

# Building bridges for meaningful ehealth: aligning people, technology and practice through collaboration and knowledge sharing

Poot, C.C.

#### Citation

Poot, C. C. (2024, February 1). Building bridges for meaningful ehealth: aligning people, technology and practice through collaboration and knowledge sharing. Retrieved from https://hdl.handle.net/1887/3715833

Version: Publisher's Version

Licence agreement concerning inclusion of doctoral

License: thesis in the Institutional Repository of the University

of Leiden

Downloaded from: <a href="https://hdl.handle.net/1887/3715833">https://hdl.handle.net/1887/3715833</a>

**Note:** To cite this publication please use the final published version (if applicable).

## **Building Bridges for Meaningful eHealth**

Aligning people, technology and practice through collaboration and knowledge sharing

Charlotte C. Poot

## Building Bridges for Meaningful eHealth: Aligning people, technology and practice through collaboration and knowledge sharing

The work in this thesis was conducted at the Department of Public Health and Primary Care of the Leiden University Medical Center

ISBN: 978-94-6483-612-7

Cover design: Britt Müller, designer at Stichting Hospital Hero

**Layout:** Charlotte Poot

Printing: Ridderprint, www.ridderprint.nl

Copyright© 2024 Charlotte C. Poot, Leiden , the Netherlands. All rights reserved. No part of this publication may be reproduced, stored or transmitted in any form or by any means without the prior permission of the author or, when appropriate, from the publishers of the publications in this thesis. The copyright of articles that have been published or accepted for publication has been transferred to the respective journals.

### **Building Bridges for Meaningful eHealth**

# Aligning people, technology and practice through collaboration and knowledge sharing

#### Proefschrift

ter verkrijging van
de graad van doctor aan de Universiteit Leiden,
op gezag van rector magnificus prof.dr.ir. H. Bijl,
volgens besluit van het college voor promoties
te verdedigen op donderdag 1 februari 2024
klokke 15.00 uur

door

**Charlotte Christina Poot** 

geboren te Leiden in 1992

**Promotor:** Prof. dr. N.H. Chavannes

**Co-promotor:** Dr. E. Meijer

**Promotiecommissie:** Prof. dr. J.C. Kiefte-de Jong

Prof. dr. ir. M.S. Kleinsmann, TU Delft

Prof. dr. C.A.W. Bolman, Open Universiteit

Dr. J.F.M. van Boven, Rijksuniversiteit Groningen

#### **Contents**

Chapter 1	General Introduction	7					
PART 1 - PARTICIPATORY DESIGN							
Chapter 2	Design of the persuasive game 'Ademgenoot'	26					
Chapter 3	Designing with and for people with low health literacy	58					
Chapter 4	Development and evaluation of the Hospital Hero app	78					
PART 2 - EFFECTIVENESS ASSESSMENT							
Chapter 5	ACCEPTANCE protocol	110					
Chapter 6	Cochrane review integrated disease management for COPD	142					
PART 3 - TOOLS AND INSTRUMENTS							
Chapter 7	Dutch version of the eHealth Literacy Questionnaire	212					
Chapter 8	A knowledge creation study	250					
Chapter 9	General discussion	268					
Chapter 10	Summary	294					
Chapter 11	Nederlandse samenvatting	300					
	Dankwoord (Acknowledgements) Bibliography Curriculum Vitae	308					