CONTENTS

Chapter 1 General introduction 8

Part I – The effects of a preconception lifestyle intervention on women’s lifestyle and cardiometabolic health

Chapter 2 Effects of a preconception lifestyle intervention in obese infertile women on diet and physical activity; a secondary analysis of a randomised controlled trial 26

*PLoS ONE, 2018 Nov;7(11):e0206888*

Chapter 3 Preconception lifestyle intervention reduces long term energy intake in obese infertile women: A randomised controlled trial 52

*International Journal of Behavioral Nutrition and Physical Activity, 2019 Jan 8;16(1):3*

Chapter 4 Cardiometabolic health in relation to lifestyle and body weight changes 3-8 years earlier 80

*Nutrients, 2018 Dec 10;10(12)*

Part II – Women’s lifestyle before and during pregnancy and offspring’s cardiovascular health

Chapter 5 Preconception lifestyle and cardiovascular health in the offspring of overweight and obese mothers 106

*Submitted*

Chapter 6 Diet and physical activity in pregnancy and offspring’s cardiovascular health: a systematic review 130

*Journal of Developmental Origins of Health and Disease, 2018 Nov;13:1-13*

Chapter 7 General discussion 198

Appendices

Summary 218
Samenvatting 222
List of co-authors 226
PhD portfolio 228
Dankwoord 232
About the author 235