

University of Groningen

Newly introduced vaccines: effectiveness and determinants of acceptance

Gefenaite, Giedre

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:

2014

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

Citation for published version (APA):

Gefenaite, G. (2014). *Newly introduced vaccines: effectiveness and determinants of acceptance*. s.n.

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).

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.

Newly introduced vaccines

Effectiveness and determinants of acceptance

Giedrė Gefenaitė

ISBN 978-90-367-7000-2 (printed version)

ISBN 978-90-367-6999-0 (digital version)

Author Giedrė Gefenaitė

Cover-design and lay-out Michiel Mellens (NetzoDruk), Giedrė Gefenaitė

Printed by NetzoDruk Groningen

The research presented in this thesis was supported by University Medical Center Groningen, University of Groningen, Institute for Health Research SHARE and Graduate School of Medical Sciences GSMS.

Printing of this thesis was financially supported by University Medical Center Groningen, University of Groningen, Institute for Health Research SHARE, GlaxoSmithKline and Pfizer.

© 2014 Giedrė Gefenaitė

No parts of this thesis may be reproduced or transmitted in any forms or by any means, electronic or mechanical, including photocopying, recording, or by any information storage and retrieval system, without written permission of the author. The copyright of previously published chapters of this thesis remains with the publisher or journal.



university of
 groningen

Newly introduced vaccines

Effectiveness and determinants of acceptance

PhD thesis

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

This thesis will be defended in public on

Wednesday 28 May 2014 at 14.30 hours

by

Giedrė Gefenaitė

born on 12 March 1985
 in Vilnius, Lithuania

Supervisors

Prof. E. Hak

Prof. R.P. Stolk

Assessment committee

Prof. A. Ambrozaitis

Prof. A.L.W. Huckriede

Prof. H.A. Smit

Contents

Chapter 1	General introduction	9
Chapter 2	Influenza: describing influenza seasons, cases, vaccine acceptance and vaccine effectiveness	
Chapter 2.1	Seasonal influenza in 48 countries of the WHO European Region: analysis of influenza surveillance data from 2008/2009 to 2012/2013	19
Chapter 2.2	After adjusting for bias in meta-analysis seasonal influenza vaccine remains effective in community-dwelling elderly	37
Chapter 2.3	Effectiveness of A(H1N1)pdm09 influenza vaccine in adults recommended for annual influenza vaccination	93
Chapter 2.4	Seasonal influenza vaccine effectiveness against influenza in 2012-2013: a hospital-based case-control study in Lithuania	113
Chapter 2.5	Predictors of influenza in the adult population during the seasonal and A(H1N1)pdm09 pandemic influenza seasons	133
Chapter 2.6	Predictors of influenza vaccination among health care workers in hospitals: a descriptive meta-analysis	141
Chapter 3	Pneumococcal vaccination campaign effectiveness	155
Chapter 4	Q fever vaccine effectiveness	167
Chapter 5	Acceptance of HPV vaccine	177
Chapter 6	General discussion	199
Summaries		217
List of publications		232
Contributing authors		234
Acknowledgements		237
Curriculum vitae		240
Institute for Health Research SHARE		241

