

SUMMER INTERNSHIP PROGRAM

at

NATIONAL HEALTH MISSION

GUJRAT

From 5th May 2024 to 5th July 2024

A REPORT BY

Tushar Yadav

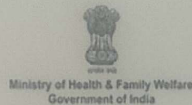
Master of Business Administration (Hospital and Health Management)

2023-25

under the Mentorship of

Dr. Susmit Jain



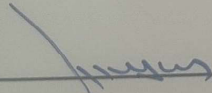


Certificate of Internship

This is to certify that Mr./Miss. Dr. Tushar Yadav student of IIHMR University, Jaipur has successfully completed the Internship of MBA (Hospital and Health Management) from 06.05.2024 to 05.07.2024 at NCD Dept, CCH, Gandhinagar.

During the period of his/~~her~~ internship programme with us, He/~~She~~ has been exposed to different processes and was found diligent, hardworking & inquisitive.

We wish him/~~her~~ every success in life & career.


Mrs. K.M. Sheth, GAS
Programme Officer(Admin)
National Health Mission, Gujarat


Remya Mohan, IAS
Mission Director,
National Health Mission, Gujarat

IIHMR University Faculty Mentor Approval

This is to certify that **Dr. Tushar Yadav** of academic year 2023-25 of Institute of Health Management Research has prepared a poster with respect to his summer internship held during May-June 2024.

He has carried out work as per the guidelines. His poster is approved for presentation.

Date: 23/07/2024

A handwritten signature in blue ink, appearing to read 'Susmit Jain', with the date '23.07.2024' written next to it.

(Signature of Faculty Mentor)

Name: **Dr. Susmit Jain**

Designation: Associate Professor

ABOUT THE ORGANIZATION

The National Health Mission (NHM) is an initiative undertaken by the government of India to address the health needs of underserved rural and urban areas. Launched in 2013, it combines the National Rural Health Mission (NRHM) and the National Urban Health Mission (NUHM). The NHM aims to provide accessible, affordable, and quality healthcare services to all citizens, particularly the vulnerable sections of society.

Vision

The vision of NHM is to achieve universal access to equitable, affordable, and quality healthcare services that are accountable and responsive to the needs of the people, with a special focus on the marginalized sections of the population.

Mission

The mission of NHM is to:

- Improve the availability and accessibility of quality health care by strengthening health systems, institutions, and capacities at all levels.
- Ensure comprehensive primary health care services are available to all, especially in rural and underserved areas.
- Enhance community participation in health planning and decision-making processes.
- Reduce maternal and infant mortality rates and address other health determinants.

STRUCTURE: Mission Director > MD > AD > State program officer > consultant > coordinator > project officer > project assistant > computer operate.

ACTIVITIES DONE

- Data from various hospitals in the Gandhinagar district were collected using a structured questionnaire.
- Conducted interviews with healthcare providers to gather qualitative insights.
- Assessed the availability of dedicated pulmonary care units, bed capacity, and essential facilities like PFTs, imaging, oxygen therapy, mechanical ventilation, and ABG analysis.
- Evaluated ward facilities for Chronic obstructive pulmonary disease (COPD) patients, including the availability of isolation wards.
- Surveyed the number of medical staff including pulmonologists, general physicians trained in respiratory care, and other specialists.
- Assessed the number of allied health professionals like respiratory therapists, nurses, and physiotherapists.
- Reviewed training programs and continuing medical education (CME) opportunities focused on Chronic obstructive pulmonary diseases (COPD).
- Evaluated the availability of educational materials for healthcare providers and patients.
- Checked the availability and stock consistency of essential Chronic obstructive pulmonary disease (COPD) medications and equipment.
- Assessed the protocols for maintaining and calibrating medical equipment.
- Evaluated the familiarity and implementation of NHM Chronic obstructive pulmonary diseases (COPD) guidelines among healthcare providers.
- Assessed the frequency and effectiveness of clinical audits to ensure guideline adherence.
- Reviewed the follow-up care protocols and pulmonary rehabilitation programs.
- Assessed the methods for tracking patient outcomes and the availability of support services for COPD patients.

GLIMPSE OF ACTIVITIES



SWOT ANALYSIS OF MOMENTUM Routine Immunization Transformation and Equity (M-RITE)

Strengths

- Well-trained healthcare professionals
- Availability of essential drugs in most facilities

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Weaknesses

- Limited advanced equipment in rural areas
- Inadequate patient follow-up practices

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Opportunities

- Potential for telemedicine to improve rural healthcare
- Government initiatives to enhance healthcare infrastructure

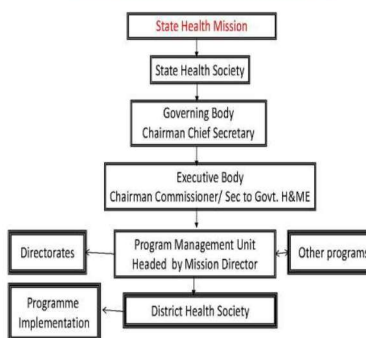
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Threats

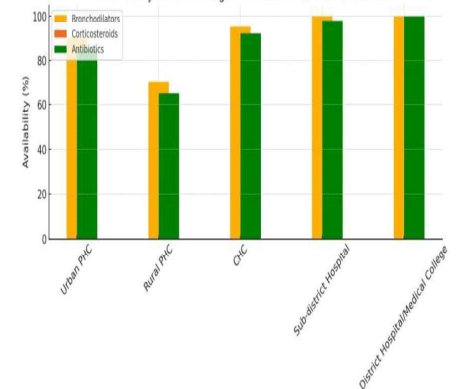
- Increasing prevalence of COPD
- Limited funding for healthcare improvements.

T

Structure of State Health Society



Availability of COPD Drugs in Different Healthcare Facilities



USEFULNESS OF INTERNSHIP

Provided exposure through an opportunity to work on COPD program and its challenges.

THEORETICAL UNDERSTANDING

- Grass-root level problems are not deeply discussed.
- Theoretical understanding gives knowledge.
- In the research methodology module, learned about how to collect and analyze data or information.
- In the Marketing Management module, learned about SWOT analysis.

PRACTICAL EXPOSURE

- Experienced grass-root level challenges.
- Deals with the implementation of work.
- Implemented classroom learnings in data collection & analysis.
- Performed SWOT Analysis.

LEARNINGS

- Classroom learning on hospital infrastructure management was applied in assessing the availability and adequacy of facilities for COPD management.
- Theories on staffing and workforce training were linked with the evaluation of medical and allied health professionals available for COPD care.
- Understanding of clinical guidelines and quality assurance practices was utilized in evaluating the adherence to NHM COPD guidelines and the implementation of clinical audits.
- Knowledge from patient care management and rehabilitation courses was applied in assessing follow-up care and pulmonary rehabilitation programs.

CHALLENGES

- ❖ Limited Access to Healthcare facilities and specialists.
- ❖ Lack of Awareness about COPD among the general population.

SUGGESTIONS

- Increase the number of dedicated pulmonary care units and improve bed capacity.
- Ensure all hospitals are equipped with necessary diagnostic and therapeutic equipment.
- Recruit more pulmonologists and respiratory therapists.
- Increase training programs and CME opportunities focused on COPD management.
- Develop robust supply chain management to prevent stock-outs of COPD medications.
- Standardize protocols for equipment maintenance and calibration.
- Conduct regular training sessions on NHM COPD guidelines.
- Increase the frequency and rigor of clinical audits to ensure compliance.
- Standardize follow-up care protocols across all hospitals.
- Expand pulmonary rehabilitation programs and establish support groups or counselling services for COPD patients.

Reporting Format

(Weekly)

Name of the Organization: NHM Gujrat

Area/ Department/ Project of Summer Internship Program: NCDs

Name of the Student: Dr Tushar Yadav

Roll no: 1877

Stream: Hospital and Health Management

Week no: 1st

From 06th May 2024 **to** 12th May 2024.

Activity Done	Day 01 – Reporting to NHM Bhawan Day 02 – Holiday (Election) Day 03 – Read the NCDs Guideline Day 04 – Observed the NCDs portal Day 05 – Holiday (Parshuram Jayanti)
Linking theory (Classroom learning) with practice at your organization	Missions were taught under the module: National Health Programs (CC-618)
Gaps identified in the working area.	This is my first Week so I didn't find gaps. I will be able to tell you later.
Suggestions for improvement	Should include innovative awareness Activities in all locations where cases of NCDs are found.
Plan for the next week	Complete a tour of Gandhinagar to analyze areas for improvement of NCD cases.

Signature of the Student

Approved by the IIHMR University's Mentor

Reporting Format

(Weekly)

Name of the Organization: NHM Gujrat

Area/ Department/ Project of Summer Internship Program: NCDs

Name of the Student: Dr Tushar Yadav

Roll no: 1877

Stream: Hospital and Health Management

Week no: 2^{ed}

from 13th May 2024 **to** 19th May 2024.

Activity Done	In the first 2 days of the week, I studied about National Communicable Disease guidelines line then got allotted a (NPHCE) National Program for Elderly Care and also studied about National NCD portal Methods. Attend the webinar on Hypertension 17 th May
Linking theory (Classroom learning) with practice at your organization	Missions were taught under the module: National Health Programs (CC-618)
Gaps identified in the working area.	Not got a chance of field trip yet so couldn't Identified any gaps in the field trip properly only going through with reading the guidelines only.
Suggestions for improvement	Should include innovative awareness Activities in all locations where cases of NCDs are found.
Plan for the next week	Field trip tour of Gandhinagar in PHC and Sub- center for Facility Assessment improvement of NPHCE cases.

Signature of the Student

Approved by the IIHMR University's Mentor

Reporting Format (Weekly)

Name of the Organization: NHM Gujrat

Area/ Department/ Project of Summer Internship Program: NCDs

Name of the Student: Dr Tushar Yadav

Roll no: 1877

Stream: Hospital and Health Management

Week no: 3^{ed}

From: 19th May 2024 to 26th May 2024.

Activity Done	I went through the National Communicable Disease guidelines line and then got allotted for COPD.
Linking theory (Classroom learning) with practice at your organization	Missions were taught under the module: National Health Programmes (CC-618)
Gaps identified in the working area.	I have not had a chance on a field trip yet, so I couldn't identify any gaps in the field trip properly, only going through with reading the guidelines.
Suggestions for improvement	Should include innovative awareness Activities in all locations where cases of COPD are found.
Plan for the next week	Field trip tour of Gandhinagar in PHC and CHC, Sub District hospital, and District Hospital/Medical College for Facility Assessment improvement of COPD cases.

Signature of the Student

Approved by the IIHMR University's Mentor

Reporting Format (Weekly)

Name of the Organization: NHM Gujrat

Area/ Department/ Project of Summer Internship Program: NCDs

Name of the Student: Dr Tushar Yadav

Roll no: 1877

Stream: Hospital and Health Management

Week no: 4th

From: 27th May 2024 to 2^{ed} Jun 2024.

Activity Done	I went through the National Communicable Disease guidelines line and then got allotted for COPD. Studied the Guidelines for COPD. Understand the diseases and read the availability of drugs and equipment and also the infrastructure and human resources by Guideline.
Linking theory (Classroom learning) with practice at your organization	Missions were taught under the module: National Health Programmes (CC-618)
Gaps identified in the working area.	I have not had a chance on a field trip yet, so I couldn't identify any gaps in the field trip properly, only going through with reading the guidelines.
Suggestions for improvement	Should include innovative awareness Activities in all locations where cases of COPD are found.
Plan for the next week	Field trip tour of Gandhinagar in PHC and CHC, Sub District hospital, and District Hospital/Medical College for Facility Assessment improvement of COPD cases.

Signature of the Student

Approved by the IIHMR University's Mentor

Reporting Format (Weekly)

Name of the Organization: NHM Gujrat

Area/ Department/ Project of Summer Internship Program: NCDs

Name of the Student: Dr Tushar Yadav

Roll no: 1877

Stream: Hospital and Health Management

Week no: 5th

from: 03th Jun 2024 to 10th Jun 2024.

Activity Done	Understand the diseases and read the availability of drugs and equipment and also the infrastructure and human resources by Guideline. And make a Questionnaire for the upcoming survey. And approved by the college mentor and also by the Organization mentor.
Linking theory (Classroom learning) with practice at your organization	Missions were taught under the module: National Health Programs (CC-618)
Gaps identified in the working area.	Not got a chance of field trip yet so couldn't Identified any gaps in the field trip properly only going through with reading the guidelines only.
Suggestions for improvement	Should include innovative awareness Activities in all locations where cases of NCDs are found.
Plan for the next week	Field trip tour of Gandhinagar in PHC and CHC, Sub District hospital, and District Hospital/Medical College for Facility Assessment improvement of COPD cases.

Signature of the Student

Approved by the IIHMR University's Mentor

Reporting Format (Weekly)

Name of the Organization: NHM Gujrat

Area/ Department/ Project of Summer Internship Program: NCDs

Name of the Student: Dr Tushar Yadav

Roll no: 1877

Stream: Hospital and Health Management

Week no: 6th

From: 10th Jun 2024 to 16th Jun 2024.

Activity Done	Collected data from various hospitals in Gandhinagar district using a structured questionnaire. - Conducted interviews with healthcare providers to gather qualitative insights. - Assessed the availability of dedicated pulmonary care units, bed capacity, and essential facilities like PFTs, imaging, oxygen therapy, mechanical ventilation, and ABG analysis.
Linking theory (Classroom learning) with practice at your organization	Missions were taught under the module: National Health Programs (CC-618)
Gaps identified in the working area.	- Inadequate dedicated pulmonary care units and insufficient bed capacity in some hospitals - Limited availability of essential diagnostic and therapeutic equipment like mechanical ventilation and ABG analysis.
Suggestions for improvement	Should include innovative awareness Activities in all locations where cases of NCDs are found.
Plan for the next week	Complete a tour of Gandhinagar District to analyze areas for improvement of COPD cases.

Signature of the Student

Approved by the IIHMR University's Mentor

Reporting Format

(Weekly)

Name of the Organization: NHM Gujrat

Area/ Department/ Project of Summer Internship Program: NCDs

Name of the Student: Dr Tushar Yadav

Roll no: 1877

Stream: Hospital and Health Management

Week no: 7th

From: 17th Jun 2024 to 28th Jun 2024.

Activity Done	- Evaluated ward facilities for COPD patients, including the availability of isolation wards. - Surveyed the number of medical staff including pulmonologists, general physicians trained in respiratory care, and other specialists. - Assessed the number of allied health professionals like respiratory therapists, nurses, and physiotherapists.
Linking theory (Classroom learning) with practice at your organization	- Classroom learning on hospital infrastructure management was applied in assessing the availability and adequacy of facilities for COPD management.
Gaps identified in the working area.	- Frequent stock-outs of critical COPD medications in some hospitals. Inconsistent protocols for maintaining and calibrating medical equipment. - Incomplete adherence to NHM COPD guidelines due to lack awareness and training.
Suggestions for improvement	Should include innovative awareness Activities in all locations where cases of NCDs are found.
Plan for the next week	Visit to same CHCs and PHCs of Gandhinagar District to analyze areas for improvement of COPD cases.

Signature of the Student

Approved by the IIHMR University's Mentor

Reporting Format

(Weekly)

Name of the Organization: NHM Gujrat

Area/ Department/ Project of Summer Internship Program: NCDs

Name of the Student: Dr Tushar Yadav

Roll no: 1877

Stream: Hospital and Health Management

Week no: 8th

From: 29th July 2024 to 5th July 2024.

Activity Done	Checked the availability and stock consistency of essential COPD medications and equipment. Assessed the protocols for maintaining and calibrating medical equipment. Assessed the frequency and effectiveness of clinical audits to ensure guideline adherence. Reviewed the follow-up care protocols and pulmonary rehabilitation programs.
Linking theory (Classroom learning) with practice at your organization	Classroom learning on hospital infrastructure management was applied in assessing the availability and adequacy of facilities for COPD management.
Gaps identified in the working area.	Limited frequency of clinical audits to ensure guideline adherence. Inconsistent follow-up care protocols and limited availability of pulmonary rehabilitation programs. Lack of structured support groups or counseling services for COPD patients.
Suggestions for improvement	Should include innovative awareness Activities in all locations where cases of NCDs are found.
Plan for the next week	analyze the data and create a final report for improvement of COPD cases in Gandhinagar District.

Signature of the Student

Approved by the IIHMR University's Mentor

Compiled Reporting Format

Name of the Organisation: National Health Mission - Gujrat

Area/ Department/ Project of Summer Internship Program: Assessment of COPD in the District Gandhinagar.

Name of the Student: Dr.Tushar Yadav

Roll no: 1877

Stream: MBA (HM-28)

Activity Done	- Collected data from various hospitals in Gandhinagar district using a structured questionnaire. - Conducted interviews with healthcare providers to gather qualitative insights. - Assessed the availability of dedicated pulmonary care units, bed capacity, and essential facilities like PFTs, imaging, oxygen therapy, mechanical ventilation, and ABG analysis. - Evaluated ward facilities for COPD patients, including the availability of isolation wards. - Surveyed the number of medical staff including pulmonologists, general physicians trained in respiratory care, and other specialists. - Assessed the number of allied health professionals like respiratory therapists, nurses, and physiotherapists. - Reviewed training programs and continuing medical education (CME) opportunities focused on COPD. - Evaluated the availability of educational materials for healthcare providers and patients. - Checked the availability and stock consistency of essential COPD medications and equipment. - Assessed the protocols for maintaining and calibrating medical equipment. - Evaluated the familiarity and implementation of NHM COPD guidelines among healthcare providers. - Assessed the frequency and effectiveness of clinical audits to ensure guideline adherence. - Reviewed the follow-up care protocols and pulmonary rehabilitation programs. - Assessed the methods for tracking patient outcomes and the availability of support services for COPD patients.
Linking theory (Classroom learning) with practice at your	- Classroom learning on hospital infrastructure management was applied in assessing the availability and adequacy of facilities for COPD management. - Theories on staffing and workforce training were linked with the evaluation of medical and allied health professionals available for COPD care. - Understanding of clinical guidelines and quality assurance practices was utilized in evaluating the adherence to NHM COPD guidelines and the implementation of clinical audits.

organization	- Knowledge from patient care management and rehabilitation courses was applied in assessing follow-up care and pulmonary rehabilitation programs.
Gaps identified in the working area.	- Inadequate dedicated pulmonary care units and insufficient bed capacity in some hospitals. - Limited availability of essential diagnostic and therapeutic equipment like mechanical ventilation and ABG analysis. - Lack of sufficient trained pulmonologists and respiratory therapists in several hospitals. - Insufficient training programs and CME opportunities focusing on COPD. - Frequent stock-outs of critical COPD medications in some hospitals. - Inconsistent protocols for maintaining and calibrating medical equipment. - Incomplete adherence to NHM COPD guidelines due to lack awareness and training. - Limited frequency of clinical audits to ensure guideline adherence. - Inconsistent follow-up care protocols and limited availability of pulmonary rehabilitation programs. - Lack of structured support groups or counseling services for COPD patients.
Suggestions for improvement	- Increase the number of dedicated pulmonary care units and improve bed capacity. - Ensure all hospitals are equipped with necessary diagnostic and therapeutic equipment. - Recruit more pulmonologists and respiratory therapists. - Increase training programs and CME opportunities focused on COPD management. - Develop robust supply chain management to prevent stock-outs of COPD medications. - Standardize protocols for equipment maintenance and calibration. - Conduct regular training sessions on NHM COPD guidelines. - Increase the frequency and rigor of clinical audits to ensure compliance. - Standardize follow-up care protocols across all hospitals. - Expand pulmonary rehabilitation programs and establish support groups or counseling services for COPD patients.

Signature of the Student

Approved by the IIHMR University's Mentor