University of Groningen

Improving Access to Quality Family Planning Services in Kenya by Addressing Contraceptive Discontinuation

Ontiri, Susan

DOI:
[10.33612/diss.194848032](https://doi.org/10.33612/diss.194848032)

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:
2021

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

Citation for published version (APA):
Ontiri, S. (2021). *Improving Access to Quality Family Planning Services in Kenya by Addressing Contraceptive Discontinuation*. [Thesis fully internal (DIV), University of Groningen]. University of Groningen. <https://doi.org/10.33612/diss.194848032>

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.

Susan Kemunto Ontiri

Safe Motherhood:

**IMPROVING ACCESS TO QUALITY
FAMILY PLANNING SERVICES IN KENYA
BY ADDRESSING CONTRACEPTIVE
DISCONTINUATION**

Susan K. Ontiri

Improving Access to Quality Family Planning Services in Kenya by Addressing
Contraceptive Discontinuation

Photo Credits: Jhpiego Kenya

Layout and Cover design: Gideon Mureithi & Radido Shadrack

Doctoral dissertation. University of Groningen; the Netherlands

The research presented in this thesis was carried out at the department of Public Health Research (PHR) of the Research Institute SHARE of the Graduate School of Medical Sciences of the University of Groningen.

This research was partly supported by Jhpiego's USAID Afya Halisi Project-Kenya. The opinion expressed herein are those of the author and do not necessarily reflect the views of the U.S. Agency for International Development or Jhpiego.

©Copyright Susan Ontiri, 2021.

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

university of
 groningen

Improving access to quality family planning services in Kenya by addressing contraceptive discontinuation

PhD thesis

to obtain the degree of PhD at the
 University of Groningen
 on the authority of the
 Rector Magnificus Prof. C. Wijmenga
 and in accordance with
 the decision by the College of Deans.

This thesis will be defended in public on

Wednesday 22 December 2021 at 11.00 hours

by

Susan Kemunto Ontiri

born on 30 June 1988
 in Nakuru, Kenya

Supervisor

Prof. J. Stekelenburg

Co-supervisors

Prof. R.G. Biesma-Blanco

Prof. M. Kabue

Assessment Committee

Prof. A. Hoek

Prof. A.V. Ranchor

Prof. T.H. van den Akker

TABLE OF CONTENTS

Chapter 1:	General Introduction	7
Chapter 2:	Long-Acting Reversible Contraception Uptake and Associated Factors among Women of Reproductive Age in Rural Kenya	23
Chapter 3:	Protocol for a prospective mixed-methods longitudinal study to evaluate the dynamics of contraceptive use, discontinuation, and switching in Kenya	41
Chapter 4:	Patterns and determinants of modern contraceptive discontinuation among women of reproductive age: Analysis of Kenya Demographic Health Surveys, 2003–2014	61
Chapter 5:	A qualitative exploration of contraceptive use and discontinuation among women with an unmet need for modern contraception in Kenya	81
Chapter 6:	Assessing Quality of Counseling for Family Planning Services and its determinants in Kenya: Analysis of national cross-sectional survey	105
Chapter 7:	Dynamics of contraceptive adoption, abandonment, and switching among first-time female users: a prospective cohort study in Kenya	127
Chapter 8:	General Discussion and Conclusion	159
Chapter 9:	Appendices	173
	Summary	174
	Samenvatting	176
	Curriculum Vitae	180
	Acknowledgements	181
	Research Institute SHARE	183
	The Safe Motherhood Series	185