

Summer Internship Report at Piramal Foundation, Bihar (22nd April 2024 to 22thJune 2024)

A Report

Ву

Dr. Apurva Ahuja

Under guidance from:

Dr. Sukesh Bhardwaj

PGDM (Hospital and Health Management) 2023-2025



International Institute of Health Management Research, New Delhi

ACKNOWLEDGEMENT

I had a fantastic opportunity to learn and advance my career during my internship with Piramal Foundation. I therefore count myself as extremely fortunate to have had the chance to take part in it. I'm also appreciative that I've had the opportunity to meet so many experts who guided me during my internship. In light of this, I would like to take this opportunity to extend my sincere gratitude and special thanks to Dr. Tanmay Mahapatra, Director of Data and Learning at the Piramal Swasthya Management and Research Institute, who, in spite of his extremely busy schedule, took the time to listen to me, offer advice, and steer me in the right direction. He also gave me permission to complete my project at their prestigious institution. I would like to sincerely thank Sweta Kumari ma'am for helping me make important decisions, providing the required counsel and direction, and setting up all the resources I needed to complete my project more easily. I'd like to take this opportunity to express my gratitude for her contribution.

I would like to express my sincere gratitude and best wishes to Dr. Sutapa Bandyopadhyay Neogi, Director of IIHMR Delhi; Dr. Sumesh Kumar, Associate Dean Academics and Student Affairs; and my mentor, Dr. Sukesh Bhardwaj (Associate Professor), IIHMR Delhi, for their thoughtful and priceless guidance, which was invaluable for my study in both theory and practice.

I see this as a significant turning point in my professional development. In order to achieve my desired career goals, I will make every effort to make the best use of the knowledge and skills I have acquired. I will also keep working to improve them. I look forward to working with each of you in the future.

Sincerely,

Dr. Apurva Ahuja

PGDM in Health and Hospital management

PG/23/023

Name: Dr. APURVA AHUJA

In recognition of having successfully completed her internship in the department of **RMLE** and has successfully completed her Project on

Title: "Introduction about RMNCHN in context of Bihar"

Date: 21st June 2024

Organization: Piramal Swasthya Management and Research Institute

She comes across as a committed, sincere & diligent person who has a strong drive & zeal for learning

We wish him/her all the best for future endeavours.

Organization Supervisor & Department Head

Dr Tanmay Mahapatra

Director, Data & Learning

James Malagates

Ms. Amita Shukla

Senior Program Manager - HR

Piramal Swasthya Management and Research Institute

Piramal Swasthya Management and Research Institute

Head Office: 3rd Floor, No. 6-3-1112, Oyster Complex, Greenlands Road, Somajiguda, Begumpet, Hyderabad – 500 016 piramalswasthya.org

FEEDBACK FORM

Name of the Student: Dr. Apurva Ahuja

Summer Internship Institution: Piramal Swasthya Management and Research Institute **Area of Summer Internship:** Public Health with a

 $special\ focus\ on\ RMNCH+N\ \textbf{Attendance:}\ Perfect\ adherence\ to\ internship\ norms.$

Objectives met: Learnt Literature Review, Evidence Table Generation, Reference Management, Tool Development, Epidemiological concepts, Digital Data Management & Quality control, Determining the Themes and Sub-themes, Developing Code Dictionary, Data Collection, Data Management, Basic Quantitative Analysis and Thematic Extraction of Information from Qualitative Data.

Deliverables: -

- Desk review on "Intrapartum and postnatal care among mothers of infants aged 0-2 months", made an evidence table, documented the findings, recommendations, and limitations of this study in the report.
- Participated in Data collection in a mini household survey and analysed the data using SAS software on some key RMNCH+N
 indicators in the context of Bihar.
- Field visits in Sub-District hospital in Danapur, Patna and Health and Wellness Center, Bhausala, Danapur. Also interacted with CHO and ASHA workers in HWC.
- Documented the entire process and findings, including insights from the field visits in a detailed report.
- Basic introduction about SAS, data cleaning and management and research methodology concepts.
- Assisted and contributed in making of presentation on "Mini Household Survey"

Strengths:

Very good adherence to protocols, ready wit, learning spree, punctuality, clarity of understanding, writing skill, communication skills, teamwork, commitment, sincerity and diligence with analytical progress. Based on her learning abilities and efforts, it appears that, given the level of effort and aptitude she has, if given chance she can become an asset of the public health research and implementation sector of India.

Suggestions for Improvement:

Scientific writing, advanced analytics, programmatic knowledge, stakeholder management

Signature of the Officer-in-Charge (Internship)

Jane 12.12.2024

Place: Patna

FEEDBACK FORM

(IIHMR MENTOR)

Name of the Student:

Apurva Ahiya

Summer Internship Institution: Piramal Swasthya

Area of Summer Internship: Public Health with a special focus on RMNCSHIN

Attendance: Adherence to internship Noone.

Objectives met: Literature Review, Evidence Poble Generation, Referrers, tool shedy. Data Analysis & Interpretation

Determining the themes and sub-themes, sucho ping code Dictionary, Thematic extraction of Inf. from Qualitative Data

Deliverables: sex review on " Intrapartum and postnatal care among mothers of Infant aged 0-2 months".

Participated in Data collection in a minimus chold survey and analysed the Data using SAS Software on some key RMNCH +N Indicators in the context of Bihar.

field visit in sub-district hospital in Damapur, Patria and Health and wellness center, Bhausda, Danapur

Strengths: Sincere 4 dedicated student

Analytical skills Suggestions for Improvement:

Signature of the Officer-in-Charge (Internship)

Date:

Place: New dehi

Certificate of Approval

The Summer Internship Project of titled "Introduction about RMNCAH+N in context of Bihar" at "Piramal Foundation" is hereby approved as a certified study in management carried out and presented in a manner satisfactorily to warrant its acceptance as a prerequisite for the award of Post Graduate Diploma in Health and Hospital Management for which it has been submitted. It is understood that by this approval the undersigned do not necessarily endorse or approve any statement made, opinion expressed, or conclusion drawn therein but approve the report only for the purpose it is submitted.

Dr Sukesh Bhardwaj

[Professor and Dean Research, IIHMR Delhi] IIHMR, Delhi

TABLE OF CONTENTS

S.NO.	TOPIC	PAGE NO.
1.	Acronyms/ Abbreviations	4
2.	Organization Profile	5
3.	Observational Learning	6-21
4.	Report 1	11
5.	Report 2	13
6.	Report 3	16
7.	Experience from other projects	21
8.	Desk Review	22-28
9.	Secondary Data Analysis	29-48
10.	Internship Completion Certificate	49
11.	Certificate of Approval	50
12.	Feedback Form (Organization Supervisor)	51
13.	Feedback Form (IIHMR Mentor)	52

ACRONYMS/ABBREVIATION

THR - Take Home Ration
STSC - Skin to Skin Care
TIBF - Timely Initiation of Breast Feeding
SAS - Statistical Analysis System
NHM - National Health Mission
SDG - Sustainable Development Goal
RMNCAH+N - Reproductive Maternal Newborn Child Adolescent Health and Nutrition
CAT - Call to Action
CAD – Care Around Delivery
PHC - Primary Health Centre
NRHM - National Rural Health Mission
ANM - Auxiliary Nurse Midwife
IMNCI - Integrated Management of Childhood Illnesses
ASHAs - Accredited Social Health Activists
JSSK - Janani Shishu Suraksha Karyakram
IFA - Iron and Folic Acid
ARSH- Adolescent Reproductive and Sexual Health
NFHS - National Family Health Survey
CHO - Community Health Officer
NRC - Nutrition Rehabilitation Centre
VHSND - Village Health Sanitation and Nutrition Day
MCP - Mother and Child Protection
AMANAT - Accreditation of Maternity and Newborn Acute Care Training
LAQSHYA - Labor Room Quality Improvement Initiative
HHS – Household Survey

ORGANIZATION PROFILE

Piramal Foundation- Solving India's most intractable problems through Innovation, Collaboration and Sewa Bhaav

VISION: Building Bharat through leadership, decentralisation, digitisation and inclusion led by women and youth.

India has embarked on the journey towards ensuring Universal Health Coverage and Piramal Swasthya is contributing with its experience & expertise of building innovative solutions that impact at scale.

Piramal Swasthya is focused on bridging public healthcare gaps by supplementing and complementing Government of India's vision to meet Universal Health Coverage. Piramal Swasthya is one of the largest not-for-profit organizations in India – in the primary public healthcare space with a focus on Maternal Health, Child and Adolescent Health, Non-communicable Diseases. Piramal Swasthya has over a decade-long experience in operating several healthcare innovations at scale, which are addressing the primary healthcare needs of most underserved and marginalized populations across India. Piramal Foundation is operational in 27 States and 2 Union Territories in India through innovative public healthcare delivery programs.

Core Values:

- Respect, upholding the dignity of each individual.
- Integrity, adhering to an ethical code of conduct in all actions.
- Commitment, fulfilling our duties and social responsibilities.
- Excellence, setting high performance standards and being accountable to them.

Approach:

- Gender Equality
- Knowledge, Management and Learning
 - 1. Observational learnings
 - a. Description of the 2 months internship journey
 - 1. Research Methodology Sessions:

- I had the privilege of attending in-depth sessions by Tanmay sir on various research methodology topics.
- These sessions provided a comprehensive understanding of different research topics.
- Irshad Sir conducted specialized sessions focusing on literature review techniques and how to effectively search for scholarly articles.
- I was trained in creating evidence tables, which are crucial for organizing and summarizing research findings.
- Additionally, I was introduced to important software tools used for referencing, enhancing our research efficiency and accuracy.

2. Data Cleaning and Management:

- Kunal Sir and Alok Sir led insightful sessions on data cleaning and management.
- I learned various techniques to clean and manage data, an essential step before conducting any analysis.
- These sessions emphasized the importance of maintaining data integrity and ensuring that datasets are ready for accurate analysis.

3. Data Analysis:

- o Shuchi Ma'am, Manoj Sir, and Ashish Sir provided data analysis training.
- o I was introduced to the SAS Software, a powerful tool for data analysis.
- The sessions covered key aspects of using SAS for analysing large datasets, allowing us to draw meaningful insights from the data.

4. Field Visits:

- As part of my internship, I had the opportunity to participate in multiple field visits.
- These visits provided practical, on-the-ground experience and allowed us to observe the real-world Health System.
- The detailed experiences and learnings from these field visits are discussed in further sections of the report.

5. Slide Deck Preparation:

- o I contributed to the preparation of the HHS slide deck.
- Further details on this project are discussed in subsequent sections of the report.

Overall, this internship at Piramal Swasthya Foundation in Patna was an enriching experience that provided a balanced mix of theoretical knowledge and practical application. The diverse sessions and field visits equipped us with essential skills in research, data management, and analysis, while also allowing us to contribute meaningfully to ongoing projects.

b. Learnings from the different sessions

Detailed Learnings from Research Methodology Sessions at Piramal Foundation

Foundational Concepts in Research:

We began with the basics of research methodology to later on understanding the the concepts that support scientific study.

1. Key Research Terms and Concepts Learned like Incident rate ratio, Incidence proportion, ecological fallacy, temporal ambiguity, Inductive & Deductive approach, Emic & Etic, Biological plausibility, Hill Criteria, Ecological study, Randomization & Random selection, Induction period & Latency period, Prospective & Retrospective study, Measures of association & Measures of occurance, Relative risk & Risk ratio, etc.

Literature Review Techniques:

2. Importance of Literature Review: Emphasized the critical role of reviewing existing literature to identify gaps and build on prior research.

3. Article Search Methods:

- a. Platforms: Learned to search for scholarly articles on platforms like PubMed and Google Scholar.
- b. Techniques: Used relevant filters, MeSH terms, and Boolean operators to refine search results.

4. Evidence Table Construction:

- a. Columns to Include: Discussed the essential columns such as author, year, study design, and key findings.
- b. **Chronological Order**: Organized articles chronologically and prioritized global articles before Indian studies.

Reference Management:

5. EndNote Software: Gained proficiency in using EndNote for managing references, including adding and organizing citations efficiently.

Detailed Learnings from Data Cleaning & Management Sessions at Piramal Foundation

1. Pivot Tables:

- Learned how to use pivot tables in Excel to summarize, analyze, and explore large datasets efficiently.
- Gained skills in creating pivot tables to sort, count, and total data, allowing for dynamic data exploration and reporting.

2. Conditional Formatting:

 Understood how to apply conditional formatting to highlight important data points, trends, and patterns within a dataset. Practiced using color scales, data bars, and icon sets to visually distinguish data based on specific criteria.

3. Data Visualization:

- Learned to create diverse types of charts to visually represent data:
 - Column Chart: For comparing data across categories.
 - **Bar Chart**: For visualizing data in a horizontal format.
 - Line Chart: For showing trends over time.
 - Combo Chart: For combining two different chart types to show different data series.
 - **Pie Chart**: For displaying proportions of a whole.
- Emphasized the importance of choosing the right chart type to effectively communicate data insights.

4. Data Validation:

- Understood the importance of data validation to ensure data integrity and accuracy.
- Learned to set validation rules to restrict the type of data or values that users can enter into a cell.

5. The SUBTOTAL Function:

- o Explored the SUBTOTAL function in Excel, which allows for the creation of groups within data.
- Learned to perform various functions such as SUM, COUNT, AVERAGE, PRODUCT, and MAX on these groups.
- Practiced using SUBTOTAL to perform calculations on filtered data, providing more accurate summaries and analyses.

6. **IF, COUNTIF, and SUMIF Functions**:

- IF Function: Learned to use the IF function to perform logical tests and return specific values based on the results.
- COUNTIF Function: Practiced using the COUNTIF function to count the number of cells that meet a specific criterion.
- SUMIF Function: Understood how to use the SUMIF function to sum the values in a range that meet specific criteria.

These sessions on data cleaning and management provided essential skills for preparing and organizing data for analysis. From mastering pivot tables and conditional formatting to utilizing advanced Excel functions and creating effective data visualizations, we are now equipped to handle data more efficiently and accurately.

Detailed Learnings from Data Analysis Sessions at Piramal Foundation

1. Introduction to SAS Software:

- We were introduced to the significance of SAS software in data analysis.
- Understood why SAS is a preferred tool for analysing large datasets.

2. Getting Started with SAS:

- Learned to use the online SAS software initially, which helped us familiarize ourselves with the interface and basic functionalities.
- Later, we installed the offline SAS software on our laptops, enabling us to work on data analysis projects independently.

3. Foundational SAS Skills:

Types of Libraries: Taught about different types of libraries in SAS, focusing on creating a
permanent library to store datasets.

o Basic Syntax and Procedures:

- PROC IMPORT: Learned to import data from various sources into SAS.
- PROC PRINT: Used to display the data.
- PROC CONTENTS: Provided details about the dataset, including variable names and types.
- PROC SORT: Learned to sort data based on specified variables.
- PROC FREQ: Used to calculate the frequency of different variables.
- **DBMS**: Learned to specify the type of data source being imported.
- GETNAMES: Used to indicate whether the first row of the data source contains column names.
- TABLES: Created frequency tables for categorical data.
- VARNUM: Displayed variables in the order they appear in the dataset.

4. Data Cleaning and Transformation:

- Taught how to replace outliers to ensure data quality.
- Learned to calculate basic descriptive statistics such as mean, median, mode, standard deviation, minimum, and maximum values.

5. Advanced Data Analysis Techniques:

- Indicator Matrix Preparation: Understood how to prepare an indicator matrix for data analysis.
- Selection of Questions from Tool/Codebook: Learned to select relevant questions for analysis based on the tool/codebook.
- Analysing Indicators: Analysed various indicators on the current Bihar HHS data.
- Verification of Results: Verified our analysis results against existing results to ensure accuracy and consistency.
- The details of the secondary data analysis are described in the last section of this report.

These sessions provided a thorough understanding of how to use SAS software for data analysis. From learning the basics of SAS syntax and procedures to performing advanced data analysis and verification, we gained valuable skills that are essential for handling and analysing complex datasets effectively.

c. Field visits report

As part of our internship at Piramal Swasthya, we had the opportunity to participate in three significant field visits, which provided us with practical insights into healthcare programs and services.

1. Household Survey for Maternal and Child Health (MCH) Program:

o Date: April 26th, 2024

o Location: Biharsharif, Nalanda District, Bihar

 Objective: To observe and understand the execution of a household survey focused on maternal and child health, providing us with firsthand experience of data collection and community interaction in a rural setting.

2. Community Health Centre (CHC) Visit:

Date: May 16th, 2024

o Location: Phulwarisharif, Patna

 Objective: To explore the operations and services of a Community Health Centre, gaining insights into the functioning of primary healthcare facilities and the challenges faced by healthcare providers and patients.

The detailed experiences and learnings from these field visits are elaborated in the following sections.

3. Health & Wellness Centre Visit, Interaction with ASHA worker:

o Date: June 18th, 2024

Location: Health and Wellness Centre (HWC), Danapur District, Bihar

Objective: The primary objective of our visit to the Health and Wellness Centre (HWC) in Danapur district, Bihar, was to observe how theoretical concepts are applied in practice and assess the quality and range of healthcare services provided. We aimed to gain insights into the facility's operations, patient management, and community health initiatives.

HOUSEHOLD SURVEY REPORT

Date: 26th April 2024

Location: Biharsharif, Nalanda District, Bihar

Introduction:

This report details a household survey conducted for the Maternal and Child Health (MCH) program in Biharsharif of Nalanda District, Bihar, on April 26th, 2024.

During this visit, I observed the usage of three different questionnaires tailored for infants aged 0-5 months, 6-11 months, and 12-23 months. This report details my observations and learnings from the visit.

- 1) **0-5 months old:** Focused primarily on breastfeeding practices and postnatal care.
- 2) **6-11 months old:** Included questions about the introduction of complementary foods in addition to breastfeeding.
- 3) **12-23 months old:** Covered a broader range of topics including continued breastfeeding, variety in complementary foods, and growth monitoring.

Listing & Mapping Methodology:

The household listing adhered to the following protocol:

The method used for household listing and mapping was a form of systematic random sampling, ensuring a structured yet random selection process. We obtained a random number using a random number table or generator and used it to select the first household from the Anganwadi register. We decided on an interval of 4 households to be left out between selections. Starting from the initially selected household, we moved to the right side of the main door and counted 4 households, then selected the 5th household for surveying. This process was continued systematically; after surveying each selected household, we skipped the next 4 households and then selected the 5th one for the survey.

Interview 1: Mother of child age 0-5 months 29 days

The first interview involved a mother whose child was falling within the targeted age range (0-5 months 29 days). The interview instrument comprised four sections:

Interview Tool Sections:

- Basic Household Details
- ANC & Birth Preparedness
- Newborn Care (NBC)
- Postnatal & Breastfeeding Practices

Key Discussion Points:

- The mother received her MCP card during the fourth month of pregnancy from an ASHA worker.
- The mother began receiving Take Home Ration (THR) from the fourth month of pregnancy.
- We assessed whether ASHA or Anganwadi workers promoted institutional delivery.
- The respondent did not complete the recommended course of Iron and Folic Acid (IFA) tablets.
- Lack of awareness about the importance of IFA tablets was noted.
- The respondent was reluctant and restless due to her child's fever.
- The interview was left incomplete as the respondent dropped out midway.
- The mother received IFA tablets from ASHA during her pregnancy, but she didn't finish them all because they gave her nausea every time she took them.

Interview 2: Mother of child age 6-11 months 29 days

The second interview involved a mother whose child was falling within the targeted age range (6-11months 29 days). The interview instrument comprised four sections:

• Interview Tool Sections:

- Household and Respondent Characteristics
- Breastfeeding and Complementary Feeding Practices
- Immunization And Childhood Disease
- Postnatal Contraception and Family Planning

Key Discussion Points:

- The mother was not given the ration by the Anganwadi during her pregnancy, nor was it given to the child until recently, as per the "take home ration" policy.
- The mother received IFA tablets from ASHA during her pregnancy, but she didn't finish them all because they gave her nausea every time she took them.
- Neither ASHA nor ANM offered any advice or guidelines regarding newborn care or appropriate dietary measures for the mother and child.
- Three visits were completed by the ASHA for the ANC, all on time, and the family expressed satisfaction with the ASHA's services.
- The baby was exclusively breastfed until he was nine months old, where he was supposed to start receiving semi-solid food in the sixth month.

Interview 3: Mother of child age 12-23 months 29 days

The third interview involved a mother whose child was falling within the targeted age range (12-23months 29 days). The interview instrument comprised four sections:

Interview Tool Sections:

- Household and Respondent Characteristics
- o Immunization
- Complementary Feeding Practices
- Postnatal Contraception and Family Planning

Key Discussion Points:

- The respondent was the mother of a 12–23-month-old child who had been staying at her parents' house for the past four months.
- No Godbharai ceremony had been conducted as per guidelines.
- Every vaccination was given at Anganwadi, however as we could see from the MCP card, they weren't given on time.
- When the immunisations were administered, the baby's height and weight were not recorded.
- Child's Birth Weight Initially reported as 1.5 kg but verified through the MCP card as 2.5 kg.

The mother was unaware of THR.

The mother didn't receive money under JSY scheme.

Confidentiality Assurance:

Before and after the interview, we assured the participants of data confidentiality and expressed gratitude for their participation.

Conclusion:

Lastly, I want to conclude that the household survey visit to Bihar Sharif provided a comprehensive understanding of how to conduct a detailed survey on maternal and child health. Understanding the structure of the questionnaire and observing the data collection process were invaluable experiences. The findings can be used to identify areas for improvement and design targeted interventions to enhance maternal and child health outcomes.

C.H.C. PHULWARISHARIF, PATNA

Date of Visit: May 16, 2024

Location: Phulwarisharif, Patna, Bihar

Population Served: Approximately 350,000 per month.

I. Introduction

This report details a field visit conducted on May 16, 2024, to the Community Health Centre (CHC) in Phulwarisharif, Patna. The CHC caters to a vast population of approximately 350,000 individuals per month (as per guidelines 1,20,000 should be covered), highlighting its crucial role in delivering primary healthcare services in the region.

It is a 24*7 Urban CHC which has approximately 50 beds and focuses primarily on Maternal and Child Health with availability of emergency room where trauma cases are stabilized and then referred to a higher hospital. Most of the high-risk pregnancies/trauma cases related or unrelated to pregnancy are referred to medical colleges like Nalanda medical college or Patna Medical college.

Ground Floor:

- Registration Counter
- Emergency Room
- o OPD
- Immunization Room
- o Pharmacy
- Cold Chain Storage

First Floor:

- Antenatal Care (ANC) Room
- Non-Communicable Diseases (NCD) Cabin

- Family Planning Counter
- Laboratory

Third Floor:

- Triage Room
- Maternity ward
- Labor Room

II. Key Observations

- No C-section availability (only normal deliveries).
- Each doctor performs approx. 170-180 OPDs every day and the doctors visit on selected 2 days of the week (and not every day).
- There is no separated department for ANCs but only a generalized area where ANCs are done by female doctors.
- There is 1 door for both entry and exit to and from the centre.
- There is 1 registration desk along with 1 dispensary for medicines.
- There is an immunization room where all immunizations are given, essential for both the mother
 and the baby for up to 24 months of age and we were also shown the hub cutter to explain how the
 used syringes are discarded.
- There we were informed about the ANMOL application which provides all the details of the couple (eligibility age >14years in Bihar), including their basic details, HRPs if any, the immunizations given and to be given etc.
- We were also briefed how immunizations are given at outreach level and talked about the RI i.e.,
 Routine Immunization Day held on Wednesdays or Fridays in Bihar where immunizations are given at Centres (HWCs) by the combined effort of FRWs (ANMs, ASHAs, Anganwadis).
- We were told about how the vaccines are dispensed to the centres on VHSNDs and the remaining
 ones brought back, and the struggles faced by ASHAs with motivating pregnant women to come to
 the centre on those specific days and get vaccinated.
- We were also shown the MCP card in the immunization room and educated about the importance of the same in recording all the necessary details and keeping a record of future ANCs and immunization visits.
- We were informed about the 4 key messages given to mother during outreach immunizations
 including which vaccination, when will the next one be given, possible side effects and the
 remedies.
- We were informed about the eWIN portal and its importance in maintaining the viability of the vaccines and about how the vaccines are brought from State warehouses to District warehouses through Vans.
- We were explained about Cold Chain which is the process of storing and transporting vaccines at recommended temperatures from the point of manufacture to the point of administration and the

Ice-Lined Refrigerator (ILR) which is a type of refrigerator commonly used in the storage and transportation of vaccines during the cold chain process and how they play a role in providing good quality viable vaccines.

- We were also shown the Blood Bank Refrigerator (BBR) in the storage room which stores all the essential medicines that require temperature regulation like Oxytocin.
- We were shown the storage room of all the medicines and drugs which were kept on a raised surface since as per guidelines no box of medicines should touch the floor.
- We were also explained briefly about the Green Channel and AVD (Alternate Vaccine Delivery).
- Then we were taken to the Family Planning Section on First floor where the Staff explained us the
 entire process of Family Planning Counselling, Basket of choice and all the permanent and
 temporary methods of birth spacing suggested to women.
- We were also shown the 3 kinds of birth control pills including Emergency pills, Chhaya pills and Mala-N and explained the differences between the three.
- Injection Antara pregnancy which is an injectable contraceptive was also shown.
- Then we were explained about the importance and role of MAMTA in pregnancy care outside maternity ward and got the opportunity of attending a MAMTA counselling session.
- We were taken to the Labor room which had 3 beds and were shown the Labor Room register which had 81 questions covering all the information about the mother and the newborn.
- Approx. 8-10 deliveries/day take place at this CHC.

Outreach Activities and Routine Immunization Process:

- After showing around the entire facility and all the departments we had a discussion with the Block Hospital Manager who shared her experiences along with the problems faced with managing patient and family behaviour.
- She also explained the entire outreach immunization process including VHSND, along with how the service coordination takes place between different departments, coordination between Frontline workers Anganwadis, ASHAs, ANMs during RIs.
- She explained how these Frontline Workers are paid and incentivized and how they are required to
 give proof of all the services provided before getting paid. She also explained how different
 incentives are given for easy to reach, hard to reach, very hard to reach areas.
- She shared problems (like absence of bank account) that occur with providing mothers with the financial benefits offered by the govt. for the girl child and how all the gaps need to be reported with specific reasons.
- She explained how shortage of ASHAs and ANMs in the area is tackled by posting other area
 ASHAs in the area and how the reluctance among them is handled with issuing notices.
- She explained how separate sessions are taken every week for counselling and educating ASHAs, ANMs, MAMTAS related to their jobs and responsibilities and additional roles required to be performed by them as per any new guidelines issued.

- She explained how CHC is responsible for looking after the functioning and services of HWCs of the area and how the entire functioning is carried out under their supervision.
- She explained how maternal or newborn deaths are enquired by sending a proper team to the
 household and asking and recording all the necessary questions on a definite form and how it is
 reported to the concerned authority so that appropriate actions can be taken to avoid the same in
 future.
- She also explained how the team from CHC carries out the different immunization and health checkup programs at different kinds of facilities (like currently for NCC in the nearby school).

Conclusion

A significant portion of the population's healthcare needs are met largely by the Phulwarisharif Community Health Centre. Delivering public health in a well-rounded manner is highlighted by the emphasis on mother and child health, in addition to preventive, curative, and emergency care, as well as outreach initiatives.

Report on the Visit to Health and Wellness Centre in Danapur District, Bihar

Date of Visit: June 18th, 2024

Location: Health and Wellness Centre (HWC), Danapur District, Bihar

Population Served: 10,206

Overview

The Health and Wellness Centre (HWC) in Danapur district is a vital healthcare facility catering to the needs of a population of 10,206. The centre is well-maintained and fully functional, providing a wide range of health services aimed at health promotion, early identification of diseases, treatment, follow-up care, and referrals to the Community Health Centre (CHC) Pulwarisharif to ensure continuity of care.

Facilities and Services

□ Care in Pregnancy and Childbirth: The HWC offers comprehensive care before and after childbirth, including
regular check-ups, nutritional support, iron and folic acid supplements, and health education. They focus on
ensuring safe deliveries and maternal health.
□ Neonatal and Infant Health Care Services: The centre provides early childhood immunizations, growth
monitoring, and health check-ups to reduce infant mortality and support healthy development.
□ Childhood and Adolescent Health Care Services: The HWC offers immunizations, nutritional support, and
health education for children and adolescents. They also provide counselling on puberty, mental health, and
hygiene.
□ Family Planning and Reproductive Health Services: The centre provides counselling and various
contraceptive methods, along with other reproductive health services, promoting overall family health.

Non-Communicable Disease Management: The HWC has a dedicated area for screening and managing
chronic diseases like diabetes, hypertension, and heart conditions, ensuring organized follow-up care.
□ Emergency Medical Services: The centre is equipped to handle emergencies, providing first aid, stabilization,
and efficient referrals to the Community Health Centre (CHC) Pulwarisharif, enhancing community health security.

Key Observations:

1. General Functionality

- The HWC operates from 10 AM to 5 PM, with the Community Health Officer (CHO) present until 2
 PM.
- The centre handles a patient flow of 20-25 patients daily, with the last month's outpatient department (OPD) visits totalling 633.
- A dedicated corner for Non-Communicable Disease (NCD) screening is available, highlighting the centre's commitment to managing chronic conditions.

2. Teleconsultation Services

 The HWC provides teleconsultation services, with 250 teleconsultations conducted in the past month.

3. Patient Follow-Up

Follow-up for NCD patients is diligently managed, with 33 follow-ups recorded last month.

4. Sanitation and Health Promotion

- o The centre is equipped with color-coded dustbins to ensure proper waste segregation.
- Numerous charts and boards are displayed for patients, offering information on various health programs and services available at the HWC, as well as important health messages.

5. Pharmaceutical Services

 The HWC stocks all 14 essential drugs required, along with many other medications to cater to diverse health needs.

6. Infrastructure

- The centre consists of one main room where the CHO operates. The CHO, who holds a BSc in Nursing and is a native of Bihar, faces no language barriers when communicating with the local community.
- A separate section, divided by a half wall, contains a small bed designated as a lab area.

7. Community Health Information

- The names and contact numbers of all Auxiliary Nurse Midwives (ANMs) & ASHAs are displayed on the front wall of the HWC.
- o A box containing contraceptives, such as condoms, is mounted on the wall for easy access.
- A neat and clean handwashing and drinking water station is positioned at the entrance, reflecting the centre's emphasis on hygiene.

 Another board provides detailed information about the Accredited Social Health Activists (ASHAs), including their codes, session sites, mobile numbers, details of Anganwadi workers, CHO's details, and the Village Health Sanitation and Nutrition Day (VHSND) plan.

Observations

During the visit, we had the opportunity to speak with the CHO, who provided valuable insights into the centre's operations. The CHO was actively attending to patients, most of whom were being treated for NCDs, fever, cough, cold, and heatwave-related issues. The presence of comprehensive healthcare services, dedicated staff, and a well-maintained facility underscores the HWC's role in improving the health and well-being of the Danapur community.

Conclusion

The Health and Wellness Centre in Danapur district is a cornerstone of the local healthcare system, offering essential services and maintaining high standards of care and hygiene. The facility's efforts in health promotion, disease prevention, and management, along with its robust teleconsultation and follow-up services, significantly contribute to the health security of the local population. The dedication of the staff and the comprehensive range of services provided are commendable, making the HWC a model for community health care.

Meeting with ASHA

During this field visit to Danapur, we had the opportunity to interact closely with an Accredited Social Health Activist (ASHA) who has been serving the community diligently for the past 19 years. Her name was Hemanti Devi, and she was a graduate. ASHAs are pivotal in bridging the gap between healthcare services and rural populations, particularly focusing on maternal and child health, nutrition, and preventive care.

ASHA shared her extensive responsibilities which included:

Maternal and Child Health: She provides crucial support to women during pregnancy, emphasizing birth preparedness, safe delivery practices, and postnatal care. She ensures women attend Ante Natal Check-ups and Post Natal Check-ups and promotes breastfeeding, immunization, and nutrition for both mothers and young children.

Community Mobilization: She mobilizes the community to utilize government health services available at Anganwadi centres, sub-centres, and primary health centres. This includes facilitating immunization drives, supplementary nutrition programs, and promoting sanitation and hygiene practices.

Health Education: She educates the community on health determinants such as nutrition, sanitation, and healthy living. She also provides information on family planning methods, contraception, and prevention of infections. She visits door to door to provide the "Nayi pahel kit" to the newly wed couples to promote family planning.

Special Initiatives: She organizes events like 'Godhbharai' to enhance maternal nutrition and 'Saas Bahu Sammelans' to educate young brides about family planning.

Additionally, she coordinates Village Health Sanitation and Nutrition Day (VHSND) for immunization and health monitoring.

Reporting and Training: Every month, on the first Thursday, the Asha facilitator and the BMC of the district come together. They discuss topics such as reporting on ASHAs, giving feedback, introducing new programs or schemes for implementation, and ensuring the distribution of necessary instructions and supplies for Health and Wellness Centres (HWC).

Data Collection and Reporting: She maintains records of health-related information such as births, deaths, immunizations, and health status of community members. This data is crucial for monitoring health trends, planning interventions, and evaluating health programs.

Newborn and Child Care: ASHA monitors the growth and development of newborns and young children, promotes timely immunization, and provides counselling on child nutrition and care practices to mothers and caregivers. She also assists in identifying malnourished children in the community and refers them to the Nutrition Rehabilitation Centre (NRC). Here, both the mother and child receive necessary care, observation, and nutritional support to facilitate their recovery. Typically, beneficiaries stay at the NRC for a minimum period of 15-21 days to ensure they receive adequate treatment and rehabilitation.

Technological Use: She was trained in using a government app for reporting her work during each month so that she must be provided with the incentives while earlier she used to maintain a register of her work. Currently technical issues have impacted functionality for the past two months.

While ASHA plays a critical role in rural healthcare delivery, but they encounter several challenges that impact their effectiveness and well-being and same was the case of Hemanti Devi.

Financial Instability: ASHAs are compensated based on incentives rather than a fixed salary. This financial model, while intended to motivate performance, often results in inconsistent earnings that are insufficient to cover their expenses. She told us about her earnings. For instance, she earns Rs. 100 for ANC and Rs. 600 for the entire delivery process which does not adequately support her livelihood, especially considering the extensive time and effort she invests in her duties.

Community Resistance and Cultural Barriers: She told us about the resistance she faces from certain segments of the community, particularly regarding cultural beliefs and traditions that influence health-seeking behaviour. Overcoming these barriers requires not only persistence but also sensitivity and cultural competence to build trust and acceptance which she had overcome as she is serving the community from the past 19 years and now everyone in the community is well aware about her performance and they all appreciate her efforts.

Workload: She often manages large caseloads and faces demanding work schedules that include home visits, community mobilization, health education sessions, and administrative tasks. The cumulative stress and physical demands contribute to burnout, affecting her morale and performance over time.

Recognition and Support: Despite her pivotal role in improving maternal and child health outcomes, she sometimes lacks adequate recognition and support from local authorities and healthcare systems. This includes insufficient logistical support, delayed reimbursements, and limited opportunities for career progression or advancement within the healthcare sector.

In conclusion, our visit to the Health and Wellness Centre in Danapur district, Bihar, offered profound insights into the pivotal role of healthcare facilities and committed individuals like Hemanti Devi, an Accredited Social Health Activist (ASHA). The centre demonstrates effective healthcare delivery across various essential services including maternal and child health, neonatal care, family planning, management of non-communicable diseases, and emergency medical services. Despite their commendable efforts, ASHAs such as Hemanti Devi encounter significant challenges such as financial instability, community resistance, and heavy workloads, highlighting the urgent need for increased support and recognition within the healthcare system. Furthermore, the Chief Health Officer (CHO) at the centre, with a background in BSc Nursing and local familiarity, plays a commendable role in bridging communication gaps and ensuring seamless patient care. The CHO's leadership contributes significantly to the centre's operational efficiency and patient satisfaction, underscoring the importance of investing in skilled healthcare personnel to sustain and enhance healthcare services at the grassroots level in Danapur district.

d. Experience from other projects/activities

Experience from Slide Deck Preparation Project

During my internship at Piramal Foundation, I had the opportunity to work on a significant project involving the preparation of a slide deck for the Household Survey conducted from 2018 to 2024. This project provided valuable insights and practical skills in data presentation and integration.

1. Data Integration and Update:

- Task: Update slides with the latest data from the 2024 Household Survey.
- Process: Incorporated data from the provided Excel sheet into the slides, ensuring accurate representation through graphs and charts.
- Learning: Gained understanding of how to integrate Excel data with PowerPoint to create dynamic and up-to-date presentations.

2. Presentation Enhancement:

- o Task: Transition slides from the previous branding (Care) to the new branding (Piramal).
- Process: Edited slides to align with Piramal's branding, including changing logos, color schemes, font sizes, and styles.
- Learning: Developed skills in making presentations visually appealing and consistent with branding quidelines.

3. Data Review and Highlighting Deviations:

- Task: Identify and mark significant deviations in data from previous years.
- o Process: Reviewed and highlighted more than 3-5% deviations in red in the Excel sheet for further review by authorities.
- o Learning: Enhanced attention to detail and understanding of the importance of highlighting key data changes for decision-making.

4. Focus on Maternal Health:

- o Specific Contribution: Worked primarily on the slides related to Maternal Health.
- o Process: Ensured that the data and visualizations accurately reflected the trends and changes in maternal health over the survey period.
- Learning: Gained in-depth knowledge about maternal health indicators and the importance of accurate data representation in healthcare presentations.

This project not only improved my technical skills in Excel and PowerPoint but also taught me the importance of clear and accurate data presentation in influencing healthcare decisions.

1. Desk Review related to my topic (Literature Review)

a. Background

Intrapartum and Postnatal care among mothers of infants aged 0-2 months

INTRODUCTION:

Intrapartum period is the time period spanning childbirth, from the onset of labor through delivery of the placenta. Intrapartum can refer to both the woman and the fetus. [1] Intrapartum care covers the care of women and their babies during labour and immediately after birth. It focuses on women who give birth between 37 and 42 weeks of pregnancy ('term').[2]

The terms "postpartum period" and "postnatal period" are often used interchangeably but sometimes separately, when "postpartum" refers to issues pertaining to the mother and "postnatal" refers to those concerning the baby. The **postnatal period** begins immediately after the birth of the baby and extends up to six weeks (42 days) after birth. [3]

Maternal mortality remains a major public health concern worldwide, especially in developing countries, hence its mention in the top 5 millennium development goals (MDGs) and in sustainable developmental goals (SDGs). Maternal mortality ratio (MMR) reduced from 556 per 100,000 live births in 1990 to 130 per 100,000 live births in 2016, but despite the considerable improvement in maternal mortality, India still continues to contribute one-fifth of the global burden of absolute maternal deaths. Basic maternal services such as antenatal care (ANC), skilled birth attendance, intrapartum care, and postnatal care (PNC) are crucial for reducing and managing pregnancy complications, and for reducing the burden of these preventable deaths. World Health Organization (WHO)

recommends that three elements of maternal health namely four or more ANC visits, delivery assisted by skilled birth attendants (SBAs), and three postnatal checkups are pivotal in any safe motherhood program in a developing country like India.[4]

Ending all preventable newborn deaths and reducing neonatal mortality to as low as 12 per 1000 live births by 2030 is the target of the United Nations' third Sustainable Development Goal (United nations, 2018). The World Health Organization (WHO) devised a comprehensive strategy of essential newborn care (ENC) intending to improve the health of newborns through interventions. Although WHO has implemented ENC as of 2004, contrary to objectives of the program, inappropriate breastfeeding practices, malnutrition, and lack of knowledge regarding newborn care among mothers has resulted in higher neonatal mortality.[5]

Inadequate quality of care, including insufficient facility readiness, and low provider skill and clinical management capacity, as evidence from low/middle-income countries (LMIC) indicates, may explain why increased utilisation alone may not have resulted in the desired reduction in adverse intrapartum outcomes.[6]

High-quality care during pregnancy, labor, delivery, and the immediate postpartum period is crucial for reducing maternal and neonatal mortality.

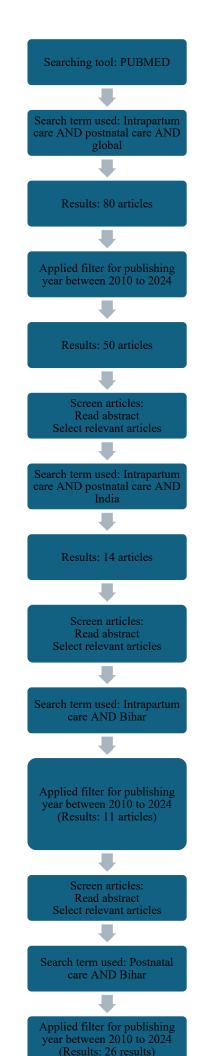
India has made significant progress in reducing maternal and new-born mortality since 2005. The health systems reforms implemented nationwide as part of the National Health Mission have averted millions of new-born deaths and saved the lives of thousands of women. Despite this declining trend, the burden of maternal and neonatal mortality remains high. The current Maternal Mortality Ratio (MMR) is 97 per 100,000 live births, and the neonatal mortality rate (NMR) is 20 per 1000 live births [3, 4]. Almost half the maternal deaths, 40% of all stillbirths, and neonatal deaths occur during labor, on the day of birth. This happens despite having a roster of proven interventions and technologies that can effectively address the causes of perinatal mortality [6–8]. While the inequitable arrangements of service delivery and inefficient health systems can be considered the root cause, poor quality of care is one of the significant contributors to the excess mortality among mothers and children. [7]

OBJECTIVE/AIM:

This work aims to identify gaps in the Indian public health system, especially in Bihar, in providing quality intrapartum and postnatal care. This is essential for evaluating the impact of current maternal and newborn health policies and setting priorities for future health system improvements.

METHODOLOGY:

A search using the PubMed database was conducted to identify relevant research articles. The 1st search term employed was "**intrapartum AND postnatal care AND Global**" which yielded 80 articles. Filter was applied to limit the search to studies published between 2010 and 2024 which gave 50 articles. Boolean operator "AND" was used to ensure all terms were present in the articles. Then search term "**Intrapartum care AND Postnatal care AND India**" was used which gave 14 articles. Later "**Intrapartum care AND Bihar**" (11 results) & "**Postnatal care AND Bihar**" (26 results) search terms were used to find additional articles. Filters were applied to limit the search to studies published between 2010 and 2024 in all searches. No MeSH terms were used to capture a broader range of articles.



b. Evidence table

Paper title Statewide implementation of a quality	Journal Journal of Global Health	Year	Study Design Observational	Study Population The study population	Sample Size Sample size is 532 in	Link https://www.nobi.nlm.n	Outcomes measured The performance of critical practices in	Summary The paper discusses the	Methodologs The methodologs involved reviewing program	Main findings The main findings include the formation of	Research Gaps	Recommendations The pager offers comprehensive policy recommendations
improvement initiative for reproductive, maternal, newborn and child health and	Journal of Global Health	2014-2017	study Descriptive and	consists of individuals in the state of	20% and E49 in 2017	ih.gov/pmc/articles/PM	EmONC (acilties following mentoring	successful implementation of a	documents, analyzing data from facility	District Quality Assurance Committees and QI		that highlight the need for ongoing development of the QI platform, creating a culture of patient safety and high-quali-
nutrition in Bihar, India			Analytical	Bihar, India	based on data from two public facility	C7753013/	and training intervention, the percentage of deliveries in public and private facilities.	quality improvement initiative in Bihar to improve PMINCHN	and household surveys to assess the QI	teams, improvements in facility infrastructure and staff distribution, significant enhancements		care, and customizing approaches to local circumstances
					assessments.		the percentage of women receiving critical screenings during prenatal care, and the prevalence of critical newborn	services, highlighting significant progress and the need for	strategies and their outcomes. The study used § 2 tests to analyze differences in data	in key practices post-training, and a shift toward more deliveries in public facilities compared to	5	
							and the prevalence of critical newborn care practices in public and private sector	continued improvement guided by data.	between 2015 and 2017.	private facilities.		
							facilities are among the outcomes measured in the stude.					
Simulation and team training embedded nurse mentoring programme and	Journal of Global Health	2017	Observational	The study population consists of	668 NSVDs from 289 public health	https://www.nobi.nlm.n	The outcomes measured in the study include facility-level intrapartum and	Climate literacy and climate education may be helpful in raising	Utilized information from CARE-India's	Significant improvement in facility-level intrapartum and newborn care practices after th	To guide sustainability and scalability eleforts, it is essential that mentoring	
improvement in intrapartum and newborn care in a low resource setting			study: Pre-and Post Comparison Study	individuals in the state of Bihar, India	facilities in Bihar that were observed for	ih.gov/pmc/articles/PM C7759018/	newborn care composite scores based on evidence-based practice indicators.	awareness among children about climate change and its many	Government of Bihar's AMANAT program,	AMANAT nurse-mentoring program. Simulatio and team-training plaged a crucial role in	n programs be thoroughly assessed at they are introduced throughout India	5
newborn care in a low resource setting in Bihar, India			Comparison Study	bihar, India	intrapartum and newborn		on evidence-based practice indicators.	olimate change and its many ramifications.	the Facility Information System (FIS), and the Department of Defense (DOD).	and team-training played a crucial role in enhancing intrapartum care practices. Overall, there was a substantial increase in intrapartum	To determine the ideal content,	
					care practices.						dosage, and duration of mentoring programs, it is	
										implementation of the program.	also necessary to examine the relative significance of various program elements, including team	
											building exercises, didactics, bedside	
											mentoring combined with simulation and skills and drills.	
Trends, Differentials, and Social	Vomens Health Rep (New Rochelle).	2020	Observational study	Vomen from rural India who		https://www.nobi.nlm.n	Four or more antenatal care visits, skilled	The paper discusses the	The methodology involved analyzing	Certain socioeconomic factors are associated with low utilization of maternal health care		The policy recommendations based on the study include
Services Utilization in Flural India:	(New Rochelle).			have utilized maternal health care services	1	ih.gov/pmc/articles/PM C9380883/	Four or more antenatal care visits, skilled birth attendance, and postnatal care	importance of maternal health care services, the factors	The methodology involved analyzing utilization trends using descriptive statistics and conducting binary logistic regression	services despite an Overall increase in utilization	n	addressing socioeconomic determinants such as illiterac advanced maternal age, high parity, belonging to schedule
An Analysis from Pooled Data								need to address disparities to	the National Family Health Survey, which are	rates. Addressing socioeconomic determinants is		tribes, rural residence, and lack of possession of a health- to improve maternal health care utilization.
								achieve sustainable development goals related to maternal mortalit	nationally representative surveys covering g over 99% of the Indian population.	crucial to achieve the goal of reducing maternal mortality.		Additionally, there is a need to focus on various socioeconomic factors to achieve the sustainable
								in rural India.		There is a positive trend in the utilization of antenatal care visits, skilled birth attendance,		developmental goal of reducing maternal mortality.
										and postnatal care over the years studied.		socioeconomic and demographic factors in maternal hea care utilization to bridge existing gaps and improve outcor
												It is recommended to continue monitoring and addressing these determinants to ensure progress towards improving
												maternal health care services in rural India.
Paper title	Journal	Year	Study Design	Study Population	Sample Size	Link	Outcomes measured	Summary	Methodologs	Main findings The main findings include the formation of	Research Gaps	Recommendations
Statewide implementation of a quality improvement initiative for reproductive,	Journal of Global Health	2014-2017	Observational studg:	The study population consists of	Sample size is 532 in 2015 and 549 in 2017,	https://www.nobi.nlm.n ih.gov/pmc/articles/PM	The performance of critical practices in EmONC facilities following mentoring	The paper discusses the successful implementation of a	The methodology involved reviewing program documents, analyzing data from facility	District Quality Assurance Committees and QI		The paper offers comprehensive policy recommendation that highlight the need for ongoing development of the QI
maternal, newborn and child health and nutrition in Bihar, India			Descriptive and Analytical	individuals in the state of Bihar, India	based on data from two public facility	C7759019/	and training intervention, the percentage of deliveries in public and private facilities.	quality improvement initiative in Bihar to improve RMNCHN	assessments, provider training interventions, and household surveys to assess the QI	teams, improvements in facility infrastructure and staff distribution, significant enhancements		platform, creating a culture of patient safety and high-qua care, and customizing approaches to local circumstance.
					assessments.		the percentage of women receiving critical screenings during prenatal care,	services, highlighting significant progress and the need for	strategies and their outcomes. The study used 3.2 tests to analyze differences in data	and staff distribution, significant enhancements in key practices post-training, and a shift toward more deliveries in public facilities compared to	s	
							and the prevalence of critical newhorn	continued improvement guided by data.	between 2015 and 2017.	private facilities.		
							care practices in public and private sector facilities are among the outcomes	U.S.				
Simulation and team training embedded	Journal of Global Health	2017	Observational	The study population	668 NSVDs from 289	https://www.nobi.nlm.n	measured in the study. The outcomes measured in the study	Climate literacy and climate	Utilized information from CARE-India's	Significant improvement in facility-level	To guide sustainability and scalability	
nurse mentoring programme and improvement in intrapartum and			study Pre and Post	consists of individuals in the state of	public health facilities in Bihar that	ih.gov/pmc/articles/PM C7759018/	include facility-level intrapartum and newborn care composite scores based	Climate literacy and climate education may be helpful in raising awareness among children about	concurrent assessment platform for the Government of Bihar's AMANAT program,	Significant improvement in facility-level intrapartum and newborn care practices after the AMANAT nurse-mentoring program. Simulatio	To guide sustainability and scalability efforts, it is essential that mentoring programs be thoroughly assessed as	s s
newborn care in a love resource setting in Bihar, India			Comparison Study	Bihar, India	were observed for intrapartum and newborn		on evidence-based practice indicators.	olimate change and its many ramifications.	the Facility Information System (FIS), and the Department of Defense (DOD).		they are introduced throughout India.	
					care practices.				and the second s	enhancing intrapatum care practices. Overall, there was a substantial increase in intrapatum and newborn care scores following the	dosage, and duration of mentoring programs, it is	
										implementation of the program.	also necessary to examine the	
											relative significance of various program elements, including team	
											building exercises, didactics, bedside mentoring combined with simulation	.[
Trends, Differentials, and Social	Womens Health Rep	4444	Observation of an 1	Vomes from and but a		hune the control	Four or more antennal decreasion of the	The paper discusses the	The methodology involved as stories	Certain socioeconomic factors are associated	and skills and drills.	The policy recommendations has a the state of the
Determinants of Maternal Health Care	(New Rochelle).	2020	coservational study	Vomen from rural India who have utilized maternal health		ih.gov/pmc/articles/PM	Four or more antenatal care visits, skilled birth attendance, and postnatal care	importance of maternal health	The methodology involved analyzing utilization trends using descriptive statistics	with low religation of maternal health care		The policy recommendations based on the study include addressing socioeconomic determinants such as illiterac
Services Utilization in Flural India: An Analysis from Pooled Data				care services		C9380883/		care services, the factors influencing their utilization, and the	and conducting binary logistic regression analysis on pooled data from three rounds of the National Family Health Survey, which are	services despite an Overall increase in utilization rates.	"	advanced maternal age, high parity, belonging to schedule tribes, rural residence, and lack of possession of a health to improve maternal health care utilization.
								need to address disparities to achieve sustainable development	the National Family Health Survey, which are nationally representative surveys covering	Addressing socioeconomic determinants is crucial to achieve the goal of reducing maternal		
								goals related to maternal mortalit in rural India.	g over 93% of the Indian population.	mortality. There is a positive trend in the utilization of		socioeconomic factors to achieve the sustainable
										antenatal care visits, skilled birth attendance,		The study underscores the importance of considering socioeconomic and demographic factors in maternal ke-
										and postnatal care over the years studied.		socioeconomic and demographic factors in maternal her
												It is recommended to continue monitoring and addressing these determinants to ensure progress towards improving
				l	-			1			1	maternal health care services in rural India.
	Journal	1			Sample Size	Link		Summary	Methodology		Besearch Gaps	Recommendations
Paper title Can Flip-Chart Assisted Maternal	Maternal and Child	2016-2017	Study Design Randomized	Study Population Primigravida women	The sample size in the	https://www.nobi.nlm.	Outcomes measured The main or primary outcome measured	The paper evaluates the	The methodologs involved a single blind	Main findings Postnatal flip-chart-assisted maternal	Lack of universal adoption of	Recommendations Imployee ENC training that will preserve consistency in the unowledge and abilities imparted on ENC. Following the EN
Education Improve Essential New	Health Journal		controlled trial with	(women who became pregnant	stude was 120	nih.gov/pmc/articles/	in the study is the impact of postnatal flip-	effectiveness of flip-chart	parallel randomized controlled trial with 120 primits wides, allocation to intermediate and	education significantly improved ENC skills		moviledge and abilities imparted on ENC. Following the EN exactice on their newborns, mothers will also have the
Born Care Knowledge and Skills? A Randomized Controlled Trial			a single-blind parallel design	for the frst time) who	participants in each	35 2022 Article 340	FNC skills of mothers Knowledge	education in improving essential newborn care knowledge and	control groups, administration of a pretested questionnaire within 24 hours post-delivery,	The intervention group showed enhanced breastfeeding techniques, warm care skills,	Loss of knowledge and skill domains after antenatal education	shance to address any questions or concerns they may
				vaginally delivered full-term babies	group.		scores at the end of 6 months, exclusive breastfeeding rates, warm care	skills, highlighting persistent		hygiene practices, and better recognition of	due to a long interval between	save.
				weighing 2500 gm or more were included in the			practices, hand hygiene practices, ability to recognize danger signs in newborns.	knowledge gaps among postpartum women and	intervention group, observation of ENC skills, assessment of knowledge retention	control group.	education and practical application. Ineffectiveness of healthcare	
				immediate postpartum period after			to recognize danger signs in newborns, incidence of illness among infants,	demonstrating sustained effects of the intervention for 6 months	skills, assessment of knowledge retention after 6 months, and data analysis using IBM SPSS. Statistical tests like Mann-Whitney U.	Maternal education immediately after delivery had a lasting impact on ENC knowledge and	Ineffectiveness of healthcare workers in caring for lactating mothers, leading to lower scores in	
				informed consent.					or oo, ocationeal resis like invarian winning O,		mothers, leading to lower scores in	
								post-delivery.	Wilcoxon signed-rank, Spearman's	practices, leading to reduced rates of illness in	knowledge and skill domains.	
l .				III CHINA COMPIN.				post-delivery.	correlation, and chi-squared test were used	practices, leading to reduced rates of illness in early infancy.	knowledge and skill domains. Breastfeeding and EBF failure were the result of mothers' assiets	
				moning consent.				post-delivery.	Vilocoon signed-rank, Spearman's correlation, and chi-squared test were used for analysis.		brought on by advice that did not	
									correlation, and chi-squared test were used for analysis.		brought on by advice that did not take into account the expectations and experiences of primiparous	
Evaluating the effect of care around labor and delivery practices on early	Patel et al. Reprod Health	2010-2013	Observational study	The study population	750,848 live births.	https://pubmed.ncbi.n	Early neonatal mortality rates (days 0-6 of life) and its association with the	The paper discusses the	correlation, and chi-squared test were used for analysis. NICHD's Global Network's (GNI) Maternal		brought on by advice that did not take into account the expectations and experiences of primiparous	in order to lower avoidable nevborn deaths, these indicators could be used to identify facilities that require greater
labor and delivery practices on early neonatal mortality in the Global Network's Maternal and Newborn	Patel et al. Reprod Health	2010-2013	Observational study	The study population consists of pregnant women enrolled in the MM-MD habitage 2010 and	150,848 live births.		Early neonatal mortality rates (days 0-6 of life) and its association with the presence of all 8 Care Around Delivery (CADI) indicators.	The paper discusses the importance of specific care practices during delivery in refusion earned. It most tills and	correlation, and chi-squared test were used for analysis. NICHID's Global Network's (GNI) Maternal Newborn Health Registry (MMI-RF) regulatly collected data on five intrapartum and three post-bastum practices infediotors	The chance of neonatal death was found to be reduced by 19% when all eight Care Around Delivery (CAD) indicators were present.	the result of mothers areases brought on by advice that did not take into account the espectations and esperiences of primiparous it is difficult to compare results among different states because of differences in design and approach	could be used to identify facilities that require greater compliance to ENC practices.
labor and delivery practices on early neonatal mortality in the Global	Patel et al. Reprod Health	2010-2013	Observational study	The study population consists of pregnant women enrolled in the MM-IIP between 2010 and 2013, across multiple sites	150,848 live births.		Early peonatal mortality rates (days 0-6 of life) and its association with the presence of all 8 Care Around Delivery (CAD) indicators.	The paper discusses the importance of specific care practices during delivery in refusion earned. It most tills and	cocrelation, and chi-squared test were used for analysis. NICHET's Global Network's (GN) Maternal Newborn Health Registry (White PR) regularly collected data on line in trapatum and three proctypatum practices (inclusions).	The chance of neonatal death was found to be reduced by 19% when all eight Care Around Delivery (CAD) indicators were present.	the result of mothers areases brought on by advice that did not take into account the espectations and esperiences of primiparous it is difficult to compare results among different states because of differences in design and approach	could be used to identify facilities that require greater compliance to ENC practices.
labor and delivery practices on early neonatal mortality in the Global Network's Maternal and Newborn	Patel et al. Preprod Health	2010-2013	Observational study	The study population consists of pregnant women enrolled in the MNHH between 2010 and 2013, across multiple sites including Argentina, Guatemala, India IN Naour	150,848 live births.		presence of all 8 Care Around Delivery (CAD) indicators.	The paper discusses the importance of specific care practices during ellivery in reducing neonstal mortally and the need for a composite index to measure the effectiveness of Essential Meeborn Care	correlation, and chi-spaared test were used for analysis. NIC-RC's Global Network's (GM) Maternal Newborn Health Registry (NM-RC) gealanty collected data on five intrapartum and collected data on five intrapartum aproporties protections of the commended as part of RIV. Determined and any other commended as part of RIV. Determined on the commended as part of RIV. Determined of the commended as part of RIV. Determined on the commended as part of RIV. Determined on the commended as part of RIV. Determined on the commended as the comm	The chance of neonatal death was found to be reduced by 15% when all eight Care Around Delivery (CAD) indicators were present.	the result of mother's anovery throught on by advice that did not take into account the expectations and experiences of primiparous it is difficult to compare results among different stakes because of differences in design and approach and outcomes. To address priority measures, guidance is required.	could be used to identify facilities that require greater complance to ENC practices. To enhance the quality of care surrounding delivery and mprove neonatal outcomes, more research is required to dentify and rank the indicators. In order to enable quick quality assessment and implement
labor and delivery practices on early neonatal mortality in the Global Network's Maternal and Newborn	Patel et al. Preprod Health	2010-2013	Observational studg	The study population consists of pregnant women enrolled in the MM-IIP between 2010 and 2013, across multiple sites	150,048 live births.		presence of all 8 Care Around Delivery (CAD) indicators.	The paper discusses the importance of specific care practices during delivery in reducing necessary delivery in reducing necessary and a specific care the need for a composite indext or measure the effectiveness of Essential Newsorm Care practices, highlighting a 185 reduction in renewal amountain section.	correlation, and oil-squared test were used for analysis. Oil-RC's Global Metwork's (GM) Maternal Metwork (16 (GM) Matern	The chance of neonstal death was found to be three-based by 15% when all right Care Around Delivery (CAD) indicators were present.	the resur of mother's anovely throught on by advice that did not take into account the expectations to depresence of primparous it is difficult to compare results among different states because of differences in design and approach and outcomes. To address priority measures, guidance is required. This study suggests that not all lights all similars of CAII practices.	could be used to identify facilities that require greater compliance to ENC practices. To enhance the quality of ears surrounding delivery and mprove neonatal outcomes, more research is required to dentify and rank the indicators. In order to enable quick quality assessment and implement has delivered to progress or the progress of the progress of the land of the progress of the progress of the progress of the land of the progress of the progress of the progress of the land of the progress of the progress of the progress of the progress of progress of progr
labor and delivery practices on early neonatal mortality in the Global Network's Maternal and Newborn	Patel et al. Reprod Health	2010-2013	Observational study	The study population consists of pregnant women enrolled in the MNHH between 2010 and 2013, across multiple sites including Argentina, Guatemala, India IN Naour	150,848 live births.		presence of all 8 Care Around Delivery (CAD) indicators.	The paper discusses the importance of specific care practices during ellivery in reducing neonstal mortally and the need for a composite index to measure the effectiveness of Essential Meeborn Care	correlation, and chi-spaared test were used for analysis. NIC-RC's Global Network's (GM) Maternal Newborn Health Registry (NM-RC) gealanty collected data on five intrapartum and collected data on five intrapartum aproporties protections of the commended as part of RIV. Determined and any other commended as part of RIV. Determined on the commended as part of RIV. Determined of the commended as part of RIV. Determined on the commended as part of RIV. Determined on the commended as part of RIV. Determined on the commended as the comm	The chance of reconstal death was found to be reduced by 15% when all right Care Around Delivery (CAD) indicators were present.	he relation of michaels' alteries' procession of the procession of the public has did not toolk and an account the expectations and experiences of primiparous its difficult to compare results among different states because of differences in design and approach and coulcomes. To address priority measures, it is a discount to a difference priority measures, it is a discount to a difference priority measures, it is stated to a difference priority measures. It is study supposed that not all clinically significant CAD practices may improve the contromer for the bables in the same way. Therefore, results composite indices of	could be used to identify facilities that require greater compliance to EIM practices. To enhance the quality of case surrounding delivery and myrove normal soutcomers, more research is required to dentify and rank the indicators; more than the practice of the practice of the practice of the design and transition of the practice of the state of the practice of the practice of the sense of sense of sen
labor and delivery practices on early neonatal mortality in the Global Network's Maternal and Newborn	Patel et al. Peprod Health	2010-2013	Observational study	The study population consists of pregnant women enrolled in the MNHH between 2010 and 2013, across multiple sites including Argentina, Guatemala, India IN Naour	150,848 live births.		presence of all 8 Care Around Delivery (CAD) indicators.	The paper discusses the importance of specific care practice during delivery in reducing neonatal mortality and the need for a composite index to describe the need for a composite index to describe the need for a composite index of Essential Mewborn Care practices, highlighting a 1805 reduction in neonatal mortality with the presence of all 8 Care	correlation, and oil-squared test were used for analysis. Oil-RC's Global Metwork's (GM) Maternal Metwork (16 (GM) Matern	The chance of reconstal death was found to be reduced by 15% when all right Care Around Delivery (CAD) indicators were present.	the relation of michies's statesia, council, and and post council, and pad of the council of the pad of the council of the pad of the council	could be used to identify is callities that require graster compliance to EIN. packines. To enhance the quality of care surcounding delivery and propose on could suit content, more research is required to dentify and such that folia stors. All and that the indicators. Sale deliver addoor in propose outcomes, concentrate on the content of the propose outcomes, concentrate on reasoning statistics and and invalidate indicators of a sailing- scare duality of care as the time of below. Evaluating additional factors like the availability of supplies content of the proposed outcomes, consideration of properties and content of the content of the content of properties of the content of the content of properties of the content of the content of properties of the content of properties of the content of properties of properties properties of properties of properties properties of properties properties of properties properties of properties properties of properties
labor and delivery practices on early neonatal mortality in the Global Network's Maternal and Newborn	Patel et al. Pieprod Health	2010-2013	Observational study	The study population consists of pregnant women enrolled in the MNHH between 2010 and 2013, across multiple sites including Argentina, Guatemala, India IN Naour	150,040 live births.		presence of all 8 Care Around Delivery (CAD) indicators.	The paper discusses the importance of specific care practice during delivery in reducing neonatal mortality and the need for a composite index to describe the need for a composite index to describe the need for a composite index of Essential Mewborn Care practices, highlighting a 1805 reduction in neonatal mortality with the presence of all 8 Care	correlation, and oil-squared test were used for analysis. Oil-RC's Global Metwork's (GM) Maternal Metwork (16 (GM) Matern	The chance of reconstal death was found to be reduced by 15% when all right Care Around Delivery (CAD) indicators were present.	he result or indulents assessing coupled only side with a district coupled only side with a district and experiment of primiparous and experiment of primiparous to a district and a district among different states because of the district states because of the district states because of the district states are and outcomes. To adders principare day approach and outcomes. To adders principare of the public states are public and the public states of the district states of the the the the the the the the	could be used to identify is callities that require greater ormpliance to REN, packines. To enhance the quality of care surrounding delivery and propose normal automoses, more research is required to dentify and sain, the indicators. In the propose outcomes, concertainty and implement and anything the propose outcomes, concertainty on reasoning statistics and anything the propose outcomes, concertainty on reasoning statistics and anything the proposed outcomes, consent proposed outlying or used the time to blank. Evaluating additional factors like the availability of supplies, or could list of improving the measurement of quality of supplies, or could list of improving the measurement of pulling the or could list of improving the measurement of pulling the or could list of improving the measurement of pulling the or could list of improving the measurement of pulling the or could list of improving the measurement of pulling the or could list of indicators that have they are the pulling that the pulling that the pulling the pulling that the pulling that the pulling that the pulling that the pulling that the pulling that the pulling that the pul
labor and delivery practices on early neonatal mortality in the Global Network's Maternal and Newborn	Patel et al. Piegrod Health	2010-2013	Observational study	The study population consists of pregnant women enrolled in the MNHH between 2010 and 2013, across multiple sites including Argentina, Guatemala, India IN Naour	150,048 live births.		presence of all 8 Care Around Delivery (CAD) indicators.	The paper discusses the importance of specific care practice during delivery in reducing neonatal mortality and the need for a composite index to describe the need for a composite index to describe the need for a composite index of Essential Mewborn Care practices, highlighting a 1805 reduction in neonatal mortality with the presence of all 8 Care	correlation, and oil-squared test were used for analysis. Oil-RC's Global Metwork's (GM) Maternal Metwork (16 (GM) Matern	The chance of reconstal death was found to be reduced by 15% when all right Care Around Delivery (CAD) indicators were present.	he result or indulents assessing coupled only side with a district coupled only side with a district and experiment of primiparous and experiment of primiparous to a district and a district among different states because of the district states because of the district states because of the district states are and outcomes. To adders principare day approach and outcomes. To adders principare of the public states are public and the public states of the district states of the the the the the the the the	could be used to identify is citilities that require greater proprietate to IEEE, prosities; or or hander the quality of care surrounding delivery and delivery and the control of the country of the country of the selecting and rath the indicators; exercise the country of the country of the country of the indicators; and country of the country of the indicators of the country of the country of the passed quality of care at the time of being. Evaluating additional laters like the waitablikey of supplies, programme, and medications in various locations, which may consider the country of the country of the programme, and medications in various locations, which may consider a country of the programme, and medications in various locations.
labor and delivery practices on early neonatal mortality in the Global Network's Maternal and Newborn	Patel et al. Riggrod Health	2010-2013	Observational study	The study population consists of pregnant women enrolled in the MNHH between 2010 and 2013, across multiple sites including Argentina, Guatemala, India IN Naour	150,848 live births.		presence of all 8 Care Around Delivery (CAD) indicators.	The paper discusses the importance of specific care practice during delivery in reducing neonatal mortality and the need for a composite index to describe the need for a composite index to describe the need for a composite index of Essential Mewborn Care practices, highlighting a 1805 reduction in neonatal mortality with the presence of all 8 Care	correlation, and oil-squared test were used for analysis. Oil-RC's Global Metwork's (GM) Maternal Metwork (16 (GM) Matern	The chance of reconstal death was found to be reduced by 15% when all right Care Around Delivery (CAD) indicators were present.	he result or indulents assessing coupled only side with a district coupled only side with a district and experiment of primiparous and experiment of primiparous to a district and a district among different states because of the district states because of the district states because of the district states are and outcomes. To adders principare day approach and outcomes. To adders principare of the public states are public and the public states of the district states of the the the the the the the the	could be used to identify is callities that require greater ormpliance to REN, packines. To enhance the quality of care surrounding delivery and propose normal automoses, more research is required to dentify and sain, the indicators. In the propose outcomes, concertainty and implement and anything the propose outcomes, concertainty on reasoning statistics and anything the propose outcomes, concertainty on reasoning statistics and anything the proposed outcomes, consent proposed outlying or used the time to blank. Evaluating additional factors like the availability of supplies, or could list of improving the measurement of quality of supplies, or could list of improving the measurement of pulling the or could list of improving the measurement of pulling the or could list of improving the measurement of pulling the or could list of improving the measurement of pulling the or could list of improving the measurement of pulling the or could list of indicators that have they are the pulling that the pulling that the pulling the pulling that the pulling that the pulling that the pulling that the pulling that the pulling that the pulling that the pul
labor and delivery practices on early neonatal mortality in the Global Network's Maternal and Newborn	Potel et al. Pieprod Health		Observational study	The study population consists of pregnant connection to the MANN Program of Brigarum P. Pakstra, Kenya, and Zambia.			presence of all 8 Care Around Delivery (CAD) indicators.	The paper discusses the importance of specific care practice during delivery in reducing neonatal mortality and the need for a composite index to describe the need for a composite index to describe the need for a composite index of Essential Mewborn Care practices, highlighting a 1805 reduction in neonatal mortality with the presence of all 8 Care	correlation, and oil-squared test were used for analysis. Oil-RC's Global Metwork's (GM) Maternal Metwork (16 (GM) Matern	The chance of reconstal death was found to be reduced by 15% when all right Care Around Delivery (CAD) indicators were present.	he result or indulents assessing coupled only side with a district coupled only side with a district and experiment of primiparous and experiment of primiparous to a district and a district among different states because of the district states because of the district states because of the district states are and outcomes. To adders principare day approach and outcomes. To adders principare of the public states are public and the public states of the district states of the the the the the the the the	could be used to identify is utilised that require greater or productions to EUP programs. Some could give a production of programs of EUP programs or consideration of the programs of the europe of the europe of the could be entirely as the entire of the entire of the things of the entire of the entire of the things of the entire of the entire of the entire greater greater of the entire of the entire of the entire of the greater of the greater of the
Licor and delivergrantice on early one could mortising in a Global between 3. Millermal and Newborn shahift Registry D. Paper title C. An India's privagues a clottles	Health			The study population consists of pregnant connection to the MANN Program of Brigarum P. Pakstra, Kenya, and Zambia.	Sample Size	Liek https://ijusus.nchi.nlm	outcomes measured As a measure of the minimum facility	The paint decrease the importance of specific case importance of specific case of specific	contration, 'and obligacined test were used for margins. MC-EPT 6 00-bit Network 1 (RNI) Inhammal Newborn he shall Registrary (RNI) Inhammal Newborn (RNI) Inhammal Newb	The chance of accounted depth was found to be reduced by 10% often all eight Clare Account Delivery (CACI) indicators were present. Main Hindings A title over 50% of CACI)	her level or individes always and the control of individes always and the control of the expectations and experience of primiparous and experience of experien	could be used to identify lacilities that require greater or organization to EUR processors could be greater to rechange for the part of the country of the part o
Libor and deviser grantice on neight of the Chical Residual Post State of the Chical Health Registry and Henden Health Registry and Henden Health Registry Chical Registry and Chical Registry and Chical Registry and Chica				The study population consists of pregnant connection to the MANN Program of Brigarum P. Pakstra, Kenya, and Zambia.	Sample Size 55% primary health coenters (FPFC) and 45% commany health	Link	Deteomes measured As a measured As a measured As a measured As a measured the minimum issifty measured As a measured when the minimum issifty measured the minimum issued to the	The paper discusses the importance of practice days global practice days global case processes and practice days global practice days g	contestion, and obsequated test were used for investigate. MC-CD 7. Global Network 7. [Gibl] Moternal Newborn health Registry (MoRP) (Pepulsing collected data on health Registry (MoRP) (Pepulsing collected data of health Registry (MoRP) (The chance of accordad death was bound to be redecided by the other all right Claim Accord Deliverg (CAO) indicators were present. Main findings Altife own 30% of PPES and 5% of CPES	the result or infoliers always to infoliers always to infoliers always to the control of the presentation and epinience of primiparous and epinience of primiparo	could be used to identify leading in the require grade in implicate to EVE processors. The country of the country of processors of the country of the country of the country of implicate the country of the country of the country of the country of the country of the country of the country of the the country of the the country of the the country of the the the country of the the the the the the the the
Libor and delivergrancisco on selly one constant motion of the Global Health Registry and Nicolan Health Registry and Nicolan Health Registry and Nicolan Health Registry and Nicolan Michael Registry and Nicolan Michael Registry and Nicolan Michael Registry and Nicolan Michael Registry				The study population consists of pregnant connection to the MANN Program of Brigarum P. Pakstra, Kenya, and Zambia.	Sample Size 8539 girmay health centers (FM-12) and	Link https://kmw.nchi.nlm. https://kmw.nchi.	Ontcome: measured As a neutre of the infirmt solid capability in impartment.	The pulper discourse the importance of practice care importance of practice days given the practice of the pra	contestion, 'and obsequired test were used for margin. MD-ED'S (0)-bit Metrouth's (001) Maternal Rendoom In-testin Registers (001) Maternal Rendoom In-testin Rendoom In-testi	The chance of accounted depth was found to be reduced by 10% often all eight Clare Account Delivery (CACI) indicators were present. Main Hindings A title over 50% of CACI)	he result or induses always and the country of the	could be used to identify leadings that require grades or productions to the leading services are recording delivery and reprove expensive services. The country and reprove expensive services are recorded to delivery and reprove expensive services and respect to delivery and reprove expensive services. The country are recorded to the co
Libor and evilvergrancise on selfs of the object of the ob				The study population consists of pregnant connection to the MANN Program of Brigarum P. Pakstra, Kenya, and Zambia.	Sample Size 55% primary health coenters (FPFC) and 45% commany health	bitest library nobi nim nih goolomel tatislest PMCS88814661	Detection of all Cust Annual Delivery (CAS) indicators. Detections measured As a master of the minimum helps annuals refer to a system of the minimum helps annuals refer to a system of a s	The paper discusses the importance of piscellic care produced drugs discholor as produced drugs discholor piscellic care produced mortality and control piscellic care produced mortality and control piscellic care produced mortality and control piscellic care produced drugs discholor piscellic care produced piscellic produced piscellic care produced piscellic care produced piscellic produced pisceli	contestion, and obsequated test were used for investigate. MC-CD 5 (Sohal Network 5 (Sol)) Maternal Network in which the second	The chance of accordad death was bound to be redecided by the channel and pight Claim Accord Deliverg (CAO) indicators were present. Main findings Astitic own 30% or PPEDs and 5% or CPEDs required they dish or you do not present the pight of your death pight of your death pight of your death pight or you do not present they dish you do a gain paya partial. The greaters page view or the propty of the presence and washelding of th	her level or inchester always grow on inchester always grow and a prevention of the expectations and expensions of the expectations and expensions of the expectations and expensions of the expectations of the expectation o	could be used to identify leadilise that require grain unputs of the Time Section of Control of the Control of
Libor and deviser practice on early more and process of the Global Health Registry and of Hendeum Health Registry and Health Registry				The study population consists of pregnant connection to the MANN Program of Brigarum P. Pakstra, Kenya, and Zambia.	Sample Size 55% primary health coenters (FPFC) and 45% commany health	Link https://kmw.nchi.nlm. https://kmw.nchi.	Ontcome: measured As a neutre of the infirmt solid capability in impartment.	The paper discusses the importance of specific case processes of specific case processes designed in the processes of specific case processes discussed processes of specific case of specific ca	contestion, and obsequient less twee used for aways: MOLEC 5 Blocks Harvook 1 (100) Maternal Neurona was a second of the second	The chance of reconstal death was found to be reduced by the channel eight Clare Alouad Delevery (CACI) indicators were present. Main findings: A title row 50x of PFLS and 5x of CACI an	the result or influenter altering the result of influenter altering the second of the	could be used to identify leadilists that require grain unput productions to the leading street countries of the leading and improve should obtain the leading street that the leading street production of the leading street that the leading street street that the leading street that the leading street that driven as below to improve obtaining, concerns an used graining of early in the leading street production of leading street graining of early at the time of bear street graining of early at the time of bear street graining of early at the time of bear second to find the leading street that second to the leading street that the leading of case the countries of the leading street second to find street the leading street production street that the leading street production street that the leading street the leading street street and the leading street street and the street street street and the street street street and the street street street and the street
Libor and devivery service on early one could mortally in the Obobu- teach Registry D. Pager title Can fair primary some scales Can fair primary some scales deviver A course-colonal assegment of assegment o				The study population consists of pregnant connection to the MANN Program of Brigarum P. Pakstra, Kenya, and Zambia.	Sample Size 55% primary health coenters (FPFC) and 45% commany health	Link https://kmw.nchi.nlm. https://kmw.nchi.	Datcomes measured As a measure of the minimum losity capability of integration or a measured. As a measure of the minimum losity capability of integration care, a second capability of integration c	The paper discourses the importance of practice care importance of practice care parties droing advanced to the care of the ca	contration, 'and obsequated test were used for margins. MC-ECT 6 Global Mercock 1 (GNI) Inharmal Inha	The chance of reconstal death was found to be reduced by the channel eight Clare Alouad Delevery (CACI) indicators were present. Main findings: A title row 50x of PFLS and 5x of CACI an	he result or influente allestig to de la constante de la cons	could be used to identify is solline that require grains management to EMP solline solline that require grains improve should obtain the solline solline solline solline growers and obtained. The solline
Libor and devivery service on early one could mortally in the Obobu- teach Registry D. Pager title Can fair primary some scales Can fair primary some scales deviver A course-colonal assegment of assegment o				The study population consists of pregnant connection to the MANN Program of Brigarum P. Pakstra, Kenya, and Zambia.	Sample Size 55% primary health coenters (FPFC) and 45% commany health	Link https://kmw.nchi.nlm. https://kmw.nchi.	Datcomes measured As a measure of the minimum losity capability of integration or a measured. As a measure of the minimum losity capability of integration care, a second capability of integration c	The paper discusses the importance of paper discusses the importance of paper discusses the paper discusses design discharge and the case for a composite individual form of the case for a composite individual for the case of the case	contestion, 'and obsequated test were used for awaysts. MC-CF 5 (Subal Nervolt *) (SIS) (Maternal Nervolt +) (SIS) (Maternal Ner	The chance of anomalal depth was (sound to be redecided by the other and eight Clare Allowed Delivery (CACI) indicators were present. Make Niedlings Allies over 30x of PETEs and 50x of CHEZ reported flow (short of the chance) and the chance of the chan	the feet of on infoliets' always to the feet of on infoliets' always to the control of the contr	could be used to identify is solline that require grains management to EMP solline solline that require grains improve should obtain the solline solline solline solline growers and obtained. The solline
Libor and devivery service on early one could mortally in the Obobu- teach Registry D. Pager title Can fair primary some scales Can fair primary some scales deviver A course-colonal assegment of assegment o				The study population consists of pregnant connection to the MANN Program of Brigarum P. Pakstra, Kenya, and Zambia.	Sample Size 55% primary health coenters (FPFC) and 45% commany health	Link https://kmw.nchi.nlm. https://kmw.nchi.	Datcomes measured As a measure of the minimum losity capability of integration or a measured. As a measure of the minimum losity capability of integration care, a second capability of integration c	The paper discusses the importance of paper discusses the importance of paper discusses the paper discusses design discharge and the case for a composite individual form of the case for a composite individual for the case of the case	contestion, 'and obsequated test were used for awaysts. MC-CF 5 (Subal Nervolt *) (SIS) (Maternal Nervolt +) (SIS) (Maternal Ner	The chance of reconstal death was found to be reduced by the channel eight Clare Alouad Delevery (CACI) indicators were present. Main findings: A title row 50x of PFLS and 5x of CACI an	he result on indusers always to the country of the	could be used to identify leadilists that require grain unput productions to the leading street countries of the leading and improve should obtain the leading street that the leading street production of the leading street that the leading street street that the leading street that the leading street that driven as below to improve obtaining, concerns an used graining of early in the leading street production of leading street graining of early at the time of bear street graining of early at the time of bear street graining of early at the time of bear second to find the leading street that second to the leading street that the leading of case the countries of the leading street second to find street the leading street production street that the leading street production street that the leading street the leading street street and the leading street street and the street street street and the street street street and the street street street and the street
Libor and deviser practice on early more and process of the Global Health Registry and of Hendeum Health Registry and Health Registry				The study population consists of pregnant connection to the MANN Program of Brigarum P. Pakstra, Kenya, and Zambia.	Sample Size 55% primary health coenters (FPFC) and 45% commany health	Link https://kmw.nchi.nlm. https://kmw.nchi.	Datcomes measured As a measure of the minimum losity capability of integration or a measured. As a measure of the minimum losity capability of integration care, a second capability of integration c	The paper discusses the importance of paperlis case processes of paperlis case processes designed diships the industry and explored designed diships the industry and explored designed diships the industry and explored designed des designed designed designed designed des designed des designed designed des des des des designed des des des des des designed des des des des des des des des des d	contration, 'and obsequated test were used for aways. MC-CF 5 (Sohal Network 1) (SOI) Maternal Network with the solid production of the solid product	The chance of reconstal death was found to be reduced by the channel eight Clare Alouad Delevery (CACI) indicators were present. Main findings: A title row 50x of PFLS and 5x of CACI an	he feetud on indulest always to the country of the	could be used to identify leadilists that require grain unput productions to the leading street countries of the leading and improve should obtain the leading street that the leading street production of the leading street that the leading street street that the leading street that the leading street that driven as below to improve obtaining, concerns an used graining of early in the leading street production of leading street graining of early at the time of bear street graining of early at the time of bear street graining of early at the time of bear second to find the leading street that second to the leading street that the leading of case the countries of the leading street second to find street the leading street production street that the leading street production street that the leading street the leading street street and the leading street street and the street street street and the street street street and the street street street and the street
Libor and deviser practice on early more and process of the Global Health Registry and of Hendeum Health Registry and Health Registry				The study population consists of pregnant connection to the MANN Program of Brigarum P. Pakstra, Kenya, and Zambia.	Sample Size 55% primary health coenters (FPFC) and 45% commany health	Link https://kmw.nchi.nlm. https://kmw.nchi.	Datcomes measured As a measure of the minimum losity capability of integration or a measured. As a measure of the minimum losity capability of integration care, a second capability of integration c	The paper discusses the importance of paperillo case importance of paperillo case produced design delivers in particular delivers in the seed for a composite delivers assess the efficiency seed on the seed of a composite delivers on the seed of a filter deviction in sectional mortality with the presence of all filter deviction in sectional mortality with the presence of all filters and another deviction in section pages of the seed of the	contration, 'and obsequated test were used for awayste. MC-MC 5 (Subus Harvesh's (108) Maternal Neurona was the state of	The chance of reconstal death was found to be reduced by the channel eight Clare Alouad Delevery (CACI) indicators were present. Main findings: A title row 50x of PFLS and 5x of CACI an	the result or influenter altering the result or influenter altering the control of the result of the control of the	could be used to identify leadilists that require grain unput productions to the leading street countries of the leading and improve should obtain the leading street that the leading street production of the leading street that the leading street street that the leading street that the leading street that driven as below to improve obtaining, concerns an used graining of early in the leading street production of leading street graining of early at the time of bear street graining of early at the time of bear street graining of early at the time of bear second to find the leading street that second to the leading street that the leading of case the countries of the leading street second to find street the leading street production street that the leading street production street that the leading street the leading street street and the leading street street and the street street street and the street street street and the street street street and the street
Libor and delivery parcise on a rainy more and more large in the Obabi Health Registry and Hendeum Health Registry and Health Registry				The study population consists of pregnant connection to the MANN Program of Brigarum P. Pakstra, Kenya, and Zambia.	Sample Size 55% primary health coenters (FPFC) and 45% commany health	Link https://kmw.nchi.nlm. https://kmw.nchi.	Datcomes measured As a measure of the minimum losity capability of integration or a measured. As a measure of the minimum losity capability of integration care, a second capability of integration c	The paper discusses the importance of paperillo case importance of paperillo case produced design delivers in particular delivers in the seed for a composite delivers assess the efficiency seed on the seed of a composite delivers on the seed of a filter deviction in sectional mortality with the presence of all filter deviction in sectional mortality with the presence of all filters and another deviction in section pages of the seed of the	contration, 'and obsequated test were used for aways. MC-ECT 6 (block) Metrocok 1 (fills) Maternal Revision in statistic registers (1994) (block) and the statistic registers (1994) (block) and the statistic registers (1994) (block) and the statistic registers (1994) (block) and 2010. Revealed as part of EMC between 2010 and 2010. Revealed as accessed whether continued as part of EMC between 2010 and 2010. Revealed as accessed whether continued as part of EMC between 2010 and 2010. Revealed as accessed whether continued as a second College of Company (1994) (block) and the statistic registers and a revealed as a second College of Company (1994) (block) and a revealed as a revealed as a second College of Company (1994) (block) and the statistic registers (1994) (block) and the statistic registers (1994) (block) and the statistic registers (1994) (block) and college of company produced as a published as a second college of company produced as a published as a second college of company produced as a published as a	The chance of reconstal death was found to be reduced by the channel eight Clare Alouad Delevery (CACI) indicators were present. Main findings: A title row 50x of PFLS and 5x of CACI an	he result on inchests always the control on inchests always and the control of the expectations and experiences of primiparous or primiparous and experiences of primiparous or primiparous and experiences of primiparous counters of primiparous and experiences and	could be used to identify leadilists that require grain unput productions to the leading street countries of the leading and improve should obtain the leading street that the leading street production of the leading street that the leading street street that the leading street that the leading street that driven as below to improve obtaining, concerns an used graining of early in the leading street production of leading street graining of early at the time of bear street graining of early at the time of bear street graining of early at the time of bear second to find the leading street that second to the leading street that the leading of case the countries of the leading street second to find street the leading street production street that the leading street production street that the leading street the leading street street and the leading street street and the street street street and the street street street and the street street street and the street
Libor and delivery parcise on a rainy more and more large in the Obabi Health Registry and Hendeum Health Registry and Health Registry				The study population consists of pregnant connection to the MANN Program of Brigarum P. Pakstra, Kenya, and Zambia.	Sample Size 55% primary health coenters (FPFC) and 45% commany health	Link https://kmw.nchi.nlm. https://kmw.nchi.	Datcomes measured As a measure of the minimum losity capability of integration or a measured. As a measure of the minimum losity capability of integration care, a second capability of integration c	The paper discusses the importance of paperillo case importance of paperillo case produced design delivers in particular delivers in the seed for a composite delivers assess the efficiency seed on the seed of a composite delivers on the seed of a filter deviction in sectional mortality with the presence of all filter deviction in sectional mortality with the presence of all filters and another deviction in section pages of the seed of the	contestion, 'and obsequated test were used for awaysts. MC-CF 5 (Subal Nervolt *) (SII) Maternal Nervolt has have been seen to the second of	The chance of reconstal death was found to be reduced by the channel eight Clare Alouad Delevery (CACI) indicators were present. Main findings: A title row 50x of PFLS and 5x of CACI an	the result or influenter altering the result or influenter altering the control of the result of the control of th	could be used to identify leadilists that require grain unput productions to the leading street countries of the leading and improve should obtain the leading street that the leading street production of the leading street that the leading street street that the leading street that the leading street that driven as below to improve obtaining, concerns an used graining of early in the leading street production of leading street graining of early at the time of bear street graining of early at the time of bear street graining of early at the time of bear second to find the leading street that second to the leading street that the leading of case the countries of the leading street second to find street the leading street production street that the leading street production street that the leading street the leading street street and the leading street street and the street street street and the street street street and the street street street and the street
boo and deviser practice on early more and process of the Global Health Registry and of Hendeun Health Registry and Hendeun Health Registry and Hendeun Health Registry and Hendeun Health Registry and Health	Accumal BRA Cyan			The study population consists of pregnant connection to the MANN Program of Brigarum P. Pakstra, Kenya, and Zambia.	Sample Size 55% primary health coenters (FPFC) and 45% commany health	Unix. Internal Press and Service (Application Activation (Application Activat	Deteomers measured As a measure of the minimum solidly automatical measured of the solid or all structured and the solid or all structured and the solid of the solid or all structured and the solid or all solid or all structured and the solid or all solid o	The paper discourses the importance of paper discourses the importance of paper discourses the importance of paper discourses the study paper and informating and the ended for a composite hidden to the ended for a composite hidden to paper paper and the paper paper and the paper paper and the paper paper and the paper paper paper paper and the paper pa	contration, 'and obsequated test were used for aways. MC-EV's Global Network 1 (Risk) Inflatental Revisions in statistics of the statisti	The chance of resconded death was found to be reduced by 18% often all eight Clark Acound Delevery (CACI) Indicators were present. Makin Reddings A little cover 30% of PRE2 and 8% of CACIC response to the property of the	he result on informers always growth or the control of michaels always growth or the control of the expectations and experiences of primipatoral and primipat	could be used to identify is utilised the require greater or greater to the compliance to EID. Francisco. The compliance to the color to Indianous to EID. Francisco. The compliance to EID.
Libor and evilvergrancisc on selfs of Cobb Health Registry D. Paper kilds Can indust primary one scolera season and self-self-self-self-self-self-self-self-	Journal SM: Pressure on the SM: Pressure on th		Study Design Chast-sectional s	The study population consists of pregnant connection to the MANN Program of Brigarum P. Pakstra, Kenya, and Zambia.	Sample Size 55% primary health coenters (FPFC) and 45% commany health	Link Impatibres scholarit in political scholarit in politica	Datcomes measured As a measure of the minimum looky capacity of company or capacity ca	The paper discourses the importance of paperlic dark importance of paperlic dark importance of paperlic dark paperlic darking discherion dark paperlic darking discherion dark dark importance of paperlic dark importance dar	contration, 'and obsequated test were used for aways. MS-ECT 5 (S) obj. M Network 1 (SIM) Maternal Rendom In each 18 (Signing 19 (MeV) (S	The chance of accounted depth was found to be reduced to the reduced by 10% often all sight Clare Account Delivery (CACI) indicators were present. Make Nadional State State (CACI) and account of the state of the	he result or individual satisfaction on the control of mothers along the control of the control	could be used to identify inclinist the regain gratery compliance to EVE practices, concording delivery and improve second ordered. The concept of the proper second ordered to the control of the proper second ordered to the control of the control ordered to the control of the control ordered to th
Indicate delivery success on self-section of ecological processing of Global Personal Increasing and Global Health Registry and Francisco Section 1997. Pagest listle Call holders primary sever scaled and delivery of the section o	downal BN4 Cpan BN4 Cpan BN6 Preguarog and c Chelders		Study Design Cross-sectional s	The study population consists of pregnant connection to the MANN Program of Brigarum P. Pakstra, Kenya, and Zambia.	Sample Size 55% primary health coenters (FPCs) and 6400 commaning health	Intelligence and the second of	Deteomers measured As a measure of the minimum Isolity summarised minimum	The paper decreases the importance of parcellor case produced using delivery to the control of the parcel case of parcellor case parcelor case dependence design delivery to the control of the case o	contration, 'and chi-squared test were used for margin." MCHET'S Global Network 5 (RNI) Inflatemal Network and the state of the state	The chance of resconded death was found to be reduced by 18% often all eight Clark Acound Delevery (CACI) Indicators were present. Makin Reddings A little cover 30% of PRE2 and 8% of CACIC response to the property of the	There exists the service of the control of the cont	could be used to identify inclinist that require grain requirements and the production of the producti
boo and elevier practice on early encounted moting to the Octob Health Registry D. Peper kittle Can indust primary one scotlers Can indust primary one scotlers assessment of the octob Health Registry Description of the octob Health Registry Approximate Authority and the octob Health Registr	downal BN4 Cpan BN4 Cpan BN6 Preguarog and c Chelders		Study Design Chast-sectional s	The study population consists of pregnant connection to the MANN Program of Brigarum P. Pakstra, Kenya, and Zambia.	Sample Size 55% primary health coenters (FPCs) and 6400 commaning health	Link Impatibres scholarit in political scholarit in politica	Datcomes measured As a measure of the minimum locity capacity of extrapartum care, a process capacity and the makes de- today be a measured of the minimum locity capacity of extrapartum care, a process capacity and the makes de- today high care to extrapartum care, a process capacity and the makes de- today high care to extrapartum care, a process capacity and the makes de- today high care to extrapartum care, a process capacity and the makes de- today to extrapartum care, a process capacity and the makes de- today to extrapartum care, a process capacity and the makes de- today to extrapartum care de- This crudy aims to review Liddings' capacity or evaluate the quality of use provided to moders and review.	The paper decreases the importance of parcellor case produced using delivery to the control of the parcel case of parcellor case parcelor case dependence design delivery to the control of the case o	contration, 'and obsequated test were used for aways. MS-ECT 5 (S) obj. M Network 1 (SIM) Maternal Rendom In each 18 (Signing 19 (MeV) (S	The chance of anomala deph was broad to be reduced to be reduced by Box dam all sight Clark Allowed Delivery (CACI) indicators were present. Make Rindings All title over 30% of PFLS and 50% of CMCS reported flow glind or some sight of the country of the count	There exists the service of the control of the cont	could be used to identify leading in the require grain requirement of the properties
Indicate delivery success on self-section of ecological processing of Global Personal Increasing and Global Health Registry and Francisco Section 1997. Pagest listle Call holders primary sever scaled and delivery of the section o	downal BN4 Cpan BN4 Cpan BN6 Preguarog and c Chelders		Study Design Cross-sectional s	The study population consists of pregnant connection to the MANN Program of Brigarum P. Pakstra, Kenya, and Zambia.	Sample Size 55% primary health coenters (FPCs) and 6400 commaning health	Link Uses allows and other produced produced (1915-1980-1986) publicate (1915-1980-1986) publicate (1915-1980-1986) publicate (1915-1980-1986) publicate (1915-1980-1986) publicate (1915-1986) publi	Concesses a measured Obscience of all I Care Annual Diebersy (Anti) indicators Obscience of an increase of an	The paper discusses the importance of paper discusses the importance of paper discusses the importance during discharge and paper discusses the discharge of the paper discharge of the	contration, 'and chi-squared test were used for margin." MCHET'S Global Network 5 (RNI) Inflatemal Network and the state of the state	The chance of reconstal death was found to be reduced by this client all sight Clare About Delivery (CACI) indicators were present. After one of the control of the contro	The search Capes The search C	could be used to identify leadings that require grain required to the required parties of the required
Indicate delivery success on self-section of ecological processing of Global Personal Increasing and Global Health Registry and Francisco Section 1997. Pagest listle Call holders primary sever scaled and delivery of the section o	downal BN4 Cpan BN4 Cpan BN6 Preguarog and c Chelders		Study Design Cross-sectional s	The study population consists of pregnant connection to the MANN Program of Brigarum P. Pakstra, Kenya, and Zambia.	Sample Size 55% primary health coenters (FPCs) and 6400 commaning health	Link Uses allows and other produced produced (1915-1980-1986) publicate (1915-1980-1986) publicate (1915-1980-1986) publicate (1915-1980-1986) publicate (1915-1980-1986) publicate (1915-1986) publi	Detcomes measured As a measure of the minimum Isolity common before the minimum Isolity common before the minimum Isolity common before the minimum Isolity common Isolity	The paper discusses the importance of piscellic care produced and piscellic care produced doing advantage of piscellic care produced doing advantage of piscellic care produced and piscellic care pro	contration, 'and chi-squared test were used for margin." MCHET'S Global Network 5 (RNI) Inflatemal Network and the state of the state	The chance of anomala deph was broad to be reduced to be reduced by Box dam all sight Clark Allowed Delivery (CACI) indicators were present. Make Rindings All title over 30% of PFLS and 50% of CMCS reported flow glind or some sight of the country of the count	Revealed Cape Reveal	could be used to identify leading in the require grain requirement of the properties
Indicate delivery success on self-section of ecological processing of Global Personal Increasing and Global Health Registry and Francisco Section 1997. Pagest listle Call holders primary sever scaled and delivery of the section o	downal BN4 Cpan BN4 Cpan BN6 Preguarog and c Chelders		Study Design Cross-sectional s	The study population consists of pregnant connection to the MANN Program of Brigarum P. Pakstra, Kenya, and Zambia.	Sample Size 55% primary health coenters (FPCs) and 6400 commaning health	Link Uses allows and other produced produced (1915-1980-1986) publicate (1915-1980-1986) publicate (1915-1980-1986) publicate (1915-1980-1986) publicate (1915-1980-1986) publicate (1915-1986) publi	Concesses a measured Obscience of all I Care Annual Diebersy (Anti) indicators Obscience of an increase of an	The paper decreases the importance of paper decreases the importance of paper decreases the importance design deficies of paper decreases the importance design decreases the importance of paper decreases the importance of page decreases the importance of page decreases the importance of page decreases and page decreases the importance of page decreases and	contration, 'and chi-squared test were used for margin." MCHET'S Global Network 5 (RNI) Inflatemal Network and the state of the state	The chance of anomala deph was broad to be reduced to be reduced by Box dam all sight Clark Allowed Delivery (CACI) indicators were present. Make Rindings All title over 30% of PFLS and 50% of CMCS reported flow glind or some sight of the country of the count	he result on inchests always to the centre of mothers always to the centre of the cent	could be used to identify inclinist that require grain requirements and the production of the producti
Libor and devisery service on early executed mortising to the Global Health Registry and Newtonian Health Registry and Newtonian Health Registry (Calin Baker primary pere legislate deliver A conce-ectional services and service	downal BN4 Cpan BN4 Cpan BN6 Preguarog and c Chelders		Study Design Cross-sectional s	The study population consists of pregnant connection to the MANN Program of Brigarum P. Pakstra, Kenya, and Zambia.	Sample Size 55% primary health coenters (FPCs) and 6400 commaning health	Link Uses allows and other produced produced (1915-1980-1986) publicate (1915-1980-1986) publicate (1915-1980-1986) publicate (1915-1980-1986) publicate (1915-1980-1986) publicate (1915-1986) publi	Concesses a measured Obscience of all I Care Annual Diebersy (Anti) indicators Obscience of an increase of an	The paper discourses the importance of papellic care importance of papellic care papers designed of papellic care papers designed devine and the seed for a composite heider to importance of the papers of the pape	contration, 'and chi-squared test were used for margin." MCHET'S Global Network 5 (RNI) Inflatemal Network and the state of the state	The chance of anomala deph was broad to be reduced to be reduced by Box dam all sight Clark Allowed Delivery (CACI) indicators were present. Make Rindings All title over 30% of PFLS and 50% of CMCS reported flow glind or some sight of the country of the count	he result or influente alleung has been alleung on influente alleung has been alleung has b	could be used to identify inclinist that require grain requirements and the production of the producti
bio and delivery parcise on only one constitution of the Cloud Health Registry and the the Cloud Hea	downal BN4 Cpan BN4 Cpan BN6 Preguarog and c Chelders		Study Design Cross-sectional s	The study population consists of pregnant connection to the MANN Program of Brigarum P. Pakstra, Kenya, and Zambia.	Sample Size 55% primary health coenters (FPCs) and 6400 commaning health	Link Uses allows and other produced produced (1915-1980-1986) publicate (1915-1980-1986) publicate (1915-1980-1986) publicate (1915-1980-1986) publicate (1915-1980-1986) publicate (1915-1986) publi	Concesses a measured Obscience of all I Care Annual Diebersy (Anti) indicators Obscience of an increase of an	The paper discourses the importance of practice day importance of practice day good for particular days good practice daying gold on the reservice of a composite index of the importance of practice daying gold on the reservice of the paper	contration, 'and chi-squared test were used for margin." MCHET'S Global Network 5 (RNI) Inflatemal Network and the state of the state	The chance of anomala deph was broad to be reduced to be reduced by Box dam all sight Clark Allowed Delivery (CACI) indicators were present. Make Rindings All title over 30% of PFLS and 50% of CMCS reported flow glind or some sight of the country of the count	he result on influente allevier, allevier, allevier, allevier, and and personnel and experience of primipational and primipation	could be used to identify inclinist that require grain requirements and the production of the producti
bio and delivery parcise on only one constitution of the Cloud Health Registry and the the Cloud Hea	downal BN4 Cpan BN4 Cpan BN6 Preguarog and c Chelders		Study Design Cross-sectional s	The study population consists of pregnant connection to the MANN Program of Brigarum P. Pakstra, Kenya, and Zambia.	Sample Size 55% primary health coenters (FPCs) and 6400 commaning health	Link Uses allows and other produced produced (1915-1980-1986) publicate (1915-1980-1986) publicate (1915-1980-1986) publicate (1915-1980-1986) publicate (1915-1980-1986) publicate (1915-1986) publi	Concesses a measured Obscience of all I Care Annual Diebersy (Anti) indicators Obscience of an increase of an	The paper decreases the importance of paper decreases the importance of paper decreases the importance design deficies of paper decreases the pape	contration, 'and chi-squared test were used for margin." MCHET'S Global Network 5 (RNI) Inflatemal Network and the state of the state	The chance of anomala deph was broad to be reduced to be reduced by Box dam all sight Clark Allowed Delivery (CACI) indicators were present. Make Rindings All title over 30% of PFLS and 50% of CMCS reported flow glind or some sight of the country of the count	The earth Cape: The ea	could be used to identify leading in the require grain requirement of the properties
bio and delivery parcise on early executed modeling in the Global Health Registry and Misself Registry and American Section 1997. The Misself Registry and Regi	Governal GPA Open GPA Op	Year	Study Design Cross-sectional a	The study population consists of pregnant consists	Sample Size (5%) princip bash (10%) princip bash (10%) comuning ba	Intelligence and so the second	Discomers measured As a measure of the minimum solidly purposed of the Comment of the minimum solidly purposed of the comment of the minimum solidly purposed of the comment of the minimum solidly purposed of the comment of t	The paper decreases the importance of paper decreases the importance of paper decreases the importance design deficies of paper decreases the pape	contration, and obsequated test were used for awayste. MC-ECT 600-bit Network 1 (Ris) Inflatment Interdomment with Registrary (Ris) Inflatment Interdomment with Registrary (Ris) Inflatment Interdomment with Registrary (Ris) Interdomment (Ri	The chance of revioual depth was found to be reduced by the chancel by the chance	Research Cape Resear	could be used to identify leading the require grain or produces to IEEE particles. The country of the production of the
bio and delivery parcise on early executed modeling in the Global Health Registry and Misself Registry and American Section 1997. The Misself Registry and Regi	Governal GPA Open GPA Op	Year	Study Design Cross-sectional a	The study population consists of pregnant consists of headth vooletes	Sample Stat (SS) complete (SS) (400 community to alth (400 community to alth consec (CAC) in India consec (CAC) in India Community to alth consec (CAC) in India	Lines Was such also, the Control of	Concesses a measured Obscience of all I Care Annual Diebersy (Anti) indicators Obscience of an increase of an	The paper decreases the importance of paper decreases the importance of paper decreases the importance of paper decreases and paper decreases the paper decreases and paper decreases the service of paper decreases the service of paper decreases the service of paper decreases the paper decreases the service of paper decreases the paper decreases	contration, and obsequated test were used for awayste. MC-ECT 600-bit Network 1 (Ris) Inflatment Interdomment with Registrary (Ris) Inflatment Interdomment with Registrary (Ris) Inflatment Interdomment with Registrary (Ris) Interdomment (Ri	The chance of revioual depth was found to be reduced by the chancel by the chance	Research Cape Resear	could be used to identify leading the require grain or produces to IEEE particles. The country of the production of the
bo and delivery service on early executed mostly and official hashing received mostly and the color hashing an	Governal GPA Open GPA Op	Year	Study Design Cross-sectional a	The study population consists of pregnant consists	Simple Size (50) yeary tash (50) yeary tash (410 community tash) exercise (51-K-j) in India From the social \$144 or mash worker soci	Intelligence and so the second	Discomers measured As a measure of the minimum solidly purposed of the Comment of the minimum solidly purposed of the comment of the minimum solidly purposed of the comment of the minimum solidly purposed of the comment of t	The paper discourses the importance of paperlic design and importance of paperlic case produced design and the need for a composite heided to make the paper of t	contration, 'and obsequated test were used for awayste. MoCHE's Global Network 1 (Risk) Inflatemal Revisions in statistics of the statist	The chance of revioual death was found to be reduced by the chance of several death of the chance of	Research Cape Resear	could be used to identify leading the require grain or produces to IEEE particles. The country of the production of the
boo and delivery services on early executed most layer to Goods Health Registry D. Pepert hits Can lodar 5 prinsing oue skolders Can lodar 5 prinsing oue	Governal GPA Open GPA Op	Year	Study Design Cross-sectional a	The study population consists of pregnan consists of pregnan consists of pregnan commen recorded in the and 20th, series multiple sites faculting flagorants of pregnant flagorants flagorant flagorants flagoran	Sample Size (503 primary leath control (PWC) and control (PWC) in the paticipated in the patici	Intelligence and so the second	Discomers measured As a measure of the minimum solidly purposed of the Comment of the minimum solidly purposed of the comment of the minimum solidly purposed of the comment of the minimum solidly purposed of the comment of t	The paper discusses the importance of piscellic care produced and piscellic care produced depending and the seed for a composite indicate in the seed for a composite indicate in the seed for a composite indicate in the seed of a composite in the seed of a	contration, and obsequated test were used for aways. MS-ED'S (B)old Meteoria's (Bill) Maternal Rendom In-test the Registry (Publish) (Contration of the Publish) (Contrat	The chance of recorded death vise found to be reduced by this client all sight Cure About Death and the Change (CACI) indicators were present. Make Rindleys Altitle over CACI) indicators were present. Altitle over CACI indicators were present. Altitle over the cacinot in the present of the present of the cacinot in the present in the present of the pre	Research Cape Resear	could be used to identify leading the require grain coupling to the District position of the require grain coupling to the District position of Posit
boo and delivery services on early executed most layer to Goods Health Registry D. Pepert hits Can lodar 5 prinsing oue skolders Can lodar 5 prinsing oue	Governal GPA Open GPA Op	Year	Study Design Cross-sectional a	The study population consists of pregnant pregna	Sample State (SS) possip hash (SS) possip hash	Intelligence and so the second	Discomers measured As a measure of the minimum solidly purposed of the Comment of the minimum solidly purposed of the comment of the minimum solidly purposed of the comment of the minimum solidly purposed of the comment of t	The paper decreases the importance of paper decreases the importance of paper decreases the importance of paper decreases of paper decreases the importance of page decreases and page	contration, 'and obsequated test were used for awaysts. MC-CF 5 (Sohal Network 1) (SSI) Maternal Network 1 (SSI) Materna	The chance of revioual death was found to be reduced by the chance of several death of the chance of	Research Cape Resear	could be used to identify isolation that require grader or progradures to IDET particles convocating delivery and programme that the programme that the programme that delivery that the programme that the programme that delivery that the programme that delivery that delivery that the programme that delivery that that delivers action to improve outcomes, concerning and that delivers action to improve outcomes, concerning and that delivers action to improve outcomes, concerning that delivers action to improve outcomes, concerning that delivers action to improve outcomes, concerning that delivers of the programme that delivers of the programme that delivers in various to location, which in programme, and delivers in various to location, which in proper conditions that the programme that the programme that the programme that the delivers that the programme that the programme that the programme that the programme that the delivers that the programme that the programme that the delivers that the programme that the programme that the programme that the programme that the delivers that the programme that the programme that the delivers the programme that the programme that the delivers the programme that the programme
bio and delivery services on early executed more large in Cobbin Health Registry Pagest labe Pagest labe Challed Stranger and Association Stranger and Strange	Feeable GRAC Perspanses and State Common and State Commo	Year 2000-202	Checky Design Chost-sectional a Observational study Descriptive study Computed S	The study population consists of pregnant consists of pregnant consists of pregnant commen encoded in the and 20th, server smalple sites including flagoration conducting flagoration conducting flagoration and Biologian programs of Biologian p	Sample Size (505 primary brash control pWC) and control and	bine illean nech nin. ch quoline in nech nin. ch quoline in nech nin. ch quoline in nech nin. ch quoline illean nech nin. ch qu	Discomers measured As a measure of the minimum Isolity and the control of the co	The paper discourses the importance of piscellic care produced for piscellic care produced from the produced for piscellic care produced from global care for piscellic care produced from global care for the piscellic care produced from the piscellic care produced	contration, 'and obsequated test were used for awaysts. MC-CF 5 (Sohal Network 1) (SSI) Maternal Network 1 (SSI) Materna	The chance of resconded do the ver found to be reduced by the chance of second do the vertical behavior of the chance of the cha	Research Cape Resear	could be used to identify is suffice that require grater could be required to the compliance to BUT application could be used to identify a sufficient country of good proposed to the country of the cou
boo and delivery services on early executed most layer to Goods Health Registry D. Pepert hits Can lodar 5 prinsing oue skolders Can lodar 5 prinsing oue	Governal GPA Open GPA Op	Year	Checky Design Chost-sectional a Observational study Descriptive study Computed S	The study population consists of pregnant consists of health workers making minibres.	Sample Size SSS prompt waits Control of the Contr	International Conference of the Conference of th	Detromes measured Outcomes measured As a naspare of the community of the	The paper discusses the importance of piscellic care produced and piscellic care produced depending and the seed for a composite incident of the seed for a composite incident of the seed for a composite incident on the seed of the seed for a composite incident on the seed of the seed for a composite incident on the seed of the seed for a practices, highlighting as the discinction in second an forusity of the seed of the se	contration, and obsequated test were used for awaysts. MC-CDT (Block) Meteroak 1 (Bill) Meternal Revolution is which the second of the second	The chance of recorded death vise found to be redecided by this client all sight Client Acoust Death and the control of the co	Research Cape Resear	could be used to identify is active the require grader or production to the complete control of the control of the complete control of the control of the complete control of the control
Libor and delivery parcise on one year content of motion of the Chable Health Program of the Chable Hea	Feeable GRAC Perspanses and State Common and State Commo	Year 2000-202	Checky Design Chost-sectional a Observational study Descriptive study Computed S	The study population consists of pregnant consists of health workers making minibres.	Sample Size (505) prinspl sability (105) prinspl sab	bine illean nech nin. ch quoline in nech nin. ch quoline in nech nin. ch quoline in nech nin. ch quoline illean nech nin. ch qu	Discomes measured As a measure of the minimum solidly authorized to the minimum solid solid solid to the minimum solid sol	The paper discusses the importance of piscellic care produced and piscellic care produced depending and the seed for a composite incident of the seed for a composite incident of the seed for a composite incident on the seed of the seed for a composite incident on the seed of the seed for a composite incident on the seed of the seed for a practices, highlighting as the discinction in second an forusity of the seed of the se	contration, and obsequated test were used for awaysts. MC-CDT (Block) Meteroak 1 (Bill) Meternal Revolution is which the second of the second	The chance of recorded death vise found to be redecided by this client all sight Client Acoust Death and the control of the co	Research Cape Resear	could be used to identify isolities that require grains or compliance to BITE particles consorted globers and requirements of the property of the particles o
Libor and deviser practice on early measured mortality on the Global Health Registry Paper title Clash half primary pare soldines dever A report color of the Global Health Registry Clash half primary pare soldines dever A report color of the Global Health Registry Appraising Luft primary pare soldines dever A report color of the Global Health Registry Appraising Luft primary parents and the foliage paids for basis of devery and resolution sensitives a	Feeable GRAC Perspanses and State Common and State Commo	Year 2000-202	Checky Design Chost-sectional a Observational study Descriptive study Computed S	The study population consists of pregnant consists of health workers making minibres.	Sample Size SSS prompt waits ceres (PKS) in size 480 commany text ceres (PKS) in size ce	International Conference of the Conference of th	Detromes measured Outcomes measured As a naspare of the community of the	The paper discusses the importance of practice day importance of practice day in part of the paper discusses the importance of practice days global on the paper discusses the importance of practice days global on the paper discusses the importance of practices and paper discusses the importance of practices, paper discusses the importance of practices, paper discusses the importance of practices and mortality and particles are paper discusses. The paper significance of mortality and paper discusses the paper significance of practices of paper discusses the pap	contration, and obsequated test were used for awaysts. MC-CDT 6 (both Mercout 's (601) Maternal Residency in the second of the	The chance of recordal death via Found to be reduced by this client and sight Clare Acoust Death and State of the Death and State of the Clare Acoust Death and State of the Death and State of the Clare Acoust Death and State of the Death and State of the Clare Acoust Death and State Office of the Clare Acoust Death and State Office O	Research Cape Resear	could be used to identify is active the require grader compliance to IDEs particular common and produced to IDES particular common and continues to IDES particular common and continues to IDES particular common and continues to IDES particular common and co
Libor and deviser practice on early measured mortality on the Global Health Registry Paper title Clash half primary pare soldines dever A report color of the Global Health Registry Clash half primary pare soldines dever A report color of the Global Health Registry Appraising Luft primary pare soldines dever A report color of the Global Health Registry Appraising Luft primary parents and the foliage paids for basis of devery and resolution sensitives a	Feeable GRAC Perspanses and State Common and State Commo	Year 2000-202	Checky Design Chost-sectional a Observational study Descriptive study Computed S	The study population consists of pregnant consists of health workers making minibres.	From the total 1242 From the	International Conference of the Conference of th	Discomers measured An a measure of the minimum solidly and the control of the co	The paper discourses the importance of paperlic design and importance of paperlic case importance of paperlic case paperlic during discharged the paperlic	contration, and obsequated test were used for awaysts. MC-CDY 6 (both Marroad *) (601) Maternal Residency in Assistance of the Contration	The chance of revioual death was found to be reduced by the chance of revioual death was found to be reduced by the chance of sight Clare Alouad Delevery (CAO) indicators were present. Makin fluidings A little over 30% of PFECs and 50x of CHCC reported fluid properties of the chance of the cha	Research Cape Resear	could be used to identify is soldies that require grades required to identify is soldies that require grades required to identify its proposed to the proposed of the proposed
Libor and deviser practice on early measured mortality on the Global Health Registry Paper title Clash half primary pare soldines dever A report color of the Global Health Registry Clash half primary pare soldines dever A report color of the Global Health Registry Appraising Luft primary pare soldines dever A report color of the Global Health Registry Appraising Luft primary parents and the foliage paids for basis of devery and resolution sensitives a	Feeable GRAC Perspanses and State Common and State Commo	Year 2000-202	Checky Design Chost-sectional a Observational study Descriptive study, Computed Study, Comp	The study population consists of pregnant consists of health workers making minibres.	Sample Size SSS prompt waits ceres (PKS) prompt waits ceres (PKS) in this delivery service of the service of t	International Conference of the Conference of th	Discomers measured An a measure of the minimum solidly and the control of the co	The paper discourses the importance of paperlic design and importance of paperlic case importance of paperlic case paperlic during discharged the paperlic	contration, and obsequated test were used for awaysts. MC-CDY 6 (both Mercout 's (601) Maternal Revolution is white the second of the second	The chance of revioual death was found to be reduced by the chance of revioual death was found to be reduced by the chance of sight Clare Around Deathers (CAD) India starts were present. Makin fluidings A little over 30% of PFECs and 50% of CHCC reported fluid of the chance of th	Research Cape Resear	could be used to identify isolation that require grader or production to the Company of the Com
Libor and deviser practice on early measured mortality on the Global Health Registry Paper title Clash half primary pare soldines dever A report color of the Global Health Registry Clash half primary pare soldines dever A report color of the Global Health Registry Appraising Luft primary pare soldines dever A report color of the Global Health Registry Appraising Luft primary parents and the foliage paids for basis of devery and resolution sensitives a	Feeable GRAC Perspanses and State Common and State Commo	Year 2000-202	Checky Design Chost-sectional a Observational study Descriptive study, Computed Study, Comp	The study population consists of pregnant consists of health workers making minibres.	From the total 1242 From the	International Conference of the Conference of th	Discomers measured An a measure of the minimum solidly and the control of the co	The paper discusses the importance of parellic case importance of all Curt Anound Diviewey indicators. The paper significant importance of all Curt Anound Diviewey indicators. The paper significant importance of all Curt Anound Diviewey indicators. The paper significant importance of all Curt Anound Diviewey indicators. In the parellic case in the	contration, and obsequated test were used for awaysts. MC-CDY 6 (both Mercout 's (601) Maternal Revolution is white the second of the second	The chance of revioual death was found to be reduced by the chance of revioual death was found to be reduced by the chance of sight Clare Around Deathers (CAD) India starts were present. Makin fluidings A little over 30% of PFECs and 50% of CHCC reported fluid of the chance of th	Research Cape Resear	could be used to identify isolation that require grader or production to the Company of the Com
Libor and deviser practice on early measured mortality on the Global Health Registry Paper title Clash half primary pare soldines dever A report color of the Global Health Registry Clash half primary pare soldines dever A report color of the Global Health Registry Appraising Luft primary pare soldines dever A report color of the Global Health Registry Appraising Luft primary parents and the foliage paids for basis of devery and resolution sensitives a	Feeable GRAC Perspanses and State Common and State Commo	Year 2000-202	Checky Design Chost-sectional a Observational study Descriptive study, Computed Study, Comp	The study population consists of pregnant consists of health workers making minibres.	Sample Size (50) prinspl salts (80) prinspl	International Conference of the Conference of th	Discomers measured An a measure of the minimum solidly and the control of the co	The paper discusses the importance of parellic case importance of all Curt Anound Diviewey indicators. The paper significant importance of all Curt Anound Diviewey indicators. The paper significant importance of all Curt Anound Diviewey indicators. The paper significant importance of all Curt Anound Diviewey indicators. In the parellic case in the	contration, and obsequated test were used for awaysts. MC-CDY 6 (both Marroad *) (601) Maternal Residency in Assistance of the Contration	The chance of recorded death was found to be reduced by this client and eight Client Acoust Death and the Change of the Client Acoust Death and the Change of the Client Acoust Death and the Client Death and the C	Research Cape Resear	could be used to identify isolation that require grader or production to the Company of the Com
Libor and deviser practice on early measured mortality on the Global Health Registry Paper title Clash half primary pare soldines dever A report color of the Global Health Registry Clash half primary pare soldines dever A report color of the Global Health Registry Appraising Luft primary pare soldines dever A report color of the Global Health Registry Appraising Luft primary parents and the foliage paids for basis of devery and resolution sensitives a	Feeable GRAC Perspanses and State Common and State Commo	Year 2000-202	Checky Design Chost-sectional a Observational study Descriptive study, Computed Study, Comp	The study population consists of pregnant consists of health workers making minibres.	Sample Size (50) prinspl salts (80) prinspl	International Conference of the Conference of th	Discomers measured An a measure of the minimum solidly and the control of the co	The paper discusses the importance of parellic case importance of parellic case importance of parellic case importance of parellic case in the case of	contration, and obsequated test were used for awaysts. MC-CDY 6 (both Marroad *) (601) Maternal Residency in Assistance of the Contration	The chance of recorded death was found to be reduced by this client and eight Client Acoust Death and the change (CACI) indicators were present. After own 50% of PEPC and 50% of DESC reported by the change of th	Research Cape Resear	could be used to identify leading the require grain or compliance to BETS particles monotological delivery and propose not provide the common of the provide propose not and provide the common of the common of the common of the common of the common of the common of the common of the
Libor and deviser practice on early measured mortality on the Global Health Registry Paper title Clash half primary pare soldines dever A report color of the Global Health Registry Clash half primary pare soldines dever A report color of the Global Health Registry Appraising Luft primary pare soldines dever A report color of the Global Health Registry Appraising Luft primary parents and the foliage paids for basis of devery and resolution sensitives a	Feeable GRAC Perspanses and State Common and State Commo	Year 2000-202	Checky Design Chost-sectional a Observational study Descriptive study, Computed Study, Comp	The study population consists of pregnant consists of health workers making minibres.	Sample Size (50) prinspl salts (80) prinspl	International Conference of the Conference of th	Discomers measured An a measure of the minimum solidly and the control of the co	The paper discourse the importance of pacific care importance of pacific care pacific days good on the case (or a composite hidden) and the seed (or a composite hidden of pacific care importance of all Care Anound Dalvery Indiana care i	contration, and obsequated test were used for awaysts. MC-CDY 6 (both Marroad *) (601) Maternal Residency in Assistance of the Contration	The chance of recorded death was found to be reduced by this client and eight Client Acoust Death and the change (CACI) indicators were present. After own 50% of PEPC and 50% of DESC reported by the change of th	Research Cape Resear	could be used to identify leading the require grain or compliance to BETS particles monotological delivery and propose not provide the common of the provide propose not and provide the common of the common of the common of the common of the common of the common of the common of the
Libor and delivery parcise on one year content of motion of the Chable Health Program of the Chable Hea	Feeable GRAC Perspanses and State Common and State Commo	Year 2000-202	Checky Design Chost-sectional a Observational study Descriptive study, Computed Study, Comp	The study population consists of pregnant consists of health workers making mishines.	Sample Size (50) prinspl salts (80) prinspl	International Conference of the Conference of th	Discomers measured An a measure of the minimum solidly and the control of the co	The paper discusses the importance of practice day and protection of practice day and protect daying addition of practice daying addition of practice daying addition of practice daying addition of the seed for a composite indicate of the seed	contration, and obsequated test were used for awaysts. MC-CDY 6 (both Marroad *) (601) Maternal Residency in Assistance of the Contration	The chance of recorded death was found to be reduced by the change of sight Clark About Delivery (CACI) indicators were present. A title over 200 or IPPC2 and 50 or OPC2 or OPPC2 or	Research Cape Resear	could be used to identify isolation that require grader or production to the Company of the Com
bio and delivery particle or neigh occurs of neight of Childham of	Feeable GRAC Perspanses and State Common and State Commo	Year 2000-202	Checky Design Chost-sectional a Observational study Descriptive study, Computed Study, Comp	The study population consists of pregnant consists of health workers making mishines.	Sample Size (50) prinspl salts (80) prinspl	International Conference of the Conference of th	Discomers measured An a measure of the minimum solidly and the control of the co	The paper discusses the importance of practice day and protection of practice day and protect daying addition of practice daying addition of practice daying addition of practice daying addition of the seed for a composite indicate of the seed	contration, and obsequated test were used for awaysts. MC-CDY 6 (both Marroad *) (601) Maternal Residency in Assistance of the Contration	The shares of revokated death was found to be reduced by the cheered by the cheer	Research Cape Resear	could be used to identify is callete that require grater or compliance to IDE's particles. Amounted globers and propose normal columns are considered to the columns of the propose normal columns, more research is required to the columns of the columns of the columns of the design plant plant the idea of the columns of the design plant plant the plant of the columns of the threat plant plant the columns of the columns of the design plant plant plant of the columns of the design plant plant plant of the columns of the plant plant pl
bid or addelivery service on early executed motified in Chichal executed motified in Chichal executed motified in Chichal executed motified in Chichal executed in Chichal executed in Chichal executed in Chichae executed in Chi	Journal Biblio Pregnancy and Children Address Agency and Juliana and Birth Address Cypen	Year 2000-202	Checky Design Chost-sectional a Observational study Descriptive study, Computed Study, Comp	The study population consists of pregnant consists of health workers making minkvers, and 2 armids. Bredg Propulation. Bredg Propulation. To be study population consists of health workers are consisted as a consist of health workers are consists of health workers are consisted as a consist of health workers are consists of health workers are consists of health workers are consists of health workers.	Sample Star GRS companies GRS companies 489 community lavel 489 community lavel 489 community lavel 689 community 689 c	Line Comment of the C	Child preference of all Cuan Anomal Dislovery (CRS) preferences on an extract of a contract of a con	The paper discusses the importance of practice days gold on practice days gold on the reservoir of practice days gold on the reservoir of practice days gold only in part of the paper practice days gold only in part of the paper practice, the pape	contration, and obsequent dest were used for awaysts. MC-CDY 6 (bold Meterod * (bild) Meterod Revolution and American Meterodors (bild) M	The chance of recorded death view found to be redecided by this client and sight Client Acoust Death and the control of the co	The seat of the degree of the seat of the	could be used to identify is abilities that require greater unprojection to IDE against common deposition of the company and t
bid or addressing sectors on early executed motivating to the Cloud Health Registry Pages table Calculator's primary are statistics as a control of the Cloud Health Registry Calculator's primary are statistics as a control of the Cloud Health Registry Apparation of the Calculator's primary are statistics as a control of the Calculator's primary are statistics as a control of the Calculator's primary are statistics as a control of the Calculator's primary are statistics as a control of the Calculator's primary are statistics as a control of the Calculator's primary are statistics as a control of the Calculator's primary are statistics as a control of the Calculator's primary are statistics as a control of the Calculator's primary are statistics as a control of the Calculator's primary are statistics as a control of the Calculator's primary are statistics as a control of the Calculator's primary are statistics. The area of COVICS 50 on the growing of the Calculator's primary area of the Calculator's prima	Journal Biblio Pregnancy and Children Address Agency and Juliana and Birth Address Cypen	Year 2000-202	Circas-sectional at the Circas	The study population consists of pregnant consists of health workers making mishines.	From the total 1242 From the	International Conference of the Conference of th	Discontes measured As a measure of the minimum solidy aumanian of the minimum solidy aumania	The paper discourse the importance of pacelloc are proportioned of pacelloc are partied design global or global or partied global or global o	contration, and oble-guared test were used for awayste. Moche's global Network (200) Internal Network (200) Inter	The chance of recorded death was found to be reduced by the channel edge of the Annual Channel	Hereauch Gaps The country of the co	could be used to identify skiller that require greater unprojections to the greater part of the properties of the greater part
bid or addressing sectors on early executed motivating to the Cloud Health Registry Pages table Calculator's primary are statistics as a control of the Cloud Health Registry Calculator's primary are statistics as a control of the Cloud Health Registry Apparation of the Calculator's primary are statistics as a control of the Calculator's primary are statistics as a control of the Calculator's primary are statistics as a control of the Calculator's primary are statistics as a control of the Calculator's primary are statistics as a control of the Calculator's primary are statistics as a control of the Calculator's primary are statistics as a control of the Calculator's primary are statistics as a control of the Calculator's primary are statistics as a control of the Calculator's primary are statistics as a control of the Calculator's primary are statistics as a control of the Calculator's primary are statistics. The area of COVICS 50 on the growing of the Calculator's primary area of the Calculator's prima	Journal Biblio Pregnancy and Children Address Agency and Juliana and Birth Address Cypen	Year 2000-202	Characteristics	The study population consists of pregnant consists of pregnant consists of pregnant commen recorded in the and 20th, server smalple sites because of pregnant control of the control of th	Sample Size Stample Size SSS prompt wash ceres (SSS) in solution of the solu	Intelligence such clinical and a such clinical and a such clinical and a such clinical and a such control an	Discomers measured As a measure of the minimum solidly admits to review Liddhys's country to the country of the minimum solidly assumed to the minimum solidly assumed to the minimum solidly assumed to the country of	The paper discourses the importance of pacelloc are importance of pacelloc are importance of pacelloc are pacelloc design delivers and the reservice of a composite heider of the pacelloc are importance of pacelloc are pacelloc and pacelloc are pacelloc and pacelloc are pacelloc and pacelloc are pacelloc and pacelloc and pacelloc are pacellocated and pacellocated	contration, and obsequated test were used for awaysta. MacCoT's (Diobal Network's (Did) Maternal Rendom In-test Registers) (Published In-test Registers) (P	The chance of recordal death vise found to be redecided by this client and sight Cure Acoust Death and the control of the redecided by this client and sight Cure Acoust Death and the control of the con	Nese acids Caper Nese acids C	could be used to identify soldies that require grades required to the complex of
bio and delivery service on one objective processing control processing of the control processin	Journal Biblio Pregnancy and Children Address Agency and Juliana and Birth Address Cypen	Year 2000-202	Circas-sectional at the Circas	The study population consists of pregnant consists of pregnant consists of pregnant commen recorded in the and 20th, server smalple sites because of pregnant control of the control of th	Sample Size Stample Size SSS prompt wash ceres (SSS) in solution of the solu	Intelligence such clinical and a such clinical and a such clinical and a such clinical and a such control an	Children's view of the misconnent as a misconnent described or care enhancement. This mode, aims to review Ladihga's capability or walker they would be a misconnent and misconn	The paper discourse the importance of pacelloc are importance of pacelloc are sourced doing allow and pacelloc data pacelloca data pacelloca data pacelloca pace	contration, and oble-guared test were used for awayste. Moche's Global Network 2 (Risk) Inflamenal Interdoor in stain Registrary (Risk) Inflamenal Interdoor in stain Registrary (Risk) Interdoor in the stain Risk Risk Risk Risk Risk Risk Risk Risk	The churce of recorded death was found to be reduced by the church and sight Clare About Delivery (CACI) indicators were present. Main findings: A title over 50x of PFHZs and 5x of CACI- reduced by the church of the church o	Herearch Gaps The data of michaels always good and appreciation of the population o	could be used to identify leading the require grain or production to the control of the control
D. Pages title Common and the Global Heads of Global Heads of Records and Common and Com	Journal Biblio Pregnancy and Children Address Agency and Juliana and Birth Address Cypen	Year 2000-202	Circas-sectional at the Circas	The study population consists of pregnant consists of pregnant consists of pregnant commen recorded in the and 20th, server smalple sites because of pregnant control of the control of th	Sample State IPSS annumental State 489 community leads 480 community	Intelligence such clinical and a such clinical and a such clinical and a such clinical and a such control an	Children's view of the misconnent as a misconnent described or care enhancement. This mode, aims to review Ladihga's capability or walker they would be a misconnent and misconn	The paper discourses the importance of paperlic design growth and in the case of a paperlic design growth and in the case of a composite heider of the paper discourse the design growth and in the case of a composite heider to make the paper of the case of a composite heider to make the paperlic design growth and the case of a particle, a highlighting a the case of	contration, 'and obligations de la vere used for awayste. MacCHO'S (Diobal Network's (Did) (Maternal Network and American Sections) (In a section of the Committee of the Commi	The chance of recordal death was found to be reduced by this client and sight Cure Acoust Death and the Control of the reduced by this client and sight Cure Acoust Death and the Control of the Control	Nese acids Caper Nese acids C	could be used to dendify inclines that regain greater organizates to BIT particular to the properties of the properties
D Pages title Good of the Good	Journal Biblio Pregnancy and Children Address Agency and Juliana and Birth Address Cypen	Year 2000-202	Circas-sectional at the Circas	The study population consists of pregnant consists of pregnant consists of pregnant commen recorded in the and 20th, server smalple sites because of pregnant control of the control of th	Sample Size Stample Size SSS prompt wash ceres (SSS) in solution of the solu	Intelligence such clinical and a such clinical and a such clinical and a such clinical and a such control an	Children's view of the misconnent as a misconnent described or care enhancement. This mode, aims to review Ladihga's capability or walker they would be a misconnent and misconn	The paper discusses the importance of practice days gold on the case of a practice day gold only in part of the paper process of practice days gold only in part of the paper practice days gold only in part of the paper practice days gold only in part of the paper practice, the paper pr	contration, and obsequated test were used for awaysts. MC-CDY 600-bit Network 5 (00) Maternal Readoun Health Registers (100) Maternal Readoun Maternal Materna	The chance of recorded death was found to be reduced by the change of th	The search Capes The search C	could be used to dendify inclines that regain greater organizates to BIT particular to the properties of the properties

Noonatal Deaths in India: Shown Nationally: Representative Case- Beggs	o A Fadd, Usha Rise, F Maria Sangara, K Morris, Rabina, Rabina Shat, Raju Jothar, Sat Alia		10.1375/journal.pone.01 40445		married women aged 15-43 years surveyed in 601 districts in hedia	orady was 211,020 fee birthe (passes) when 2,530 accessful deaths occurred) for the 2004- 50 period and 32,450 line birthe(passes) whom 1,573 accessful deaths occurred) for the 2001-4 period.	https://heeu.ncki.nlm.p ib.gov/pms/articles/P ArC4610669	Odds of account death in relation to facility delivery and postessful deckup	acocision between Incilly delivery postantal checkups, and monatal mertally in lodis. highlighting the importance of postantal checkups in reducing necessarial deaths when combined with Facility delivery. About a third of all secontal deaths in lodis could be varieded by Facility delivery combined with postantal checkup.	The nathodology invertived a cocconstration of complexity of the c	Facility delivery unknow postessal decksip was concolored with increased odds of sessential death, especially feet sully seconsal dechale. Pacility delivery with presental checking was increased with reduced dodds of seconsal death.	The policy reconsecutation based as the study is a printing to depose the first policy considered in postular collection of proposed collection from the collection of delicits, in bids, with a protection magnitude on independent or
Training, Memorioring, and Quality Proprovement Model to Chau Rakes promoduse Postpartum Quality of Care Moha in India Moha Guptima Postpartum Quality of Care Moha Guptima Postpartum Quality of Care National Moha Raman	na Bajpayee, Saumyadripta a idhuri, Geeta Verma, sh Parashar, Nidhi	Heath Science of Practice	10.9745/GHSP-D-20-	1016-201	The shady population (includes 1,410 shall murse and auxiliary nurse-includes 1,410 shall murse and auxiliary nurse-includes (AMM) posted at the intervention facilities.	assessed, as well as 195 staff nurses/ANMs, 77	al.org/content/9/3/59 0.long	evaluated through an external assessment.	equity, and dignity of care during childbirth and the immediate postparturn period, in order to address key drivers of maternal and newborn mortality and refocus efforts on facility-based quality of care.	A baseline assessment across all intervention facilities, covering 748 data parameters on labor room environment, staff competencies, and practices An external evaluation conducted by the	newborn mortality by adopting an integrated implementation framework that combined mentoring, training, and quality improvement procedures to enhance the standard, equity,	Forements for freelinguist implementation must be considered to the mission call with a program contained to the mission call with a program April proportion call by mobiles are and majoristic plan. April proportion call by mobiles are and majoristic plan development of about the whole manufacture and majoristic plants are all applications of the Commission of the call of the call of the Disassec, the sale and district health systems must provide without support for this.

Evidence Table Link: Apurva Ahuja Evidence Table.xlsx

c. Findings from literature

Conclusion: Intrapartum and Postnatal Care Among Mothers of Infants Aged 0-2 Months

The comprehensive review of twelve articles provides an in-depth understanding of the current state, challenges, and advancements in intrapartum and postnatal care among mothers of infants aged 0-2 months. These findings emphasize the importance of quality improvement initiatives, socioeconomic considerations, education, and systematic approaches in enhancing maternal and neonatal health outcomes.

- Quality Assurance and Improvement Initiatives: District Quality Assurance Committees and QI teams
 have been instrumental in improving healthcare infrastructure and staff distribution. These initiatives have
 significantly enhanced maternal and newborn care practices, leading to a higher rate of deliveries in public
 facilities compared to private ones.
- 2. **Training Programs**: Programs like the AMANAT nurse-mentoring initiative have substantially improved intrapartum and newborn care through simulation and team training. This has led to notable increases in care scores, showcasing the importance of continuous professional development for healthcare workers.
- 3. Socioeconomic Factors: Socioeconomic determinants play a crucial role in the utilization of maternal health services. Despite an overall increase in the use of antenatal care, skilled birth attendance, and postnatal care, low utilization rates persist in certain socioeconomic groups. Addressing these determinants is essential for reducing maternal mortality.
- 4. **Maternal Education**: Postnatal education using tools like flipcharts has significantly improved essential newborn care (ENC) skills and knowledge retention. Enhanced breastfeeding techniques, hygiene practices, and danger sign recognition in newborns were observed, leading to reduced rates of early infancy illnesses.
- 5. **Neonatal Mortality**: The presence of all eight Care Around Delivery (CAD) indicators is associated with a 19% reduction in neonatal deaths. However, gaps in intrapartum care, especially in rural and urban primary health centres (PHCs and CHCs), highlight the need for better emergency obstetric services and skilled human resources.
- 6. **Quality Assessment Tools**: Tools like LaQshya, which cover a significant portion of WHO quality measures, demonstrate a higher capacity for quality assessment in maternal and newborn care compared

- to other tools. This emphasizes the importance of robust quality assessment mechanisms in improving care standards.
- 7. **Respectful Maternity Care (RMC)**: Promoting RMC is critical for reducing global health inequities. Health workers face barriers in promoting RMC, with the COVID-19 pandemic further compromising care standards. Strengthening health systems to support RMC is necessary for improving maternal and neonatal health outcomes.
- 8. **Geographic Variations**: There is significant variation in the quality of maternal and newborn care within small areas of districts. Northern India, in particular, shows lower quality care with greater variation, indicating the need for targeted interventions. Aspirational districts, despite some improvements, still require focused policy attention to address quality care gaps.
- 9. **Cord Care Practices**: Despite recommendations for dry cord care, many still use antiseptics like gentian violet, which have been associated with reduced neonatal mortality. Further research is needed to confirm the efficacy of gentian violet in low-resource settings.
- 10. **Postnatal Checkups**: Facility deliveries without postnatal checkups are linked to higher odds of neonatal death, particularly early neonatal deaths. In contrast, facility deliveries with postnatal checkups are associated with reduced neonatal mortality, underscoring the importance of comprehensive postnatal care.
- 11. **Integrated Care Approaches**: The Care Around Birth approach, which integrates mentoring, training, and quality improvement, effectively addresses factors contributing to maternal and newborn mortality. Emphasizing facility-based quality procedures is essential to meeting Sustainable Development Goals (SDGs) related to maternal and newborn health.

Recommendations for Further Research

- 1. **Socioeconomic Determinants**: Investigate specific socioeconomic barriers to maternal health service utilization and develop targeted interventions to address these challenges.
- 2. **Long-term Impact of Training Programs**: Conduct longitudinal studies to assess the long-term effectiveness of nurse-mentoring and other training programs on maternal and newborn care practices.
- 3. **Effectiveness of Maternal Education Tools**: Explore the scalability and long-term impact of postnatal education tools like flipcharts on maternal and newborn health outcomes.
- 4. **Cord Care Practices**: Further research the use of antiseptics like gentian violet in cord care to establish evidence-based guidelines for low-resource settings.
- 5. **Geographic Targeting of Interventions**: Develop and evaluate targeted interventions for improving maternal and newborn care in regions with significant geographic variations in care quality.
- 6. **Respectful Maternity Care**: Investigate the barriers to promoting RMC in different settings and develop strategies to integrate RMC into routine care practices, particularly in the context of health emergencies like pandemics.
- 7. **Postnatal Care**: Study the impact of comprehensive postnatal checkups on neonatal mortality and identify best practices for integrating these checkups into routine maternal and newborn care.

8. **Integrated Care Frameworks**: Evaluate the effectiveness of integrated care approaches, such as the Care Around Birth strategy, in different healthcare settings and refine these frameworks to enhance their impact on reducing maternal and newborn mortality.

In summary, the findings highlight the multifaceted nature of improving intrapartum and postnatal care among mothers of infants aged 0-2 months. Quality improvement initiatives, addressing socioeconomic determinants, continuous education, comprehensive care indicators, and targeted interventions are pivotal in enhancing maternal and neonatal health outcomes. Collaborative efforts between policymakers, healthcare providers, and communities are essential to bridge existing gaps and promote equitable, high-quality care for all mothers and newborns.

References:

[1] Intrapartum | NIH [Internet]. clinicalinfo.hiv.gov. Available from:

https://clinicalinfo.hiv.gov/en/glossary/intrapartum#:~:text=The%20time%20period%20spanning%20childbirth

- [2] Intrapartum care [Internet]. PubMed. London: National Institute for Health and Care Excellence (NICE); 2023 [cited 2023 Oct 27]. Available from: https://www.ncbi.nlm.nih.gov/books/NBK596341/
- [3] Information NC for B, Pike USNL of M 8600 R, MD B, Usa 20894. WHO Technical Consultation on Postpartum Care [Internet]. www.ncbi.nlm.nih.gov. World Health Organization; 2010. Available from:

https://www.ncbi.nlm.nih.gov/books/NBK310595/

[4] Yadav AK, Sahni B, Jena PK, Kumar D, Bala K. Trends, Differentials, and Social Determinants of Maternal Health Care Services Utilization in Rural India: An Analysis from Pooled Data. Women's Health Reports. 2020 Apr 1;1(1):179–89.

https://www.ncbi.nlm.nih.gov/pmc/articles/PMC9380883/pdf/whr.2019.0022.pdf

[5] Eluri S, Baliga BS, Rao SS, Vinayagamoorthy V, Kamath N. Can Flip-Chart Assisted Maternal Education Improve Essential New Born Care Knowledge and Skills? A Randomized Controlled Trial. Maternal and Child Health Journal. 2022 Apr 6;

https://www.ncbi.nlm.nih.gov/pmc/articles/PMC9374616/pdf/10995_2022_Article_3409.pdf

[6] Sharma J, Leslie HH, Regan M, Nambiar D, Kruk ME. Can India's primary care facilities deliver? A cross-sectional assessment of the Indian public health system's capacity for basic delivery and newborn services. BMJ Open. 2018 Jun;8(6):e020532.

https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5988146/pdf/bmjopen-2017-020532.pdf

[7] Singh S, Hasan Z, Sharma D, Kaur A, Khurana D, Shrivastava JN, et al. Appraising LaQshya's potential in measuring quality of care for mothers and newborns: a comprehensive review of India's Labor Room Quality Improvement Initiative. BMC pregnancy and childbirth. 2024 Apr 4;24(1).

https://www.ncbi.nlm.nih.gov/pmc/articles/PMC10993574/pdf/12884 2024 Article 6450.pdf

2. Secondary data analysis

Reproductive, Maternal, Newborn, Child, Adolescent Health and Nutrition

Under the National Health Mission (NHM), improving mother and child health and their survival rates is essential to achieving national health goals. Reducing maternal, neonatal, and child mortality is another goal of SDG Goal 3. In recent years, creative approaches have emerged as part of the national effort to provide diverse demographic groups with evidence-based interventions. In order to impact the critical interventions for lowering maternal and child morbidity and mortality, the Ministry of Health & Family Welfare launched Reproductive, Maternal, Newborn, Child, Adolescent Health and Nutrition (RMNCAH+N) in response to the Government of India's "Call to Action (CAT) Summit" in February 2013.

INTRODUCTION OF RMNCHN IN CONTEXT OF BIHAR

The Reproductive, Maternal, Newborn, Child, and Adolescent Health and Nutrition (RMNCHN) strategy is a vital framework specifically designed to address the extensive health needs of women, children, and adolescents. In Bihar, a state in India marked by profound health challenges, the implementation of RMNCHN strategies has been pivotal in striving to improve health outcomes across various demographic segments. This strategic approach is tailored to tackle the multifaceted health issues prevalent in Bihar, including high maternal and infant mortality rates, widespread malnutrition, and inadequate access to quality healthcare services.

Bihar, with a population exceeding 120 million, is one of India's most populous and economically disadvantaged states. Historically, Bihar has faced significant health challenges, with key indicators often lagging national averages. The state's health system has struggled with high maternal and infant mortality rates, chronic malnutrition, limited access to healthcare facilities, and severe shortages of trained healthcare professionals.

*To address these critical health challenges, the RMNCHN strategy in Bihar has been meticulously designed and implemented. The initiatives focus on improving maternal and child health services, enhancing nutritional status, and increasing access to reproductive health services.

Key Interventions and Initiatives:

- To address the critical health challenges, the RMNCHN strategy in Bihar has been meticulously designed and implemented. The strategy involves strengthening health infrastructure by prioritizing the construction and functionalization of sub-centres in high-focus districts, ensuring that at least 25% of sub-centres under each Primary Health Centre (PHC) operate as delivery points.
- To address staffing shortages, particularly in remote areas, Bihar employs specialists, doctors, staff nurses, and Auxiliary Nurse Midwives (ANMs) on a contractual basis under the National Rural Health Mission (NRHM). Maternal and child health initiatives include Nutritional Rehabilitation Centres (NRCs) for children with severe acute malnutrition and the Integrated Management of Childhood Illnesses (IMNCI) strategy to combat pneumonia, diarrhoea, and malaria.

- Family planning services are bolstered through fixed-day sterilization centres and safe abortion services at 24/7 PHCs. The strategy also includes incentives for healthcare workers in hard-to-reach areas and partnerships with private providers and NGOs to supplement public health services.
- Monitoring and evaluation are integral, with performance appraisals linked to progress indicators to ensure continuous improvement. Through these efforts, Bihar aims to reduce mortality rates and improve health outcomes for its vulnerable populations.
- Maternal and Newborn Health: Key interventions include promoting institutional deliveries, improving the quality of care in public health facilities, and strengthening referral systems. Programs like the Janani Shishu Suraksha Karyakram (JSSK) provide free maternal and child health services, encouraging safe childbirth practices. Ensuring skilled birth attendance and access to emergency obstetric care are prioritized to reduce maternal and neonatal mortality.
- Nutrition Programs: Initiatives such as the Bal Kuposhan Mukt Bihar campaign aim to tackle child malnutrition through community-based activities, promoting early initiation of breastfeeding, and appropriate complementary feeding practices. Iron and Folic Acid (IFA) supplementation programs target anaemia reduction among pregnant women and adolescents. The Integrated Child Development Services (ICDS) scheme provides supplementary nutrition, growth monitoring, and health education to improve the nutritional status of children and mothers.
- Adolescent Health Programs: Efforts to improve adolescent health include school-based interventions for nutrition education, menstrual hygiene management, and promoting delay in age at marriage. The Adolescent Reproductive and Sexual Health (ARSH) program focuses on providing adolescents with comprehensive reproductive health education and services, aiming to reduce early pregnancies and improve reproductive health outcomes.
- Community-Based Interventions: Engaging community health workers, such as Accredited Social
 Health Activists (ASHAs), in outreach and awareness programs has been crucial in extending healthcare
 services to rural and underserved populations.
- * The NFHS 5 Bihar Fact Sheet offers the following statistics in relation to RNMCHN.
 - Reproductive Health: The total fertility rate in Bihar has declined to 3.0 children per woman, down from 3.4 in the previous NFHS survey, yet it remains higher than the national average. Adolescent fertility, a crucial indicator of reproductive health, stands at 77 births per 1,000 women aged 15-19, reflecting early childbearing practices that pose health risks to young mothers and their children.
 - Maternal Health: Maternal health services have shown improvement, yet gaps persist. For instance, 52.9% of mothers had an antenatal check-up in the first trimester, and 25.2% had at least four antenatal visits, indicating a positive trend from previous years but still requiring enhancement. Institutional births have increased to 76.2%, with 56.9% occurring in public health facilities, showing a significant improvement in maternal healthcare access.

- Newborn Health: Neonatal mortality in Bihar is at 34.5 per 1,000 live births, reflecting the need for better perinatal care. Efforts to reduce neonatal deaths include increasing the coverage of postnatal care, with 57.3% of mothers receiving postnatal care from health personnel within two days of delivery.
- Child Health: Child health indicators highlight severe nutritional challenges. The prevalence of stunting (height-for-age) among children under five is 42.9%, and 22.9% are wasted (weight-for-height), demonstrating critical undernutrition issues that impact long-term health and development. Vaccination coverage has improved, with 71.0% of children aged 12-23 months fully vaccinated, up from 61.7% in the previous survey.
- Adolescent Health: Adolescent health remains a key focus, given the high rates of early marriage and childbearing. About 40.8% of women aged 20-24 years were married before the age of 18, and 11.0% of women aged 15-19 years were already mothers or pregnant at the time of the survey. These factors contribute to ongoing cycles of poor health and nutrition among young women and their children.
- Nutritional Status: Nutrition indicators for children in Bihar point to severe issues. Among children under five, 69.4% are anemic, and 41.0% are underweight (weight-for-age).
 In conclusion, the RMNCHN strategy in Bihar represents a comprehensive and targeted approach to improving health outcomes for women, children, and adolescents. Through focused interventions, strategic partnerships, and community engagement, Bihar is making strides towards achieving better health and well-being for its population. Continued efforts and sustained focus on these areas are essential for overcoming the deep-rooted health disparities in the state and ensuring a healthier future for its residents.

a. Methodology

- Study Area: 13 districts of Bihar selected randomly from 9 Commissionerate
- Target Population: Mothers of 0-5, 6-11, 12-23 months old children.
- Sample Size: of 2250 mothers per category (0-5 months, 6-11 months & 12-23 months)
- Data Type: Primary Data
- Study Design: Secondary Analysis
 - i. Secondary Analysis Classes: Preparing the Indicator Matrix and Selection of Questions from Tool/Codebook

SELECTION OF QUESTIONS FROM TOOL/CODEBOOK IN DETAIL

1. Initial Survey Participation

- o The survey was already underway in the organization when we joined.
- We were integrated into the ongoing data collection process.
- Through this participation, we learned about the data collection methods, including the tools and techniques used for different age groups.

2. Survey Design and Execution

- o The survey was structured as a mini household survey, targeting 13 different districts of Bihar.
- o We were divided into small groups, each accompanied by program leaders and data collectors.
- Our teams visited various districts to conduct the survey and the sample size obtained was of 2250 mothers/ beneficiaries.
- During these field visits, we closely observed the data collection process and gained practical knowledge about the implementation of the questionnaire tool.

3. Data Analysis and Codebook Preparation

- o After data collection, the data analyst began the analysis phase.
- The analyst created a detailed codebook, which included:
 - All variables
 - Questions
 - Values
 - Labels
- The codebook was categorized into three distinct age groups: 0-5, 6-11, and 12-23 months.
- The questions included in the codebook were in context to RMNCHN (Reproductive, Maternal, Newborn, and Child Health and Nutrition).

4. Distribution and Review of the Codebook

- o Once the codebook was prepared, it was shared with all team members.
- We were tasked with reviewing the codebook to identify and select questions pertinent to sociodemographic aspects.

5. Creation of Indicator Matrix

- 1st we created an Indicator matrix focused on questions related to the socio-demographic characteristics of respondents & then we created another matrix with additional health indicators.
- Sociodemographic Indicators: We began by creating an indicator matrix for 13 sociodemographic indicators common across all three tools.
 - Components of the Matrix: This matrix included several key elements:
 - 1. Question Number: The specific number assigned to each question within the tool.
 - 2. Question Label: A brief description of what the question entails.
 - 3. **Variable**: The variable name used in the software.
 - 4. **Value**: The possible responses or data points for each question.
 - 5. Label of the Value: Descriptive labels for each response or data point.
- Maternal, Newborn, Nutrition, and Family Planning Indicators: Following the sociodemographic indicators, we expanded our matrix to include 18 additional indicators encompassing maternal health, newborn care, nutrition, and family planning.

(Both the Indicator matrices are presented in the next section)

The Excel sheet was organized to include:

- Tool questions
- Question labels
- Respective variables
- Corresponding values
- o For instance, for the variable "mother's age," we defined three categories:
 - Less than or equal to 24 years
 - 25-34 years
 - 35 years and older
- These categories were coded as 0, 1, and 2, respectively. This coding facilitated straightforward data analysis in SAS software.

6. Coding and Frequency Analysis in SAS Software

- We proceeded to code all the indicators within the SAS software environment.
- Using our predefined coding system, we were able to efficiently obtain the frequency of each variable.
- For example, the variable "mother's age" was coded such that:
 - Ages ≤ 24 were coded as 0
 - Ages 25-34 were coded as 1
 - Ages ≥ 35 were coded as 2
- This approach enabled us to easily calculate and analyse the frequency distribution of each variable within our sample.

7. Review and Refinement

- After the initial coding and frequency analysis, we matched with the already existing results for accuracy.
- Any discrepancies or errors identified during this review were addressed and corrected.
- This step ensured the reliability and validity of our data analysis process.

By meticulously following these steps, we ensured a comprehensive and methodical approach to the data collection, analysis, and interpretation process. This enabled us to derive accurate and meaningful insights from the survey data, ultimately contributing to a deeper understanding of the socio-demographic aspects of our respondents.

SELECTION OF KEY INDICATORS FROM THREE CODEBOOKS COVERING SIGNIFICANT RMNCHN TOPICS

The methodology for the study involved several key steps to ensure accurate data collection and analysis. Below is a detailed, step-by-step description of the process:

1. Selection of Important Questions and Indicators

Questions and indicators were selected from codebooks categorized as follows:

- Newborn and Maternal Health: Questions and indicators were sourced from the 0-5 codebook.
- Newborn Nutrition: Questions and indicators were sourced from the 6-11 codebook.
- o **Family Planning**: Questions and indicators were sourced from the 12-23 codebook.

These questions and indicators were chosen based on their relevance and importance to the study objectives.

2. Coding of Indicators in SAS Software

- We imported all the three codebooks (0-5, 6-11, and 12-23) into SAS software.
- For each indicator, we defined the specific criteria for the numerator and denominator. For example, to calculate the percentage of recently delivered women currently using any contraceptive method, we:
 - Created values that indicated whether a woman was currently using any contraceptive method (coded as 0 for 'No' and 1 for 'Yes').

3. Frequency Analysis Using SAS

- After coding the indicators, we used the "proc surveyfreq" procedure in SAS to obtain the frequency tables for each indicator.
 - proc surveyfreq: This procedure was specifically used to calculate and display the frequency distribution of the variables according to the defined criteria.
 - The frequency table provided the count and percentage of respondents for each indicator category (e.g., women using contraceptives vs. those not using them).

4. Calculation of Indicator Frequencies

- For each indicator, the frequency was calculated as follows:
 - Numerator: The count of responses that met the criteria for the indicator (e.g., number of women using contraceptives).
 - Denominator: The total count of responses considered for the indicator (e.g., total number of recently delivered women).

5. Compilation of Results

 The frequency tables generated for each indicator were compiled and analysed to understand the distribution and prevalence of different variables which were in context of RNMCHN.

6. Documentation and Reporting

• The results were then compiled into a comprehensive report, highlighting key findings and trends observed in the data.

By following these systematic steps, we ensured a thorough and accurate analysis of newborn health, maternal health, and family planning indicators, providing valuable insights for further research and policymaking.

ii. Indicator definitions

- 1) **THR** % of pregnant women received THR during last pregnancy.
- 2) Institutional delivery % of recently delivered women who delivered their last child in a facility.
- 3) **STSC** % of child aged 0-5 month received immediate Skin to skin care after birth
- 4) Weighing at birth % of child aged 0-5 month weighted at birth
- 5) **TIBF** % of child aged 0-5 month received Timely Initiation of Breast Feeding (TIBF) within 1 hrs.
- 6) **Exclusive breastfeeding** % of child aged 0-5 month received exclusive breastfeeding (last 24 hours)
- 7) Breastfeeding % of child aged 6-11-month currently receiving breast feeding
- 8) Complementary feeding % of children aged 6–11 months who Initiated complementary feeding
- 9) Any contraceptive method % of recently delivered women currently using any contraceptive method
- 10) **Modern contraceptive method** % of recently delivered women currently using modern contraceptive method
- 11) **Traditional contraceptive method** % of recently delivered women currently using traditional contraceptive method

c. Results/findings

i. Indicator Matrix

too	olquestions	question label	variable	value	label
	202	gender of the baby	babygender	1	male
				2	female
	110	mothers age	mother_age	0	<=24
				1	25-34
				2	>=35
3					
	102	what is your religion	religion	0	hindu
0				1	others
1					
2	103	what is your caste	caste	0	marginalised
3				1	non marginalised
4					
5	105	economic status	wealth index	0	poorest
6				1	middle
7				2	upper
8					
9	101	family type	family type	1	nuclear family
0				2	joint family
1					
		What is the highest standard of formal education you			
2	112	completed?	mothers education		highest education
3				1	don't know
4					
5					
6	115 SP	What is the highest standard of formal education you completed?	husbands education	0	illiterate
7					upto 8th
8					more than 8th
9				_	

1	tool questions	question label	variable	value	label
29					
30	116_1	what do you primarily do ?	Mothers occupation		0 unemployed
31					1 agricultural labourer
32					2 non agricultural labourer
33					3 business
34					4 salaried
35					
36	116	What is your husband's main occupation?	Husband occupation		0 unemployed
37					1 agricultural labourer
38					2 non agricultural labourer
39					3 business
40					4 salaried
41					
42	123	Husband migartion	Migrant		0 migrant
43					1 non migrant
44					
45	108_A 108_B	Any female in SHG	SHG member		0 no
46					1 yes
47					
48	119B, 112A, 122B	No of living children	living children		0 I child
49					1 2 children
50					2 3 children
51					3 more than 3 children
52					
53	301	where did you deliver your baby	place of delivery		0 public
54					1 private
55					2 home transit
56					

A	В	С	D	Ε	F
1 SI	Theme	DATA	Indicator Definition	Question of data collection tool	Variable name
2 1	Maternal	0-5	% of pregnant women received MCP cards	204. Do you have an MCP card for (NAME)?	MCP card
3 1	Maternal	0-5 % of pregnant women received any antenatal checkup during your last pregnancy		208X. Did you receive antenatal checkup during your last pregnancy?	received any ANC
4	Maternal	0-5	% of pregnant women received 3 or more antenatal checkup during your last pregnancy	209. How many times did you receive antenatal checkup during your last pregnancy?	3 or more ANC
5 1	Maternal	0-5	% of pergnant women received 4 or more antenatal checkup during your last pregnancy	209. How many times did you receive antenatal checkup during your last pregnancy?	4 or more ANC
6 1	Maternal	0-5	% of pregnant women received IFA tablet during your last pregnancy	213. When you were pregnant did you receive tablets of Iron (IFA)?	received IFA
7 1	Maternal	0-5	% of pregnant women received 90 or more IFA tablet during your last pregnancy	214. How many of these tablets did you receive in total?	received IFA
8 1	Maternal	0-5	% of pregnant women consumed 90 or more IFA tablet during your last pregnancy	217. Of all the tablets / Capsule given to you, how many tablets/ Capsules did you consume in total during your pregnancy?	consumed IFA
9 1	Maternal	0-5	% of pregnant women received THR during your last pregnancy	223. When you were pregnantmdid you ever receive any food (take home ration) from the AWC for yourself, specifically for your pregnancy?	received THR
10 2	Newborn	0-5	% of institutional delivery	233. When you were pregnant, where did you plan to deliver	Institutional delivery
11 2	Newborn	0-5	% of child aged 0-5 month received immediate Skin to skin care after birth	348. Did you practice keeping the child naked on your bare chest, next to your skin immediately after delivery?	STSC
12 2	Newborn	0-5	% of child aged 0-5 month weighted at birth	359. Was the baby weigh right after birth?	Weight at birth
13 2	Newborn	Newborn 0-5 % of child aged 0-5 month received Timely Initiation of Breast Feeding (TIBF) within 1 hrs.		330. How long after the birth did you or some other lactating woman first breastfeed (NAME)?	TIBF
3 L4	Nutrition	0-5	% of child aged 0-5 month received exclusive breastfeeding (last 24 hours)	417. Have you ever given any of these things other than breastmilk at any time	Exclusive breastfeeding

ii. Findings based on descriptive analysis conducted during the SAS sessions

variable	valu	label	N	n	%	LCL	UCL	Freq
	е							Missing
Gender	0	boys	2250	1194	53.07	51.00	55.13	
	1	girls		1056	46.93	44.87	49.00	
	0	<=24		1426	63.38	61.39	65.37	
mother age	1	25-34	2250	770	34.22	32.26	36.18	
	2	>=35	1	54	2.40	1.77	3.03	
religion	0	Hindu	2250	1930	85.78	84.33	87.22	
	1	Others	1	320	14.22	12.78	15.67	
caste	0	Marginalized	2250	685	30.44	28.54	32.35	
	1	Non-marginalized		1565	69.56	67.65	71.46	

family type	0	nuclear	2250	883	39.24	37.23	41.26	
ianimy type	1	joint		1367	60.76	58.74	62.77	
	0	Illiterate		782	34.76	32.79	36.72	
MED	1	up to 8th	2250	510	22.67	20.94	24.40	
U	2	More than 8 th	1	958	42.58	40.53	44.62	
	0	illiterate		704	33.70	31.67	35.73	
FEDU	1	up to 8th	2089	487	23.31	21.50	25.13	161
	2	more than 8th	1	898	42.99	40.86	45.11	
	0	Unemployed		2140	95.11	94.22	96.00	
	1	Agricultural	†	23	1.02	0.61	1.44	
MOC	2	Non- agricultural	2250	38	1.69	1.16	2.22	
U	3	Business	1	22	0.98	0.57	1.38	
	4	salaried	1	27	1.20	0.75	1.65	
	0	Unemployed		79	3.54	2.77	4.31	
	1	Agricultural	1	189	8.48	7.32	9.63	
Husband	2	Non- agricultural	2230	1063	47.67	45.59	49.74	20
Occupation	3	business	1	308	13.81	12.38	15.24	
	4	salaried	1	591	26.50	24.67	28.34	
Husband	0	non-Migrant	2250	1966	87.38	86.00	88.75	
Migration	1	migrant		284	12.62	11.25	14.00	
SHG	1	yes	2250	124	5.51	4.57	6.45	
membership	0	no		2126	94.49	93.55	95.43	
	1	1 child		724	32.18	30.25	34.11	
living child	2	2 children	2250	647	28.76	26.88	30.63	
iving crilic	3	3 children		461	20.49	18.82	22.16	
	4	more than 3	1	418	18.58	16.97	20.19	
		children						
	0	public		1457	64.76	62.78	66.73	
Place delivery	1	private	2250	484	21.51	19.81	23.21	
	2	home/transit	1	309	13.73	12.31	15.16	
	1	kuccha		398	17.69	16.11	19.27	
House type	2	semi-pukka	2250	1270	56.44	54.39	58.49	
	3	pukka	1	582	25.87	24.06	27.68	

	va							FREQ	
	lu					LC	UC	MISSIN	
variable name	е	label	N	n	%	L	L	G	SAS CODE
									data HHS.data;
									set HHS.data;
									/*% of pregnant
									women received
			2						MCP cards*/
Descint of man and			2						if q204=1 then
Receipt of mcp_card			5		82.	80.	83.		mcp_card=1;
			0	18	266	687	846		else mcp_card=0;
	1	yes		51	7	3	1		run;
					17.	16.	19.		
				39	733	153	312		
	0	no		9	3	9	7		
									data HHS.data;
									set HHS.data;
									/*% of pregnant
									women received any
			2						antenatal checkup
Any Antenatal checkup			2						during your last
clinic visited			5						pregnancy*/
chine visited			0						if q208x=1 then
					98.	99.	99.		anyanc=1;
				22	711	244	177		else anyanc=0;
	1	yes		21	1	7	5		run;
					1.2	0.8	1.7		
	0	no		29	889	225	553		
									data HHS.data;
									set HHS.data;
									/*% of pregnant
									women received 3 or
Antenatal checkup 3 or									more antenatal
more times									checkup during your
			2				_		last pregnancy*/
			2		68.	66.	70.		if q209>=3 then
		3 or more	2	15	392	457	327		anc3=1;
	1	times	1	19	6	5	7		else if q208x=1 and

	0	less than 3 times	2 2 2 2	n	31. 607 4	29. 672 3	33. 542 5	29	q209<3 then anc3=0; run;
Antenatal checkup 4 or more times	1	4 or more times	2 2 2 1 2 2 2	89 3. 6 79 0. 2	43. 403 9 56. 596 1	41. 341 54. 533 3	45. 466 7 58. 659	29	data HHS.data; set HHS.data; /*% of pregnant women received 4 or more antenatal checkup during your last pregnancy*/ if q209>=4 then anc4=1; else if q208x=1 and q209<4 then anc4=0; run;
Iron folic acid tb received in last pregnancy	1	yes	2 2 5 0	68 6. 8	90. 444 4	89. 228 8	91. 660 1		data HHS.data; set HHS.data; /*% of pregnant women received IFA tablet during your last pregnancy*/ if q213=1 or q214b=1 then IFA_rec=1;

									1 154 0
									else IFA_rec=0;
									run;
			2						
			2	58			10.		
			5	3.	9.5	8.3	771		
	0	no	0	4	556	399	2		
							_		data HHS.data;
									set HHS.data;
									/*% of pregnant
									women received 90
									or more IFA tablet
									during your last
									pregnancy*/
									IFA90=sum(q214a,q2
									14c_a);
Received 90 or more									if q214=999 and
IFA									q214c=999 then
									IFA90rec=.;
			2						else if IFA90>=90
			2		26.	24.	28.		then IFA90rec=1;
		90 or more	2	48	609	770	448		else IFA90rec=0;
	1	tablets	1	0	6	4	9		run;
		tablets	2	J	U		3		1011,
					70	74	75		
			2		73.	71.	75.		
		less than 90	2		390	551	229		
	0	tablets	1	n	4	1	6	29	

									data HHS.data; set HHS.data; /*number of IFA tablets consumed*/ if q217=99 then number_IFAcon=.;*do n't know;
90 or more IFA									else if q217a>=90 then
consumed			2						number_IFAcon=1;*m ore than 90 tablets;
			0	37	16.	15.	18.		else
		consume 90	1	6.	823	189	458		number_IFAcon=0;
	1	or more	5	6	8	1	5		run;
			2						
		do not	0	27	83.	81.	84.		
	0	or more	1 5	3.	176 2	541 5	810	235	
		01 111010		_	_				data HHS.data;
									set HHS.data;
									/*% of pregnant
									women received THR
									during your last
									pregnancy*/
Received Take home									if q223=1 then
ration in last pregnancy			2	16	40.	38.	42.		thr_rec=1; *received; else thr_rec=0; *not
			5	9.	355	326	384		received;
	1	YES	0	8	6	8	3		run;
			2						
			2		59.	57.	61.		
			5	66	644	615	673		
	0	NO	0	.4	4	7	2		

Instituitional_delivery during last pregnancy	1	institutional delivery home delivery	2 5 0 2 5 0	- 37	86. 266 7 13. 733 3	84. 843 4 12. 31	87. 69 15. 156 6		data HHS.data; set HHS.data; /*place of delivery*/ if Q301 in (1,2,3,4,5,6,7,8) then instititutional_delivery =1;*Institutional; else instititutional_delivery =0;*home; run;
Received STSC(Skin to skin care) after birth	1	yes	1 9 7 9 1 9 7	- 14 0. 4 - 24 3. 8	65. 437 34. 563	63. 34 32. 466	67. 534 2 36. 66	271	data HHS.data; set HHS.data; /*% of child aged 0-5 month received immediate Skin to skin care after birth*/ if Q318=99 or Q346=99 then STSC=.; else if Q318=. and Q346=. then STSC=.; else if Q318=2 or Q346=1 then STSC=1; else STSC=0; run;

Baby Weight measured	1	yes	2 1 7 1 2 1 7	- 34 7. 2 - 45 0. 6	82. 957 2 17. 042 8	81. 374 2 15. 459 9	84. 540 1 18. 625 8	79	data HHS.data; set HHS.data; /*% of child aged 0-5 month weighted at birth*/ if q334=1 or Q359=1 then BABY_Weight=1; if q334=2 or q359=2 then BABY_Weight=0; run;
Received tibf(Timely initiation of breast feeding)	1	within 1 hour	2 2 5 0 2 2 5 0	- 55 4	66. 266 7 33. 733 3	64. 311 6 31. 778 3	68. 221 7 35. 688 4		data HHS.data; set HHS.data; /*% of child aged 0-5 month received Timely Initiation of Breast Feeding (TIBF) within 1 hrs.*/ tibf=sum (q330h,(q330day*24), q356h,(q356day*24)); if tibf<=1 then tibf_cat=1; else tibf_cat=0; run;

								data HHS.data;
								set HHS.data;
								/*% of child aged 0-5
								month received
								exclusive
								breastfeeding (last 24
								hours)*/
								if Q415a=2 and
								Q415b=2 and
								Q415c=2 and
Received EBF(Exclusive								Q415d=2 and
Breastfeeding)								Q415e=2 and
Di casticcumg)								Q415f=2 and
								Q415g=2 and
								Q415h=2 and
			2	-				Q415i=2 and
			2	65	50.	48.	52.	Q415j=2 then EBF=1;
			5	7.	488	421	556	else EBF=0;
	1	received EBF	0	4	9	4	3	run;
			2	-	40	47		
			2	76	49.	47.	51.	
	_	not received	5	0. 8	511	443	578	
	0	EBF	0	8	1	7	6	data HHS.data;
								set HHS.data;
								/*% of child aged 6-
								11 month Currentely
								receving breast
								feeding*/
Currently receiving			2	-				if Q205=1 then
breastfeeding			2	86	93.	92.	94.	breastfeeding=1;
9			5	4.	511	492	529	else breastfeeding=0;
	1	yes	0	2	1	5	7	run;
			2	-				
			2	96				
			5	7.	6.4	5.4	7.5	
	0	no	0	6	889	703	075	

contraceptive_method being used			1 9 7	45	22. 862	21. 010	24. 715		data HHS.data; set HHS.data; /*% of recently delivered women currently using any contraceptive method*/ if Q401=1 then contraceptive_metho d=1;*yes; else if Q401=2 then contraceptive_metho d=0;*no; else contraceptive_metho d=.;*Currently Pregnant;
	1	yes	7	2	9	2	7		run;
	0	no	1 9 7 7	15 25	77. 137	75. 284 3	78. 989 8	273	
use_of_modern contraceptive	1	yes	1 9 7	43	22. 154 8	20. 322 6	23. 987		data HHS.data; set HHS.data; /*% of recently delivered women currently using modern contraceptive method*/ if Q402A=1 OR Q402B=1 OR Q402C=1 OR Q402D=1 OR Q402E=1 OR Q402F=1 OR Q402F=1 OR Q402F=1 OR

									Q402J=1 OR Q402J_1=1 OR Q402K=1 then use_of_modern=1; *yes; else if Q401 in (1,2) THEN use_of_modern=0; *no; run;
			1 9		77.		79.		
			7	15	845	76.	677		
	0	no	7	39	2	013	4	273	
use_of_traditional contraceptive	1	yes	1 9 7 7 1 9 7 7	15 19 62	0.7 587 99. 241 3	0.3 759 99. 858 4	1.1 416 99. 624 1	273	data HHS.data; set HHS.data; /*% of recently delivered women currently using traditional contraceptive method*/ if Q402L=1 or Q402M=1 or Q402N=1 then use_of_tm=1; *yes; else if Q401 in (1,2)then use_of_tm=0; *no; run;

We did descriptive analysis in the sas software. Descriptive analysis is a fundamental step in the exploration and understanding of data. It involves summarizing and organizing data so that patterns and key characteristics can be clearly seen.

This helps to condense large amounts of data into simple summaries. This can be in the form of tables, charts, or statistical measures (like mean, median, and mode) that give a quick overview of the dataset. It provides initial insights and trends that can guide further, more detailed analysis. For example, if a high percentage of mothers are found to be illiterate, further investigation can be directed towards the impact of maternal education on child health outcomes. Descriptive statistics highlight areas where health behaviours are strong and where they need improvement. Descriptive data on key health indicators provide evidence for developing policies and programs. For example, if the data show that a significant number of children are not exclusively breastfed, programs can be designed to promote and support breastfeeding.

Explanation of the Contents of the Frequency Table

The frequency table provided in the document contains detailed statistical summaries of various demographic and health-related indicators from the survey data. Here are the components and what they represent:

- 1. **Variable Name:** This is the specific characteristic or attribute being measured, such as gender, mother's age, religion, etc.
- 2. **Categories:** Each variable can have multiple categories, which represent different possible values or groups within that variable. For example, the "Mother's Age" variable has categories like "≤24 years", "25-34 years", and "≥35 years".
- 3. **N:** This is the total number of respondents or observations included in the analysis for that variable. This number can differ slightly between variables due to missing data.
- 4.**n:** This is the number of respondents in each category of the variable. It tells us how many individuals fall into each specific group.
- 5. **%:** This represents the percentage of respondents in each category. It is calculated as (n/N) * 100, providing a proportionate representation of the data.
- 6. **LCL (Lower Confidence Limit):** This is the lower boundary of the confidence interval for the percentage. It provides an estimate of the lower range in which the true percentage is expected to fall, with a certain level of confidence (typically 95%).
- 7. **UCL (Upper Confidence Limit):** This is the upper boundary of the confidence interval for the percentage. It gives an estimate of the upper range in which the true percentage is expected to fall, with the same confidence level.

8. **Freq Missing:** This indicates the number of respondents with missing data for that particular variable. This is important for understanding the completeness and reliability of the data.

Purpose of Each Component

- Variable Name and Categories: These identify what is being measured and the different groups within each measure, allowing for a detailed understanding of the dataset's composition.
- **N and n:** These provide the raw counts of respondents, crucial for understanding the sample size and the distribution of responses across different categories.
- %: This offers a proportionate view of the data, making it easier to compare between different categories and understand their relative importance.
- LCL and UCL: These give a range within which the true value of the percentage is likely to fall, providing a measure of precision and reliability for the estimates.- **Freq Missing:** This highlights any gaps in the data, indicating areas where data collection might need improvement or where additional caution is needed in interpreting results.

Importance of the Frequency Table:

The frequency table is essential in descriptive analysis because it:

- Summarizes Data: It condenses large volumes of data into an easily understandable format.
- Identifies Patterns: Helps in spotting trends and patterns within the dataset.
- Guides Decision-Making: Informs policymakers and stakeholders about the current state of various indicators.
- Supports Further Analysis: Provides a foundation for more complex analyses, such as inferential statistics or predictive modelling.

d. Conclusion:

Our summer internship provided a thorough secondary analysis experience using SAS software to examine maternal, newborn, family planning, nutrition, and socio-demographic indicators. This process equipped us with valuable skills in data coding, analysis, and interpretation, emphasizing the significance of secondary data in public health research.

Key insights from our analysis include:

Maternal and Child Health: We observed improvements in institutional deliveries and antenatal care coverage, reflecting positive trends in maternal health services.

Family Planning: Data revealed varying usage rates of contraceptive methods, highlighting areas for targeted family planning interventions.

Nutrition: Despite improvements, child malnutrition remains a significant challenge, indicating the need for focused nutritional programs.

Adolescent Health: Insights pointed to ongoing issues in adolescent health, necessitating dedicated health initiatives for this demographic.

The process demonstrated the efficiency of secondary data analysis in identifying health trends and disparities, facilitating evidence-based policymaking and resource allocation. This experience not only enhanced our analytical skills but also underscored the critical role of data in advancing public health objectives.

Apurva Ahuja ST report

ORIGINALITY REPORT

15% SIMILARITY INDEX

13%
INTERNET SOURCES

10% PUBLICATIONS

6% STUDENT PAPERS