# MATERNAL NUTRITION RESOURCE TOOLKIT

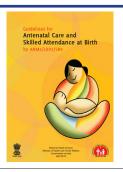
- 1. GUIDELINES
- 2. POLICY BRIEFS AND CASE STUDIES
- 3. INFORMATION SYSTEMS
- 4. TRAINING AND COMMUNICATION TOOLKIT
- 5. MN E MODULE
- 6. MN WEBINAR SERIES
- 7. PAPERS



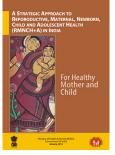
# **GUIDELINES**

Guideline for antenatal care and skilled birth attendance by lhv/anm/sn, mohfw, 2010

https://nhm.gov.in/images/pdf/programmes/maternal-health/guidelines/sba\_guidelines\_for\_skilled\_attendance\_at\_birth.pdf

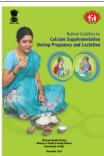


A strategic approach to reporoductive, maternal, newborn, child and adolescent health (rmnch+a) in india, mohfw, 2013 <a href="https://nhm.gov.in/images/pdf/RMNCH+A/RMNCH+A\_Strategy.pdf">https://nhm.gov.in/images/pdf/RMNCH+A/RMNCH+A\_Strategy.pdf</a>



National Guidelines for Calcium Supplementation in Pregnancy and Lactation period, 2014

https://nhm.gov.in/images/pdf/programmes/maternal-health/guidelines/National\_Guidelines\_for\_Calcium\_Supplementation\_During\_Pregnancy\_and\_Lactation.pdf



National Guidelines for Deworming in Pregnancy, MoHFW, 2014 https://nhm.gov.in/images/pdf/programmes/maternal-health/ guidelines/National\_Guidelines\_for\_Deworming\_in\_Pregnancy.pdf



National Guidelines for Diagnosis & Management of Gestational Diabetes Mellitus, MoHFW, 2014

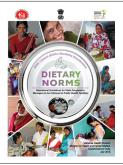
https://nhm.gov.in/images/pdf/programmes/maternal-health/guidelines/National\_Guidelines\_for\_Diagnosis\_&\_Management\_of\_Gestational\_Diabetes\_Mellitus.pdf



Pradhan Mantri Surakshit Matritva Abhiyan, PMSMA, MoHFW, 2016 <a href="https://pmsma.mohfw.gov.in/wp-content/uploads/2016/09/">https://pmsma.mohfw.gov.in/wp-content/uploads/2016/09/</a> PMSMA Operational Framework.pdf



JSSK Dietary Norms, Operational Guidelines for State Programme Managers to be followed in Public Health Facilities, MOHFW, 2018 <a href="https://nhm.gov.in/New\_Updates\_2018/NHM\_Components/RMNCHA/MH/Guidelines/JSSK\_Final\_English.pdf">https://nhm.gov.in/New\_Updates\_2018/NHM\_Components/RMNCHA/MH/Guidelines/JSSK\_Final\_English.pdf</a>



Anemia Mukt Bharat Operational Guidelines, 2018
<a href="https://anemiamuktbharat.info/wp-content/uploads/2023/03/">https://anemiamuktbharat.info/wp-content/uploads/2023/03/</a>
Anemia-Mukt-Bharat-Operational-Guidelines-FINAL.pdf



Guidelines to Maternal and Child Protection Card, 2018
For ANM/ASHA/AWW
https://nhm.gov.in/New\_Updates\_2018/NHM\_Components/
Immunization/Guildelines\_for\_immunization/MCP\_Guide\_Book.
pdf



Anemia Test, Treat, talk (T3) Camp Guidelines - AMB Dashboard-Resource Section - Ana emia Test, Treat, Talk Camp, 2019 <a href="https://anemiamuktbharat.info/resources/">https://anemiamuktbharat.info/resources/</a>

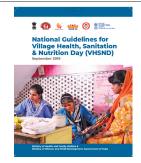


Anemia Mukt Bharat Training toolkit, 2019
<a href="https://anemiamuktbharat.info/wp-content/uploads/2023/03/">https://anemiamuktbharat.info/wp-content/uploads/2023/03/</a>
English Anemia-Mukt-Bharat-Training-Modules-Folder Lowress.pdf



National Guidelines for Village Health, Sanitation & Nutrition Day (VHSND) Ministry of Health and Family Welfare & Ministry of Women and Child Development, Government of India September 2019

<a href="https://nhm.gov.in/New\_Updates\_2018/NHM\_Components/RMNCHA/CH/Guidelines/National\_Guidelines\_on\_VHSND\_English\_High\_Res\_Print\_ready.pdf">https://nhm.gov.in/New\_Updates\_2018/NHM\_Components/RMNCHA/CH/Guidelines/National\_Guidelines\_on\_VHSND\_English\_High\_Res\_Print\_ready.pdf</a>



Unicef Programming Guidance. Maternal Nutrition Prevention of malnutrition in women before and during pregnancy and while breastfeeding, 2022

https://www.unicef.org/media/115361/file/Maternal%20 Nutrition%20Programming%20Guidance.pdf



# **POLICY BRIEFS AND CASE STUDIES**

What to eat before, during and after pregnancy Expert nutrition tips for new mums and mums-to-be UNICEF South Asia, 2023 <a href="https://www.unicef.org/rosa/stories/what-eat-during-and-after-pregnancy#:~:text=Focus%20on%20eating%20wholegrain%20">https://www.unicef.org/rosa/stories/what-eat-during-and-after-pregnancy#:~:text=Focus%20on%20eating%20wholegrain%20</a> foods,can%20help%20improve%20your%20health



Counselling to improve maternal nutrition considerations for programming with quality, equity and scale a technical brief, unicef, 2022 <a href="https://www.unicef.org/media/114566/file/Maternal%20">https://www.unicef.org/media/114566/file/Maternal%20</a>
<a href="https://www.unicef.org/media/114566/">https://www.unicef.org/media/114566/<a href="https://www.unicef

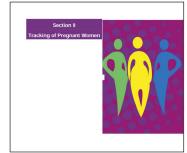


# **INFORMATION SYSTEMS**

Maternal and Child Protection Card
<a href="https://nhm.gov.in/New\_Updates\_2018/NHM\_Components/">https://nhm.gov.in/New\_Updates\_2018/NHM\_Components/</a>
<a href="https://nhm.gov.in/New\_Updates\_2018/NHM\_Components/">Immunization/Guildelines\_for\_immunization/MCP\_Card\_English\_version.pdf</a>



Reproductive Child Health (RCH) Register-Section II- Tracking of Pregnant Women <a href="https://nhm.gov.in/images/pdf/NUHM/Format/RCH\_Register\_Section-II.pdf">https://nhm.gov.in/images/pdf/NUHM/Format/RCH\_Register\_Section-II.pdf</a>



Maternal Nutrition Factsheet - India <a href="https://anemiamuktbharat.info/resources/">https://anemiamuktbharat.info/resources/</a>



Maternal Nutrition Score Cards

- IFA Supplementation
- Antenatal Care
- High Risk Pregnancy

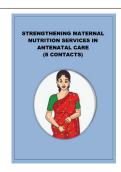
https://anemiamuktbharat.info/resources/



# TRAINING AND COMMUNICATION TOOLKIT

# 1. CHAPTER

Strengthening maternal nutrition services in Antenatal care (8 contacts)
<a href="http://nceard.roshni-cwcsa.co.in/UploadPDF/Document-2020-03-12-12-33-52.pdf">http://nceard.roshni-cwcsa.co.in/UploadPDF/Document-2020-03-12-12-33-52.pdf</a>



#### 2. ALGORITHM

5 Actions for maternal nutrition & mental health services in antenatal care (OPD)

http://nceard.roshni-cwcsa.co.in/UploadPDF/Algorithm\_ANC%20OPD.pdf



# **ENGLISH:-**



HINDI:-

5 Actions for maternal nutrition & mental health services in village health sanitation and nutrition day (VHSND) <a href="http://nceard.roshni-cwcsa.co.in/UploadPDF/Algorithm\_VHSND.pdf">http://nceard.roshni-cwcsa.co.in/UploadPDF/Algorithm\_VHSND.pdf</a>

**ENGLISH:-**



HINDI:-



5 Actions for maternal nutrition services in village health sanitation and nutrition day (VHSND)

efaidnbmnnnibpcajpcglclefindmkaj/http://nceard.roshni-cwcsa.co.in/UploadPDF/Algorithm\_VHSND.pdf\_

**ENGLISH:-**





HINDI:-

5 Actions for maternal nutrition services in antenatal care (OPD) <a href="http://nceard.roshni-cwcsa.co.in/UploadPDF/Algorithm\_VHSND.pdf">http://nceard.roshni-cwcsa.co.in/UploadPDF/Algorithm\_VHSND.pdf</a>

**ENGLISH:-**



HINDI:-



Maternal nutrition for safe motherhood <a href="http://nceard.roshni-cwcsa.co.in/UploadPDF/Flipbook.pdf">http://nceard.roshni-cwcsa.co.in/UploadPDF/Flipbook.pdf</a>

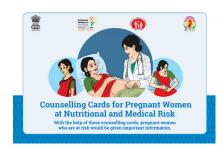


Maternal nutrition for safe motherhood Messages: By-gestational month

http://nceard.roshni-cwcsa.co.in/UploadPDF/By-gestational%20 month%20cards.pdf



Counselling Cards for Pregnant Women at Nutritional and Medical Risk <a href="http://nceard.roshni-cwcsa.co.in/UploadPDF/Atrisk%20">http://nceard.roshni-cwcsa.co.in/UploadPDF/Atrisk%20</a> <a href="cards-17%20conditions.pdf">cards-17%20conditions.pdf</a>



Role of husband during pregnancy <a href="http://nceard.roshni-cwcsa.co.in/UploadPDF/">http://nceard.roshni-cwcsa.co.in/UploadPDF/</a>
Document-2020-03-05-12-43-51.pdf



#### 3. RECIPE BOOK

Home augmented meal/snack recipes For underweight indian women <a href="http://nceard.roshni-cwcsa.co.in/UploadPDF/">http://nceard.roshni-cwcsa.co.in/UploadPDF/</a>
<a href="Document-2020-03-05-11-55-08.pd">Document-2020-03-05-11-55-08.pd</a>



Home based meal/snack recipes For obese indian women <a href="http://nceard.roshni-cwcsa.co.in/UploadPDF/">http://nceard.roshni-cwcsa.co.in/UploadPDF/</a>
<a href="Document-2020-03-05-12-16-24.pdf">Document-2020-03-05-12-16-24.pdf</a>



Home augmented iron rich Snacks/recipes <a href="http://nceard.roshni-cwcsa.co.in/UploadPDF/">http://nceard.roshni-cwcsa.co.in/UploadPDF/</a>
<a href="Document-2020-03-05-13-47-01.pdf">Document-2020-03-05-13-47-01.pdf</a>



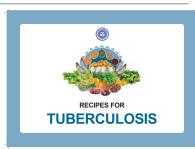
Home based snack recipes for gestational diabetes mellitus <a href="http://nceard.roshni-cwcsa.co.in/UploadPDF/">http://nceard.roshni-cwcsa.co.in/UploadPDF/</a>
<a href="Document-2020-03-05-13-49-38.pdf">Document-2020-03-05-13-49-38.pdf</a>



Recipes for hypertension <a href="http://nceard.roshni-cwcsa.co.in/UploadPDF/">http://nceard.roshni-cwcsa.co.in/UploadPDF/</a>
<a href="Document-2020-03-05-13-52-11.pdf">Document-2020-03-05-13-52-11.pdf</a>



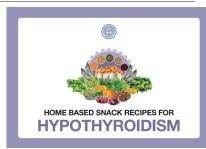
Recipes for tuberculosis
<a href="http://nceard.roshni-cwcsa.co.in/UploadPDF/">http://nceard.roshni-cwcsa.co.in/UploadPDF/</a>
Document-2020-03-05-13-55-14.pdf



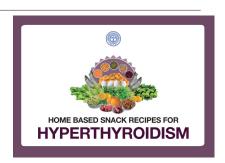
Energy dense recipes for hiv/aids http://nceard.roshni-cwcsa.co.in/UploadPDF/ Document-2020-03-05-13-58-41.pdf



Home based snack recipes for hypothyroidism <a href="http://nceard.roshni-cwcsa.co.in/UploadPDF/">http://nceard.roshni-cwcsa.co.in/UploadPDF/</a>
<a href="Document-2020-03-05-14-01-18.pdf">Document-2020-03-05-14-01-18.pdf</a>



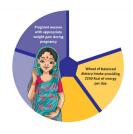
Home based snack recipes for hyperthyroidism <a href="http://nceard.roshni-cwcsa.co.in/UploadPDF/">http://nceard.roshni-cwcsa.co.in/UploadPDF/</a>
<a href="Document-2020-03-05-14-04-04.pdf">Document-2020-03-05-14-04-04.pdf</a>



# 4. THALI MODELS

Normal weight

http://nceard.roshni-cwcsa.co.in/UploadPDF/1.%20Plate Normal%20weight.pdf



Underweight

http://nceard.roshni-cwcsa.co.in/UploadPDF/2.%20Plate%20\_ Underweight.pdf



Obese

http://nceard.roshni-cwcsa.co.in/UploadPDF/3.%20Plate\_ Obese.pdf



# 5. MN FILMS

MN algorithm

https://youtu.be/Ju24jKPERMY



Does eating white colour food during pregnancy result in fair-skinned baby? <a href="https://youtu.be/IY\_SrVjbosU">https://youtu.be/IY\_SrVjbosU</a>



Does drinking coffee adversely affects pregnancy outcome? <a href="https://youtu.be/InOuQgQu2Fw">https://youtu.be/InOuQgQu2Fw</a>



Does Consumption of ghee during pregnancy eases delivery? <a href="https://youtu.be/yNv6bVJiwMs">https://youtu.be/yNv6bVJiwMs</a>



Recipes for obese pregnant women <a href="https://youtu.be/yNv6bVJiwMs">https://youtu.be/yNv6bVJiwMs</a>



Iron rich Recipes for pregnant women <a href="https://youtu.be/cuRuOAePW71">https://youtu.be/cuRuOAePW71</a>



# 6. MN IN NUTRITION REHABILITATION CENTER (NRC)

MN care at NRC operational guidelines <a href="https://www.ennonline.net/attachments/3055/Maternal\_Guidelines-final.pdf">https://www.ennonline.net/attachments/3055/Maternal\_Guidelines-final.pdf</a>



# Algorithm

https://www.ennonline.net/attachments/3055/Maternal\_ Guidelines-final.pdf



# 7. DIALOGUE CARDS

Diet diversity

http://nceard.roshni-cwcsa.co.in/UploadPDF/4a.Diet%20 Diversity ENGLISH Prepress.pdf

**ENGLISH:-**



http://nceard.roshni-cwcsa.co.in/UploadPDF/4b.Diet%20 Diversity\_HINDI\_Prepress.pdf

HINDI:-



Benefits of breastfeeding

http://nceard.roshni-cwcsa.co.in/UploadPDF/4c.English\_ Breastfeeding\_Flash%20Card\_09%20Oct%202018\_Prepress.pdf

**ENGLISH:-**



http://nceard.roshni-cwcsa.co.in/UploadPDF/4d.Hindi\_ Breastfeeding\_Flash%20Card\_Prepress.pdf

HINDI:-



Personal hygiene

http://nceard.roshni-cwcsa.co.in/UploadPDF/4e.Hygiene%20 &%20Sanitation English Prepress.pdf

**ENGLISH:-**



http://nceard.roshni-cwcsa.co.in/UploadPDF/4f.Hygiene%20 &%20Sanitation Hindi Prepress.PDF

HINDI:-



Micronutrients

http://nceard.roshni-cwcsa.co.in/UploadPDF/4g. Micronutrient%20&%20Anemia\_English\_Prepress.pdf

**ENGLISH:-**



http://nceard.roshni-cwcsa.co.in/UploadPDF/4h. Micronutrient%20&%20Anemia Hindi Prepress.pdf

HINDI:-



Family planning

http://nceard.roshni-cwcsa.co.in/UploadPDF/English\_ Family%20Planning.pdf\_

**ENGLISH:-**



http://nceard.roshni-cwcsa.co.in/UploadPDF/Hindi\_Family%20 Planning.pdf

HINDI:-



Communicable and Non communicable diseases <a href="http://nceard.roshni-cwcsa.co.in/UploadPDF//English\_NCD%20">http://nceard.roshni-cwcsa.co.in/UploadPDF//English\_NCD%20</a> <a href="https://www.wcsa.co.in/UploadPDF//English\_NCD%20">&%20CD.pdf</a>

**ENGLISH:-**



http://nceard.roshni-cwcsa.co.in/UploadPDF/Hindi\_NCD%20and%20CD.pdf

HINDI:-



# 8. WOMEN INTERVENTION FNHW

VO Integrated micro planning (IMP)

http://www.roshni-cwcsa.co.in/UploadDocument/5\_ Swabhiman%20Karyakram%20\_27.08.2019.pdf



IMP review format- VO Level

http://www.roshni-cwcsa.co.in/UploadDocument/06\_IMP%20 review%20-%20VO.pdf



IMP review format- CLF Level

http://www.roshni-cwcsa.co.in/UploadDocument/07\_IMP%20 Review%20-%20CLF.pdf



Daily food time-table (Dincharya Chart)

http://www.roshni-cwcsa.co.in/UploadDocument/08\_Daily%20 Food%20time%20Table\_revised-01.jpg



# Food myths chart

http://www.roshni-cwcsa.co.in/UploadDocument/09\_Food%20 Myths%20Chart.jpg



Govt services & practices problem assessment chart <a href="http://www.roshni-cwcsa.co.in/UploadDocument/10%20">http://www.roshni-cwcsa.co.in/UploadDocument/10%20</a>
Government%20Services%20&%20Assessment%20Chart%20

\_29.08.2019.pdf



#### Problem cards

http://www.roshni-cwcsa.co.in/UploadDocument/13-%20 Problem%20Card%20(used%20in%20PLA%20Meeting%20 No.%205).pdf



### Food items photos

http://www.roshni-cwcsa.co.in/UploadDocument/10-%20 Food%20Items%20Postcard.pdf



#### Nazari Naksha

http://www.roshni-cwcsa.co.in/UploadDocument/11-%20 Village%20Resource%20Mapping.pdf



PLA Module: Maitri Baithak (24 Cycle)

http://www.roshni-cwcsa.co.in/UploadDocument/14%20 PLA%20Module%20-%20Maitri%20Baithak 29.08.2019.pdf



#### **BMI Chart**

http://www.roshni-cwcsa.co.in/UploadDocument/14-%20 BMI%20Chart%20(used%20in%20PLA%20Meeting%20No.%20 3).JPG



# **Food Groups**

http://www.roshni-cwcsa.co.in/UploadDocument/15-%20 Food%20Groups%20(used%20in%20PLA%20Meeting%20 No.%2010).JPG



# Diarrhoea diagram

http://www.roshni-cwcsa.co.in/UploadDocument/16-%20 Diarrhoea%20Diagram%20(used%20in%20PLA%20Meeting%20 No.%2010).JPG



# Pre-post tests for women PLA

http://www.roshni-cwcsa.co.in/UploadDocument/17-%20 Pre-Post%20Test%20for%20Women%20PLA%20Module%20 Training%20(Round%201,%202%20&%203).pdf



#### Introduction note

http://www.roshni-cwcsa.co.in/UploadDocument/1-%20 Introduction%20Note%20to%20FNHW%20Women%20 Intervention.pdf



# 9. NRLM RESOURCE

Maternal nutrition flipbook for shg meetings https://fnhw-aajeevika.lokos.in/pdfs\_english/Flipbooks/Maternal%20Nutrition.pdf



Counselling card maternal nutrition

https://fnhw-aajeevika.lokos.in/pdfs\_english/Counselling%20 Cards/Counselling%20card-Maternal%20Nutrition.pdf



Maternal nutrition poster

https://fnhw-aajeevika.lokos.in/pdfs\_english/Posters/Poster-Maternal%20Nutrition.pdf

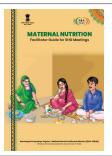


Antenatal care

https://fnhw-aajeevika.lokos.in/pdfs\_english/Stickers/Stickers-Antenatal%20Care.pdf



Maternal nutrition Facilitator guide for shg meetings <a href="https://fnhw-aajeevika.lokos.in/pdfs\_english/Facilitator%20Guides/Maternal%20Nutrition.pdf">https://fnhw-aajeevika.lokos.in/pdfs\_english/Facilitator%20Guides/Maternal%20Nutrition.pdf</a>



# MN E MODULE....(COMING SOON)

# **MN WEBINAR SERIES**

Maternal Nutrition Technical Webinar Videos and Materials <a href="https://drive.google.com/drive/folders/1DxuxPbZRuuG\_7PNNf-UL-RUdcTbUYjpl">https://drive.google.com/drive/folders/1DxuxPbZRuuG\_7PNNf-UL-RUdcTbUYjpl</a>



#### Video Links:

Maternal Thinness

https://drive.google.com/drive/folders/1DxuxPbZRuuG\_7PNNf-UL-RUdcTbUYjpl



# **Maternal Obesity**

https://docs.google.com/presentation/d/1-tx73UhggEhecR9UDOZ0xHQMPUkgKTsZ/edit?pli=1#slide=id.p1

India Maternal Nutrition e-Technical Dialogue#2, 26 February, 2021

Obesity during pregnancy in India
Prevalence, Determinants, Screening and Management Options

Vani Sethi, Ph.D. (UNICEF) and William Joe (IEG)

unicef 👁 🌃

Women's group for maternal nutrition <a href="https://www.youtube.com/watch?v=0Zypx-8xmX4">https://www.youtube.com/watch?v=0Zypx-8xmX4</a>



Maternal diets and counselling <a href="https://www.youtube.com/watch?v=Ezlva4aSO14">https://www.youtube.com/watch?v=Ezlva4aSO14</a>



Maternal Mental Health <a href="https://www.youtube.com/watch?v=R48dexlvro8">https://www.youtube.com/watch?v=R48dexlvro8</a>



Maternal Anemia

https://www.youtube.com/watch?v=DKzN-pwCwc8



FIGO Nutrition Checklist <a href="https://www.youtube.com/watch?v=QZMxQBk0Zh0">https://www.youtube.com/watch?v=QZMxQBk0Zh0</a>



The role of social marketing in maternal health and nutrition <a href="https://www.youtube.com/watch?v=umxBhtJOUf0">https://www.youtube.com/watch?v=umxBhtJOUf0</a>



Digital Innovations for maternal health and nutrition <a href="https://www.youtube.com/watch?v=t8HseEi7dy0">https://www.youtube.com/watch?v=t8HseEi7dy0</a>



Maternal Nutrition and Health during COVID-19 pandemic <a href="https://www.youtube.com/watch?v=uWtNVL1R">https://www.youtube.com/watch?v=uWtNVL1R</a> yQ



Maternal Iodine Deficiency - An unfinished agenda <a href="https://www.youtube.com/watch?v=O9FtwQl--PM">https://www.youtube.com/watch?v=O9FtwQl--PM</a>



Nutrient Requirements 2020, and it's implications for Public Health Interventions

https://www.youtube.com/watch?v=U1qH6ZWGXv0





8- and 7-months pregnant mothers Sunitaben Vasava (left) and Minaben Vasava (right) being counselled on maternal nutrition by Anganwadi worker Sangitaben Vasava in the Aanganwadi centre 2 of Nivalda Village, Narmada, Gujarat, India

# **PAPERS**

# 1. LEVELS AND DETERMINANTS

Levels and determinants of malnutrition among India's urban poor women: An analysis of DemographicHealth Surveys 2006 and 2016. <a href="https://onlinelibrary.wiley.com/doi/epdf/10.1111/mcn.12978">https://onlinelibrary.wiley.com/doi/epdf/10.1111/mcn.12978</a>



Population estimates, consequences, and risk factors of obesity among pregnant and postpartum women in India: Results from a national survey and policy recommendations

https://obgyn.onlinelibrary.wiley.com/doi/epdf/10.1002/ijgo.13319



Assessment of nutrition status of pregnant women based on MUAC <a href="http://www.roshni-cwcsa.co.in/UploadDocument/">http://www.roshni-cwcsa.co.in/UploadDocument/</a>
<a href="Document-2021-03-04-18-42-55.pdf">Document-2021-03-04-18-42-55.pdf</a>



#### 2. SERVICES

Antenatal Care Service Utilization among Adolescent Pregnant Women– Evidence from Swabhimaan Programme in India <a href="https://www.frontiersin.org/articles/10.3389/fpubh.2019.00369/full">https://www.frontiersin.org/articles/10.3389/fpubh.2019.00369/full</a>



Missed opportunities for delivering nutrition interventions in first 1000 days of life in India: insights from the National Family Health Survey, 2006 and 2016

https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7908280/pdf/bmjgh-2020-003717.pdf



Delivering essential nutrition Interventions for Women in Tribal Pockets of Eastern India

https://www.epw.in/journal/2019/4/special-articles/delivering-essential-nutrition.html



#### 3. DIETS

Maternal Diets in India: Gaps, Barriers, and Opportunities file://C:/Users/vsethi/Downloads/nutrients-13-03534%20(1).pdf



An Adaptation of the Food Insecurity Experience Scale (FIES) for Measuring Food Insecurity Among Women in Socially Backward Communities

http://www.roshni-cwcsa.co.in/UploadDocument/ Document-2021-04-11-11-15-31.pdf



#### 4. GENDER

Making swabhimaan gender transformative: formative research on engaging men and boys for advancing gender equality in the swabhimaan programme

http://www.roshni-cwcsa.co.in/ResourcesFNHWReports.aspx?flag=1



#### 5. SCIENCE OF DELIVERY

# **Food systems**

Improving maternal nutrition in india through integrated hot-cooked meal programs: a review of implementation evidence, UNICEF and IFPRI 2021

https://poshan.ifpri.info/2021/05/25/improving-maternal-nutrition-in-india-through-integrated-hot-cooked-meal-programs-a-review-of-implementation-evidence/



Delivering an integrated package of maternal nutrition interventions in Andhra Pradesh and Telangana(India).

https://journals.sagepub.com/doi/pdf/10.1177/0379572119844142



Combining a mid-day meal, health service package and peer support in Karnataka State, India.

https://www.ennonline.net/nex/southasia/middaymealindia



#### **6. HEALTH SYSTEMS**

Screening and management options for severe thinness in pregnancy in India

https://obgyn.onlinelibrary.wiley.com/doi/epdf/10.1002/ijgo.13939



Development of a maternal service package for mothers of children with severe acute malnutrition admitted to nutrition rehabilitation centres in India

https://www.ennonline.net/attachments/3096/FEX\_59web\_060219\_26-30.pdf



Women's nutrition matters for achieving Poshan Abhiyaan targets <a href="https://poshan.ifpri.info/2018/06/28/womens-nutrition-matters-for-achieving-poshan-abhiyaan-targets/">https://poshan.ifpri.info/2018/06/28/womens-nutrition-matters-for-achieving-poshan-abhiyaan-targets/</a>



Integrating an Algorithmic and Health Systems thinking Approach strengthens maternal nutrition services in government antenatal care programmes in Madhya Pradesh (India) <a href="https://pubmed.ncbi.nlm.nih.gov/36744622/">https://pubmed.ncbi.nlm.nih.gov/36744622/</a>



# 7. INFLUENCING PLANNING, ALLOCATION AND EXPENDITURE FOR MATERNAL NUTRITION IN INDIA (AVAILABLE ON REQUEST)

#### 8. MULTI-SECTORAL INTERVENTIONS

Integrated multisectoral strategy to improve girls' and women's nutrition before conception, during pregnancy and after birth in India (Swabhimaan): protocol for prospective, non-randomised controlled evaluation

https://bmjopen.bmj.com/content/bmjopen/9/11/e031632.full.pdf



Early lessons from Swabhimaan, a multi-sector integrated health and nutrition programme for women and girls in India <a href="https://www.ennonline.net/fex/65/">https://www.ennonline.net/fex/65/</a>
<a href="https://www.ennonline.net/fex/65/">healthnutritionprogrammewomenindia</a>



Context for layering women's nutrition interventions on a large scale poverty alleviation program: Evidence from three eastern Indian states

https://doi.org/10.1371/journal.pone.0210836

large scale poverty's lieuwiston programs: Evidence from three eastern Indian states

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Partnering with women collectives for delivering essential women's nutrition interventions in tribal areas of eastern India: a scoping study <a href="https://jhpn.biomedcentral.com/articles/10.1186/s41043-017-0099-8">https://jhpn.biomedcentral.com/articles/10.1186/s41043-017-0099-8</a>

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Layering gender and mental health and nutrition programmes <a href="http://www.roshni-cwcsa.co.in/SwabhimaanProgramme2.aspx">http://www.roshni-cwcsa.co.in/SwabhimaanProgramme2.aspx</a>



# 9. FISCAL CHALLENGES

Fiscal challenges in scaling up nutrition interventions.

https://www.epw.in/journal/2019/26-27/special-articles/fiscal-challenges-scaling-nutrition-interventions.html

Fiscal Chollenges in Scaling Up Nutrition Interventions
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Delivering Nutrition to Pregnant Women: Fiscal Bottlenecks in Purnea, Bihar

https://www.epw.in/journal/2019/20/perspectives/delivering-nutrition-pregnant-women.html

Delivering Nutrition to Pregnant Women

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Integrating nutrition and mental health screening, risk identification and management in prenatal health programs in India

Tash Chedon <sup>8</sup>, Vari Seth <sup>9</sup>, Sarah Louise Kileen <sup>8</sup>, Sundanag Garjekar <sup>4</sup>, Veena Satyanangana <sup>4</sup>, Sebasti Ghesh <sup>5</sup>, Chandai Maria Jacob <sup>8</sup> <sup>2</sup>, Finenuala M McAulille <sup>3</sup>, Maik A Hasson <sup>8</sup>, Patika Chanda <sup>4</sup>

PMD: 36808736 DOI: 10.1002/l/go.147

Abstract

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Keywoods: India: common meetal clisonders; community prenatal care; maternal meetal health; maternal notifion.

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Screening and management options for severe thinness during pregnancy in India

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PMID: 34724206 DOI: 10.1002/920.13939

Abstract

An experiment search appelicate as execution per engagement of search forms in progression agreement of search and execution of search and execution in progression agreement of search and one of search in the lad dead in bits. Make countries as search and the search and th

Population estimates and determinants of severe maternal thinness in India

https://www.ncbi.nlm.nih.gov/pmc/articles/PMC8597590/#:~:text=Prevalence%20of%20severe%20thinness%20is,49%20years%20across%2060%20LMICs.&text=This%20estimate%20is%20consistent%20over,between%202%25%20and%2041%25.

article reveals the geographic pockets in India th

for managing severe

thinness among pregnant and postpartum women to limit the immediate and interger adverse consequences emanating from these deprivations.

In most low- and middle-income countries (LMICs), severe thinness—defined by the World He
Organization (UHO) as body mass index (BMI, calculated as weight in kilograms divided by hei
in noters squared) below 16.1—among women of reproductive age (15-49 years) continues to

DMGs. This estimate it consistent over a Toyour time home to ross LMGs. In India, the provisions of thismost are severe timeness range between 20 and 14(3). 2. 6.6.6.6.2.6.6.6.1.1.1.1 in a study on Asian shelf turn and venuers, mortally risk was twice as high must place with the properties with very high BMG (1.5.3). Thismost, where mad [200 He 1.6.1.0.6.1.0.1.1] was represented with very high BMG (1.5.3). This many there with the professor with the properties with the professor of the professor with t

Using data from the National Family Health Survey (NFHS)-4 <sup>18</sup> and a desk review of literature with

. MATERIALS AND METHODS

Go to: ►

The geographic scope of the current study is India. The study used a mix of analytical methods including a review of the literature on the prevalence and consequences of severe thinness, and secondary analysis of NFHS-4. To estimate the prevalence of and risk factors for maternal seventhinness.

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Screening and Management of Maternal Malnutrition in Nutritional Rehabilitation Centers as a Routine Service: A Feasibility Study in Kalawati Saran Children Hospital, New Delhi

fashi Choedon <sup>1</sup>, Konsam Dinachandra <sup>1</sup>, Vani Sethi <sup>2</sup>, Praveen Kumar <sup>3</sup>

Affiliations + expand PMCID: PMCID: PMCID:201076 DOI: 10.4103/jonul/CM\_491\_20

Abstract

Absignmenth in India. Nutrition Rehabilitation Centers (NRCs) established at public health facilities provide residential medical nutrition therapy for severe acute malnutrition (SAM); children with complications. A large proportion of their mothers are also malnutrition (SAM); children with services to such mothers as part of nutriting practice. However, exhibical algorithm for delivering services to such mothers as part of nutriting practice. However, exhibical algorithm for delivering the services to such mothers as part of nutriting practice. However, exhibical algorithm for delivering the services to such mothers as part of nutriting practice. However, exhibiting algorithm for delivering the services of the services are also services as a service of the services of the services are also services as a service of the services of the services are also services as a service of the services are also services as a service of the services of the services are also services as a service of the services of the services are also services as a service of the services are also services as a service of the services are also services as a service of the services are also services as a service of the services are also services as a service of the services are a service of the services are also services as a service of the services are also services as a service of the services are a service of the services are also services as a service of the services are also services as a service of the services are a services as a service of the services are also services as a service of the services are also services as a service of the services are also services as a service of the services are a servi

Objectives: To test the practical feasibility of layering the IMV services in NRC as a norther service.

Methods: The IMV services were delivered by a multicon consistent using a trippe approach (seases, laugh), sugglement-consistent, and group consenting, and consistent and practical seases of the consistent and practical seases of the consistent and consistent a

nutrition outstells was conducted.

Rasollas Out of 160 mothers, 80 were found to be prognant and 80% were at nutrition or medical risk. The prevailence of short statum was 180k, seenelythin 21%, overneight/obsete 240k, and americ. 72%. Feedback from the nutrition counselor indicated no operational duallenges, however, further effects to servine that mothers keep coming back for follow-put initial in each.

72%. Feedback from the nutrition counselor indicated no operational challenges, however, furt efforts to ensure that mothers keep coming back for follow-up visits is needed. **Cenclusion:** The findings indicated that existing staffs were able to deliver the MM services with time, cost, and regime of the routine NRIC. This paper provides four recommendations for layer.

Screening and Management of Maternal Malnutrition in Nutritional Rehabilitation Centers as a Routine Service: A Feasibility Study in Kalawati Saran Children Hospital, New Delhi <a href="https://pubmed.ncbi.nlm.nih.gov/34321734/">https://pubmed.ncbi.nlm.nih.gov/34321734/</a>

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PMID: 34321734 PMICID: PMICID: 81408281876 DOI: 10.4103/ijon.UCM\_491\_

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Abstract

Abstrace Backgrounds is India. Nutrition Rehabilitation Centers (NIRCs) established at public health skillibles provide residential redical nutrition thereby for severe acute main.extrition (SAR) dhildren with complications. A large proportion of their mothers are also mahousthed. NIRCs do not provide services to such members as part of toxinite paraticle. However, fertifical algorithm of delivering services to such members as part of toxinite paraticle. However, fertifical algorithm of delivering toxinite services and toxinite paraticle services.

Objectives: To test the practical feedablity of layering the MIX enrices in NIX.e. a noutice service, Methods: In MIX services were differed by a multifrico consent unique a living a regional fuenes. Custify, supplement/counsel freed. All mothers include diet, intronutients, and group counseling those of multiformid inter-ceived disfiduction counseling and SMI methods also received onth-up diet during their stay. Program data were collected from methods during January 116 August 33, 2019 as MIX NIX is Kildural Saaro Children Despatible. To gain coeperation (uniquity, a structural destresses with MIX is Kildural Saaro Children Despatible. To gain coeperation (uniquity, a structural destresses with MIX is Kildural start Children Despatible.)

Results: Out of 160 mothers, 80 were found to be pregnant and 89% were at multilion or medical risk. The prevalence of short stature was 1994, sevens/thin 21%, overweight/obses 24%, and anexel 25% overweight/obses 24%, and anexel 25% overweight/obses 24%, and anexel 25% overweight/obses 25%, overweight/obses 24%, and anexel 45% overweight/obses 25%, overweight/obses 25%, overweight/obses 25%, overweight/obses 25%, and 45% overweight/obses 25%, overweig