

PERSONAL INFORMATION

Rolf Gedeberg

WORK EXPERIENCE

- January 2018- Present **Clinical assessor**
Swedish Medical Products Agency (Sweden)
Clinical Assessor. Regulatory procedures involving epidemiological data from all disease areas. Regulatory procedures focused on pain, anaesthesia, intensive care.
- October 2014-December 2017 **Scientific Director Epidemiology and Pharmacovigilance**
Medical Products Agency (Sweden)
Quality development and quality assurance in epidemiology and pharmacovigilance.
- December 2012-September 2014 **Clinical Assessor/medical epidemiologist**
Medical Products Agency (Sweden)
Clinical assessor at the Department of Usage / Epidemiology. Medical epidemiology with focus on methodological support.
- April 2012-December 2012 **Clinical Assessor**
Medical Products Agency (Sweden)
Clinical Assessor, Efficacy and Safety 1. Regulatory affairs focused on pain, anaesthesia, and intensive care.
- April 2009-March 2012 **Researcher in Epidemiology**
Department of Surgical Sciences, Uppsala University (Sweden)
Researcher in Epidemiology at Uppsala Clinical Research Center. Consultant services externally and internally regarding epidemiological methodology and registry-based research.
- April 1993-March 2012 **Consultant intensivist (equivalent)**
Department of Anaesthesiology and Intensive Care, University Hospital, Uppsala (Sweden)
Clinical work in general, burn, neurosurgical, and cardio-thoracic intensive care. Part of the period functional responsibility for paediatric critical care within the general ICU.
- August 1993-December 1995 **Medical Director**
Department of Anaesthesiology and Intensive Care, University Hospital, Uppsala (Sweden)
Medical Director for Ambulance Helicopter Critical Care Transportation Program.
- August 1992-May 1993 **Medical Director, Ambulance Services.**
Uppsala University Hospital (Sweden)
Part-time medical supervision and training of regional ambulance organisation.
- November 1989-May 1993 **Residency**
Department of Anaesthesiology and Intensive Care, University Hospital, Uppsala (Sweden)
Anaesthesia and Intensive Care
- May 1989-October 1989 **Residency**
Department of Anaesthesiology and Intensive Care, Sundsvall Hospital. (Sweden)
Anaesthesia and Intensive Care
- August 1987-April 1989 **Internship**
Sundsvall Hospital (Sweden)

EDUCATION AND TRAINING

- November 2012-July 2013 [Certificate in pharmacoepidemiology & pharmacovigilance](#)
London School of Hygiene & Tropical Medicine (United Kingdom)
- October 2008 [Associate professor](#)
Uppsala University (Sweden)
- March 2000 [European Diploma in Intensive Care Medicine](#)
European Society of Intensive Care Medicine (by examination) ()
- May 1999 [Doctor of Medical Sciences \(PhD\)](#)
Uppsala University (Sweden)
Augmentation of Vital Organ Blood Flow during Experimental Cardiopulmonary Resuscitation. Acta Universitatis Upsaliensis 1999.
- June 1993 [Diplomate of the European Academy of Anaesthesiology](#)
European Academy of Anaesthesiology (by examination) ()
- June 2013-June 2013 [Course in Causal Inferences](#)
Health Economic Forum at Uppsala University (HEFUU) (Sweden)
Short course given by Donald Rubin, Harvard University, and Elizabeth Zell, CDC.
- December 2011-December 2011 [Course on Causal Inference](#)
Uppsala University (Sweden)
Short course given by Bianca de Stavola and Rhian Daniel, London School of Hygiene and Tropical Medicine, UK
- September 2009-September 2009 [Nonlinear Mixed Models and their Application](#)
Turku University (Finland)
- May 2008-May 2008 [Structural Equation Modeling](#)
CHESS, Stockholm University / Karolinska Institutet (Sweden)
Short course given by Dr Bianca DeStavola, London School of Hygiene and Tropical Medicine, UK
- February 2006-March 2006 [Principles for Epidemiologic Data Analysis](#)
NIHES (Netherlands)
Short course given by Professor Kenneth J. Rothman
- August 2005-August 2005 [Erasmus Summer Programme](#)
Erasmus University, Rotterdam (Netherlands)
(1) Conceptual foundation of epidemiologic study design (K. Rothman). (2) Introduction to public health (R. Bonita). (3) Regression analysis (S. Lemeshow).
- October 2009-November 2009 [Advanced logistic regression](#)
Statistics.com (United States)
- May 2009-June 2009 [Categorical data analysis 2](#)
Statistics.com (United States)
- April 2009-May 2009 [Mixed and hierarchical linear models](#)
Statistics.com (United States)
- October 2007-November 2007 [Modeling in R](#)
Statistics.com (United States)
- October 2007-November 2007 [Bootstrap methods](#)
Statistics.com (United States)
- September 2007-October 2007 [Survival analysis](#)
Statistics.com (United States)

January 1992-January 1992	Advanced clinical epidemiology Uppsala University (Sweden) A one-week course given by Professor John A. Baron (Dartmouth) in the PhD training program
-May 1993	Swedish Board Certification in Anaesthesiology and Intensive Care Swedish National Board of Health and Welfare (Sweden)
-October 1993	Flight surgeon Swedish Air Force (Sweden)
-April 1989	Swedish Medical License Swedish National Board of Health and Welfare (Sweden)
February 1986-February 1988	Extended Graduate Course in Anaesthesiology and Intensive Care Faculty of Medicine, University of Uppsala (Sweden)
January 1982-June 1987	Graduate Medical School Uppsala University (Sweden)

ADDITIONAL INFORMATION

Expertise

1. Medical epidemiology
2. Intensive care
3. Anaesthesiology

Publications

1. Van Hemelrijck M, Ventimiglia E, Robinson D, Gedeborg R, Holmberg L, Stattin P, et al. Population-based estimates of age and comorbidity specific life expectancy: a first application in Swedish males. *BMC medical informatics and decision making*. 2022;22(1):35.
2. Gedeborg R, Loeb S, Styrke J, Kiiski-Berggren R, Garmo H, Stattin P. Susceptibility to SARS-Cov-2 infection and risk for severe COVID-19 in patients with prostate cancer on androgen deprivation therapy. *International journal of cancer*. 2022;151(11):1925-34.
3. Gedeborg R, Lindhagen L, Loeb S, Styrke J, Garmo H, Stattin P. Androgen deprivation therapy, comorbidity, cancer stage and mortality from COVID-19 in men with prostate cancer. *Scandinavian journal of urology*. 2022;56(2):104-11.
4. Gedeborg R, Garmo H, Thellenberg-Karlsson C, Fallara G, Styrke J, Franck Lissbrant I, et al. Time on treatment with abiraterone in men with de novo metastatic castration sensitive prostate cancer: a drug utilization study. *Acta oncologica (Stockholm, Sweden)*. 2022;61(3):328-32.
5. Aronsson Dannewitz A, Svennblad B, Michaelsson K, Lipcsey M, Gedeborg R. Optimized diagnosis-based comorbidity measures for all-cause mortality prediction in a national population-based ICU population. *Critical care (London, England)*. 2022;26(1):306.
6. Lundstrom KJ, Garmo H, Gedeborg R, Stattin P, Styrke J. Short-term ciprofloxacin prophylaxis for prostate biopsy and risk of aortic aneurysm. Nationwide, population-based cohort study. *Scandinavian journal of urology*. 2021;55(3):221-6.
7. Ljung R, Sundstrom A, Grunewald M, Backman C, Feltelius N, Gedeborg R, et al. The profile of the COvid-19 VACcination register SAFETy study in Sweden (CoVacSafe-SE). *Ups J Med Sci*. 2021;126.
8. George G, Vikman H, Gedeborg R, Lissbrant IF, Garmo H, Styrke J, et al. Risk of cardiovascular events in men on abiraterone or enzalutamide combined with GnRH agonists: nation-wide, population-based cohort study in Sweden. *Acta oncologica (Stockholm, Sweden)*. 2021;60(4):459-65.
9. Gedeborg R, Sund M, Lambe M, Plym A, Fredriksson I, Syrja J, et al. An Aggregated Comorbidity Measure Based on History of Filled Drug Prescriptions: Development and Evaluation in Two Separate Cohorts. *Epidemiology*. 2021;32(4):607-15.
10. Gedeborg R, Styrke J, Loeb S, Garmo H, Stattin P. Androgen deprivation therapy and excess mortality in men with prostate cancer during the initial phase of the COVID-19 pandemic. *PLoS One*. 2021;16(10):e0255966.

11. Fallara G, Lissbrant IF, Styrke J, Montorsi F, Gedeberg R, Sandin F, et al. Rapid ascertainment of uptake of a new indication for abiraterone by use of three nationwide health care registries in Sweden. *Acta oncologica (Stockholm, Sweden)*. 2021;60(1):56-60.
12. Fallara G, Gedeberg R, Bill-Axelson A, Garmo H, Stattin P. A drug comorbidity index to predict mortality in men with castration resistant prostate cancer. *PLoS One*. 2021;16(7):e0255239.
13. Gedeberg R, Garmo H, Robinson D, Stattin P. Prescription-based prediction of baseline mortality risk among older men. *PLoS One*. 2020;15(10):e0241439.
14. Fallara G, Lissbrant IF, Styrke J, Montorsi F, Gedeberg R, Sandin F, et al. Rapid ascertainment of uptake of a new indication for abiraterone by use of three nationwide health care registries in Sweden. *Acta oncologica (Stockholm, Sweden)*. 2020:1-5.
15. Arthurson V, Kalkner KM, Gedeberg R. [Medicinal products in unauthorised indications]. *Lakartidningen*. 2020;117.
16. Lipcsey M, Aronsson A, Larsson A, Renlund H, Gedeberg R. Multivariable models using administrative data and biomarkers to adjust for case mix in the ICU. *Acta Anaesth Scand*. 2019;In Press.
17. Larsen R, Backstrom D, Fredrikson M, Steinvall I, Gedeberg R, Sjoberg F. Female risk-adjusted survival advantage after injuries caused by falls, traffic or assault: a nationwide 11-year study. *Scand J Trauma Resusc Emerg Med*. 2019;27(1):24.
18. Granath F, Gedeberg R, Smedje H, Feltelius N. Change in risk for narcolepsy over time and impact of definition of onset date following vaccination with AS03 adjuvanted pandemic A/H1N1 influenza vaccine (Pandemrix) during the 2009 H1N1 influenza pandemic. *Pharmacoepidemiol Drug Saf*. 2019;28(8):1045-53.
19. Ljung R, Wandel Liminga U, Gedeberg R, Mollby H, Personne M, Arlander E. Lakemedelsverket: - Alvedon 665 mg med modifierad frisattning pa vag ut fran marknaden. *Lakartidningen*. 2018;115.
20. Larsen R, Backstrom D, Fredrikson M, Steinvall I, Gedeberg R, Sjoberg F. Decreased risk adjusted 30-day mortality for hospital admitted injuries: a multi-centre longitudinal study. *Scand J Trauma Resusc Emerg Med*. 2018;26(1):24.
21. Gedeberg R, Cline C, Zethelius B, Salmonson T. Pragmatic clinical trials in the context of regulation of medicines. *Ups J Med Sci*. 2018:1-5.
22. Backstrom D, Larsen R, Steinvall I, Fredrikson M, Gedeberg R, Sjoberg F. Deaths caused by injury among people of working age (18-64) are decreasing, while those among older people (64+) are increasing. *Eur J Trauma Emerg Surg*. 2018;44(4):589-96.
23. Rosenberg P, Gedeberg R, Lignell A. Lakemedelsverket: - Fortsatt forsiktighet bor galla med doxycyklin till sma barn. *Lakartidningen*. 2017;114.
24. Gedeberg R, Svennblad B, Holm L, Sjogren H, Bardage C, Personne M, et al. Increased availability of paracetamol in Sweden and incidence of paracetamol poisoning: using laboratory data to increase validity of a population-based registry study. *Pharmacoepidemiol Drug Saf*. 2017;26(5):518-27.
25. Gedeberg R, Svennblad B, Byberg L, Michaelsson K, Thiblin I. Prediction of mortality risk in victims of violent crimes. *Forensic Sci Int*. 2017;281:92-7.
26. Feltelius N, Gedeberg R, Holm L, Zethelius B. Utility of registries for post-marketing evaluation of medicines. A survey of Swedish health care quality registries from a regulatory perspective. *Ups J Med Sci*. 2017;122(2):136-47.
27. Thiblin I, Garmo H, Garle M, Holmberg L, Byberg L, Michaelsson K, et al. Anabolic steroids and cardiovascular risk: A national population-based cohort study. *Drug Alcohol Depend*. 2015;152:87-92.
28. Snellman G, Byberg L, Lemming EW, Melhus H, Gedeberg R, Mallmin H, et al. Long-term dietary vitamin D intake and risk of fracture and osteoporosis: a longitudinal cohort study of Swedish middle-aged and elderly women. *J Clin Endocrinol Metab*. 2014;99(3):781-90.
29. Gedeberg R, Warner M, Chen LH, Gulliver P, Cryer C, Robitaille Y, et al. Internationally comparable diagnosis-specific survival probabilities for calculation of the ICD-10-based Injury Severity Score. *J Trauma Acute Care Surg*. 2014;76(2):358-65.
30. Chung SC, Gedeberg R, Nicholas O, James S, Jeppsson A, Wolfe C, et al. Acute myocardial infarction: a comparison of short-term survival in national outcome registries in Sweden and the UK. *Lancet*. 2014.
31. Blomberg H, Lundstrom E, Toss H, Gedeberg R, Johansson J. Agreement between ambulance nurses and physicians in assessing stroke patients. *Acta Neurol Scand*. 2014;129(1):49-55.

32. Snellman G, Byberg L, Lemming EW, Melhus H, Gedeberg R, Mallmin H, et al. Long-term dietary vitamin D intake and risk of fracture and osteoporosis: a longitudinal cohort study of Swedish middle-aged and elderly women. *J Clin Endocrinol Metab.* 2013;jc20131738.
33. Blomberg H, Svennblad B, Michaelsson K, Byberg L, Johansson J, Gedeberg R. Prehospital trauma life support training of ambulance caregivers and the outcomes of traffic-injury victims in Sweden. *J Am Coll Surg.* 2013;217(6):1010-9 e1-2.
34. Bernhoff K, Rudstrom H, Gedeberg R, Bjorck M. Popliteal artery injury during knee replacement: a population-based nationwide study. *Bone Joint J.* 2013;95-B(12):1645-9.
35. Johansson J, Blomberg H, Svennblad B, Wernroth L, Melhus H, Byberg L, et al. Prehospital Trauma Life Support (PHTLS) training of ambulance caregivers and impact on survival of trauma victims. *Resuscitation.* 2012;83(10):1259-64.
36. Gedeberg R, Chen LH, Thiblin I, Byberg L, Melhus H, Michaelsson K, et al. Prehospital injury deaths--strengthening the case for prevention: nationwide cohort study. *J Trauma Acute Care Surg.* 2012;72(3):765-72.
37. Byberg L, Gedeberg R, Cars T, Sundstrom J, Berglund L, Kilander L, et al. Prediction of fracture risk in men: a cohort study. *J Bone Miner Res.* 2012;27(4):797-807.
38. Brink M, Hagberg L, Larsson A, Gedeberg R. Respiratory support during the influenza A (H1N1) pandemic flu in Sweden. *Acta Anaesthesiol Scand.* 2012;56(8):976-86.
39. Warensjo E, Byberg L, Melhus H, Gedeberg R, Mallmin H, Wolk A, et al. Dietary calcium intake and risk of fracture and osteoporosis: prospective longitudinal cohort study. *BMJ.* 2011;342:d1473.
40. Sundstrom J, Byberg L, Gedeberg R, Michaelsson K, Berglund L. Useful tests of usefulness of new risk factors: tools for assessing reclassification and discrimination. *Scand J Public Health.* 2011;39(4):439-41.
41. Blomberg H, Gedeberg R, Berglund L, Karlsten R, Johansson J. Poor chest compression quality with mechanical compressions in simulated cardiopulmonary resuscitation: a randomized, cross-over manikin study. *Resuscitation.* 2011;82(10):1332-7.
42. Bergstrom MF, Byberg L, Melhus H, Michaelsson K, Gedeberg R. Extent and consequences of misclassified injury diagnoses in a national hospital discharge registry. *Inj Prev.* 2011;17(2):108-13.
43. Snellman G, Melhus H, Gedeberg R, Byberg L, Berglund L, Wernroth L, et al. Determining vitamin D status: a comparison between commercially available assays. *PLoS One.* 2010;5(7):e11555.
44. Michaelsson K, Baron JA, Snellman G, Gedeberg R, Byberg L, Sundstrom J, et al. Plasma vitamin D and mortality in older men: a community-based prospective cohort study. *Am J Clin Nutr.* 2010;92(4):841-8.
45. Melhus H, Snellman G, Gedeberg R, Byberg L, Berglund L, Mallmin H, et al. Plasma 25-hydroxyvitamin D levels and fracture risk in a community-based cohort of elderly men in Sweden. *J Clin Endocrinol Metab.* 2010;95(6):2637-45.
46. Lindahl B, Venge P, Eggers KM, Gedeberg R, Ristiniemi N, Wittfooth S, et al. Autoantibodies to cardiac troponin in acute coronary syndromes. *Clin Chim Acta.* 2010;411(21-22):1793-8.
47. Kiani A, Hellquist E, Ahlqvist K, Gedeberg R, Michaelsson K, Byberg L. Prevention of soccer-related knee injuries in teenaged girls. *Arch Intern Med.* 2010;170(1):43-9.
48. Gedeberg R, Thiblin I, Byberg L, Melhus H, Lindback J, Michaelsson K. Population density and mortality among individuals in motor vehicle crashes. *Inj Prev.* 2010;16(5):302-8.
49. Wagner H, Melhus H, Gedeberg R, Pedersen NL, Michaelsson K. Simply ask them about their balance--future fracture risk in a nationwide cohort study of twins. *Am J Epidemiol.* 2009;169(2):143-9.
50. Snellman G, Melhus H, Gedeberg R, Olofsson S, Wolk A, Pedersen NL, et al. Seasonal genetic influence on serum 25-hydroxyvitamin D levels: a twin study. *PLoS One.* 2009;4(11):e7747.
51. Sennerby U, Melhus H, Gedeberg R, Byberg L, Garmo H, Ahlbom A, et al. Cardiovascular diseases and risk of hip fracture. *JAMA.* 2009;302(15):1666-73.
52. Ostman B, Michaelsson K, Helmersson J, Byberg L, Gedeberg R, Melhus H, et al. Oxidative stress and bone mineral density in elderly men: antioxidant activity of alpha-tocopherol. *Free Radic Biol Med.* 2009;47(5):668-73.
53. Gedeberg R, Thiblin I, Byberg L, Wernroth L, Michaelsson K. The impact of clinically undiagnosed injuries on survival estimates. *Crit Care Med.* 2009;37(2):449-55.
54. Byberg L, Melhus H, Gedeberg R, Sundstrom J, Ahlbom A, Zethelius B, et al. Total mortality after changes in leisure time physical activity in 50 year old men: 35 year follow-up of population

based cohort. *BMJ*. 2009;338:b688.

55. Michaelsson K, Lind L, Frystyk J, Flyvbjerg A, Gedeborg R, Berne C, et al. Serum adiponectin in elderly men does not correlate with fracture risk. *J Clin Endocrinol Metab*. 2008;93(10):4041-7.
56. Gedeborg R, Engquist H, Berglund L, Michaelsson K. Identification of incident injuries in hospital discharge registers. *Epidemiology*. 2008;19(6):860-7.
57. Gedeborg R, Furebring M, Michaelsson K. Diagnosis-dependent misclassification of infections using administrative data variably affected incidence and mortality estimates in ICU patients. *J Clin Epidemiol*. 2007;60(2):155-62.
58. Gedeborg H, Thulin D, Haffling AC, Hakansson A. [The cooperation teacher-student is the key to a successful change]. *Lakartidningen*. 2007;104(38):2689-92.
59. Arvidson J, Kildal M, Linde T, Gedeborg R. Toxic epidermal necrolysis and hemolytic uremic syndrome after allogeneic stem-cell transplantation. *Pediatr Transplant*. 2007;11(6):689-93.
60. Gedeborg R. Minimizing trauma of feeding tube exchange in patients with bleeding diathesis. *Paediatr Anaesth*. 2005;15(7):621-2.
61. Johansson J, Hammerby R, Oldgren J, Rubertsson S, Gedeborg R. Adrenaline administration during cardiopulmonary resuscitation: poor adherence to clinical guidelines. *Acta Anaesthesiol Scand*. 2004;48(7):909-13.
62. Johansson J, Gedeborg R, Rubertsson S. Vasopressin versus continuous adrenaline during experimental cardiopulmonary resuscitation. *Resuscitation*. 2004;62(1):61-9.
63. Gedeborg R, Wiklund L. [Measuring the immeasurable. There are no objective measures for the dimensioning of intensive care]. *Lakartidningen*. 2004;101(47):3752-3.
64. Ahlsson F, Gedeborg R, Hesselager G, Tuvemo T, Enblad P. Treatment of extreme hyperglycemia monitored with intracerebral microdialysis. *Pediatr Crit Care Med*. 2004;5(1):89-92.
65. Lignell A, Siegbahn A, Stridsberg M, Pauksen K, Gedeborg R, Sjolín J. Low utilisation of unactivated protein C in a patient with meningococcal septic shock and disseminated intravascular coagulation. *Acta Anaesthesiol Scand*. 2003;47(7):897-900.
66. Johansson J, Gedeborg R, Basu S, Rubertsson S. Increased cortical cerebral blood flow by continuous infusion of adrenaline (epinephrine) during experimental cardiopulmonary resuscitation. *Resuscitation*. 2003;57(3):299-307.
67. Gedeborg R, Silander HC, Rubertsson S, Wiklund L. Cerebral ischaemia in experimental cardiopulmonary resuscitation--comparison of epinephrine and aortic occlusion. *Resuscitation*. 2001;50(3):319-29.
68. Gedeborg R, Silander HC, Ronne-Engstrom E, Rubertsson S, Wiklund L. Adverse effects of high-dose epinephrine on cerebral blood flow during experimental cardiopulmonary resuscitation. *Crit Care Med*. 2000;28(5):1423-30.
69. Nozari A, Rubertsson S, Gedeborg R, Nordgren A, Wiklund L. Maximisation of cerebral blood flow during experimental cardiopulmonary resuscitation does not ameliorate post-resuscitation hypoperfusion. *Resuscitation*. 1999;40(1):27-35.
70. Gedeborg R, Rubertsson S, Wiklund L. Improved haemodynamics and restoration of spontaneous circulation with constant aortic occlusion during experimental cardiopulmonary resuscitation. *Resuscitation*. 1999;40(3):171-80.
71. Gedeborg R, Wiklund L. Experimental model of cardiovascular post-resuscitation syndrome--no effect of platelet activating factor antagonism. *Resuscitation*. 1998;39(1-2):115-23.
72. Gedeborg R, Gerdin B. [Helicopter landing sites on hospitals in Central Sweden. Only one of 27 approved]. *Lakartidningen*. 1995;92(38):3477-9.
73. Gedeborg R, Wiklund L. The biological activity of adrenaline after injection through an intravenous cannula containing alkaline buffer. *Resuscitation*. 1989;18(1):49-58.

Projects

Memberships

1. Scientific Secretary, Swedish National Association for Anaesthesia and Intensive Care. 2010 - 2012.
2. Board member, Swedish National Association for Anaesthesia and Intensive Care. 2009 - 2010.
3. Invited member of the International Collaborative Effort (ICE) on Injury Statistics, sponsored by the Centers for Disease Control and Prevention's (CDC) National Center for Health Statistics (NCHS), USA (www.cdc.gov/nchs/advice.htm). 2007 - present.
4. Project leader "The Intensive care Registry for H1N1 Influenza in Sweden" (IRIS) at Uppsala Clinical Research Center. Nov 2009 - June 2010.

5. Chairman, Hospital Committee on Cardiopulmonary Resuscitation. University Hospital, Uppsala, Sweden. March 2001 - September 2003.
6. Member of the subcommittee for Intensive Care. Swedish National Association for Anaesthesia and Intensive Care. 1999 - 2000 and Feb 2006 - 2009.
7. Member of the subcommittee for Prehospital Care. Swedish National Association for Anaesthesia and Intensive Care. 1994 - 1998.
8. Member of the Hospital Steering Committee for Ambulance Helicopter Critical Care Transportation Programme. Uppsala University Hospital. 1995 - 1997.

Other Relevant Information