

SUMMER INTERNSHIP PROGRAM

at

JHPIEGO

Maternal and Child Healthcare

From 01/05/2024 to 30/06/2024

A REPORT BY

Dr. Shubhi Mishra

Master of Business Administration

(Health and Hospital Management)

2023-2025

Under the Mentorship of

Dr.(Col) Mahendra Kumar



The IIHMR University, Jaipur.

July 02, 2024

CERTIFICATE OF INTERNSHIP

This is to certify that Dr. Shubhi Mishra has completed her internship with Jhpiego from May 01, 2024 till June 30, 2024.

She interned at Jaipur, Rajasthan location. She provided concurrent research (quantitative and qualitative) and documentation support for ongoing and future initiatives in anti-natal care, conducted literature/desk review for assigned research reports and manuscripts, and participated in various ongoing and new research projects by providing support in designing methodology and report writing and editing. She also supported in data extraction, cleaning and analysis for reporting and manuscripts, and organized knowledge resources and facilitate dissemination of resources.

Shubhi's performance was good and she was able to accomplish the assigned tasks timely and successfully. She worked diligently during this period and displayed positive attitude and effective interpersonal, communication and professional skills.

I wish her success in life.

On behalf of Jhpiego

Vidya Tulsidharan

Ms. Vidya Tulsidharan
Director: HR

IIHMR University Faculty Mentor Approval

This is to certify that **Dr. Shubhi Mishra** of the academic year 2023-25 of **INSTITUTE OF HEALTH MANAGEMENT RESEARCH** has prepared a poster with respect to her summer internship held during May-June 2024.

She has carried out her work as per the guidelines. Her poster is approved for presentation.

Date: July 22, 2024



Dr. (Cof) Mahender Kumar

Professor

IIHMR University Jaipur

EVALUATION OF DELIVERY OUTCOMES, ASSOCIATED COMPLICATIONS, AND HIGH-RISK FACTORS RECORDED IN PRASAV WATCH ACROSS ALL HEALTHCARE FACILITIES IN DISTRICTS OF RAJASTHAN

ABOUT THE ORGANISATION

Jhpigo (Johns Hopkins Program for International Education in Gynecology and Obstetrics) is a non-profit organization affiliated with Johns Hopkins University, established in 1974 by Dr. Theodore M. King with funding from USAID. The organization aims to improve women's and family health worldwide, operating in over 40 countries to enhance healthcare provider skills, strengthen health systems, and develop innovative solutions. Jhpigo's initiatives include maternal and child health, family planning, and HIV/AIDS prevention, among others. The organization began its work in India in the 1980s, collaborating with the Ministry of Health and Family Welfare (MoHFW) and the Government of India (GoI) to strengthen reproductive health services.

VISION AND MISSION

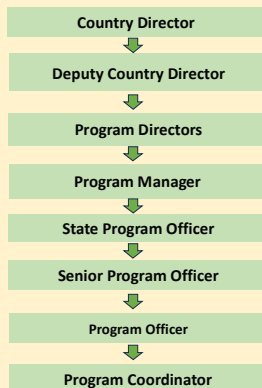
VISION

Self-reliant countries, healthy families and resilient communities. All women and families, regardless of where they live, having equitable access to high-quality, lifesaving health care delivered by competent and caring providers

MISSION

Jhpigo creates and delivers transformative health care solutions that save lives. In partnership with national governments, health experts and local communities, Jhpigo builds health providers' skills and develops systems that save lives now and guarantee healthier futures for women and their families.

ORGANISATION STRUCTURE



PROJECT DESCRIPTION

OBJECTIVES

- Analyse types of deliveries and associated delivery complications and high-risk factors.
- Analyse maternal and newborn health management by Prasav watch application.
- Identify Data Issues(Identify Improvement Areas).

METHODOLOGY

- Study Design – Mixed Method Research Design(Qualitative Methods + Quantitative method)
- Data collection-
 - Quantitative method: Data from Prasav watch application.
 - Qualitative Methods: Transcription audio recordings from district Udaipur, Karauli, Bundi.
- Study Duration- Oct 2023 – April 2024 (6 months data).

DATA ANALYSIS & RESULT

Out of 21,100 total deliveries, there were 306 complicated delivery cases were found and 20,794 delivery cases were found non-complicated.

In case of normal delivery, there were 16,106 non-complicated cases and 248 complicated delivery cases.

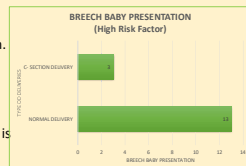
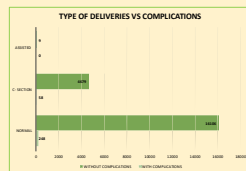
In case of C-section delivery, there were 4,679 non-complicated cases and 58 complicated delivery cases.

In case of assisted delivery, there were 9 delivery cases, all of which were non-complicated.

In SDH, DH, and MCH facilities in the districts of Bundi, Karauli, and Udaipur in Rajasthan, the data of the Prasav Watch for the 6 months(from October 2023 to April 2024), shows a total of 165 entries for baby presentation in pregnant women. Out of these:- 1)Cephalic presentation: 149 2)Breech presentation: 16

RESULT:- There are 16 babies with breech presentation, (**which is considered a high-risk pregnancy condition**).

Among these, 13 deliveries were normal, while 3 were C-section deliveries, which is a very uncommon condition to occur. Normal deliveries are *not common* during a breech presentation.



CONCLUSION

The data suggesting more normal deliveries with complications is inaccurate because C-sections are typically recommended in cases of maternal complications. Therefore, expecting a higher incidence of normal deliveries in such cases does not align with medical recommendations.

Additionally, a significant number of normal deliveries recorded during breech conditions, (**which is considered high-risk pregnancy condition**) points to potential data entry errors or inconsistencies. Given the rarity and risk associated with normal deliveries in breech presentations, this raises concerns about maternal and child healthcare management. This highlights data inaccuracies and improvements in healthcare practices, particularly for high-risk conditions, considering the large dataset of 45,246 entries.

STRENGTH

- Pioneer organization in Maternal and Child Healthcare in India.
- Diversification.
- Integration of Technology.
- Liaison with State and Central Government.

WEAKNESS

- Dependence on funding.
- Coverage is less across the country.
- Dependency on local health infrastructure.

OPPORTUNITIES

- Public-Private Partnership.
- Technological advancements.
- Focusing on new areas like climate change adaptation and integration of mental health services helps the organization to sustain globally.

SWOT ANALYSIS

THREATS

- Economic fluctuations.
- Regulatory Changes.
- Competition from other organizations.



DIFFERENCE BETWEEN THEORETICAL AND PRACTICAL EXPOSURE

- Theoretically, I studied a lot about healthcare system, which when comes to practical implementation becomes a little difficult and more resource consumption as compared to written things.
- Theoretically it's easy to run any program in documents but practically at ground level it differs in criteria like the population where it's to be implemented ,place and behaviour of the staff.

CHALLENGES

- Undefined and poorly specified roles and responsibilities.
- Restrictions on field visits.
- Discrepancy between classroom learnings and practical application.

LEARNINGS

- Provided me the practical knowledge of how the digital portals work like Prasav Watch Application.
- Learnt to draft literature review.
- Learnt data entry, cleaning and analysis.
- Learnt secondary data compilation.
- Transcription of Focus group interviews and semi structured interview also did Thematic Analysis.
- Practical knowledge enhancement.

USEFULNESS

- Understanding the operations of public health organizations.
- Practical experience enhances understanding and skill development.
- Improving my technical skills.
- Building a network.

SUGGESTIONS TO ORGANIZATION

- Ensure adequate monitoring of data entered into the Prasav Watch Application.
- Provide regular training for healthcare providers involved in ARS-ICOC, as it is essential.
- Increase interdepartmental interaction among employees.
- Ensure proper data entries, and if errors occur, reevaluate the reasons for these issues and correct them promptly.

WEEKLY REPORT

Name of the Organisation: Jhpiego

Area/ Department/ Project of Summer Internship Program: N/A

Name of the Student: Dr. Shubhi Mishra

Roll no: IIHMR-U/01/2023-25/1841 **Stream:** MBA- Hospital and Health Management

Week no: 1

From: 01/05/2024 TO 03/05/2024

Activity Done	• Rovin Sharma (State Program Officer at Jhpiego) tasked us with search and compile all the digital portals and sources of data that fall under the national health program, including the incentives provided by the program. • Then induction session was done by Dr. Yashpal sir and Dr. CS Joshi sir. • Literature Review and detailed information on Tuberculosis in pregnant women in India. its effect on mother and children. Diagnosis: - 1)History 2)General examination 3)screening 4)Confirmatory test • Management protocol at: - 1)ASHA level 2. ANM level 3. MO level 4. Specialist level • Literature Review on “Prevalence of Tuberculosis in pregnant women from different articles.”
Linking theory (Classroom learning) with practice at your organisation	• As I attended my lecture on the National Health Program, I now have a better understanding of all the national health programs that are assisting me here. • I conducted a documentation-based research assignment in my classroom, (which involved reviewing existing research papers). So, I can also link to this assignment for my task given by organization mentor.
Gaps identified on the working area.	• Right now, I am in learning phase, currently I feel like there is no such gaps.
Suggestions for improvement	• As of now no, as such suggestions.
Plan for the next week	• will continue working on week no.-1.

Signature of the Student: Dr. Shubhi Mishra

WEEKLY REPORT

Name of the Organisation: Jhpiego

Area/ Department/ Project of Summer Internship Program: Maternal and Child Healthcare

Name of the Student: Dr. Shubhi Mishra

Roll no: 1841

Stream: MBA- Hospital and Health Management

Week no: 2

From: 06/05/2024 TO 10/05/2024

Activity Done	- Continued working on Literature Review and detailed information on Tuberculosis in pregnant women in India. its effect on mother and children. Diagnosis: - 1) History 2) General examination 3) screening 4) Confirmatory test Management protocol at: - 1. ASHA level 2. ANM level 3. MO level 4. Specialist level - Continued research/Literature Review on Tuberculosis prevention during pregnancy, including its incidence, antenatal and postnatal care, and effects on the mother. - Reviewed articles regarding all barriers that occur while accessing antenatal care (ANC) services. - Also, I added more points to my previous work related to Tuberculosis in pregnancy, including its effects, diagnosis, and management, as well as the incidences and prevalence of TB in pregnant women. - Detailed review on “journey of pregnant woman “at public health level. All steps of woman at their reproductive age group (i.e., 14-49age) 1. Pre pregnancy stage 2. Intra partum 3. Post partum - Gathered all the information on antenatal care from a public health perspective, including details on government schemes, public health contributions, and guidelines that ensure ANC.
Linking theory (Classroom learning) with practice at your organisation	- All the NHP lectures and classes are really helpful as I am able to connect NHP classes with organization. - Did secondary data review and document-based research in Jhpiego organization which I can link with RESEARCH METHODS classes where we did secondary research assessments.
Gaps identified on the working area.	At my internship working area (Jhpiego organization), research/work is more practical-based, whereas in the classroom, it tends to be more theoretical. Need to emphasize on practical based research/work. So, it will be easier for students get easily adapted in organization culture.
Suggestions for improvement	NO, but need to emphasise more on practical based work rather than theoretical based.
Plan for the next week	will continue working on week no.-1,2 both.

Signature of the Student: Dr. Shubhi Mishra

WEEKLY REPORT

Name of the Organisation: Jhpiego

Area/ Department/ Project of Summer Internship Program: Maternal and Child Healthcare

Name of the Student: Dr. Shubhi Mishra

Roll no: 1841

Stream: MBA- Hospital and Health Management

Week no: 3

From: 13/05/2024 TO 17/05/2024

Activity Done	• Transcription (of audio to text) for the field visits at Udaipur, Rajasthan for the interviews and focus groups discussions related to Prasav watch. • Literature review on ANC provided by midwife and hospital. • Data entry on excel sheet on ASMAN USER LIST (health care providers) Format (MCH MAHILA). • Transcription for field visits at Bundi, Rajasthan related to Prasav watch. • Did secondary research on Health system analysis of malaria prevention and management in pregnant women case study in Dindori, MP under headings -Title, Author, publication year, Objective, Study design, Sample size, Result of low birth weight, Conclusion. • Transcription for 12 recordings of focus groups discussion and semi structured interviews of Bundi district and Udaipur city. • Secondary research on Time motion study.
Linking theory (Classroom learning) with practice at your organisation	• Able to link all government projects run by public health organizations with the theoretical lectures of NHP classes. • Did secondary data review and document-based research in Jhpiego organization which I can link with RESEARCH METHODS classes where we did secondary research assessments.
Gaps identified on the working area.	• At my internship working area (Jhpiego organization), research is more practical-based, whereas in the classroom, it tends to be more theoretical.
Suggestions for improvement	• Classes must be more practical-based rather than theoretical, making it easier for students to grasp concepts and apply them in the working environment. • The college needs to incorporate skill-based courses, such as Excel, Power BI, statistics, and presentation skills, into its value-added programs. These skills are beneficial in work fields like public health.
Plan for the next week	• Will continue working on week no.- 1,2,3both. • Will discuss more details about project needed in college with org. mentor.

Signature of the Student: Dr. Shubhi Mishra

WEEKLY REPORT

Name of the Organisation: Jhpiego

Area/ Department/ Project of Summer Internship Program: Maternal and child healthcare

Name of the Student: Dr. Shubhi Mishra

Roll no: 1841

Stream: MBA- Hospital and Health Management

Week no: 4

From: 20/05/2024 TO 24/05/2024

Activity Done	• Studied concepts of Thematic Analysis, including steps such as familiarization, coding, theme generation, review, definition, and naming, for the transcriptions done at field visits. • Applied all learned concepts/ methods of Thematic Analysis on interviews that are semi-structured and focus grouped with healthcare providers from Bundi district, Udaipur city. And created codes for all Transcription. • Did secondary research on Health system analysis of malaria prevention and management in pregnant women case study in Dindori, MP under the headings -Title, Author, publication year, Objective, Study design, Sample size, Result of low birth weight, Conclusion. • Studied basic concept of Stata software, focusing on qualitative analysis techniques and data visualization methods. • Did two more Transcription (audio to text) for the district Bundi, Rajasthan.
Linking theory (Classroom learning) with practice at your organisation	• In my role at Jhpiego, I conducted secondary data reviews, literature reviews, and document-based research, which I can directly relate to my Research Methods classes where we completed similar secondary research and literature review assignments.
Gaps identified at working area.	• Lack of official field visits at all level of facilities.
Suggestions for improvement	• There should mandate field visits at PHC, CHCs, and other relevant facilities, to enhance practical learning experiences for student.
Plan for the next week	• Will continue working on Thematic Analysis.

Signature of the Student: Dr. Shubhi Mishra

WEEKLY REPORT

Name of the Organisation: Jhpiego

Area/ Department/ Project of Summer Internship Program: Maternal And child healthcare

Name of the Student: Dr. Shubhi Mishra

Roll no: 1841

Stream: MBA- Hospital and Health Management

Week no: 5

From: 27/05/2024 TO 31/05/2024

Activity Done	• Did the previous week work on Thematic analysis on interviews that are semi-structured and focus grouped with healthcare providers from Bundi district, Udaipur city of Rajasthan. • Worked directly with case registry and record keeping on the Prasav Watch App platform. • Completed a practice/ training session on connecting IoT devices with the Prasav Watch application on a tablet. • Made graphs/charts for the data collected from STATA for the semi structured interviews and focus group discussion Bundi and Udaipur.
Linking theory (Classroom learning) with practice at your organisation	• I transcribed interviews that are semi-structured and focus grouped with healthcare providers of field visits related to Prasav Watch Application, this practical experience complements the theoretical knowledge gained in classes on qualitative research methods and data analysis. • Lectures on health policy have enhanced my understanding of the regulatory environment of public health, the public health system, and the various types of facilities involved.
Gaps identified on the working area.	• At my internship working area (Jhpiego organization), research is more practical-based, whereas in the classroom, it tends to be more theoretical. • At my workplace, much of the work, such as with Prasav Watch Application, is digitally oriented. As public health increasingly focuses on the digital era. Which I found there is lack of digitalization at academic's curriculum.
Suggestions for improvement	• Classes must be more practical-based rather than theoretical, making it easier for students to grasp concepts and apply them in the working environment. • Colleges need to incorporate digital technology and related awareness into their curriculum.
Plan for the next week	• Will continue working on project.

Signature of the Student: Dr. Shubhi Mishra

WEEKLY REPORT

Name of the Organisation: Jhpiego

Area/ Department/ Project of Summer Internship Program: Maternal and child healthcare

Name of the Student: Dr. Shubhi Mishra

Roll no: 1841

Stream: MBA- Hospital and Health Management

Week no: 6

From: 03/06/2024 TO 07/06/2024

Activity Done	• Compiled a list of users (healthcare providers) those who are entering data in Prasav Watch Application from the districts of Pali, Bikaner, Udaipur, and Churu. • Analysed and extract all the data on excel on <i>HMSC-approved projects</i> to find out who the main researchers are, which agencies are funding the projects, and how long each project lasts. This detailed look helped reveal patterns in funding and leadership, as well as giving a clear picture of the timelines for these scientific projects. • Worked on the project 'does Digital lead to better monitoring of vital parameters at the time of admission in SDH, DH, Medical college hospital. Searching for the gap from different aspects from the data of 6 months of Prasav watch application entries at all type of facilities of district Bundi. Karauli, Udaipur given by organization • Did Transcription (in their regional language, as it is) for field visits at Bundi, Rajasthan related to Prasav watch.
Linking theory (Classroom learning) with practice at your organisation	• Able to link all government projects run by public health with the NHP lectures. • Communication planning and management (CPM) lectures in college are crucial for practical applications in public health. The use and importance of IEC MATERIAL (Information, Education, and Communication) is essential for educating remote populations about health schemes and Benefits in an easiest way.
Gaps identified on the working area.	• Lack of official field visits at all level of facilities.
Suggestions for improvement	• There should mandate field visits at PHC, CHCs, and other relevant facilities, to enhance practical learning experiences for student. • Additionally, it's important to have experts explain various work fields to students, making it easier for them to understand which fields are important and what kind of expertise is required.
Plan for the next week	• Will continue working on this - Digital lead to better monitoring of vital parameters at the time of admission in SDH, DH, Medical college hospital. Searching for the gaps.

Signature of the Student: Dr. Shubhi Mishra

WEEKLY REPORT

Name of the Organisation: Jhpiego

Area/ Department/ Project of Summer Internship Program: Maternal and child healthcare

Name of the Student: Dr. Shubhi Mishra

Roll no: 1841

Stream: MBA- Hospital and Health Management

Week no: 7

From: 10/06/2024 TO 14/06/2024

Activity Done	• Conducted data mining on the Prasav Watch (digital data entries Application) identified complications in mothers. Determined the number of mothers who underwent different types of deliveries, such as C-sections, normal deliveries. • Analysing and created an Excel sheet listing users (healthcare providers) those who are entering data in Prasav Watch Application from the districts of Pali, Bikaner, Udaipur, and Churu. • Did Transcription (in their regional language, as it is) for field visits at Udaipur, Rajasthan related to Prasav watch. • Analysed and extract all the data on excel on HMSC-approved projects to find out who the main researchers are, which agencies are funding the projects, and how long each project lasts.
Linking theory (Classroom learning) with practice at your organisation	• Effective communication is crucial for educating and engaging populations, especially in remote areas, as taught in communication planning and management lectures and organizational behaviour classes. • The National Health Program (NHP) lectures and classes have been extremely beneficial, allowing me to connect classroom learning with practical applications in organizations. I've been able to directly relate government-run public health projects to the concepts discussed in the NHP lectures.
Gaps identified on the working area.	• At my organization (Jhpiego) data analysis is a fundamental skill used for monitoring, evaluating, and improving health programs. So due to insufficient basic knowledge in data analysis, unable to perform well in organizations.
Suggestions for improvement	• It is essential to incorporate courses like Data Analytics, which are in high demand in the public health sector. Ensuring students are equipped with the necessary skills to analyse and interpret data effectively in real-world scenarios.
Plan for the next week	• Will continue working on project.

Signature of the Student: Dr. Shubhi Mishra

WEEKLY REPORT

Name of the Organisation: Jhpiego

Area/ Department/ Project of Summer Internship Program: Maternal and child healthcare

Name of the Student: Dr. Shubhi Mishra

Roll no: 1841

Stream: MBA- Hospital and Health Management

Week no: 8

From: 17/06/2024 TO 21/06/2024

Activity Done	• Did extraction and compilation of all data on Excel sheet listing healthcare providers (users of Prasav watch application) from the districts of Pali, Bikaner, Udaipur, and Churu. • Worked on the project 'does Digital lead to better monitoring of vital parameters at the time of admission in SDH, DH, Medical college hospital. Searching for the gap from different aspects from the data of 6 months of Prasav watch application entries at all type of facilities of district Bundi. Karauli, Udaipur given by organization • Analysing and created an Excel sheet listing users (healthcare providers) those who are entering data in Prasav Watch Application from the districts of Pali, Bikaner, Udaipur, and Churu.
Linking theory (Classroom learning) with practice at your organisation	• Effective communication is crucial for educating and engaging populations, especially in remote areas, as taught in communication planning and management lectures and organizational behaviour classes. • Able to link all government projects and schemes run by public health with the NHP lectures.
Gaps identified on the working area.	• At my organization (Jhpiego) data analysis is a fundamental skill used for monitoring, evaluating, and improving health programs. Also, Stata for data management, statistical analysis and visualizations. So due to insufficient basic knowledge in data analysis, unable to perform well in organizations.
Suggestions for improvement	• It is essential to incorporate basic knowledge/courses like Data Analytics, Stata. which are in high demand in the public health sector. Ensuring students are equipped with the necessary skills to analyse and interpret data effectively in real-world scenarios.
Plan for the next week	• Will continue working on project.

Signature of the Student: Dr. Shubhi Mishra

WEEKLY REPORT

Name of the Organisation: Jhpiego

Area/ Department/ Project of Summer Internship Program: Maternal and child healthcare

Name of the Student: Dr. Shubhi Mishra

Roll no:1841

Stream: MBA- Hospital and Health Management

Week no: 9

From: 24/06/2024 TO 28/06/2024

Activity Done	- Continued worked on the project – Evaluation of type of deliveries and associated complications and high-risk factors recorded in Prasav Watch (6months data). (Searching and comparing gaps for project on rough bases.) - Did extraction and compilation of all data on users list (healthcare providers) those entering data in Prasav watch application from the district Pali, Bikaner, Udaipur, and Churu of Rajasthan. - Started working on poster for the summer internship program.
Linking theory (Classroom learning) with practice at your organisation	Effective communication is crucial for educating and engaging populations, especially in remote areas, as taught in communication planning and management lectures and organizational behaviour classes.
Gaps identified on the working area.	Lack of official field visits at all level of facilities.
Suggestions for improvement	There should mandate field visits at PHC, CHCs, and other relevant facilities, to enhance practical learning experiences for student.
Plan for the next week	Will continue working on poster making.

Signature of the Student: Dr. Shubhi Mishra



COMPILED REPORT OF SUMMER INTERNSHIP

Name of the Organisation: Jhpiego

Area/ Department/ Project of Summer Internship Program: Maternal and child healthcare

Name of the Student: Dr. Shubhi Mishra

Roll no: IIHMR-U/01/2023-25/1841

Stream: MBA- Hospital and Health Management

Activity Done	• Mr. Rovin Sharma (State Program Officer at Jhpiego) asked to review literature and search and compile all the details on digital portals and sources of data that fall under the national health program, including the incentives provided by the program. • Worked on Literature Review and gathered detailed information on Tuberculosis in pregnant women in India. its effect on mother and children. <i>Diagnosis:</i> - 1) History 2) General examination 3) screening 4) Confirmatory test <i>Management protocol at:</i> - 1. ASHA level 2. ANM level 3. MO level 4. Specialist level. • Reviewed articles regarding all barriers that occur while accessing antenatal care (ANC) services. • Literature Review related to Tuberculosis in pregnancy, including its effects, diagnosis, and management, as well as the incidences and prevalence of TB in pregnant women. • Detailed review on “journey of pregnant woman “at public health level. All steps of woman at their reproductive age group (i.e., 14-49age) 1. Pre pregnancy stage 2. Intra partum 3. Post partum • Gathered all the information on antenatal care (ANC) from a public health perspective, including details on government schemes, public health contributions, and guidelines that ensure ANC. • Transcription (of audio to text) for the field visits at Udaipur city, Bundi district of Rajasthan for the semi structured interviews and focus groups discussions related to Prasav watch application. • Literature review on ANC provided by midwife and hospital. • Data entry on excel sheet on ASMAN USER LIST (health care providers) Format (MCH MAHILA). • Did secondary research on Health system analysis of malaria prevention and management in pregnant women case study in Dindori, MP under the headings -Title, Author, publication year, Objective, Study design, Sample size, Result of low birth weight, Conclusion.
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	• Secondary research on Time motion study. • Studied concepts of Thematic Analysis, including steps such as familiarization, coding, theme generation, review, definition, and naming, for the transcriptions done at field visits. • Applied all learned concepts/ methods of Thematic Analysis on interviews that are semi-structured and focus grouped with healthcare providers from Bundi district, Udaipur city. And created codes for all Transcription. • Hands-on session and training with case registry and record keeping on the Prasav Watch App platform. • Did a practice/ training session on connecting IoT devices with the Prasav Watch application on a tablet. • Compiled the detailed list of users (healthcare providers) those who are entering data in Prasav Watch Application from the districts of Pali, Bikaner, Udaipur, and Churu. • Analysed and extract all the data on excel on <i>HMSC-approved projects</i> to find out who the main researchers are, which agencies are funding the projects, and how long each project lasts. This detailed look helped reveal patterns in funding and leadership, as well as giving a clear picture of the timelines for these scientific projects. • Studied basic concept of Stata software, focusing on qualitative analysis techniques and data visualization methods. • Made graphs/charts for the data collected from STATA for the semi structured interviews and focus group discussion Bundi and Udaipur. • Did Transcription (in their regional language, as it is) for field visits at Bundi, Rajasthan related to Prasav watch. • Worked on the project does Digital lead to better monitoring and Conducted data mining on the Prasav Watch (digital data entries Application) identified complications in mothers. Determined the number of mothers who underwent different types of deliveries, such as C-sections, normal deliveries. Searching for the gap from different aspects from the data of 6 months of Prasav watch application entries at all type of facilities of district Bundi. Karauli, Udaipur given by organization. • Continued worked on the project – Evaluation of type of deliveries and associated complications and high-risk factors recorded in Prasav Watch (6months data). (Searching and comparing gaps for project on rough bases.) • Started working on poster for the summer internship program.
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Linking theory (Classroom learning) with practice at your organisation	• The National Health Program (NHP) lectures and classes have been extremely beneficial, allowing me to connect classroom learning with practical applications in organizations. I've been able to directly relate government-run public health projects to the concepts discussed in the NHP lectures. • In my role at Jhpiego, I conducted secondary data reviews, literature reviews, and document-based research, which I can directly relate to my Research Methods classes where we completed similar secondary research and literature review assignments. • Lectures on health policy have enhanced my understanding of the regulatory environment of public health, the public health system, and the various types of facilities involved. • I transcribed interviews that are semi-structured and focus grouped with healthcare providers of field visits at Bundi, Udaipur districts of Rajasthan. related to Prasav Watch Application, this practical experience complements the theoretical knowledge gained in classes on qualitative research methods and data analysis. • Communication planning and management (CPM) lectures in college are crucial for practical applications in public health. The use and importance of IEC MATERIAL (Information, Education, and Communication) is essential for educating remote populations about health schemes and Benefits in an easiest way. • Effective communication is crucial for educating and engaging populations, especially in remote areas, as taught in communication planning and management lectures and organizational behaviour classes.
Gaps identified on the working area.	• At my internship working area (Jhpiego organization), research is more practical-based, whereas in the classroom, it tends to be more theoretical. • Lack of official field visits at all level of facilities. • At my workplace, much of the work, (such as with Prasav Watch Application), is digitally oriented. As public health increasingly focuses on the digital era. Which I found there is lack of digitalization at academic's curriculum. • At my organization (Jhpiego) data analysis is a fundamental skill used for monitoring, evaluating, and improving health programs. Also, Stata for data management, statistical analysis and visualizations. So due to insufficient basic knowledge in data analysis, and Stata, unable to perform well in organizations. • Skills like Excel, Presentation skills, power BI are required in public health sectors (Jhpiego organization).
Suggestions for improvement	• Classes must be more practical-based rather than theoretical, making it easier for students to grasp concepts and apply them in the working environment. • Needs to incorporate skill-based courses, such as Excel, Power BI, statistics, and presentation skills, into its value-added

	programs. These skills are beneficial in work fields like public health. • There should mandate field visits at PHC, CHCs, and other relevant facilities, to enhance practical learning experiences for student. • Additionally, it's important to have experts explain various work fields to students, making it easier for them to understand which fields are important and what kind of expertise is required. • Need to incorporate digital technology and related awareness into their curriculum. • It is essential to incorporate basic knowledge/courses like Data Analytics, Stata. which are in high demand in the public health sector. Ensuring students are equipped with the necessary skills to analyse and interpret data effectively in real-world scenarios.
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Signature of the Student: Dr. Shubhi Mishra..

Approved by the IIHMR University's Mentor

SUMMER INTERNSHIP COMPILED REPORT-SHUBHI MISHRA-1841.docx

ORIGINALITY REPORT

0%

SIMILARITY INDEX

0%

INTERNET SOURCES

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PUBLICATIONS

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STUDENT PAPERS

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