



## Curriculum Vitae

Personal information **Katarina Ekholm Selling**

### Work experience

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**January 2024 (present). Assessor/biostatistician at the Medical Products Agency, Sweden.**

**January 2022 - January 2024. Biostatistician at Sence Research AB, Sweden.**

Biostatistician in research projects, for example 'real-world evidence' studies, based on Swedish register data and electronic health records.

**April 2012 - December 2022. Associate professor at the Department of Women's and Children's Health, Uppsala University, Sweden.**

Researcher in international research projects (public health trials and observational research) related to maternal and child health, predominantly in low- and middle income countries.

**February 2017 - January 2020. Statistician at Statistikakademien AB, Sweden.**

Statistical consultant in research projects.

**September 2008 - April 2012. Biostatistician at Statisticon AB, Sweden.**

Statistical consultant in research projects and clinical trials.

### Education and training

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**June 2020 - August 2021. Teacher's degree in mathematics.**

Department of Education, Uppsala University, Sweden.

**December 2001 - October 2007. Doctor of Philosophy (PhD).**

Department of Biomedical and Clinical Sciences, Linköping University, Sweden.

**August 1997 - June 2001. Master of Arts (MA) in Statistics and Public Health.**

Department of Mathematics, Linköping University, Sweden.

### Additional information

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#### Publications

**Published peer-reviewed original research papers during 2013 - 2023.**

Lundberg J, Cars T, Lampa E, Ekholm Selling K, Leval A, Gannedahl A, Sjölin M, Björkholm C, Hellner C. Determinants and Outcomes of Suicidal Behavior Among Patients With Major Depressive Disorder. *JAMA Psychiatry*. 2023 Dec 1;80(12):1218-1225. doi: 10.1001/jamapsychiatry.2023.2833. PMID: 37585196; PMCID: PMC10433143.

Skoglund C, Sundström Poromaa I, Leksell D, Ekholm Selling K, Cars T, Giacobini M, Young S, Kopp Kallner H. Time after time: failure to identify and support females with ADHD - a Swedish population register study. *J Child Psychol Psychiatry*. 2023 Nov 28. doi: 10.1111/jcpp.13920. Epub ahead of print. PMID: 38016697.

Islam MR, Rahman SM, Selling K, Näsänen-Gilmore P, Kippler M, Kajantie E, Rahman A, Pervin J, Ekström EC. Dietary patterns and indicators of cardiometabolic risk among rural adolescents: A cross-sectional study at 15-year follow-up of the MINIMat cohort. *Front Nutr*. 2023 Jan 25;10:1058965. doi: 10.3389/fnut.2023.1058965. PMID: 36761218; PMCID: PMC9905110.

Pérez W, Ekholm Selling K, Zelaya Blandón E, Peña R, Contreras M, Persson LÅ, Sysoev O, Källestål C. Trends and factors related to adolescent pregnancies: an incidence trend and conditional inference trees analysis of northern Nicaragua demographic surveillance data. *BMC Pregnancy Childbirth*. 2021 Nov 5;21(1):749. doi: 10.1186/s12884-021-04215-4. PMID: 34740316; PMCID: PMC8569964.

Shifraw T, Selling K, Worku A, Berhane HY, Ekström EC, Berhane Y. Mid-upper arm circumference for identifying adult overweight in large-scale population-based surveys: empirical evaluation using data of the EAT Addis study, Ethiopia. *BMJ Open*. 2021 Dec 2;11(12):e049602. doi: 10.1136/bmjopen-2021-049602. PMID: 34857561; PMCID: PMC8640627.

- Källestål C, Blandón EZ, Peña R, Pérez W, Contreras M, Persson LÅ, Sysoev O, Selling KE. Assessing the Multiple Dimensions of Poverty. Data Mining Approaches to the 2004-14 Health and Demographic Surveillance System in Cuatro Santos, Nicaragua. *Front Public Health*. 2020 Jan 29;7:409. doi: 10.3389/fpubh.2019.00409. PMID: 32064243; PMCID: PMC7000462.
- Svefors P, Pervin J, Islam Khan A, Rahman A, Ekström EC, El Arifeen S, Ekholm Selling K, Persson LÅ. Stunting, recovery from stunting and puberty development in the MINIMat cohort, Bangladesh. *Acta Paediatr*. 2020 Jan;109(1):122-133. doi: 10.1111/apa.14929. Epub 2019 Aug 1. PMID: 31283046.
- Johansson EW, Lindsjö C, Weiss DJ, Nsona H, Selling KE, Lufesi N, Hildenwall H. Accessibility of basic paediatric emergency care in Malawi: analysis of a national facility census. *BMC Public Health*. 2020 Jun 24;20(1):992. doi: 10.1186/s12889-020-09043-3. PMID: 32580762; PMCID: PMC7315502.
- Källestål C, Blandón Zelaya E, Peña R, Pérez W, Contreras M, Persson LÅ, Sysoev O, Ekholm Selling K. Predicting poverty. Data mining approaches to the health and demographic surveillance system in Cuatro Santos, Nicaragua. *Int J Equity Health*. 2019 Oct 29;18(1):165. doi: 10.1186/s12939-019-1054-7. PMID: 31665013; PMCID: PMC6819397.
- Rahman A, Rahman M, Pervin J, Razzaque A, Aktar S, Ahmed JU, Selling KE, Svefors P, El Arifeen S, Persson LÅ. Time trends and sociodemographic determinants of preterm births in pregnancy cohorts in Matlab, Bangladesh, 1990-2014. *BMJ Glob Health*. 2019 Aug 2;4(4):e001462. doi: 10.1136/bmjgh-2019-001462. PMID: 31423346; PMCID: PMC6688682.
- Svefors P, Sysoev O, Ekstrom EC, Persson LA, Arifeen SE, Naved RT, Rahman A, Khan AI, Selling K. Relative importance of prenatal and postnatal determinants of stunting: data mining approaches to the MINIMat cohort, Bangladesh. *BMJ Open*. 2019 Aug 5;9(8):e025154. doi: 10.1136/bmjopen-2018-025154. PMID: 31383692; PMCID: PMC6687011.
- Sysoev O, Bartoszek K, Ekström EC, Ekholm Selling K. PSICA: Decision trees for probabilistic subgroup identification with categorical treatments. *Stat Med*. 2019 Sep 30;38(22):4436-4452. doi: 10.1002/sim.8308. Epub 2019 Jun 27. PMID: 31246349; PMCID: PMC6771862.
- Wahlberg A, Johnsdotter S, Ekholm Selling K, Essén B. Shifting perceptions of female genital cutting in a Swedish migration context. *PLoS One*. 2019 Dec 4;14(12):e0225629. doi: 10.1371/journal.pone.0225629. Erratum in: *PLoS One*. 2020 Feb 26;15(2):e0229815. PMID: 31800614; PMCID: PMC6892496.
- Arifeen SE, Ekström EC, Frongillo EA, Hamadani J, Khan AI, Naved RT, Rahman A, Raqib R, Rasmussen KM, Selling KE, Wagatsuma Y, Persson LÅ. Cohort Profile: The Maternal and Infant Nutrition Interventions in Matlab (MINIMat) cohort in Bangladesh. *Int J Epidemiol*. 2018 Dec 1;47(6):1737-1738e. doi: 10.1093/ije/dyy102. PMID: 29868907; PMCID: PMC6280939.
- Eriksson L, Nga NT, Hoa DTP, Duc DM, Bergström A, Wallin L, Målqvist M, Ewald U, Huy TQ, Thuy NT, Do TT, Lien PTL, Persson LÅ, Selling KE. Secular trend, seasonality and effects of a community-based intervention on neonatal mortality: follow-up of a cluster-randomised trial in Quang Ninh province, Vietnam. *J Epidemiol Community Health*. 2018 Sep;72(9):776-782. doi: 10.1136/jech-2017-209252. Epub 2018 May 15. PMID: 29764902; PMCID: PMC6109254.
- Gunnarsdottir J, Cnattingius S, Lundgren M, Selling K, Högberg U, Wikström AK. Prenatal exposure to preeclampsia is associated with accelerated height gain in early childhood. *PLoS One*. 2018 Feb 13;13(2):e0192514. doi: 10.1371/journal.pone.0192514. PMID: 29438394; PMCID: PMC5811001.
- Kitutu FE, Wamani H, Selling KE, Katabazi FA, Kuteesa RB, Peterson S, Kalyango JN, Mårtensson A. Can malaria rapid diagnostic tests by drug sellers under field conditions classify children 5 years old or less with or without *Plasmodium falciparum* malaria? Comparison with nested PCR analysis. *Malar J*. 2018 Oct 16;17(1):365. doi: 10.1186/s12936-018-2508-x. PMID: 30326926; PMCID: PMC6192306.
- Svefors P, Selling KE, Shaheen R, Khan AI, Persson LÅ, Lindholm L. Cost-effectiveness of prenatal food and micronutrient interventions on under-five mortality and stunting: Analysis of data from the MINIMat randomized trial, Bangladesh. *PLoS One*. 2018 Feb 15;13(2):e0191260. doi: 10.1371/journal.pone.0191260. PMID: 29447176; PMCID: PMC5814099.
- Kiwanuka Henriksson D, Fredriksson M, Waiswa P, Selling K, Swartling Peterson S. Bottleneck analysis at district level to illustrate gaps within the district health system in Uganda. *Glob Health Action*. 2017;10(1):1327256. doi: 10.1080/16549716.2017.1327256. PMID: 28581379; PMCID: PMC5496050.
- Kallioinen M, Ekström EC, Khan AI, Lindström E, Persson LÅ, Rahman A, Selling KE. Prenatal early food and multiple micronutrient supplementation trial reduced infant mortality in Bangladesh, but did not influence morbidity. *Acta Paediatr*. 2017 Dec;106(12):1979-1986. doi: 10.1111/apa.14009. Epub 2017 Aug 29. PMID: 28779492.
- Kitutu FE, Kalyango JN, Mayora C, Selling KE, Peterson S, Wamani H. Integrated community case management by drug sellers influences appropriate treatment of paediatric febrile illness in South Western Uganda: a quasi-experimental study. *Malar J*. 2017 Oct 23;16(1):425. doi: 10.1186/s12936-017-2072-9. PMID: 29061148; PMCID: PMC5654057.
- Wahlberg A, Johnsdotter S, Ekholm Selling K, Källestål C, Essén B. Factors associated with the support of pricking (female genital cutting type IV) among Somali immigrants - a cross-sectional study in Sweden. *Reprod Health*. 2017 Aug 8;14(1):92. doi: 10.1186/s12978-017-0351-0. PMID: 28789667; PMCID: PMC5549348.
- Wahlberg A, Johnsdotter S, Selling KE, Källestål C, Essén B. Baseline data from a planned RCT on attitudes to female genital cutting after migration: when are interventions justified? *BMJ Open*. 2017 Aug 11;7(8):e017506. doi: 10.1136/bmjopen-2017-017506. PMID: 28801440; PMCID: PMC5724060.
- Johansson EW, Selling KE, Nsona H, Mappin B, Gething PW, Petzold M, Peterson SS, Hildenwall H. Integrated paediatric fever management and antibiotic over-treatment in Malawi health facilities: data mining a national facility census. *Malar J*. 2016 Aug 4;15(1):396. doi: 10.1186/s12936-016-1439-7. PMID: 27488343; PMCID: PMC4972956.
- Duc DM, Bergström A, Eriksson L, Selling K, Thi Thu Ha B, Wallin L. Response process and test-retest reliability of the Context Assessment for Community Health tool in Vietnam. *Glob Health Action*. 2016 Jun 10;9:31572. doi: 10.3402/gha.v9.31572. PMID: 27293124; PMCID: PMC4904068.
- Ekström EC, Lindström E, Raqib R, El Arifeen S, Basu S, Brismar K, Selling K, Persson LÅ. Effects of prenatal micronutrient and early food supplementation on metabolic status of the offspring at 4.5 years of age. The MINIMat randomized trial in rural Bangladesh. *Int J Epidemiol*. 2016 Oct;45(5):1656-1667. doi: 10.1093/ije/dyw199. Epub 2016 Sep 30. PMID: 27694568; PMCID: PMC5100620.
- Eriksson L, Huy TQ, Duc DM, Ekholm Selling K, Hoa DP, Thuy NT, Nga NT, Persson LÅ, Wallin L. Process evaluation of a knowledge translation intervention using facilitation of local stakeholder groups to improve neonatal survival in the Quang Ninh province, Vietnam. *Trials*. 2016 Jan 13;17:23. doi: 10.1186/s13063-015-1141-z. PMID: 26762125; PMCID: PMC4711002.
- Svefors P, Rahman A, Ekström EC, Khan AI, Lindström E, Persson LÅ, Ekholm Selling K. Stunted at 10 Years. Linear Growth Trajectories and Stunting from Birth to Pre-Adolescence in a Rural Bangladeshi Cohort. *PLoS One*. 2016 Mar

2;11(3):e0149700. doi: 10.1371/journal.pone.0149700. PMID: 26934484; PMCID: PMC4775024.

Bergström A, Skeen S, Duc DM, Blandon EZ, Estabrooks C, Gustavsson P, Hoa DT, Källestål C, Målqvist M, Nga NT, Persson LÅ, Pervin J, Peterson S, Rahman A, Selling K, Squires JE, Tomlinson M, Waiswa P, Wallin L. Health system context and implementation of evidence-based practices-development and validation of the Context Assessment for Community Health (COACH) tool for low- and middle-income settings. *Implement Sci.* 2015 Aug 15;10:120. doi: 10.1186/s13012-015-0305-2. PMID: 26276443; PMCID: PMC4537553.

Hesselman S, Högberg U, Ekholm-Selling K, Råssjö EB, Jonsson M. The risk of uterine rupture is not increased with single- compared with double-layer closure: a Swedish cohort study. *BJOG.* 2015 Oct;122(11):1535-41. doi: 10.1111/1471-0528.13015. Epub 2014 Aug 4. PMID: 25088680.

Johansson EW, Gething PW, Hildenwall H, Mappin B, Petzold M, Peterson SS, Selling KE. Effect of diagnostic testing on medicines used by febrile children less than five years in 12 malaria-endemic African countries: a mixed-methods study. *Malar J.* 2015 May 10;14:194. doi: 10.1186/s12936-015-0709-0. PMID: 25957881; PMCID: PMC4432948.

Musafili A, Essén B, Baribwira C, Binagwaho A, Persson LÅ, Selling KE. Trends and social differentials in child mortality in Rwanda 1990-2010: results from three demographic and health surveys. *J Epidemiol Community Health.* 2015 Sep;69(9):834-40. doi: 10.1136/jech-2014-204657. Epub 2015 Apr 13. PMID: 25870163; PMCID: PMC4552928.

Musafili A, Essén B, Baribwira C, Selling KE, Persson LÅ. Social equity in perinatal survival: a case-control study at hospitals in Kigali, Rwanda. *Acta Paediatr.* 2015 Dec;104(12):1233-40. doi: 10.1111/apa.12951. Epub 2015 Mar 27. PMID: 25640733; PMCID: PMC6680362.

Målqvist M, Hoa DP, Persson LÅ, Ekholm Selling K. Effect of Facilitation of Local Stakeholder Groups on Equity in Neonatal Survival; Results from the NeoKIP Trial in Northern Vietnam. *PLoS One.* 2015 Dec 29;10(12):e0145510. doi: 10.1371/journal.pone.0145510. PMID: 26713871; PMCID: PMC4694650.

Johansson EW, Gething PW, Hildenwall H, Mappin B, Petzold M, Peterson SS, Selling KE. Diagnostic testing of pediatric fevers: meta-analysis of 13 national surveys assessing influences of malaria endemicity and source of care on test uptake for febrile children under five years. *PLoS One.* 2014 Apr 18;9(4):e95483. doi: 10.1371/journal.pone.0095483. PMID: 24748201; PMCID: PMC3991688.

Målqvist M, Yuan B, Trygg N, Selling K, Thomsen S. Targeted interventions for improved equity in maternal and child health in low- and middle-income settings: a systematic review and meta-analysis. *PLoS One.* 2013 Jun 20;8(6):e66453. doi: 10.1371/journal.pone.0066453. PMID: 23840474; PMCID: PMC3688766.

Persson LÅ, Nga NT, Målqvist M, Thi Phuong Hoa D, Eriksson L, Wallin L, Selling K, Huy TQ, Duc DM, Tiep TV, Thi Thu Thuy V, Ewald U. Effect of Facilitation of Local Maternal-and-Newborn Stakeholder Groups on Neonatal Mortality: Cluster-Randomized Controlled Trial. *PLoS Med.* 2013;10(5):e1001445. doi: 10.1371/journal.pmed.1001445. Epub 2013 May 14. PMID: 23690755; PMCID: PMC3653802.

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