University of Groningen

Breaking the cycle?

Havinga, Petra

DOI:
[10.33612/diss.112725525](https://doi.org/10.33612/diss.112725525)

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:
2020

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

Citation for published version (APA):
Havinga, P. (2020). *Breaking the cycle? intergenerational transmission of depression/anxiety and opportunities for intervention*. [Thesis fully internal (DIV), University of Groningen]. Rijksuniversiteit Groningen. <https://doi.org/10.33612/diss.112725525>

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.

Breaking the cycle?

Intergenerational transmission of depression/anxiety
and opportunities for intervention

Petra Havinga

This dissertation was supported by the University Medical Center Groningen, Department of Psychiatry and by Accare Center for Child and Adolescent Psychiatry. The research reported in this dissertation (with the exception of Chapter 6) is based on data from two longitudinal cohort studies: Adolescents at Risk of Anxiety and Depression: a Neurobiological and Epidemiological approach (ARIADNE) and Netherlands Study of Depression and Anxiety (NESDA). ARIADNE was funded by the Dutch Organisation for Scientific Research (NWO-MW). The infrastructure for the NESDA study (www.nesda.nl) is funded through the Geestkracht program of the Netherlands Organisation for Health Research and Development (ZonMw, grant number 10-000-1002) and financial contributions by participating universities and mental health care organizations (Amsterdam University Medical Centers (location VUmc), GGZ inGeest, Leiden University Medical Center, Leiden University, GGZ Rivierduinen, University Medical Center Groningen, University of Groningen, Lentis, GGZ Friesland, GGZ Drenthe, Rob Giel Onderzoekscentrum).

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

© 2020, Petra Havinga

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

Cover design:	Evelien Jagtman - www.evelienjagtman.com
Lay-out:	Marlies de Lange
Printing:	Ridderprint BV, Ridderkerk
ISBN (print)	978-94-6375-571-9 (printed version)
ISBN (digital)	978-94-6375-757-7 (digital version)

rijksuniversiteit
 groningen

Breaking the cycle?

Intergenerational transmission of depression/anxiety
 and opportunities for intervention

Proefschrift

ter verkrijging van de graad van doctor aan de
 Rijksuniversiteit Groningen
 op gezag van de
 rector magnificus prof. dr. C. Wijmenga
 en volgens besluit van het College voor Promoties.

De openbare verdediging zal plaatsvinden op

maandag 10 februari 2020 om 16.15 uur

door

Petra Jannette Havinga

geboren op 17 januari 1986
 te Groningen

Promotores

Prof. dr. R.A. Schoevers

Dr. C.A. Hartman

Copromotor

Dr. L. Boschloo

Beoordelingscommissie

Prof. dr. A.T.F. Beekman

Prof. dr. C.M.H. Hosman

Prof. dr. A.J. Oldehinkel

CONTENTS

Chapter 1	General introduction	7
PART I	Intergenerational transmission of depression/anxiety	
Chapter 2	Doomed for disorder? High incidence of mood and anxiety disorders in offspring of depressed and anxious patients: a prospective cohort study	21
Chapter 3	Paternal and maternal depression and offspring risk; additive effects or worse?	41
Chapter 4	The impact of a parental history on the nine-year onset, recurrence and persistence of depressive/anxiety disorder in adults	45
Chapter 5	Offspring of depressed/anxious patients: how do they fare after onset of a depressive/anxiety disorder?	65
PART II	Opportunities for intervention	
Chapter 6	Prevention programs for children of parents with a mood/anxiety disorder: review of existing programs, and meta-analysis of their efficacy	81
Chapter 7	Offspring of depressed and anxious patients: help-seeking after first onset of a mood and/or anxiety disorder	121
Chapter 8	General discussion	141
	Samenvatting	165
	Appendix	172
	Dankwoord	190
	About the author	194
	List of publications	195
	Research Institute SHARE	197