participants were divided in seven groups based on gender ratio, geographical areas, and organization capacities to maintain the equilibrium in the groups. (List is attached as Annexure III).

The sessions during the training were divided into five days and followed by post training evaluation on last day. Each day is divided in to two parts sessions followed by exercises. Sessions describes about all Areas of Concern, Standards, Measurable Elements, Check points and as mentioned in the Assessors Guidebooks of NQAS. Exercises in the training led to healthy brainstorming of the participants and made the concepts clear and understandable. At the end of each day, feedback is collected from the participants on the sessions conducted (List attached as Annexure -IV). Also, each group is scored based on their performance in the exercises on each day (List attached as Annexure -V). On fifth day all the participants were divided into twelve groups and all the participants visited three district hospitals of Delhi state. Lastly, on day 6th a written post evaluation exam was undertaken at the end of the training as per the schedule, the participants who have scored 70% and above marks are empaneled as external assessor. Total 50 participants appeared in post training evaluation exam (1 re-appeared). List of pass candidates is attached as Annexure - VI. Feedback of accommodation at hotel was also taken from the participants.

Overall feedback of the training is 4.47 out of the 5 (scoring on likert scale of 5).

AIMS AND OBJECTIVES OF TRAINING

The aim of the training was to strengthen the knowledge, skills and assessment capacities on of the participants to assesses the public health facilities under NQAS. The specific objectives are as follows:

1. To create a pool of pediatrician as Qualified assessors for undertaking national level Quality assessments under NQAS.
2. To equip participants with knowledge of key concepts of Quality, Quality tools and methodologies for Quality improvement.
3. To enhance the skills of participants to conduct objective assessment of healthcare facilities against predefined standards.

PREPARATION

The QPS division of NHSRC prepared the course curriculum. A field visit was also organized in three (03) District level health facilities in Delhi which gave the participants a platform to conduct assessments. In addition to this, all the participants were given many exercises, thereby making the training more participatory.

List of facilities visited during field visit:

Group	District	Name of Health Facility	Address
1 to 4	West Delhi	Rao Tula Ram Memorial Hospital	Jaffar pur South West Delhi - 110073
5 to 8	North Delhi	Dr Baba Saheb Ambedkar Hospital	Bhagwan Mahavir Marg, Sector 6, Rohini, North, Delhi- 110085
9 to 12	South-West	Bhagwan Mahavir Hospital	Sector 14 Extn, Near Chowk Rohini Delhi-

The following materials were distributed:

- a) A bag with required stationary items like writing pad, pen, pencil, sharpener, eraser & sticky paper flags.
- b) National Quality Assurance Standards for Public Health Facilities (2020)
- c) Operational Guidelines for Improving Quality Assurance in Public Healthcare Facilities (2021)
- d) Assessors Guidebook for Quality Assurance in District Hospital Volume I
- e) Assessors Guidebook for Quality Assurance in District Hospital Volume II
- f) Assessors Guidebook for Quality Assurance in CHC
- g) Assessors Guidebook for Quality Assurance in PHC
- h) Quality Standards for Urban Primary Health Centre.
- i) Assessor's Guidebook for Health & Wellness Centre (Sub-Centre)
- j) LaQshya Guideline
- k) MusQan Guideline
- l) Kayakalp Guideline

METHODOLOGY

A mix of methods were used for the 22nd NQAS External Assessors' Training Workshop. They are as follows-

- a) Power point presentations
- b) Brainstorming sessions
- c) Case studies
- d) Group work and Group Presentation
- e) Questions and Answers
- f) Practical Experiences from Field Visit

PRE-TRAINING EVALUATION

At the onset of NQAS External Assessors' Training, the pre-evaluation examination has been conducted for all the participants, consisting of 20 multiple choice questions. All 49 participants have appeared in the examination.

INAUGURAL SESSION

The External Assessor Training started by Welcome address and introduction by Dr J N Srivastava, Advisor, QPS, NHSRC followed by welcome address by Guest of Honor, Maj Gen (Prof) Atul Kotwal, ED, NHSRC.

Maj Gen (Prof) Atul Kotwal, ED NHSRC briefed the participants on the National Quality Assurance Programme and its importance for public health facilities. He conveyed that these 5.5 days of training would be an enriching experience for all. After that, all the participants introduced themselves and shared what they understood of the term quality and what are their expectations out of this training. Technical sessions started after inaugural session of the training.



PRESENTATION BRIEFINGS

DAY 1- 22nd August' 2022

Session 1: - Quality in Public Health System: An overview

The First Session of the Day 1 was on the “**Quality in Public Health System in India**”.

The session was delivered by Dr. J N Srivastava. He started with the requirement expected with the participants in the training as well as the appeal process in the system to make the training successful.



Dr. Srivastava told about the Public Health System in India way back from Bhore Committee recommendations and growth of health sector in India after Alma Ata declaration. Then he told the participants about primary health care way back in nineties. He further explained National Health Mission, its structure, 5 key pillars and their implications.

Dr. Srivastava laid emphasis about the high mortality due to low quality of health system and the need to improve the health system through the implementation of NQAS standards. He talked about the journey of Quality and explained the historic perspective of accreditation process. He also explained that NQAS is based on the Donabedian Model and Quality standards are available for DH, CHC, PHC, UPHC, H&WC (SC) to improve the Quality of Care at health facilities. NQAS have attained national (NHA& IRDA) and international accreditation (ISQua). He explained the participants about the possible role as trained NQAS assessors and touched upon the Kayakalp Initiative.

Session 2: - An Introduction to National Quality Assurance Standards

The second session was taken by Dr. Deepika Sharma on Introduction to National Quality Assurance Standards. She gave an overview of the National Quality Assurance Standards, how they are arranged, scope of different area of concern, intent of various standards and how the standards are arranged in various level of Health Care Facilities. She briefed the participants about the books to use as a guide for reference. She gave the comparative overview of the standards which are applicable at different level of Health Care Facilities.



Session 3: Measurement Systems under National Quality Assurance Standards

Ms. Vinny Arora took the third session on Quality Measurement System & assessment protocols. The learning objectives of his session was to understand the architecture, the layout & design of different components of NQAS, comprehend area of concern, standards, measurable elements and checkpoints, identify & understand different methods of assessment, complete clarity/ understanding of scoring rules and get acquainted with assessment protocol.



She talked about the characteristics of the NQAS programme and explained how it is an implicit tool. She made the participants understand the anatomy of the checklist & explained about the area of concern, standard and measurable element, checkpoints and scorecard. She talked about the compliance as well as scoring rules. She gave an overview of the nineteen checklists at DH level.

Session 4 : - Brief and Objectives of the exercise

Dr. Deepika Sharma gave brief introduction about the exercises, and guide the participants about the intent of conduct of the exercises regarding Area of Concern & Measurement system. Participants were divided in six groups for the exercises.

Exercises were monitored by 7 moderators of the QPS division. For this activity, participants were asked to give answers in the Day 1 workbook on the basis of sessions conducted, the respective moderators supported their groups in the activity.



DAY 2- 23rd August' 2022

The 2nd day training started with recap of the last day sessions by Dr. Chinmayee Swain.

Session 1 : - Area of concern A- Service Provision

The first session of Day 2 was taken by Dr. Deepika Sharma. She explained how to assess the facility as per the six standards under area of concern A and gave a comparative overview of the Service provision in different types of Health Care facilities. She explained about checking the availability of services as per the scope of facilities. She covered Standard A1 to A6 those comprises of Curative Services, RMNCH+A, Diagnostics, National Health Programs, Support Services and Services as per local needs. She briefed the participants that merely by saying services are available does not ensure the service availability, rather available services should be delivered to the end user to get compliance in this section.

Session 2 : - Area of concern B- Patients' Rights

The second session was taken by Dr. Abhay Dahiya. He talked about the patient Rights and their responsibilities fundamental patient rights. He briefed about the six standards those encompass: -Availability of Drugs, Diagnostics, Doctors and Devices, Accessibility in terms of physical access, financial access, information and non-discrimination, Acceptability in terms of privacy, cleanliness, gender equity and courteous behavior and Quality in terms of clinical protocols, clinical records, infection control and outcome of care. Also provision of no financial barrier to the services and ethical issues are also a part of this Area of Concern.



Session 3 :Area of concern C- Inputs

The third session was taken up by Ms. Vinny Arora. Area of concern C covers the structure part as per Donabedian model and is the only Area of concern that details about the structure component in Health facilities under NQAS. This Area of Concern covers Infrastructure and Space requirements, ensure Physical Safety in facility, Fire Safety systems, availability of skilled Human Resource, availability of Drugs and Consumables as well as equipment and instruments and, yearly assessment of staff competence.



Session 4 & 5 : Quality initiatives under Child Health: MusQan & Area of Concern E - Specific Clinical Services (E19 – E20)

Dr. Renu Srivastava took over this session started the presentation by explaining Quality initiatives under Child Health under MusQan. She explained the Continuum of new born care. She briefed about required structural changes for effective qualitative transformation to achieve standard benchmarks for delivering skilled evidence based newborn and pediatric services in a humane and supportive environment. She also laid examples that how to transform a facility into a child friendly facility. Explained key strategies and also proposed actions for implementing key strategies. She discussed the roles and responsibilities of health workers at different levels of public health facilities. She covered Measurement system for MusQan, requirements under all Areas of concern under MusQan, Checklist of documents for verification of NQAS, Compliance & Scoring as well as Key Performance Indicators (KPIs) & target.



and

&

Session 6 : - Exercises & discussion with moderator : Area of Concern (A, B, C & D)

After the brief discussion on the intent of Aoc A-D; exercises were supported and guided by the moderators. Participants were asked to give answers based on discussions during the sessions. Slides were shown to the participants one by one for Area of Concern D. All the groups were given scores for their responses.



DAY 3- 24th August' 2022

The 3rd day training started with recap of the last day sessions by Dr. Neeraj Gautam.

Session 1 : - Area of Concern G (G1-G7)

Dr. Deepika Sharma explained about the Quality management in a facility and how a facility can improve their process and achieve the Quality improvement. She briefed to identify the problems and using Quality tools how can the Quality teams achieve the target of providing the quality services to the population near the health care facility.



Presentation made it clear how employee satisfaction and patient satisfaction can play important role in quality improvement of a facility. Having Quality checks in the laboratory can improve the quality of diagnosis, having written and implemented procedures, records & formats, work instructions can give the wide spectrum to the employees to improve their knowledge and skills. Using the Quality tools to identify and solve the problems, conducting various audits with their analysis, preparing a strategic plan to achieve the mission and vision of the facility were also briefed during her session.

Session 2 : - Area of Concern E: General Clinical Services under NQAS (E1 – E9)

Dr. Arpita Agarwal took talked about general clinical services in which she discussed standards E1 to E9. Standard to E9 covers the registration to discharge process. Standard E1 covers Registration, consultation & admission, standard E2 covers Clinical assessment & reassessment, standard covers continuity of care and referral, standard E4 covers Nursing car, standard E5 covers management of high risk & vulnerable patients, standards E6 covers implementation of STGs & generic drugs practices, standard E7 covers safe drug administration, standard E8 covers maintaining, updating, storage of records and standard E8 covers discharge of patient.



the

E1

E3

Session 3: - Area of Concern E – Specific Clinical Services under NQAS (E10-E16)

The session was delivered by Dr. J N Srivastava. He talked about the general clinical services in which he discussed standards – E 16. He elaborated on departmental Quality Standards on defined and established procedures for intensive care, Emergency Services and Disaster Management, diagnostic services, Blood Bank/Storage management and transfusion services, anaesthetic services, Operation theatre services and management and end-of-life care management.



E10

Session 4: - Area of Concern D – Support Services Under NQAS

Dr. Chinmayee Swain took this session and started the presentation by explaining why support services are important under NQAS framework. She explained that support services are the backbone of hospital operations which are usually most neglected area in public hospitals. She laid emphasis on how support services directly and indirectly lead to poor Quality of services for example poor upkeep of facility and long down time of equipment. She added, little efforts in process improvement may give high & visible results to clinical care.

She gave the brief description of all the standards i.e. E1-E12 under support services and gave glance of comparison of standards as per level of facility. She made the participants understand the importance of the standards and means of verification were also explained in details for support services by giving examples.

Session 5 : - Area of Concern F : Infection Prevention under NQAS

Dr. Neeraj Gautam explained the infection control practices. He made the session interactive by asking questions related to various infection control practices and by demonstrating various practices like hand hygiene.

He made the understanding of the standards very convenient by explaining hand hygiene practices, personal protective equipment, equipment processing, environment control and biomedical waste management. His session was pictorial which made it more interactive and convenient for the participants to interpret.



the

Session 6: - Outcome Indicators under MusQan including exercise

Dr. Sushant Agrawal took this session and incorporated some exercise on quality management system and outcomes for making this session interactive and much clear. He briefed the participants on 24 KPIs under MusQan and how to track their calculation. He also briefed that under MusQan these KPIs will be verified by the team of assessors and report to be submitted to certification unit NHSRC.



Session 7 : Exercise on Area of Concern D & E

The group exercises were monitored by 7 moderators where all the participants were given the sheet. Various slides were shown, and the participants were asked to identify the standards.

DAY 4- 25th August 2022

The 4th day training started with recap of the last day sessions by Dr. Arpita Agarwal.

Session 1 : - Area of Concern G: Quality Management System (G8-G10)

Dr. Sushant Agrawal took this session. In this session he covered standard G7 to G10. He briefed the participants on the Quality tools. Through this session he explained the risk management framework in the health care facilities, to assess, report, evaluate and manage risks as per risk management plan and talks about the clinical governance framework to improve the quality and safety of clinical care processes in the facilities.



IN
G10.

how
the
also

Exercise on patient satisfaction, prescription audit, external quality assurance score for lab tests, PICK chart, pareto analysis, histogram, run chart & Failure Mode and Effects Analysis (FMEA) cleared the concepts of the participants.

Session 2 : - Quality Initiatives under NQAS: LaQshya (E17-E18)

Dr. Rashmi Wadhwa took this session. She focused on Maternal and Child Health Services including Intranatal care, Antenatal Care and Postnatal Care. He emphasized on established procedures care of newborn, infant and child, and procedures for abortion and family planning including Adolescent Reproductive and Sexual health Services. She covered the LaQshya program and deliberated on how to conduct the assessment under LaQshya initiative.



She

also
for

also

Session 3: - Overview of National Health Programs under NQAS (E23) Dr. Utsuk Dutta explained about the quality components of the NHP. He explained the programs by explaining them under communicable and non-communicable diseases and IDSP/IHIIP.

Under communicable disease she covered the following programs:

- National Tuberculosis eradication Program (NTEP)
- National AIDS Control Program
- National Vector Borne Disease Control Programme
- National Leprosy Eradication Programme

Under non-communicable disease she covered the following programs:

- National Programme for Prevention and Control of Cancer, Diabetes, Cardiovascular Disease and Stroke
- National Tobacco Control Programme
- National Mental Health Programme
- National Programme for Control of Blindness
- National Programme for Prevention and Control of Deafness
- National Programme for the Health Care of Elderly
- National Oral Health Care Programme



He gave the brief description about the IDSP/ IHIIP programs. He explained about the difference between old and new IDSP portal.

Session 5: - Ethical issues in Assessment of Health Facilities

NQAS assessment session was taken by Ms. Vinny Arora. She started her session by explaining the seven principles of assessment: - Integrity, Fair presentation, Due professional care, Confidentiality, Independence, Evidence based approach and Risk based thinking.

She also discussed about some ethical issues that has been raised by states during the external assessment. She also explained about the process of de-empanelment of assessors and how the certification process can be strengthened.

Session 6: IT initiative under NQAS platform

This session was taken up by Mr. Anand . He oriented the participants about the downloading and usage of the GUNAK app, which can be used during an assessment by the participants.

Session 7: Briefing about the field visit & Group work

Dr. Deepika Gaur briefed the participants about the field visit and gave them the instructions to be followed during the field visit. She briefed the participants about the DH selected for the field visit and divided the participants into groups. Each group had team coordinator from NHSRC team who were responsible for the coordination and guiding the teams. Dr. Deepika Gaur emphasized on the rules to be followed during the field visit & group work.

Session 8:- Role Play

In the session, assessors were briefed about the scenarios encountered during the conduct of assessments and how assessors can overcome those challenges.

Day 5-26th August

Field Visit: -

On 5th Day, the participants were assembled at Ibis Hotel New Delhi, and were divided according to their groups and departments were assigned followed by field visits to their respective public health care facility. The team members and assigned Departments were as follows: -

DH-1

DH-1 Group (01): Rao Tula Ram Memorial Hospital, Jaffar pur South West Delhi

S. No.	Name	Facilitators and Department to be assessed
1	Dr Aboli Gore	1. Mr Gulam Rafey 2. Dr Naveen 3. Dr Aman Sharma General Admin
2	Dr Girindra Kumar Nath	
3	Dr Ravi Sachan	
4	Dr Alok Rai	
5	Dr Chetna Khemani	

DH-1 Group (02): Rao Tula Ram Memorial Hospital, Jaffar pur South West Delhi

S. No.	Name	Facilitators and Department to be assessed
6	Dr Nani Tago	1. Mr Gulam Rafey 2. Dr Naveen 3. Dr Aman Sharma IPD
7	Dr Rajesh AJ	
8	Dr Rajeev Arora	
9	Dr Monika Rana	

DH-1 Group (03): Rao Tula Ram Memorial Hospital, Jaffar pur South West Delhi

S.NO.	Name	Facilitators and Department to be assessed
10	Dr Kapil Joshi	1. Mr Gulam Rafey 2. Dr Naveen 3. Dr Aman Sharma Laboratory
11	Dr Sunanda Gaikwad	
12	Dr Gaurav Tripathi	
13	Dr Tejwir Singh Shimar	

DH-1 Group (04): Rao Tula Ram Memorial Hospital, Jaffarpur South West Delhi

S.No.	Name	Facilitators and Department to be assessed
14	Dr Ruutuou Sorhie	1. Mr Gulam Rafey 2. Dr Naveen 3. Dr Aman Sharma Auxiliary
15	Dr Mohit Kumar	
16	Dr Vijay Prakash Rai	
17	Dr Tarun Kumar Ravi	

DH- 2

DH 2 Group (05): Dr Baba Saheb Ambedkar Hospital, Rohini, Delhi

S.No.	Name	Facilitator and Department to be assessed
18	Dr Divya Dave	1. Dr Mustafa 2. Dr Abhay Kumar 3. Dr Gaurav Radiology
19	Dr Jayesh B Borasaniya	
20	Prof Manish Agarwal	
21	Dr Indira Rathore	

DH 2 Group (06): Dr Baba Saheb Ambedkar Hospital, Rohini, Delhi

S.No.	Name	Facilitator and Department to be assessed
22	Dr Sheily Sharma	1. Dr Mustafa 2. Dr Abhay Kumar 3. Dr Gaurav Accident & Emergency
23	Dr Rajeev Kumar Tripathi	
24	Dr Vishal Kumar	
25	Dr Alok Kumar Swain	

DH 2 Group (07): Dr Baba Saheb Ambedkar Hospital, Rohini, Delhi

S.No.	Name	Facilitator and Department to be assessed
26	Dr Shalini Chawla	1. Dr Mustafa 2. Dr Abhay Kumar 3. Dr Gaurav SNCU
27	Dr Gopal Shankarrao Kadam	
28	Dr Brajesh Kumar	
29	Dr Pankaj Pant	

DH 2 Group (08): Dr Baba Saheb Ambedkar Hospital, Rohini, Delhi

S.No.	Name	Facilitators and Department to be assessed
30	Dr C Lalnunsangi	1. Dr Mustafa 2. Dr Abhay Kumar 3. Dr Gaurav OPD
31	Dr Tapan Kumar Mondal	
32	Dr J Somasekhar Goud	
33	Dr Arnab Biswas	

DH- 3

DH-3 Group (09): Bhagwan Mahavir Hospital, Rohini

S.No.	Name	Facilitators and Department to be assessed
34	Dr Sandhya Papneja	1. Dr Neeraj 2. Dr Abhay Dahiya 3. Dr Vineeta Pharmacy
35	Dr Satyajit Karale	
36	Dr Jai Singh	
37	Dr Narendra Singhoya	

DH-3 Group (10): Bhagwan Mahavir Hospital, Rohini

S.No.	Name	Facilitators and Department to be assessed
38	Dr Radhika	1. Dr Neeraj 2. Dr Abhay Dahiya 3. Dr Vineeta Blood Bank
39	Dr Amit Chattarjee	
40	Dr Tushar Purohit	
41	Dr Anuya Vineet Chauhan	

DH-3 Group (11): Bhagwan Mahavir Hospital, Rohini

S.No.	Name	Facilitators and Department to be assessed
42	Dr Neha Singhal	1. Dr Neeraj 2. Dr Abhay Dahiya 3. Dr Vineeta Labour Room
43	Dr Shashi Kiran Singh	
44	Dr Adarsh Priya Azad	
45	Lt Col (Dr) Manoj Kumar Nayak	

DH-3 Group (12): Bhagwan Mahavir Hospital, Rohini

S.No.	Name	Facilitators and Department to be assessed
46	Dr Sharmistha Sarkar	1. Dr Neeraj 2. Dr Abhay Dahiya 3. Dr Vineeta Paediatric Ward
47	Dr Younis Mustaq	
48	Dr Hariom Bansal	
49	Dr Jenieca Swett	

This field visit gave a great exposure to the participants, giving them an opportunity practical application.

Presentations on the field visit: - All the teams presented on the respective departments that were provided to them. presentations were delivered in a common format, which briefly described the findings of the field visit. Nine Team mentors were supporting to all the participants during their presentation.



for
twelve
The

DAY 6-27th August'2022

Session 1 :Recap & Revision of National Quality Assurance Standards

Dr Deepika Sharma took this session as a quiz which made many things easy and clear to the participants. The participants understood the concept of NQAS through this session which helped them to prepare for the exam.



key

EVALUATION

Participants underwent an evaluation on 6th day. Participants were given paper with MCQs, descriptive questions and case -study.



VALEDICTORY

Dr. Sumita Ghosh and Dr. J.N. Srivastava QI, Advisor-delivered the valedictory address. They thanked all the participants for their overwhelming participation and sincerity towards the training. Few participants expressed their views on the training, the training was fruitful for them; whatever good practices they had learnt during the training will be implemented in their facilities.



Although most of the participants were from various domains of the Healthcare System ranging from Clinician, Healthcare Education and so forth; they all participated and came forward to deliver the vote of thanks to Quality and Patient Safety Division of NHSRC. They expressed their satisfaction with the training. They have learned many new subjects, acquired a number of new technical skills and improved another group of existing skills. They expressed that after going through this program their knowledge and skills both have been upgraded in respect to Healthcare Quality, which they will implement at their respective working units / hospitals.

Annexure I: TRAINING AGENDA

Day1- Monday, 25 th July 2022		
Time	Topic	Resource Person
INAUGURATION SESSION		
08:30 AM-09:00AM	Registration	Mr. Divyanshu/ Dr Gaurav/ Ms. Sowjanya
09:00AM - 09:30AM	Pre-training Evaluation	QPS Team
09:30AM-09:35AM	Welcome Address	Dr J.N. Srivastava Advisor – QPS
09:35AM-09:40AM	Address by Principal Administrative Officer	Brig. Sanjay Baweja PAO, NHSRC
09:40AM-09:50AM	Address by Guest of Honour	Dr Neha Garg, Director (NHM – II) MoHFW
09:50AM-10:00AM	Address by Chief Guest	Maj Gen (Prof) Atul Kotwal, SM, VSM, ED - NHSRC
10:00AM – 10:20AM	Introduction by Participants	
10:20AM-10:25AM	Vote of Thanks	Dr Deepika Gaur Consultant QPS (CU)
10:25AM-10:45AM	Group Photography followed by tea break	
10:45AM- 11:45AM	Overview of Quality in Public Health System	Dr. J N Srivastava Advisor QPS
11:45 AM -1:00PM	Introduction to National Quality Assurance Standards	Dr. Deepika Sharma Lead Consultant - QPS
01:00PM-02:00PM	Lunch	
02:00PM-03:00PM	Measurement Systems under National Quality Assurance Standards	Ms. Vinny Arora Senior Consultant – QPS (CU)
03:00 PM-03:15PM	Brief about Exercises	Dr. Deepika Sharma Lead Consultant - QPS
03:15 PM-4:30 PM	Exercise on intent of Area of Concerns & Discussion with Moderator	Moderators 1-7

04:30PM-04:45PM	Tea Break	
04:45PM-05:30PM	Exercise on Measurement System & Discussion with Moderator	Moderators 1-7

Day 2- Tuesday, 26th July 2022		
Time	Topic	Resource Person
09:00AM-09:15AM	Recap	Dr Chinmayee Swain Sr Consultant QPS
09:15AM-10:00AM	Area of Concern A - Service Provision under NQAS	Dr. Deepika Sharma Lead Consultant - QPS
10:00AM - 11:00AM	Area of Concern – B Patient's Rights under NQAS	Dr. Abhay Dahiya Consultant – QPS
11:00AM-11:15AM	Tea Break	
11:15AM-12:15 PM	Area of Concern C – Inputs under NQAS	Ms. Vinny Arora Senior Consultant – QPS (CU)
12:15PM – 01:15PM	Quality initiatives under Child Health: MusQan	Dr. Renu Srivastava (Strategy Director Newborn)
01:15PM -02:00PM	Lunch	
02:00PM- 03:00PM	Area of Concern E - Specific Clinical Services under NQAS (E19 – E20)	Dr. Renu Srivastava (Strategy Director Newborn)
03:00PM- 04:00PM	Exercise on Area of Concern A & Its discussion	Moderators 1-7
04:00PM-04:15PM	Tea Break	
04:15PM- 04:45PM	Exercise on Area of Concern B & Its Discussion	Moderators 1-7
04:45PM – 05:30PM	Exercise on Area of Concern C & Its Discussion	Moderators 1-7

Day 3, Wednesday -27 th July2022		
Time	To	Resource Person
09:00AM-09:15AM	Recap	Dr Neeraj Gautam Consultant QPS (CU)
09:15 AM-10:30 AM	Area of Concern G – Quality Management System under NQAS (G1-G7)	Dr. Deepika Sharma Lead Consultant - QPS
10:30AM-11:15 AM	Area of Concern E: General Clinical Services under NQAS (E1 – E9)	Dr. Arpita Agrawal Consultant - QPS
11:15AM-11:30AM	Tea Break	
11:30AM-12:30 PM	Area of Concern E: Specific Clinical Services under NQAS (E10-E16)	Dr. J N Srivastava Advisor- QPS
12:30 PM-01:15PM	Area of Concern D – Support Services Under NQAS	Dr. Chinmayee Swain Senior Consultant - QPS
1:15PM-02:00PM	Lunch	
02:00 PM-02:45 PM	Area of Concern F: Infection Prevention under NQAS	Dr. Neeraj Gautam Consultant – QPS (CU)
02:45 PM – 03:30 PM	Outcome Indicators under MusQan including exercise	Dr. Sushant Agrawal SPO (Jharkhand),
03:30 PM – 04:00 PM	Exercise on Area of Concern D	Moderators 1-7
04:00PM-04:15PM	Tea Break	
04:15PM – 05:30PM	Exercise on Area of Concern E Primary & Secondary Care Service & Discussion	Moderators 1-7

Day 4, Thursday-7 th April' 2022		
Time	Topic	Resource Person
09:00AM-09:15AM	Recap	Dr Arpita Agarwal Consultant QPS
09:15AM-10:15AM	Area of Concern G: Quality Management System (G8-G10)	Dr. Sushant Agrawal SPO (Jharkhand), Jhepigo
10:15AM-11:15AM	Quality Initiatives under NQAS: LaQshya (E17-E18)	Dr Rashmi Wadhwa Sn Consultant Maternal Health
11:15AM-11:30AM	Tea Break	
11:30AM -12:30PM	Overview of National Health Programs under NQAS (E23)	Dr. Utsuk Dutta
12:30 PM – 1:30 PM	Key interventions at Health and Wellness Centers	Dr Mustafa Khan Consultant QPS
01:30PM-02:15PM	Lunch	
02:15PM- 03:15 PM	Ethical issues in Assessment of Health Facilities	Ms. Vinny Arora Senior Consultant – QPS (CU)
03:15 PM – 04:00PM	Key Components of Report Writing with exercise	Mr Gulam Rafey Consultant QPS (CU)
04:00PM-04:15PM	Tea Break	
04:15 PM- 05:00 PM	IT Initiative under NQAS	Mr. Anand External Consultant – QPS
05: 00 PM-05:15PM	Briefing about the field visit & Group work	Dr. Deepika Gaur Consultant - QPS
05:15PM – 05:30PM	Role Play	QPS team

Day 5, Friday-29 th July 2022		
Time	Topic	Resource Person
09:00AM-01:00PM	Field Visit	QPS Team
01:00PM-02:00PM	Lunch	
02:00PM-03:30PM	Scoring, Analysis, and Report Writing of the Field Visit	QPS Team
03:30PM-04:15PM	Presentation & Discussion on Field Visit	QPS Team
04:15PM-04:30PM	Tea Break	
04:30PM-05:45PM	Presentation & Discussion on Field Visit	QPS Team

Day 6, Saturday-30 th July 2022		
Time	Topic	Resource Person
09:00AM-10:00AM	Revision of National Quality Assurance Standards	Dr. Deepika Sharma Lead Consultant - QPS
10:00AM-10:30AM	Tea Break	
10:30 AM-01:00 PM	Post Training Evaluation	QPS Team
01:00PM-01:30PM	Valedictory/Feedback	QPS Team
01:30PM onwards	Lunch	

Annexure II: NAME OF PARTICIPANTS

Sr. No.	State	Name	Email Id	Mobile number
1	Arunachal Pradesh	Dr. Nani Tago	nanitago23@gmail.com	8729851163
2	Assam	Dr Girindra Kumar Nath	drgrindranath1806@gmail.com	9859129895
3	Bihar	Dr. Vijay Prakash Rai	spochildhealthshsb@Yahoo.com	9470003027 9973609882
4	Chandigarh	Dr. Shashi Kiran Singh	Prishashi6@gmail.com	9814735929
5	Delhi	Dr Tarun Kumar Ravi	dr_tarun174@yahoo.com	9810582484
6	Goa	Dr. Chetna Khemani Al-tekar	khemanichetna@gmail.com	9850969822
7	Gujarat	Dr Jayesh B Borasaniya	dr.jborsaniya@yahoo.co.in	9879821464
8	Gujarat	Dr Anuya Vineet Chauhan	dranuyachauhan@yahoo.co.in	9924821322
9	Gujarat	Dr. Divya Dave	drdivya99@yahoo.com	9879181808
10	Haryana	Dr. Sandya Papneja	sandhya_suneja@Yahoo.com	9810843478
11	Himachal Pradesh	Dr Sheily Sharma	sharmasheilly@gmail.com	9418025371 9805717515
12	Jammu & Kashmir	Dr Younis Mushtaq	younismushtaq@gmail.com	9018948862
13	Kerala	Dr.Rajesh AJ	drrajeshaj@gmail.com	9496465622
14	Kerala	Dr. Radhika	radhikaajith@gmail.com	9847064905
15	Madhya Pradesh	Dr. Gaurav Tripathi	drgrtripathi@gmail.com	9630132488
16	Madhya Pradesh	DR. ALOK RAI	aloksinghrai3october@gmail.com	9399497594
17	Maharastra	Dr. Gopal Shankarrao Kadam	drsgskadam@gmail.com	8007001525
18	Maharastra	Dr. Sunanda Gavali	sunandabgaikwad@gmail.com	9850147909
19	Maharastra	Dr. Satyajit Karale	satyajitkarale@gmail.com	8010671474
20	Meghalaya	MS. Janieca Swett	janies_mail@rediffmail.com	9402102454
21	Mizoram	Dr.C.Lalnunsangi	sangtei001@gmail.com	9862567632
22	Nagaland	Dr. Rüütuoü Sorhie	Sorhie.r@gmail.com	9436212799
23	Odisha	Dr. Alok Kumar Swain	dralokswain25@gmail.com	9437035779
24	Punjab	Dr. Tejwir Singh Shimar	lallyshimar@yahoo.com	7589091836
25	Rajasthan	Dr Indra Rathore	indrarathore0309@gmail.com	9414774626
26	Rajasthan	Dr Jai Singh	drjaisingh1992@gmail.com	9413026250
27	Rajasthan	Dr Hariom Bansal	dr.hobansal@gmail.com	7014352133
28	Telangana	Dr.J.Somashekar Goud	smskhrgoud@gmail.com	8555048712

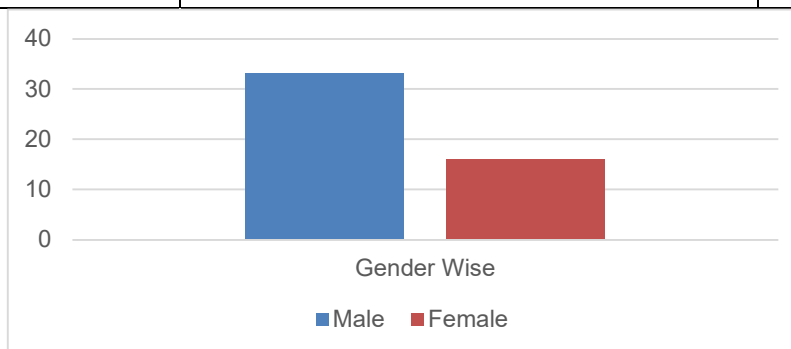
Sr. No.	State	Name	Email Id	Mobile number
29	Tripura	Dr. Sharmistha Sarkar	drsharmisthasarkar@gmail.com	8118989652/ 9436463939
30	Uttar Pradesh	Dr Mohit Kumar	drmohitkumar19@gmail.com	9415025659
31	Uttar Pradesh	Dr. Rajeev kumar Tripathi	drrajeev81@gmail.com	9452792804 7007956084
32	Uttar Pradesh	Dr. Brajesh kumar	drbrajesh88@gmail.com	9415154493
33	Uttar Pradesh	Dr. Rajeev Arora	arorarr27@gmail.com	9871348987
34	Uttar khand	Dr Mona Rana	monikarana701@gmail.com	7017963465
35	West Bengal	Dr Tapan Kumar Mondal	tapanmondal622@gmail.com	9433116622
36	West Bengal	Dr. Arnab Biswas	drarnab.biswas77@gmail.com	9836510810
37	Bihar	Dr. Aboli Gore	aboli@careindia.org	7541806508/ 9425004149
38	UP	Dr. Pankaj Pant	pankaj.pant28@gmail.com	9716608765
39	UP/Odisha	Lt Col. Dr. Manoj Kumar Nayak	dr_manojnayak@yahoo.com	8967038338
40	Delhi	Dr Amit Chatterjee	dramitchatterjee@gmail.com	9810303899
41	Delhi	Dr. Neha Singhal	drneha.tiss@gmail.com	9116008094
42	Delhi	Dr. Kapil Joshi	joshidrkapil@gmail.com	9414889133
43	Delhi	Dr. Shalini Chawla	chawlashalini90@gmail.com	9971170997
44	Delhi	Dr. Tushar Purohit	drtusharpurohit@gmail.com	7891055330
45	Chandigarh	Dr. Vishal Kumar	vishal_1957@yahoo.co.in/vishal.kumar@savethechildren.in	9023283943
46	Rajasthan	Dr. Narendra Singhoya	singhoyanarendra@gmail.com	9001544966
47	UP	Prof Manish AGARWAL	mameerut@yahoo.COM	98371 60154
48	Delhi/UP	Dr Ravi Sachan	dravisachangtbh@gmail.com	7839100100
49	Delhi	Dr Adarsh Priya Azad	rajesh103adarsh@gmail.com	9810247398

Annexure III: Distribution of participants based on gender and geography

S.NO	STATE	NAME OF PARTICIPANT	GENDER
1	Bihar	Dr.Aboli Gore	Female
2	Delhi	Dr. Shalini Chawla	Female
3	Delhi	Dr. Neha Singhal	Female
4	Tripura	Dr. Sharmistha Sarkar	Female
5	Uttarakhand	Dr Mona Rana	Female
6	Goa	Dr. Chetna Khemani Altekar	Female
7	Gujarat	Dr Anuya Vineet Chauhan	Female
8	Gujarat	Dr. Divya Dave	Female
9	Haryana	Dr. Sandya Papneja	Female
10	Himachal Pradesh	Dr Sheily Sharma	Female
11	Kerala	Dr. Radhika	Female
12	Maharashtra	Dr. Sunanda Gavali	Female
13	Meghalaya	MS. Janieca Swett	Female
14	Mizoram	Dr.C.Lalnunsangi	Female
15	Nagaland	Dr. Rüütuoü Sorhie	Female
16	Rajasthan	Dr Indra Rathore	Female

S.NO	STATE	NAME OF PARTICIPANT	GENDER
1	Arunachal Pradesh	Dr. Nani Tago	Male
2	Assam	Dr Girindra Kumar Nath	Male
3	Bihar	Dr. Vijay Prakash Rai	Male
4	Chandigarh	Dr. Shashi Kiran Singh	Male
5	Delhi	Dr Tarun Kumar Ravi	Male
6	Gujarat	Dr Jayesh B Borasaniya	Male
7	Jammu & Kashmir	Dr Younis Mushtaq	Male
8	Kerala	Dr.Rajesh AJ	Male
9	Madhya Pradesh	Dr. Gaurav Tripathi	Male
10	Madhya Pradesh	DR. ALOK RAI	Male
11	Maharashtra	Dr. Gopal Shankarrao Kadam	Male

S.NO	STATE	NAME OF PARTICIPANT	GENDER
12	Maharastra	Dr. Satyajit Karale	Male
13	Odisha	Dr. Alok Kumar Swain	Male
14	Punjab	Dr. Tejwir Singh Shimar	Male
15	Rajasthan	Dr Jai Singh	Male
16	Rajasthan	Dr Hariom Bansal	Male
17	Telangana	Dr.J.Somashekar Goud	Male
18	Uttar Pradesh	Dr Mohit Kumar	Male
19	Uttar Pradesh	Dr. Rajeev kumar Tripathi	Male
20	Uttar Pradesh	Dr.Brajesh kumar	Male
21	Uttar Pradesh	Dr. Rajeev Arora	Male
22	West Bengal	Dr Tapan Kumar Mondal	Male
23	West Bengal	Dr. Arnab Biswas	Male
24	UP	Dr. Pankaj Pant	Male
25	UP/Odisha	Lt Col. Dr. Manoj Kumar Nayak	Male
26	Delhi	Dr Amit Chatterjee	Male
27	Delhi	Dr. Kapil Joshi	Male
28	Delhi	Dr. Tushar Purohit	Male
29	Chandigarh	Dr. Vishal Kumar	Male
30	Rajasthan	Dr. Narendra Singhoya	Male
31	UP	Prof Manish AGARWAL	Male
32	Delhi/UP	Dr Ravi Sachan	Male
33	Delhi	Dr Adarsh Priya Azad	Male



Geographical Distribution of the participants: -

Geographical Distribution of Participants		
Sl. No	Name of the State	No. of Participants
1	Arunachal Pradesh	1

2	Assam	1
3	Bihar	2
4	Chandigarh	2
5	Delhi	7
6	Delhi/UP	1
7	Goa	1
8	Gujarat	3
9	Haryana	1
10	Himachal Pradesh	1
11	Jammu & Kashmir	1
12	Kerala	2
13	Madhya Pradesh	2
14	Maharashtra	3
15	Meghalaya	1
16	Mizoram	1
17	Nagaland	1
18	Odisha	1
19	Punjab	1
20	Rajasthan	4
21	Telangana	1
22	Tripura	1
23	UP	6
24	UP/Odisha	1
25	Uttarakhand	1
26	West Bengal	2
Grand Total		49

Annexure – IV Feedback

The average score of feedback analysis is given below:-

Day -1	4.70
Day -2	4.58
Day -3	4.46
Day -4	3.64
Day -5	4.56
Day-6	4.41
Avg.	4.39

Overall Feedback: 4.47

Faculty wise feedback Analysis :-

Dr. J.N Srivastava	4.45
Dr. Deepika Sharma	4.73
Ms. Vinny Arora	4.67
Dr. Chinmayee Swain	4.34
Dr. Abhay Dahiya	4.56
Dr. Neeraj Gautam	4.65
Dr. Arpita Agrawal	4.34
Mr. Gulam Rafey	4.58
Mr. Anand	4.48
External Faculty feedback	
Dr. Utsuk Dutta	4.74
Dr. Renu Srivastava	4.55
Dr. Sushant Agarwal	4.48
Dr. Rashmi Wadhwa	4.41

SUGGESTIONS BY PARTICIPANTS

S. No.	SUGGESTIONS TO IMPROVE TRAINING
1	Sessions should be more Problem based learning
2	Session on NHP was very fast and relevant data to be updated. Give more time for NHP
3	More examples need to be incorporated
4	Two-way communication during training required as per sessions
5	Slides should not be overflowing with data. The content was not visible in many slides. Using smart art graphics will be more interesting.
6	Interaction with the participants should be more

Hotel IBIS feedback Analysis:-

Check-in process	3.54
Wi-Fi Connectivity	3.81
Room Amenities	4.13
Food and Snacks	3.33
Overall Rating	3.38

S.No.	Most Liked Sessions	Trainer
1.	Assessment of National Health Program	Dr Utsuk Dutta
2.	Introduction to National Quality Assurance Standards	Dr. Deepika Sharma
3.	Revision of NQAS	Dr. Deepika Sharma

Annexure – V Scoring of participants

Group Exercise Scoring Sheet of the participants: -

S. No	State	Name of Participants	Exercise-1	Exercise-2	Exercise-3	Exercise-4	Exercise-5	Exercise-6	Exercise-7	Exercise-8
			Day-1		Day-2			Day-3		
1	Arunachal Pradesh	Dr. Nani Tago	9	9	9	8.5	9	9	9	10
2	Bihar	Dr. Aboli Gore	9	9	9	9.5	9	10	9	10
3	Delhi	Dr. Kapil Joshi	8	9	9	10	9	10	9	8
4	Gujarat	Dr. Jayesh B Borasaniya	8	8	9	7.5	9	8	9	9
5	Kerala	Dr. Radhika	10	10	9	10	9	10	9	8
6	Maharashtra	Dr. Satyajit Karale	9	10	9	8.5	9	9	9	8
7	Rajasthan	Dr. Indra Rathore	8	9	9	8.5	9	9	9	9
8	Uttar Pradesh	Dr. Mohit Kumar	9	9	9	7	9	9	9	9
9	Assam	Dr. Girindra Kumar Nath	8	8	7	8	7	8	7	8
10	Delhi	Dr. Adarsh Priya Azad	9	9	8	9	8	9	9	9
11	Gujarat	Dr. Anuya Vineet Chauhan	9.5	9	9	8	8	8	9	9
12	Kerala	Dr. Rajesh AJ	7.5	7	7	7	7	9	8	8
13	Maharashtra	Dr. Sunanda Gavali	8.5	8.5	7	8	7	10	9	10
14	Meghalaya	MS. Janieca Swett	9.5	9	8	8	7	8	8	8
15	Uttar Pradesh	Dr. Rajeev Kumar Tripathi	9	9	8	7	9	9	8	8
16	Uttar Pradesh	Prof. Manish AGARWAL	9	9	8	9	8	10	9	9
17	Bihar	Dr. Vijay Prakash Rai	7	6.5	9	9	9	7	7	8
18	Delhi	Dr. Ravi Sachan	8	7.5	9	9	9	9	8	9
19	Gujarat	Dr. Divya Dave	8.5	7.5	9	9	9	8	8	9
20	Madhya Pradesh	Dr. Gaurav Tripathi	9.5	9	9	9	9	8	9	9
21	Mizoram	Dr. C. Lalnunsangi	8	7	8.5	8.5	8.5	7	9	8
22	Rajasthan	Dr. Jai Singh	8	7	9	9	9	8	7	9

S. No	State	Name of Participants	Exercise-1	Exercise-2	Exercise-3	Exercise-4	Exercise-5	Exercise-6	Exercise-7	Exercise-8
			Day-1		Day-2			Day-3		
23	Chandigarh	Dr. Shashi Kiran Singh	9	9	9	9.5	8	9	8	9.5
24	Delhi	Dr. Tushar Purohit	9	9	9.5	9	8.5	9	8.5	9
25	Delhi	Dr. Shalini Chawla	9	8	8.5	9	8	9	8.5	9
26	Haryana	Dr. Sandya Papneja	8	9	9.5	9.5	9	9	9	9.5
27	Madhya Pradesh	DR. Alok Rai	8	9	9	9	9	9	8.5	9
28	Uttar Pradesh	Dr. Rajeev Arora	8	8	8	9	8	9	8.5	8.5
29	Chandigarh	Dr. Vishal Kumar	8	8	9	9	9	9	9	9
30	Delhi	Dr Tarun Kumar Ravi	8	9	8	9	9	9	9	9
31	Himachal Pradesh	Dr Sheily Sharma	8	8	9	9	9	9	9	9
32	Maharashtra	Dr. Gopal Shankar-rao Kadam	8	7	9	9	9	9	9	9
33	Odisha	Dr. Alok Kumar Swain	7	8	8	9	9	9	9	9
34	Telangana	Dr.J.Somashekar Goud	7	7	8	9	9	9	9	9
35	Uttar Pradesh	Lt Col. Dr. Manoj Kumar Nayak	8	8	9	9	9	9	9	9
36	Uttarakhand	Dr Monika Rana	9	9	9	9	9	9	9	9
37	Goa	Dr. Chetna Khe- mani Altekari	8	9	9	8	8	8	9	9
38	Jammu & Kashmir	Dr Younis Mushtaq	9	10	8	9	9	9	8	9
39	Punjab	Dr. Tejwir Singh Shimar	8	9	8	9	8	9	9	8
40	Rajasthan	Dr. Narendra Singh-hoya	8	8	10	9	8	8	9	9
41	Tripura	Dr. Sharmistha Sarkar	7	8	8	7	8	8	8	8
42	Uttar Pradesh	Dr.Brajesh kumar	9	9	9	8	9	9	8	8
43	West Bengal	Dr Tapan Kumar Mondal	8	8	7	8	8	9	8	7
44	Delhi	Dr. Neha Singhal	9	9	8	9	9	9	10	9
45	Delhi	Dr Amit Chatterjee	9	9	7	8	9	8	8	9

S. No	State	Name of Participants	Exercise-1	Exercise-2	Exercise-3	Exercise-4	Exercise-5	Exercise-6	Exercise-7	Exercise-8
			Day-1		Day-2			Day-3		
46	Nagaland	Dr. Rüütuoü Sorhie	7	7	7	8	8	9	9	9
47	Rajasthan	Dr Hanom Bansal	9	9	9	9	8	9	8	9
48	Uttar Pradesh	Dr. Pankaj Pant	9	9	7	7	9	9	8	9
49	West Bengal	Dr. Arnab Biswas	9	9	9	7	8	8	8	9

Annexure VI: LIST OF QUALIFIED PARTICIPANTS

Sr. No.	State	Name
1	Arunachal Pradesh	Dr. Nani Tago
2	Assam	Dr Girindra Kumar Nath
3	Bihar	Dr.Aboli Gore
4	Chandigarh	Dr. Vishal Kumar
5	Chandigarh	Dr. Shashi Kiran Singh
6	Delhi	Dr. Neha Singhal
7	Delhi	Dr. Shalini Chawla
8	Delhi	Dr. Tushar Purohit
9	Delhi	Dr Adarsh Priya Azad
10	Delhi	Dr. Kapil Joshi
11	Delhi	Dr Tarun Kumar Ravi
12	Delhi	Dr Amit Chatterjee
13	Goa	Dr. Chetna Khemani Altekar
14	Gujarat	Dr. Divya Dave
15	Gujarat	Dr Anuya Vineet Chauhan
16	Gujarat	Dr Jayesh B Borasaniya
17	Haryana	Dr. Sandhya Papneja
18	Himachal Pradesh	Dr Sheily Sharma
19	Jammu & Kashmir	Dr Younis Mushtaq
20	Kerala	Dr. Radhika
21	Kerala	Dr.Rajesh AJ
22	Madhya Pradesh	Dr. Gaurav Tripathi
23	Maharastra	Dr. Gopal Shankarrao Kadam
24	Maharastra	Dr. Sunanda Gavali
25	Meghalaya	MS. Janieca Swett
26	Mizoram	Dr.C.Lalnunsangi
27	Odisha	Dr. Alok Kumar Swain
28	Uttar Pradesh	Prof Manish Agarwal
29	Uttar Pradesh	Dr. Pankaj Pant
30	Uttar Pradesh	Dr. Rajeev kumar Tripathi
31	Uttar Pradesh	Dr. Rajeev Arora
32	Uttar Pradesh	Lt Col. Dr. Manoj Kumar Nayak
33	Uttarakhand	Dr Monika Rana