

SUMMER INTERNSHIP PROGRAM

at

JHPIEGO, Rajasthan

From 1st May 2024 to 30th June 2024

A REPORT BY

DR. SIMRAN CHANDWANI

Master of Business Administration

Health and Hospital

2023-25

under the Mentorship of

**Dr. Sanjay Gupta
Professor and Dean, IHMR**



July 02, 2024

CERTIFICATE OF INTERNSHIP

This is to certify that Dr. Simran Chandwani has completed her internship with Jhpigo 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.

Simran'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 Jhpigo

Vidya Tulsidharan

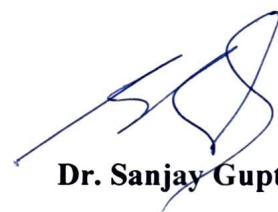
Ms. Vidya Tulsidharan
Director: HR

IIHMR University Faculty Mentor Approval

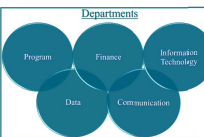
This is to certify that **Dr. Simran Chandwani** of the academic year 2023-25 of **INSTITUTE OF HEALTH MANAGEMENT RESEARCH** has prepared a poster with respect to her summer internship held during May-June 2024.

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

Date: 22 July 2024

A handwritten signature in blue ink, appearing to be 'Dr. Sanjay Gupta'.

Dr. Sanjay Gupta
Professor & Dean
IIHMR University, Jaipur



ORGANIZATION STRUCTURE



Jhpiego is a nonprofit organization for international health affiliated with Johns Hopkins University. Originally known as the Johns Hopkins Program for International Education in Gynecology and Obstetrics, the organization was funded through the United States Agency for International Development (USAID). Since its founding in 1973, Jhpiego has been innovating to save the lives of women and families worldwide. Jhpiego began working in India in the 1980s, collaborating with the Ministry of Health and Family Welfare (MoHFW), Government of India (GoI), to strengthen reproductive health services.



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.

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

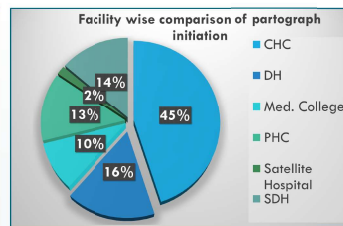
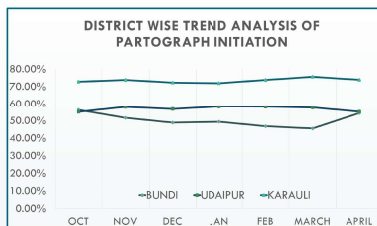


Objectives:

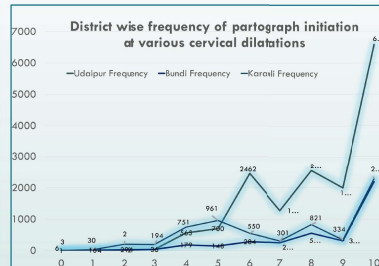
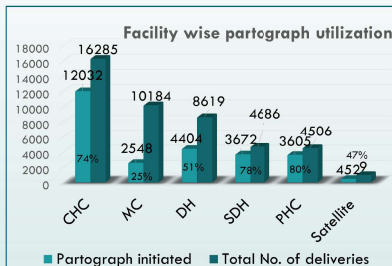
- Identifying the digital partograph adoption trends in Udaipur, Bundi, and Karauli districts of Rajasthan over the past seven months, from October 2023 to April 2024 using data from Prasav Watch.
- Investigate how partograph initiation rates vary among different healthcare facilities.
- To examine trends in digital partograph initiation at different cervical dilation levels.

Sample size = 45,246
Software used = STATA

PROJECT



Type of facility	Partograph initiation %age
CHC	45%
DH	16%
SDH	14%
PHC	13%
Medical College	10%
Satellite Hospital	2%
N	26713



Challenges faced:

- Managing a large, inconsistent dataset.
- Inability to verify data against reality.
- Learning new tools like STATA.

Usefulness of Internship:

- Networking
- Practical exposure
- Skill development
- Understanding how public health organizations operate.



Results:

- The data shows partographs were initiated for 59% of deliveries, but not for the remaining 41%.
- The partograph initiation rates varied across districts in Rajasthan, ranging from 50.51% in Bundi, 57% in Udaipur to 73.3% in Karauli. Notably, Karauli district had the highest initiation rate.
- The trend analysis in the three districts shows that the rates have remained relatively constant
- Data shows partograph initiation rates are highest at Primary Health Centers (PHCs) at 80%, followed by Sub-District Hospitals (SDHs) at 78% and CHCs at 74%.

Notably, these frontline facilities outperform higher-level facilities like District Hospitals (DHs) at 51%, Community Health Centers (CHCs) at 74%. Medical Colleges (25%) and Satellite Hospitals (47%).

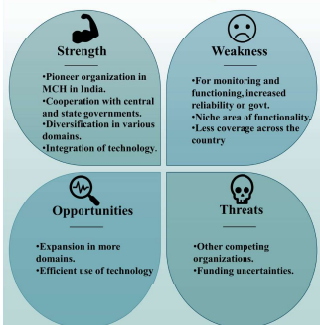
Analysis of cervical dilatation data from three districts shows a consistent increase in partograph initiation as women progress through labor i.e., 0 to 10 cervical dilation.

Among 452 identified maternal complications.

For obstructed labor, partographs were initiated in 23 (66%) of the 35 cases identified.

For prolonged labor, partographs were initiated in 6 (6%) of the 9 cases identified.

SWOT Analysis



Difference between theoretical learning and practical exposure:

- Theoretical knowledge was a stepping stone for all the tasks.
- It helped in creating engaging and influential IEC materials.
- Without prior knowledge of data analytics, I learned the tools through practical use.
- Grassroots public health requires practical skills.

Learnings:

- Understanding the structure and functioning of public health organizations at local, national, and international levels.
- Developing IEC materials and writing research reports.
- Acquiring knowledge about ARS-icoc and Prasav Watch and their roles in enhancing healthcare access.
- Data analysis using STATA and MS Excel.

Suggestions:

- Adequate monitoring of consistent data entry.
- Providing regular training for healthcare providers involved in ARS-icoc.
- Improving interdepartmental communication.

Weekly Report

Name of the Organization: JHPIEGO (Rajasthan)

Area/ Department/ Project of Summer Internship Program: - Maternal & Child Health

Name of the Student: Dr. Simran Chandwani

Roll no: 1843

Stream: Healthcare & Hospital

Week no: 1

From: 1-5-2024 to 3-5-2024

Activity Done	-Introduced by State program officer Mr. Rovin Sharma. -Briefed by the Director of JHPIEGO, Rajasthan Dr. Yashpal Jain about the ongoing - MCH & antenatal projects and working of JHPIEGO in India. -Given a choice between analysis & literature review for the project. -Work done: 1. Listing of all the National Health Programs, reporting of cases/people under them to the government whether manually or any digital portal (monitoring & surveillance). Also to mention if any incentives are being provided under the program. 2. Volunteered along with one of my colleagues for working with the state program officer in a project, where a report was prepared on PPTCT, differentiating services provided at various levels of healthcare i.e., by ANM, ASHA, MO & specialty care.
Linking theory (Classroom learning) with practice at your organization	- During the NHP module, I learned about various programs and their beneficiaries and what circumstances led to the launch of those programs.
Gaps identified on the working area.	During lectures, only gained the knowledge through the teacher's perspective, but during this work I delved into it and surfed the dashboards and portals for every program which gave me an insight about how these programs work and how government is getting the statistics from the grass root level.

Weekly Report

Suggestions for improvement	Much practical knowledge is needed for understanding public health at the grass root levels. We need to think how the National Health Programs work and become successful, rather than just listening to limited information taught during the lectures.
Plan for the next week	- To read about 2 apps created by JHPIEGO i.e., Born Healthy & Prasav Watch that will be discussed in the coming week.

Signature of the Student: Dr. Simran Chandwani

Approved by the IIHMR University's Mentor

Weekly Report

Name of the Organization: JHPIEGO (Rajasthan)

Area/ Department/ Project of Summer Internship Program: - Maternal & Child Health

Name of the Student: Dr. Simran Chandwani

Roll no: 1843

Stream: Healthcare & Hospital

Week no: 2

From: 6-5-2024 to 10-5-2024

Activity Done	- Formulation of differential care package (Care provided by ASHA, ANM, MO & Specialist care) for HIV in pregnancy and newborn child. - Formulated a Pregnancy Nutrition Tracker format to track malnutrition during pregnancy. It will also include information on referral and compilation of that data. - Formulated a tool for FGD regarding “Barriers and facilitators in availing ANC nutrition services by pregnant women”. - A group discussion was conducted with all the interns by Communication & Documentation Officer on the pros and cons of LinkedIn. - We visited every department to learn about various positions at Jhpiego, after which we created an organization structure with the help of organogram. - We read about ANC for pregnant women after receiving a briefing on the same. - Created FAQs on “FMC infusion to prevent anemia in pregnant women” with the help of NHM, Rajasthan guidelines
Linking theory (Classroom learning) with practice at your organization	We learned about various methods of data collection for primary research in Research Methodology classes, out of which one was FGD. Also, we learned how in a FGD in depth opinions are gained with the help of probing questions. In NHP classes we learned about continuum of care, so I was able to link the referral system through that.
Gaps identified on the working area.	During lectures, only gained the knowledge through the teacher’s perspective, but during this work I delved into it, read the national guidelines. Also, during classes only theoretical knowledge was gained, but by creating these tools and materials I was able to gain technical skills and how the public health goals are achieved.

Weekly Report

Suggestions for improvement	Much practical knowledge is needed for understanding public health at the grass root levels. We need to think how the National Health Programs work and become successful, rather than just listening to limited information taught during the lectures. Also, the assignments created during classes should be more practical like IEC material, FGD tools, etc. rather than only presentations.
Plan for the next week	- To read about ANC of pregnant women and continuum of care. - To read about healthcare delivery system for ANC of pregnant women. - Creating a presentation on "FMC infusion to prevent anemia and it's complications in pregnant women"

Signature of the Student: Dr. Simran Chandwani

Approved by the IIHMR University's Mentor

Weekly Report

Name of the Organization: JHPIEGO (Rajasthan)

Area/ Department/ Project of Summer Internship Program: - Maternal & Child Health

Name of the Student: Dr. Simran Chandwani

Roll no: 1843

Stream: Healthcare & Hospital

Week no: 3

From : 13-5-2024 to 17-5-2024

Activity Done

- Created FAQs on “FMC infusion to prevent anemia in pregnant women” with the help of NHM, Rajasthan guidelines and drafted the initial document.
- Data entry for the primary research conducted for feedback evaluation of Prasav Watch in 3 districts of Rajasthan namely Udaipur, Bundi & Salumbar.
- Transcription of semi structured interviews and focused group discussions of doctors and nurses working in labor rooms, conducted for feedback evaluation of Prasav Watch in those 3 districts of Rajasthan.
- Data mining through the Prasav Watch portal for the no. of deliveries occurring at each facility where Prasav Watch is active for FY 2023-24.
- Compared the above data with the already available PTCS data and found the % error between both.
- Analysis of the gaps between both the data at different facility levels and its causes.
- Assisted in secondary research to prove that delivery load increases during Jun-Aug & Nov-Dec.
- Assisted in secondary research for the causes of reduced ANC provided by midwives & its effects, ANC provided by midwives in hospitals, time motion study of healthcare providers.
- Assisted in secondary research for the topic, “%age of complications happening in intrapartum period.”
- We were briefed about the various programs of Jhpiego in India & Rajasthan since its inception and how they are coordinating with the Govt. Of Rajasthan by Dr. Shivangi (PO).
- Created different analysis criteria with the help of given set of variables which will help in analysis of the data collected.
- Given the following topic for review of literature: What are the types and frequencies of complications experienced and what are the subsequent pregnancy outcomes observed among pregnant women diagnosed with sickle cell disease.”

Weekly Report

Linking theory (Classroom learning) with practice at your organization	We learned about various methods of data collection for primary research, reviewing the literature in Research Methodology classes. In NHP classes, we learned about “Anaemia Mukht Bharat Abhiyaan,” and various treatments available to treat anaemia.
Gaps identified on the working area.	During lectures, I only gained the knowledge through the teacher’s perspective, but during this work I delved into it, read the national guidelines. Also, during classes only theoretical knowledge was gained, but by creating these tools and materials I was able to gain technical skills and how the public health goals are achieved.
Suggestions for improvement	Much practical knowledge is needed for understanding public health at the grass root levels. We need to think how the National Health Programs work and become successful, rather than just listening to limited information taught during the lectures. Also, the assignments created during classes should be more practical like IEC material, tools, etc. rather than only presentations.
Plan for the next week	- Assisting in secondary research of the topic given. - Reviewing of literature

Signature of the Student: Dr. Simran Chandwani

Approved by the IIHMR University’s Mentor

Weekly Report

Name of the Organization: JHPIEGO (Rajasthan)

Area/ Department/ Project of Summer Internship Program: - Maternal & Child Health

Name of the Student: Dr. Simran Chandwani

Roll no: 1843

Stream: Healthcare & Hospital

Week no: 4

From: 20-5-2024 to 24-5-2024

Activity Done	- Improvement and addition of FAQs on “FMC infusion to prevent anemia in pregnant women.” - Read about the success story of Prasav Watch in District Hospital, Bundi. - Transcription of semi structured interview of Dr. O.P. Samar, CMHO, District Hospital, Bundi about success of Prasav Watch in DH, Bundi. - Formulated an initial draft on the “Success story of Prasav Watch in DH, Bundi.” - Qualitative analysis through thematic analysis of FGDs and semi structured interviews which were earlier transcribed for the feedback evaluation research of Prasav Watch in 3 districts of Rajasthan. - Read various success stories at Jhpiego’s website which helped in improving the success story draft. - Learnt stata for quantitative data analysis. - Comprehensive literature review of PRIs in India, their historic evaluation, various reforms implemented over the years and the multifaceted challenges they continue to face. - Assisted in literature review for the topic “Need to measure haemoglobin of a female post-delivery/before discharge. - Reported the work done till now to the Director of Jhpiego, Rajasthan.
Linking theory (Classroom learning) with practice at your organization	We learnt during the Organization Behavior classes, how change is brought upon in an organization. I understood the change process at DH, Bundi when newer technology was implemented in the form of Prasav Watch. Learnt during the Research methodology classes how different analysis criteria are followed for different data collection methods.
Gaps identified on the working area.	During lectures only theoretical knowledge is imparted, and no practical exposure is provided. More focus should be on VACs like Stata, Data analytics which will prove to

Weekly Report

	be useful in future. Also, during the lectures, assignments should focus on practical learning rather than core theory.
Suggestions for improvement	Much practical knowledge is needed for understanding public health at the grass root levels. More focus should be on VACs like Stata, Data analytics which will prove to be useful in future. Also, during the lectures, assignments should focus on practical learning rather than core theory.
Plan for the next week	- As instructed by you Sir, I will be discussing the topics for secondary review with the mentor at Jhpiego. - Learning more about thematic analysis. - Learning stata for data analytics.

Signature of the Student: Dr. Simran Chandwani

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Weekly Report

Name of the Organization: JHPIEGO (Rajasthan)

Area/ Department/ Project of Summer Internship Program: - Maternal & Child Health

Name of the Student: Dr. Simran Chandwani

Roll no: 1843

Stream: Healthcare & Hospital

Week no: 5

From: 27-5-2024 to 31-5-2024

Activity Done	- Used the Prasav Watch app to enter data and complete various checklists. The app provides notifications for alerts, and it securely saves all the entered data. - Gathered various topics for a secondary review. - Learnt various PowerPoint presentation skills. - Reviewed articles for secondary research on the topic “Prevalence of postpartum depression in India.” - Gathered various variables for secondary review like risk factors, prevalence, outcomes, etc. - Data cleaning of the data collected for primary research on the topic “Evaluation of integration of IoT devices for healthcare improvement during intrapartum period”. - Analysis of the cleaned data with the help of STATA. - Documenting the analysis and creating a report to present the research results. - Creating charts and visuals for the results obtained through data analysis of primary research. - Identifying the tests which can be applied on the results for extracting inferences of descriptive analysis. For e.g.: chi-square test, correlation test, t-test. - Transcription and drafting a report on questions and answers of meeting conducted for procurement of IoT devices through different vendors and agencies. - Filtered data from excel and created tables for analysis of non-functionality of Prasav Watch at various facilities of all the districts of Rajasthan. - Creating visualizations for the above analyzed data.
Linking theory (Classroom learning) with practice at your organization	-We learnt about various tests which can be applied on different types of epidemiological studies. -Also learnt how various keywords are identified for research during research methodology classes. -Also learnt during the Research methodology classes how different analysis criteria are followed for different data collection methods.

Weekly Report

Gaps identified on the working area.	During lectures only theoretical knowledge is imparted, and no practical exposure is provided. More focus should be on VACs like Stata, Data analytics which will prove to be useful in future. Also, better PowerPoint skills should be added to the curriculum. Also, during the lectures, assignments should focus on practical learning rather than core theory.
Suggestions for improvement	Much practical knowledge is needed for understanding public health at the grass root levels. More focus should be on VACs like Stata, Data analytics which will prove to be useful in future. Also, during the lectures, assignments should focus on practical learning rather than core theory.
Plan for the next week	- Literature review for secondary review on the topic “Postpartum depression in India”. - Discussing topics for individual projects of data analysis with organization mentor.

Signature of the Student: Dr. Simran Chandwani

Approved by the IIHMR University’s Mentor

Weekly Report

Name of the Organization: JHPIEGO (Rajasthan)

Area/ Department/ Project of Summer Internship Program: - Maternal & Child Health

Name of the Student: Dr. Simran Chandwani

Roll no: 1843

Stream: Healthcare & Hospital

Week no: 6

From: 3-6-2024 to 7-6-2024

Activity Done	- Review of literature on the topic 'Prevalence, risk factors & consequences of postpartum depression in India' for the purpose of secondary review. - Assigned the project for data analysis on the topic 'Does digital application improves the use of partograph during intrapartum care'. - Read about various features of a partograph, how it helps in making clinical decisions in a timely manner and also eases the handover of care between various healthcare professionals. - Data mining from the data set for the analysis in 3 districts namely Udaipur, Karauli & Bundi. The data set contains data of 7 months from Oct 2023 to Apr 2024. - Various variables for data analysis were noted. - Started with the data analysis i.e., trend analysis of partograph in these 7 months and created charts from the analysis. - Collecting and segregating all the IEC materials available for 'Maternal & Child Health' on the internet for 9 states where Jhpiego is currently active. The materials were collected from NHM & Ministry of Women & Child Development websites. - Collected data for budget allocated to IEC activities for various Maternal & Child Health programs in NHM & MoWCD. - The data was collected from ROPs of 9 states.
Linking theory (Classroom learning) with practice at your organization	-We learnt about basic data analysis & visualization in Excel during demography lectures. - Also learnt about various 'Maternal & Child Health' programs during NHP lectures. - Also learnt about how literature review is carried out for secondary review in Research Methodology classes.
Gaps identified on the working area.	No field visits are being conducted by the organization as currently there is no intervention in the Jaipur district. Also, during the lectures, assignments should focus on practical learning rather than core theory.

Weekly Report

	Also, field visits should be promoted for the students who are interested in Public Health.
Suggestions for improvement	Much practical knowledge is needed for understanding public health at the grass root levels. More focus should be on VACs like Stata, Data analytics which will prove to be useful in future. Also, during the lectures, assignments should focus on practical learning rather than core theory.
Plan for the next week	- Data analysis for the given topic. - Writing introduction for the secondary review article.

Signature of the Student: Dr. Simran Chandwani

Approved by the IIHMR University's Mentor

Weekly Report

Name of the Organization: JHPIEGO (Rajasthan)

Area/ Department/ Project of Summer Internship Program: - Maternal & Child Health

Name of the Student: Dr. Simran Chandwani

Roll no: 1843

Stream: Healthcare & Hospital

Week no: 7

From: 10-6-2024 to 14-6-2024

Activity Done	- Formulated slogans on the topic of 'Maternal nutrition during pregnancy', suitable for IEC materials like posters and hoardings. - Conducted a health facility and district level analysis of partograph use based on data collected through the Prasav Watch application. - Analyzed partograph utilization trends with the help of dataset in Bundi, Udaipur, and Karauli districts of Rajasthan, from October 2023 to April 2024. - Investigated whether using partographs could reduce maternal complications through a comparative analysis. - Developed charts, graphs, or maps to depict the findings from the analyzed data. - Conducted a district-level analysis of partograph initiation rates at different cervical dilatation stages. - Searched for and identified newborn images with congenital defects that resembled those depicted on the Mamta cards. - Developed an initial document outlining Hindi IEC slogans focused on maternal nutrition for pregnant women.
Linking theory (Classroom learning) with practice at your organization	- Learnt to create various visual representations like charts, graphs, etc. from the analyzed data in demography classes. - Learnt how various IEC materials are created which should be influential, engaging, and empowering in Communication Planning & Management lectures. - The assignments done during Communication Planning & Management lectures helped in creating engaging IEC.
Gaps identified on the working area.	- The large volume of data presented a challenge in comprehensively cross-checking it against ground-level information. - To gain the necessary skills for data analysis using Stata, I utilized YouTube tutorials to learn the software and subsequently performed the analysis. - During lectures only theoretical knowledge is imparted, and no practical exposure is provided.

Weekly Report

	- Also, during the lectures, assignments should focus on practical learning rather than core theory.
Suggestions for improvement	Much practical knowledge is needed for understanding public health at the grass root levels. More focus should be on VACs like Stata, Data analytics which will prove to be useful in future. Also, during the lectures, assignments should focus on practical learning rather than core theory.
Plan for the next week	- Improvement of PowerPoint presentation created for data analysis project. - To start working on writing the introduction for article on 'Postpartum depression in India'.

Signature of the Student: Dr. Simran Chandwani

Approved by the IIHMR University's Mentor

Weekly Report

Name of the Organization: JHPIEGO (Rajasthan)

Area/ Department/ Project of Summer Internship Program: - Maternal & Child Health

Name of the Student: Dr. Simran Chandwani

Roll no: 1843

Stream: Healthcare & Hospital

Week no: 8

From: 18-6-2024 to 21-6-2024

Activity Done	- Conducted software transcription of the FGDs and semi-structured interviews of healthcare providers working in labor room for the project of evaluation of Prasav watch application in 3 districts of Rajasthan. - Continued working on the PowerPoint presentation for the analysis report of the dataset analyzed for the digital partograph utilization through Prasav watch application. - Started working on the poster which has to be presented after the completion of summer internship.
Linking theory (Classroom learning) with practice at your organization	- Learnt to create various visual representations like charts, graphs, etc. from the analyzed data in demography classes. - The assignments done during Communication Planning & Management lectures helped in creating engaging IEC.
Gaps identified on the working area.	- The large volume of data presented a challenge in comprehensively cross-checking it against ground-level information. - To gain the necessary skills for data analysis using Stata, I utilized YouTube tutorials to learn the software and subsequently performed the analysis. - During lectures only theoretical knowledge is imparted, and no practical exposure is provided. - For crating engaging presentation, I took help of youtube and google which helped me upskill myself.
Suggestions for improvement	Much practical knowledge is needed for understanding public health at the grass root levels. More focus should be on VACs like Stata, Data analytics which will prove to be useful in future. Also, during the lectures, assignments should focus on practical learning rather than core theory.
Plan for the next week	- Completing the poster with the help of organization mentor. - Working on SWOT analysis of the organization. - Obtaining internship completion certificate from the organization.

Weekly Report

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Signature of the Student: Dr. Simran Chandwani

Approved by the IIHMR University's Mentor

Weekly Report

Name of the Organization: JHPIEGO (Rajasthan)

Area/ Department/ Project of Summer Internship Program: - Maternal & Child Health

Name of the Student: Dr. Simran Chandwani

Roll no: 1843

Stream: Healthcare & Hospital

Week no: 9

From: 24-6-2024 to 28-6-2024

Activity Done	- Continued working on the poster. - Started writing the compiled report. - Submitted a compiled report to the organization mentor for the work done during 2 months of the internship. - SWOT analysis of the organization with the help of organization mentor.
Linking theory (Classroom learning) with practice at your organization	- Learnt to create various visual representations like charts, graphs, etc. from the analyzed data in demography classes which helped me in creating a poster for the internship.
Gaps identified on the working area.	- During lectures only theoretical knowledge is imparted, and no practical exposure is provided. - At the start of my internship, I had no experience in compiling reports and posters. However, over the past two months, I have learned how to create them effectively.
Suggestions for improvement	Much practical knowledge is needed for understanding public health at the grass root levels. More focus should be on VACs like Stata, Data analytics which will prove to be useful in future. Also, during the lectures, assignments should focus on practical learning rather than core theory.
Plan for the next week	- Obtaining internship completion certificate from the organization.

Weekly Report

Signature of the Student: Dr. Simran Chandwani

Approved by the IIMMR University's Mentor

Summer Internship Program

Compiled Report

Name of the Organization: JHPiEGO, Rajasthan

**Area/ Department/ Project of
Summer Internship Program: Maternal & Child Health**

Name of the Student: Dr. Simran Chandwani

Roll no: 1843

Stream: MBA Health & Hospital

Activity Done	-Introduced by State program officer Mr. Rovin Sharma. -Briefed by the Director of JHPiEGO, Rajasthan Dr. Yashpal Jain about the ongoing – Maternal & Child Health projects and working of JHPiEGO in India. - Listing of all the National Health Programs, reporting of beneficiaries under them to the government whether manually or any digital portal (monitoring & surveillance). Also to mention if any incentives are being provided under the program. -Volunteered along with one of my colleagues for working with the state program officer in a project, where a report was prepared on PPTCT (Prevention of Parent to Child Transmission), differentiating services provided at various levels of healthcare i.e., by ANM, ASHA, MO & specialty care. (Differential Care Package) - Formulation of differential care package (Care provided by ASHA, ANM, MO & Specialist care) for HIV in pregnancy and newborn child. -Formulated a Pregnancy Nutrition Tracker format to track malnutrition during pregnancy. It will also include information on referral and compilation of that data. -Formulated a tool (questionnaire) for FGD regarding “Barriers and facilitators in availing ANC nutrition services by pregnant women”. -A group discussion was conducted with all the interns by Communication & Documentation Officer on the topic ‘pros and cons of LinkedIn’.
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- We visited every department to learn about various positions at Jhpigo, after which we created an organization structure with the help of organogram.
- Created FAQs on “FMC infusion to prevent anemia in pregnant women” with the help of NHM, Rajasthan guidelines.
- Data entry for the primary research conducted for feedback evaluation of Prasav Watch in 3 districts of Rajasthan namely Udaipur, Bundi & Salumbar.
- Transcription of semi structured interviews and focused group discussions of doctors and nurses working in labor rooms, conducted for feedback evaluation of Prasav Watch in those 3 districts of Rajasthan.
- Data mining through the Prasav Watch portal for the no. of deliveries occurring at each facility where Prasav Watch is active for FY 2023-24.
- Compared the above data with the already available PCTS data and found the % error between both.
Analysis of the gaps between both the data at different facility levels and its causes.
- Assisted in secondary review to prove that delivery load increases during Jun-Aug & Nov-Dec.
- Assisted in secondary review for the causes of reduced ANC provided by midwives & its effects, ANC provided by midwives in hospitals, time motion study of healthcare providers.
- Assisted in secondary review for the topic, “%age of complications happening in intrapartum period.”
- We were briefed about the various programs of Jhpigo in India & Rajasthan since its inception and how they are coordinating with the Govt. Of Rajasthan by Dr. Shivangi Pandey (PO).
- Created different analysis criteria with the help of given set of variables which will help in analysis of the data collected.
- Given the following topic for review of literature: “What are the types and frequencies of complications experienced and what are the subsequent pregnancy outcomes observed among pregnant women diagnosed with sickle cell disease.”

- Read about the success story of Prasav Watch in District Hospital, Bundi.
- Transcription of semi structured interview of Dr. O.P. Samar, CMHO, District Hospital, Bundi about success of Prasav Watch in DH, Bundi.
- Formulated a draft on the “Success story of Prasav Watch in DH, Bundi.”
- Qualitative analysis through thematic analysis of FGDs and semi structured interviews which were earlier transcribed for the feedback evaluation research of Prasav Watch in 3 districts of Rajasthan.
- Read various success stories at Jhpigo’s website which helped in improving the success story draft.
- Learnt STATA for quantitative data analysis.
- Comprehensive literature review of PRIs in India, their historic evaluation, various reforms implemented over the years and the multifaceted challenges they continue to face.
- Assisted in literature review for the topic “Need to measure haemoglobin of a female post-delivery/before discharge.”
- Used the Prasav Watch app to enter data and complete various checklists. The app provides notifications for alerts, and it securely saves all the entered data.
- Gathered various topics for a secondary review.
- Learnt various PowerPoint presentation skills.
- Reviewed articles for secondary review on the topic “Prevalence of postpartum depression in India.”
- Gathered various variables for secondary review like risk factors, prevalence, outcomes, etc.
- Data cleaning of the data collected for primary research on the topic “Evaluation of integration of IoT devices for healthcare improvement during intrapartum period”.
- Analysis of the cleaned data with the help of STATA.
- Documenting the analysis and creating a report to present the research results.

- Creating charts and visuals for the results obtained through data analysis of primary research.
- Identifying the tests which can be applied on the results for extracting inferences of descriptive analysis. For e.g.: chi-square test, correlation test, t-test.
- Transcription and drafting a report on questions and answers of meeting conducted for procurement of IoT devices through different vendors and agencies.
- Data was mined and sorted in the form of tables for analysis of non-functionality of Prasav Watch at various facilities of all the districts of Rajasthan.
- Creating visualizations for the above analyzed data.
- Review of literature on the topic 'Prevalence, risk factors & consequences of postpartum depression in India' for the purpose of secondary review.
- Assigned the project for data analysis on the topic 'Does digital application improves the use of partograph during intrapartum care'.
- Read about various features of a partograph, how it helps in making clinical decisions in a timely manner and also eases the handover of care between various healthcare professionals.
- Data mining from the data set for the analysis in 3 districts namely Udaipur, Karauli & Bundi. The data set contains data of 7 months from Oct 2023 to Apr 2024.
- Various variables for data analysis were noted.
- Started with the data analysis i.e., trend analysis of partograph in these 7 months and created charts from the analysis.
- Collecting and segregating all the IEC materials available for 'Maternal & Child Health' on the internet for 9 states where Jhpiego is currently active. The materials were collected from NHM & Ministry of Women & Child Development websites.
- Collected data for budget allocated to IEC activities for various Maternal & Child Health programs in NHM & MoWCD. - The data was collected from ROPs of 9 states.
- Formulated slogans on the topic of 'Maternal nutrition during pregnancy', suitable for IEC materials like posters and hoardings.

	- Conducted a health facility wise and district level analysis of partograph initiation based on data collected through the Prasav Watch application. - Analyzed partograph utilization trends with the help of dataset in Bundi, Udaipur, and Karauli districts of Rajasthan, from October 2023 to April 2024. - Investigated whether using partographs could reduce maternal complications through a comparative analysis. - Developed charts, graphs, or maps to depict the findings from the analyzed data. - Conducted a district wise analysis of partograph initiation rates at different cervical dilatation stages. - Searched and identified newborn images with congenital defects that resembled those depicted on the Mamta cards. - Developed an initial document outlining Hindi IEC slogans focused on maternal nutrition for pregnant women. - Conducted manual transcription of the FGDs and semi-structured interviews of healthcare providers working in labor room for the project of evaluation of Prasav watch application in 3 districts of Rajasthan. - Continued working on the PowerPoint presentation for the analysis report of the dataset analyzed for the digital partograph utilization through Prasav watch application.
Linking theory (Classroom learning) with practice at your organization	-During the NHP module, I learnt about various programs and their beneficiaries and what circumstances led to the launch of those programs. -We learnt about various methods of data collection for primary research in Research Methodology classes, out of which one was FGD. Also, we learned how in a FGD in depth opinions are gained with the help of probing questions. -In NHP classes we learned about continuum of care, so I was able to link the referral system through that. - We learned about various methods of data collection for primary research, reviewing the literature in Research Methodology classes.

-In NHP classes, we learned about “Anaemia Mukh Bharat Abhiyaan,” and various treatments available to treat anaemia and their beneficiaries.

-We learnt during the Organization Behavior classes, how change is brought upon in an organization. I understood the change process at DH, Bundi when newer technology was implemented in the form of Prasav Watch tablet application.

-Learnt during the Research methodology classes how different analysis criteria are followed for different types of data collected.

-We learnt about various tests which can be applied on different types of epidemiological studies.

-Also learnt how various keywords are identified for research during research methodology classes.

-Also learnt during the Research methodology classes how different analysis criteria are followed for different data collection methods.

-We learnt about basic data analysis & visualization in MS Excel during demography lectures.

- Also learnt about various ‘Maternal & Child Health’ programs during NHP lectures.

- Also learnt about how literature review is carried out for secondary review in Research Methodology classes.

-Learnt to create various visual representations like charts, graphs, etc. from the analyzed data in demography classes.

- Learnt how various IEC materials are created which should be influential, engaging, and empowering in Communication Planning & Management lectures.

- The assignments done during Communication Planning & Management lectures helped in creating engaging IEC.

Gaps identified on the working area.	-During lectures, only gained the knowledge through the teacher's perspective, but during internship I delved into the work and surfed the dashboards and portals for every national health program which gave an insight about how these programs work and how government is obtaining the data from the grass root level. -During classes only theoretical knowledge was gained, but by creating these tools and materials I was able to gain technical skills and how the public health goals are achieved. - More focus should be on VACs like Stata, Data analytics which will prove to be useful in future. Also, during the lectures, assignments should focus on practical learning rather than core theory. -No field visits are being conducted by the organization as currently there is no intervention in the Jaipur district. -The large volume of data presented a challenge in comprehensively cross-checking it against ground-level information. - To gain the necessary skills for data analysis using Stata, I utilized YouTube tutorials to learn the software and subsequently performed the analysis. - For creating engaging presentation, I took help of YouTube and google which helped me upskill myself.
Suggestions for improvement	-Much practical knowledge is needed for understanding public health at the grass root levels. We need to understand how the National Health Programs work and become successful, rather than just listening to limited information taught during the lectures. -The assignments created during classes should be more practical like IEC material, FGD tools, etc. rather than only presentations. - More focus should be on VACs like Stata, Data analytics which will prove to be useful in future. Also, during the lectures, assignments should focus on practical learning rather than core theory. - Field visits should be promoted for the students who are interested in Public Health. - During classes, not everyone feels comfortable expressing their thoughts in front of a large group. However, in a smaller setting with 9-10 people, individuals can share their

ideas more freely and without hesitation. Therefore, it is important to provide such environments for students.



Signature of the Student: Dr. Simran Chandwani



Approved by the IIHMR University's Mentor