

University of Groningen

## Promoting contraceptive uptake to reduce the unmet need for family planning during the postpartum period in Ethiopia

Jima, Gebi Husein

DOI:  
[10.33612/diss.866054484](https://doi.org/10.33612/diss.866054484)

**IMPORTANT NOTE:** You are advised to consult the publisher's version (publisher's PDF) if you wish to cite from it. Please check the document version below.

*Document Version*  
Publisher's PDF, also known as Version of record

*Publication date:*  
2024

[Link to publication in University of Groningen/UMCG research database](#)

*Citation for published version (APA):*

Jima, G. H. (2024). *Promoting contraceptive uptake to reduce the unmet need for family planning during the postpartum period in Ethiopia: PPFPP in Ethiopia*. [Thesis fully internal (DIV), University of Groningen]. University of Groningen. <https://doi.org/10.33612/diss.866054484>

### Copyright

Other than for strictly personal use, it is not permitted to download or to forward/distribute the text or part of it without the consent of the author(s) and/or copyright holder(s), unless the work is under an open content license (like Creative Commons).

The publication may also be distributed here under the terms of Article 25fa of the Dutch Copyright Act, indicated by the "Taverne" license. More information can be found on the University of Groningen website: <https://www.rug.nl/library/open-access/self-archiving-pure/taverne-amendment>.

### Take-down policy

If you believe that this document breaches copyright please contact us providing details, and we will remove access to the work immediately and investigate your claim.

Downloaded from the University of Groningen/UMCG research database (Pure): <http://www.rug.nl/research/portal>. For technical reasons the number of authors shown on this cover page is limited to 10 maximum.

# Promoting contraceptive uptake to reduce the unmet need for family planning during the postpartum period in Ethiopia



**Gebi Husein Jima**



**Promoting contraceptive uptake to reduce  
the unmet need for family planning during  
the postpartum period in Ethiopia**

**Gebi Husein Jima**

## **Colophon**

This research was conducted within the Research Institute SHARE of the Graduate School of Medical Sciences, University Medical Center Groningen, University of Groningen and under auspices of the research program Public Health Research (PHR), at the Department of Health Sciences, Global Health Section.

The printing of this thesis was financially supported by the Graduate School of Medical Sciences, Research Institute SHARE, University Medical Center Groningen, and the University of Groningen.

Cover design: Ridderprint, [www.ridderprint.nl](http://www.ridderprint.nl)

Provided by thesis specialist Ridderprint, [www.ridderprint.nl](http://www.ridderprint.nl)

Printing: Ridderprint, [www.ridderprint.nl](http://www.ridderprint.nl)

Layout and design: Gebi Husein Jima

©2023 Gebi Husein Jima, the Netherlands

All rights reserved. No part of this thesis may be reproduced or transmitted in any form or by any means without the prior written permission of the author.



university of  
 groningen

**Promoting contraceptive uptake to  
 reduce the unmet need for family  
 planning during the postpartum  
 period in Ethiopia**

PPFP in Ethiopia

**PhD thesis**

to obtain the degree of PhD at the  
 University of Groningen  
 on the authority of the  
 Rector Magnificus Prof. J.M.A. Scherpen  
 and in accordance with  
 the decision by the College of Deans.

This thesis will be defended in public on

Monday 26 February 2024 at 9.00 hours

by

**Gebi Husein Jima**

born on 21 July 1986

## **Supervisor**

Prof. J. Stekelenburg

## **Co-supervisors**

Dr. R.G. Biesma-Blanco

Dr. Tegbar Yigzaw

## **Assessment Committee**

Prof. T.H. van den Akker

Prof. M.J. Postma

Prof. M. Molla

# Table of Contents

List of Acronyms/Abbreviations.....	7
<b>Chapter 1</b>	
General Introduction .....	9
<b>Chapter 2</b>	
Effect of integrating postpartum family planning into the health extension program in Ethiopia on postpartum adoption of modern contraception .....	31
<b>Chapter 3</b>	
Effect of multiple counseling contacts along the continuum of care on use of postpartum family planning in a cohort of Ethiopian women .....	47
<b>Chapter 4</b>	
Factors associated with modern contraceptives uptake during the first year after birth in Ethiopia: A systematic review and meta-analysis.....	73
<b>Chapter 5</b>	
Effect of contacts with health professionals on modern contraceptives uptake during the first 6 weeks after child birth: a prospective cohort study in Arsi Zone.....	99
<b>Chapter 6</b>	
Short Inter-pregnancy Interval and Associated Factors among Reproductive Age Women in Neighboring Lowland Ecologies of Arsi and East Shoa Zone, Southeast Ethiopia: A community based Cross-sectional study .....	113
<b>Chapter 7</b>	
General Discussion .....	139
Summary.....	159
Samenvatting .....	163
Acknowledgments.....	169
CV of the Author .....	173
Research Institute SHARE .....	180
The Safe Motherhood Series.....	181





## List of Acronyms/Abbreviations

ANC	Antenatal Care
BCC	Behavioural Change Communication
EDHS	Ethiopia Demographic and Health Survey
EMDHS	Ethiopia Mini Demographic and Health Survey
EPI	Expanded program of Immunization
FGAE	Family Guidance Association of Ethiopia
FP	Family Planning
GDP	Gross Domestic Product
HC	Health Center
HEP	Health Extension Program
HEWs	Health Extension Workers
HPs	Health Posts
HSTP	Health Sector Transformation Plan
HTSP	Healthy Timing and Spacing of Pregnancy
IMCH	Integrated Maternal and Child Health
HMIS	Health Management Information System
IEC	Information, Education, and Communication
IPI	Inter-pregnancy Interval
IPFP	Immediate Postpartum Family Planning
MCSP	Maternal and Child Survival Program
MOH	Ministry of Health
MNCH	Maternal, Neonatal, and Child Health
PHCU	Primary Health Care Unit
PHC	Primary Health Care
PNC	Postnatal Care
PPFP	Postpartum Family Planning
SDG	Sustainable Development Goals
SDOH	Social Determinants of Health
SIPI	Short Interpregnancy Interval
SSA	Sub-Saharan African countries
UNFPA	United Nations Population Fund
WDA	Women Development Army

