

Theses from the Department of Medical Epidemiology and Biostatistics 1997-2024

[compiled March 13, 2024]

1. Adami J. Non-Hodgkin's lymphoma: a search for causes. 1997.
2. Kornfeld D. Inflammatory bowel disease - risk factors for adverse outcomes, and preventive measures. 1997.
3. Blomqvist P. On the use of administrative databases in health care analyses. 1998.
4. Magnusson C. Breast cancer epidemiology. Influence of hormone-related factors. 1998.
5. Akre O. Etiological insights into the testicular cancer epidemic. 1999.
6. Enroth H. Helicobacter pylori. Bacterial diversity and human disease. 1999.
7. Lagergren J. Cancer of the esophagus and gastric cardia. Etiological aspects. 1999.
8. Weiderpass E. Some hormonal factors in the etiology of endometrial cancer. 1999.
9. Ekström AM. Factors related to the occurrence of gastric adenocarcinoma subtypes. 2000.
10. Moradi T. The role of physical activity in the prevention of breast and endometrial cancer. 2000.
11. Otterblad Olausson P. Teenage childbearing: Pregnancy outcomes and long-term consequences for the mothers. 2000.
12. Ylitalo N. Human papillomavirus and cervical carcinoma in situ: Implications for future screening. 2000.
13. Askling J. Epidemiological studies of host susceptibility in malignant lymphomas and colorectal cancer. 2001.
14. Bergfeldt K. Malignancies associated with gynecological cancer - epidemiological and etiological aspects. 2001.
15. Bergström A. Renal cell cancer: the role of physical activity and body size. 2001.
16. Norman A. Physical activity in men - population trends and relation to prostate cancer [Licentiate / Licentiatarbete]; 2001.
17. Salonen Ros H. Preeclampsia and other circulatory diseases during pregnancy - etiological aspects and impact on female offspring. 2001.
18. Terry P. Dietary prevention of gastrointestinal cancer: epidemiologic studies of fruit, vegetables and cereals. 2001.
19. Hübinette A. Exposures in utero and chronic disease. An alternative methodological approach. 2002.
20. Kaijser M. Does cancer originate in utero? Epidemiological evaluation of a hypothesis. 2002.
21. Lagerlund M. Factors affecting attendance at population-based mammography screening. 2002.
22. Stephansson O. Epidemiological studies of stillbirth and early neonatal death. 2002.
23. Eaker S. Optimization of compliance in epidemiologic research and disease prevention. 2003.
24. Fored M. Risk factors for the development of chronic renal failure. Epidemiological studies on the role of analgesic use, occupational exposures and socioeconomic background. 2003.

25. Iliadou A. Genetic epidemiological approaches to the study of risk factors for cardiovascular diseases. 2003.
26. Richiardi L. New evidence on germ-cell testicular cancer aetiology. 2003.
27. Ye W. Aspects of gastroesophageal reflux and risk for esophageal cancer. An epidemiological approach. 2003.
28. Fall K. Medical interventions and gastric cancer risk - an observational approach. 2004.
29. Gusnanto A. Regression on high-dimensional predictor space with application in chemometrics and microarray data. 2004.
30. Jansson M. Genetic studies of depressive symptoms. 2004.
31. Larfors G. Pregnancy related risk factors for breast cancer. 2004.
32. Nilsson M. Etiology of gastroesophageal reflux. 2004.
33. Wedrén S. Genetic susceptibility to breast and endometrial cancer. 2004.
34. Wirdefeldt K. Studies of genetic and environmental influence on Parkinson's disease. 2004.
35. Ejerblad E. Some lifestyle-related factors and risk of chronic renal failure. 2005.
36. Ekström Smedby K. Ultraviolet light, autoimmune disorders and the etiology of malignant lymphomas. 2005.
37. Jansson C. Occupational and socio-economic factors in the etiology of cancer of the esophagus and gastric cardia. 2005.
38. Larsson H. Genetic and environmental factors in the development of externalising symptoms from childhood to adolescence. 2005.
39. Berglund T. Recent trends in the epidemiology of gonorrhoea in Sweden. Stockholm: Swedish Institute for Infectious Disease Control and Karolinska Institutet; 2006.
40. Dannetun E. Reasons for non-vaccination. 2006.
41. Ekman A. The use of the world wide web in epidemiological research 2006.
42. George L. Spontaneous abortion: risk factors and measurement of exposures. 2006.
43. Hedelin M. Dietary and genetic factors in the etiology of prostate cancer. 2006.
44. Ihre Lundgren C. Incidence and prognosis of differentiated thyroid cancer in Sweden. 2006.
45. Johansson J. Barrett's oesophagus and metaplasia at the oesophagogastric junction. An epidemiological approach. 2006.
46. Lobacheva T. Pulmonary tuberculosis in pre-trial detentions in St.Petersburg, Russia [Licentiate thesis]. 2006.
47. Nilsson E. Genetic epidemiological studies of adverse pregnancy outcomes and the role of schizophrenia. 2006.
48. Prochazka M. The risk of second primary lung carcinoma in breast cancer patients. 2006.
49. Rosenberg L. Hormone-related factors and breast cancer - studies of risk and prognosis. 2006.
50. Svedberg P. Factors of importance for self-rated health. 2006.
51. Trolle Lagerros Y. Physical activity from the epidemiological perspective - measurement issues and health effects. 2006.

52. Tuvblad C. Genetic and environmental influences on antisocial behavior from childhood to emerging adulthood. 2006.
53. Bahmanyar S. Etiological aspects of gastroesophageal cancers - an epidemiological approach. 2007.
54. Bergvall N. Fetal programming and subsequent risks in adulthood: are the associations confounded by genetic and/or environmental factors? 2007.
55. Edgren G. Blood donors' long-term health: implications for transfusion safety. 2007.
56. Einarisdóttir K. Genetic determinants of postmenopausal breast and endometrial cancer. 2007.
57. Gunnell AS. Risk factors for cervical cancer development. 2007.
58. Hartman M. Risk and prognosis of breast cancer among women at high risk of the disease. 2007.
59. Kato K. Genetic epidemiological studies of the functional somatic syndromes. 2007.
60. Zendejdel K. Risk indicators for esophageal cancer. Some medical conditions and tobacco-related factors. 2007.
61. Buchmayer S. Infections and infectious related morbidity during pregnancy - short and long-term effects. 2008.
62. Johansson S. Very preterm birth - etiological aspects and short and long term outcomes. 2008.
63. Jonasdóttir G. Statistical methodology for testing genetic association in family-based studies 2008.
64. Leu M. Truncation and missing family links in population-based registers. . 2008.
65. Lindström LS. Population-based family studies: Genetic contribution to cancer development and survival? 2008.
66. Luo J. Epidemiological studies of the etiology of pancreatic cancer. 2008.
67. Miao Jonasson J. Epidemiological studies on complications in type 1 diabetes. 2008.
68. Tan CS. Statistical methods for biomarker discovery in proteomics. 2008.
69. Ternhag A. Short and long term effects of bacterial gastrointestinal infection. 2008.
70. Yip BH. Statistical Genetics Analysis of family data. 2008.
71. Ateanyi Agaba C. Human papillomaviruses and their association with squamous cell carcinoma of the conjunctiva Kampala and Stockholm: Makerere University and Karolinska Institutet; 2009.
72. Banura C. Human papillomavirus infections among sexually active young women in Uganda: Implications for a vaccination strategy Kampala and Stockholm: Makerere University and Karolinska Institutet; 2009.
73. Bexelius C. E-epidemiology: Adapting epidemiological methods for the 21st century 2009.
74. Fernberg P. Hematolymphoproliferative malignancies - the impact of lifestyle, organ transplantation and genetic susceptibility. 2009.
75. Forsman M. Psychopathic personality in adolescence: Genetic and environmental influences 2009.
76. Mutyaba TS. Early cervical lesions detected by visual inspection: Viral factors, management and follow-up Kampala and Stockholm: Makerere University and Karolinska Institutet; 2009.

77. Narusyte J. Adolescent adjustment problems: the role of heritability and family environment. 2009.
78. Odenbro Å. Skin cancer in relation to tobacco use and organ transplantation. 2009.
79. Orgéas CC. Endogenous and exogenous hormonal factors in female cancers: Studies of risk and prognosis 2009.
80. Sjölander A. Causal inference in epidemiological research. 2009.
81. Svensson A. Family studies of schizophrenia and pregnancy outcomes. 2009.
82. Camitz M. Computer aided infectious disease epidemiology - bridging to public health. 2010.
83. Eriksson UK. Inflammation-associated risk factors for Alzheimer's disease and dementia. 2010.
84. Fang F. Epidemiologic studies of amyotrophic lateral sclerosis. 2010.
85. Melin A-S. The risk of malignancy in women with endometriosis. 2010.
86. Nordenvall C. Aspects of the etiology and survival of lower gastrointestinal cancers. 2010.
87. Odida M. Cervical carcinoma in Kampala, Uganda and the relationship with human immunodeficiency virus and human Papillomavirus infections. Kampala and Stockholm: Makerere University and Karolinska Institutet; 2010.
88. Fondell E. Web-based studies of lifestyle factors and immune function. 2011.
89. Halthur C. Cancer and Calcium - Epidemiological studies of Cancer Incidence and Survival. 2011.
90. Hong M-G. Genomics and bioinformatics strategies in the study of aging and Alzheimer disease. 2011.
91. Li J. Genetic determinants of breast cancer risk. 2011.
92. Narasimhalu K. Health outcomes associated with cognitive impairment. 2011.
93. Talbäck M. Cancer patient survival in Sweden - theory and application. 2011.
94. Zheng Z. Molecular Epidemiologic Studies on Helicobacter pylori Infection and Stomach Cancer Risk. 2011.
95. Öberg S. Health consequences of adverse fetal growth - studies in twins. 2011.
96. Berglund A. Socioeconomic factors and the influence of comorbidity in the management and survival in lung and prostate cancer. 2012.
97. Darabi H. Genetic association and risk prediction of breast cancer from an epidemiological and biostatistical perspective. 2012.
98. Eriksson L. Mammographic density and breast cancer phenotypes. 2012.
99. Fransson M. Mathematical model development to investigate the pharmacokinetic variability of two anticancer drugs. 2012.
100. Frisell T. Violent crime: addressing causation with family-based methods. 2012.
101. Högberg L. Prenatal influences on health outcomes over the lifespan. Effects of smoking, socio-economic status and foetal growth. 2012.
102. Kasiman K. The genetic and molecular markers of ischemic stroke: risk, prognosis and treatment. 2012.
103. Levál A. Assessing infection risk evaluating prevention strategies in the era of HPV-vaccines. 2012.
104. Sandberg MEC. Contralateral breast cancer - risk and prognosis. 2012.

105. Teo SM. Statistical methods for the detection and analyses of structural variants in the human genome. 2012.
106. Walum H. Genetic and hormonal influences on affiliative behavior in humans. 2012.
107. Andersson TM-L. Quantifying cancer patient survival: extensions and applications of cure models and life expectancy estimation. 2013.
108. Chang Z. The Origins and Consequences of Attention Deficit Hyperactivity Disorder. 2013.
109. Eloranta S. Development and application of statistical methods for population-based cancer patient survival. 2013.
110. Feldman AL. If I only had a brain: Epidemiological Studies of Parkinson's disease 2013.
111. Frans E. High paternal age and risk of psychiatric disorders in offspring. 2013.
112. Gustafsson S. Adiponectin: Genetic determinants and relations with subclinical cardiovascular disease. 2013.
113. He G. Genetic predisposition and dietary factors in relation to adiponectin and insulin resistance. 2013.
114. Karlsson R. Molecular epidemiology of complex heritable disease: applications in genomics and metabolomics. 2013.
115. Ljung T. Parental characteristics and offspring internalizing behaviors: understanding the associations using quantitative genetics. 2013.
116. Merk H. Development of methods for population-based surveillance of influenza. 2013.
117. Möller E. Epidemiological studies of diet quality, body size and prostate cancer risk. 2013.
118. Nasrollahzadeh Nesheli D. Risk factors for esophageal squamous cell carcinoma. 2013.
119. Neiman M. Methods for deep examination of DNA. 2013.
120. Rahman I. Molecular and psychosocial risk factors for cardiovascular disease. 2013.
121. Sundstrom K. Human papillomavirus test and vaccination - impact on cervical cancer screening and prevention. 2013.
122. Tettamanti G. Studies on risk factors for urinary incontinence in Swedish female twins. 2013.
123. Tiikkaja S. Social mobility in relation to cardiovascular and psychiatric health. 2013.
124. Christensen S. Diet in epidemiology: assessment, validity and association with upper respiratory tract infection 2014.
125. Kuja-Halkola R. Twin and family studies on the development of cognitive and externalizing problems. 2014.
126. Kyaga S. Creativity and psychopathology. 2014.
127. Orem J. Etiological risk factors and clinical characteristics of childhood non-hodgkin lymphoma in Uganda. . Stockholm: Karolinska Institutet and Makerere University; 2014.
128. Sellgren C. On neuroinflammation in psychotic disorders. 2014.
129. Song C. Lipid-related Genes and Their Associations with Coronary Heart Disease. 2014.

130. Suo C. Statistical methods for the detection, analyses and integration of biomarkers in the human genome and transcriptome. 2014.
131. Törner A. Statistical methods for long-term follow-up of infectious disease. 2014.
132. Aly M. Prostate Cancer Diagnostics - complications and ways to reduce unnecessary biopsies 2015.
133. Bonn S. Physical activity, body mass index and prostate cancer: studies of risk, progression and mortality. 2015.
134. Colzani E. Health outcomes of women with breast cancer. 2015.
135. Elfström KM. Optimizing cervical cancer prevention through screening and HPV vaccination. 2015.
136. Ganna A. Risk prediction models for cardiovascular disease and overall mortality. 2015.
137. Huan S. Changes of stomach microenvironment and gastric cancer development. 2015.
138. Huang J. Epidemiology and etiology of pancreatic cancer. 2015.
139. Johansson V. Cerebrospinal fluid biomarkers in twins with schizophrenia and bipolar disorder. 2015.
140. Lee M. Effects of kinship and timing in familial cancer. 2015.
141. Nordström T. Predicting Prostate Cancer - on the use of biomarkers in prostate cancer diagnostics 2015.
142. Sariaslan A. Exploring the causal nature of neighborhood influences on violent criminality, substance misuse and psychiatric morbidity. 2015.
143. Szulkin R. Genetic determinants for susceptibility, progression and prognosis of prostate cancer. 2015.
144. Trinh T. Determinants of breast cancer risk; focusing on mammographic density. 2015.
145. Viktorin A. Mood disorders and consequences of pharmacological treatment. 2015.
146. Örtqvist AK. Early life origins of asthma - genetic and environmental factors in twin and kin. 2015.
147. Cederlöf M. Risks, correlates, and consequences of the extended psychosis phenotype. 2016.
148. Chen Q. What can genetically informative designs add to the understanding of ADHD? 2016.
149. Gong T. Epidemiological studies of asthma and neurodevelopmental disorders in children. 2016.
150. Herweijer E. Register-based evaluation of HPV vaccination programs. 2016.
151. Johansson ALV. Pregnancy and breast cancer: risk patterns, tumour characteristics and prognosis. 2016.
152. Liu Z. Etiology and early detection of nasopharyngeal carcinoma: an epidemiological approach. 2016.
153. Peters TL. Risk factors and amyotrophic lateral sclerosis: an epidemiologic approach. 2016.
154. Ullemar V. Transmitted and acquired determinants for childhood asthma - from genes to teens. 2016.

155. Cesta C. Stress, depression, and other psychiatric disorders: an epidemiological approach to studying the causes and consequences for in vitro fertilization outcome and polycystic ovary syndrome. 2017.
156. Chen R. Parental cancer and children's well-being: understanding the potential role of psychological stress. 2017.
157. Delcoigne B. Efficient design and analysis of extended case-control studies. 2017.
158. Halmin M. Transfusion in critically ill patients: short- and long-term outcomes. 2017.
159. Karlsson IK. Dementia and its comorbidities: genetic and epigenetic influences. 2017.
160. Liu X. Generalized survival models as a tool for medical research. 2017.
161. Lu D. The role of psychological stress in cervical and prostate carcinogenesis. 2017.
162. Mariosa D. Metabolic disorders in the etiology of amyotrophic lateral sclerosis - an epidemiological approach. 2017.
163. Sjörs C. Näringsintag och utsläpp av växthusgaser från svenska matvanor ur ett epidemiologiskt perspektiv. 2017.
164. Song J. Bipolar disorder and lithium treatment: etiologies and consequences. 2017.
165. Wang J. Effectiveness and equity of cervical cancer prevention: real-life evidence from organised programmes in Sweden. 2017.
166. Yang F. Can Parkinson's disease be prevented?: Epidemiological evidence on lifestyle factors. 2017.
167. Zetterqvist J. Statistical methods for twin and sibling designs. 2017.
168. Abrahamsson L. Statistical models of breast cancer tumour progression for mammography screening data. 2018.
169. Bokenberger K. The role of sleep and shift work in dementia and cognitive aging: an epidemiological approach. 2018.
170. Bower H. Flexible parametric models for cancer patient survival: loss in expectation of life and further developments. 2018.
171. Brikell I. ADHD, epilepsy, and related childhood psychopathology: understanding shared genetic risk, developmental trajectories, and pharmacological treatment safety. 2018.
172. Chen X. Genetic epidemiology of cardiometabolic biomarkers: Twin studies in the Genomic era. 2018.
173. Holm J. Aggressive breast cancer: Epidemiological studies addressing disease heterogeneity. 2018.
174. Lamb F. Vaccine safety, vaccine effectiveness and other determinants for successful immunisation programmes. 2018.
175. Liu B. Parkinson's disease etiology: beyond the brain and late adulthood. 2018.
176. Lundberg F. Impact of infertility and assisted reproductive technology on cancer risk. 2018.
177. Rejno G. Asthma, anxiety and depression in pregnancy: the impact on pregnancy, delivery and perinatal outcomes 2018.
178. Strand F. Determinants of interval cancer and tumor size among breast cancer screening participants. 2018.
179. Weibull CE. Survivorship in Hodgkin lymphoma: childbearing and treatment-related disease. 2018.

180. Xu H. Diet, lifestyle and chronic kidney disease. 2018.
181. Yang H. Panorama of diseases associated with breast cancer. 2018.
182. Yao S. Genetic and environmental influences on eating disorders and associated adversities and comorbidities. 2018.
183. Zhan Y. A short story of the long telomere: evidence in aging epidemiology. 2018.
184. Zhu J. Severe psychological stress associated with a cancer diagnosis. 2018.
185. Beauté J. Epidemiology, prevention and control of Legionnaires' disease in Europe. 2019.
186. Bosire R. Maternal antibody transfer in HIV-1 infected women and impact on infant health: the role of antiretroviral prophylaxis and breastfeeding practices. 2019.
187. Dahlqwist E. Method developments for the attributable fraction in causal inference. 2019.
188. Ericsson M. Socioeconomic influences on late-life health and mortality: exploring genetic and environmental interplay. 2019.
189. Ghirardi L. The comorbidity between attention-deficit/hyperactivity disorder and other neurodevelopmental disorders: aetiology, treatment and outcomes. 2019.
190. Isheden G. Statistical models of breast cancer tumour growth and spread. 2019.
191. Karlsson A. Microsimulation modelling of prostate cancer screening in Sweden. 2019.
192. Longinetti E. Amyotrophic lateral sclerosis and multiple sclerosis associated neuroinflammation: nationwide epidemiological studies on etiology, comorbidities, and treatment. 2019.
193. Palsdottir T. Risk prediction in prostate cancer diagnostics: current challenges and improvements. 2019.
194. Plym A. Breast and prostate cancer: the impact of diagnosis and treatment on sick leave and work. 2019.
195. Radkiewicz C. Sex differences in cancer risk and survival. 2019.
196. Azam S. Determinants and influence of mammographic features on breast cancer risk. 2020.
197. Ekheden I. Etiology and prognosis of gastroesophageal cancers. 2020.
198. Huang T. Dietary Habits, Commensal Microbiome, and Nasopharyngeal Carcinoma. 2020.
199. Lei J. Prevention and prognosis of cervical cancer: the interplay of human papillomavirus, vaccination and screening. 2020.
200. Malki N. Epidemiological studies on socioeconomic inequalities and cardiovascular disease: prevention, progression and prognosis. 2020.
201. Ning Z. Novel statistical methods for genome-wide association summary statistics. 2020.
202. Shen Q. Stress during cancer diagnostic workup. 2020.
203. Sieurin J. Personality, stress and risk of Parkinson's disease. 2020.
204. Ström P. Artificial intelligence for streamlining prostate cancer diagnostics. 2020.
205. Sun S. Attention-deficit/hyperactivity disorder and adverse health outcomes: from association to prevention. 2020.

206. Ugalde Morales E. Molecular epidemiology studies on risk factors for breast cancer and disease aggressiveness. 2020.
207. Wang Y. DNA methylation and aging: a longitudinal study of old Swedish twins. 2020.
208. Wiklund C. Investigations of body mass, gastrointestinal, and dietary factors influencing the emergence and maintenance of eating disorders. 2020.
209. Deng W. Improved statistical methodology for high-throughput omics data analysis. 2021.
210. Eriksson M. Risk assessment and prevention of breast cancer. 2021.
211. Jangmo A. Attention-Deficit/Hyperactivity Disorder and educational outcomes: etiology, treatment effects, and occupational outcomes. 2021.
212. Lundholm C. Causes and consequences of stress and tobacco exposure in utero on birth size, asthma and academic achievement. 2021.
213. Veličko I. Chlamydia trachomatis infection in Sweden: time trends, risk factors, and prevalence. 2021.
214. Yu J. Etiology and early detection of pancreatic cancer. 2021.
215. Zhang R. Convergent etiology among schizophrenia, eating disorders, and other medical conditions. 2021.
216. Bergman D. Microscopic colitis: epidemiology, death and associated disorders. 2022.
217. Hao S. Prostate cancer testing in Sweden: the interplay between cost and effectiveness. 2022.
218. Kang X. The gut-brain axis in Parkinson's disease: epidemiological studies on causes, underlying mechanisms and novel treatments. 2022.
219. Severi E. Epidemiology, prevention and control of hepatitis A virus infection in the European Union. 2022.
220. Strandberg R. Breast cancer natural history models and risk prediction in mammography screening cohorts. 2022.
221. Tate A. The development of psychiatric disorders and adverse behaviors: from context to prediction. 2022.
222. Wang C. Register-based studies of infertility and the use of assisted reproductive techniques: possibilities and challenges. 2022.
223. Yinxi W. Artificial intelligence for breast cancer precision pathology. 2022.
224. Zhang J. Epidemiological studies on gastroesophageal reflux disease and esophageal cancer. 2022.
225. Bai G. Epidemiological studies on frailty and its associations with mortality, dementia, and polypharmacy. 2023.
226. Brand A. Prediction-driven decision rules, RCT design and survival analysis. 2023.
227. Gotby V. Register-based studies of sex steroid hormones and psychiatric disorders. 2023.
228. Hellgren R. Beyond mammography: an evaluation of complementary modalities in breast imaging. 2023.
229. Nguyen T-D. Genetic epidemiology of depression subgroups and suicide attempts. 2023.

230. Olsson H. Personalized prostate cancer management: AI-assisted prostate pathology and improved active surveillance. 2023.
231. Skourlios N. Development and application of competing risks and multi-state models in cancer epidemiology. 2023.
232. Termorshuizen JD. Genetic and environmental factors influencing the risk and course of eating disorders. 2023.
233. Zeng E. Adjuvant hormone therapy in breast cancer patients: a special focus on treatment discontinuation. 2023.
234. Zhang L. Developmental trajectories of attention-deficit/hyperactivity disorder into adulthood and aging: multimorbidity and polypharmacy. 2023.
235. Zhu N. Mental illness in chronic kidney disease: prognosis, drug utilization, and treatment outcomes. 2023.
236. Caffrey Osvald E. Appeasing the wheezing: determinants and outcomes of respiratory disease in childhood. 2024.
237. Takami Lageborn C. On suicide and self-harm in university students and outcomes in persons with bipolar disorder and their offspring. 2024.