

Curriculum vitae

Anna Grimby-Ekman, 671228-5003

Sahlgrenska Academy

Gothenburg University

Box 463, 405 30 Göteborg

Phone: +46(31)786 31 23

e-mail: anna.ekman@gu.se

Academic degrees:

- 2010-12-01 PhD in Medicine. PhD studies at Occupational and Environmental Medicine Sahlgrenska Academy, Gothenburg University, Sweden
- 1997-06-17 Degree of Licentiate in Statistics. PhD studies at Department of Statistics, School of Economics, Gothenburg University, Sweden and PhD studies at Department of Statistics, University of Madison-Wisconsin, USA
- 1990-04-16 BSc in Mathematical Statistics. Bachelor studies at Department of Mathematical Statistics, Gothenburg University, Sweden

Associate Professor in Epidemiology at Gothenburg University since 3rd of March 2016

Thesis work: Grimby-Ekman, A. (2010). Epidemiological aspects of musculoskeletal pain in the upper body. Analyzing common and recurrent binary outcomes. <http://hdl.handle.net/2077/23888>. Main supervisor Mats Hagberg.

Research report (Degree of Licentiate in Statistics): Ekman A. (1997). Sequential probability ratio tests when using play-the-winner allocation. Research report 1997:1. ISSN 0349-8034. Main supervisor Sture Holm.

Parental leave, major periods (4 children born 1993, 1996, 1997, 2002) and sick-leave (due to sick child):

2000 Dec – 2002 June: 20 %	2002 July – 2004 Aug: 100 %
2004 Sept – 2006 Sept: 40-50 %	2006 Oct – 2009 Dec: 20-30 %
2016 Feb – 2016 June: 50%	2016 Oct – 2017 Jan: 50%
2017 Feb – 2017 Oct: 25%	

Professional positions:

- 2018- Research leader for the group *Work ability and Ergonomics*, Sahlgrenska Academy, Gothenburg University
- 2017- Researcher and statistician at R&D Primary care, Gothenburg
- 2015- Senior lecturer at Health Metrics, Department of Medicine, Gothenburg University, Sweden
- 2013-2016 Researcher, Pain and rehabilitation Medicine, Department of Medical and Health Sciences, Linköping University, Sweden
- 2013-2015 Associate senior lecturer at Health Metrics, Department of Medicine, Gothenburg university, Sweden

- 2012-2015 Postdoctoral fellowship in Professor Björn Gerdle's and Associate Professor Britt Larsson's research group at Pain and rehabilitation Medicine, Department of Medical and Health Sciences, Linköping University, Sweden
- 2012-2015 Postdoctoral fellowship in Mats Hagberg's research group at Occupational and Environmental Medicine, Department of Medicine, Gothenburg University, Sweden
- 2018 Good Clinical Practice, one-day-course arranged by Gothia Forum.
- 1999-2013 Statistician and researcher at Occupational and Environmental Medicine, Sahlgrenska University Hospital, Sweden
- 1995-1998 Teaching statistics for bachelor-students (Vårdhögskolan, Göteborg), and consultant working with research projects mainly at: Astra-Tech in Gothenburg, Sweden and Department of rehabilitation medicine, Gothenburg university

Member of the council for the Institute of Medicine at the Sahlgrenska Academy

2018 July 1st – 2021 June 30th

Chairman for Swedish Society for Medical Statistics, FMS (286 members 2013)

2012 Mars 21st – 2014 Mars 20th

Editorial Board Member

June 2016 – November 2016: *JSM Physical Medicine and Rehabilitation*

November 2016 – October 2018: *BMC Musculoskeletal Disorders*

Reviewer for:

Journal of Rehabilitation Medicine, about 20 reviews.

Occasional reviews: BMC Musculoskeletal Disorder, Euro J of Epidemiology, Journal of Pain Research, Pain Medicine, BMJ Open, BMC Public Health

Invited speaker at international conferences and meetings

2015 August 26-28, SWE-RAYS Workshop 2015: INTERDISCIPLINARY RESEARCH AND INNOVATION IN RADIATION SCIENCES, Gothenburg, Sweden

Tutoring and mentoring experience as main supervisor

PhD students

Emina Hadzibajramovic, PhD 2015, Gothenburg University, Sweden. Thesis: "Aspects of validity in stress research. Measurement properties and the application of self-reported stress questionnaires." *Now working at the Institute of Stress Medicine, Gothenburg, Sweden, and affiliated with the research group at Health Metrics, Gothenburg University, Sweden.*

Maria Boström, PhD 2016, Gothenburg University, Sweden. "Work ability and productivity among young adults. With aspects to individual, school, work and leisure time factors" *Nominated for the award "PhD thesis of the year at Sahlgrenska Academy". After dissertation working as Post Doc at Social medicine, Sahlgrenska Academy.*

Olga Susoliakova, PhD 2014 at Charles University, Prague, Czech Republic. Visiting PhD student 2013 at Gothenburg University, Sweden.

ERASMUS intern Sylvain Hulot, Master of Science in Epidemiology 2017, University of Bordeaux. Visiting Healthmetrics June-August 2018, working in the research group *Pain and musculoskeletal disorders*.

Master students

2021: Dimitris Samaras

2020: Josefine Lind, Maja Lindell, Daniel Ternesten, Jonas Madsén, Ino Alagic

2019: Ebba Ranås, Amanda Dahlrot

2018: Björn Johansson, Staffan Björndell, Dan Christensson,

2014: Kristoffer Struck, Marcus Vestling

2013: Caroline Flärdh, Pauline Stens

2011: Sara Johansson

Examination board for dissertation

2018 Michele Santacatterina Unit of Biostatistics, Karolinska Institute

2017 Benedicte Delcoigne Medical Epidemiology and Biostatistics, Karolinska Institute

Opponent at Ph D half-time examinations

2017 Solveig Lövestad Dept. Medicine, Gothenburg University

2014 Hanna Weimann Dept. Medicine, Lund University

2013 Magnus Åkerström Dept. Medicine, Gothenburg University

Daniel Olsson Dept. Medicine, Gothenburg University

Grants as PI

2020 **The Royal Society of Arts and Sciences in Gothenburg (KVVS) scholarship:** To develop and evaluate prediction models for planning health care resources, 50 000 kr.

2018-2019 **Vinnova (Sweden's Innovation Agency) 2018-04242, Planning grant:** Evidence-based person-centered care for all patients with chronic pain in primary care year 2030. 765 112 kr.

2018 **The Royal Society of Arts and Sciences in Gothenburg (KVVS) 2018-145, scholarship:** Are Endocannabinoid levels affected differently after exercise - a comparison between subjects with chronic neck pain and healthy controls. 30 000 kr.

2017-2018 **AFA 160277, Project grant:** Identifying facilitating and inhibitory factors for successful outcome of multimodal pain programs – Patient perspective, economic perspective and comparison of treatment components. 1 160 000 kr.

2012-2014 **FAS 2011-0297, Postdoc grant:** Possible causal explanations for neck pain, generalized pain, load sensitivity and work ability. 1 600 000 kr.

2012-2014 **FAS 2011-0356, Project grant:** Load Sensitivity – do people with chronic pain have other patterns of pain thresholds and perceived pain after a physical load compared to healthy controls? 2 780 000 kr. (Not retrieve, as not allowed to retrieve both FAS-grants, Dnr 2011-0297 and Dnr 2011-0356.)

Grants as co-applicant

2019-2020 **FoU-rådet i Göteborg och södra Bohuslän.** Kartläggning av könsskillnader inom multimodal smärtrehabilitering (MMR) vad gäller selektion till behandling och behandlingsresultat.

2018-2019 **FoU Project 240491** Does measuring handgrip strength affect level of physical activity for patients with diabetes type 2? A randomized controlled trial.

2017-2019 **VGFOUSA-805611** Saline injections for Prophylactic Treatment of Chronic Migraine.

2017 **ALFvgr-728471.** Stefan Bergman, Karin Asztély, Anna Grimby Ekman, Emma Haglund, Nya perspektiv på långvarig smärta - sårbarhet och samsjuklighet

- 2018-2020 **FoU Project 242301** New Perspective on Chronic Pain - Vulnerability and Comorbidity.
- 2016-2018 **VR 2015-02511** Person centered prehabilitation physical therapy for persons who are to undergo surgery for severe low back pain – a randomized controlled trial
- 2011-2013 **ALFGBG-147641** Develop, validate and evaluate new methods for sustainable work ability and productivity with exposure at work and at leisure with special focus on musculoskeletal and mental health.

Peer review Publications, published or accepted (**IF = impact factor at publication**)

2021

1. Eriksson, S., Waldenberg, C., Torén, L., Grimby-Ekman, A., Brisby, H., Hebelka, H., Lagerstrand, K. Texture analysis of magnetic resonance images enables phenotyping of potentially painful annular fissures. SPINE. 2021
2. Grimby-Ekman, A., Kim, M., Stankovic, N., Mannheimer, C. Multidimensional health changes after a multimodal pain rehabilitation program: a registry-based study. PAIN Reports. 2021. *Accepted*

2020

3. Larsson, M. E. H., Nordeman, L., Holmgren, K., Grimby-Ekman, A., Hensing, G., Björkelund, C., Bergman, S., Ekhammar, A., Dottori, M., Bernhardsson, S. Prevention of sickness absence through early identification and rehabilitation of at-risk patients with musculoskeletal pain (PREVSAM): a randomised controlled trial protocol. BMC Musculoskeletal Disorders 2020. 21(1): 790.
4. Grimby-Ekman, A., Ahlstrand, C., Gerdle, B., Larsson, B., Sandén, H. "Pain intensity and pressure pain thresholds after a light dynamic physical load in patients with chronic neck-shoulder pain." BMC Musculoskelet Disord 2020, 21(1): 266.

2019

5. Lindegård, A., Wastensson, G., Hadzibajramovic, E., Grimby-Ekman, A. Longitudinal associations between cardiorespiratory fitness and stress-related exhaustion, depression, anxiety and sleep disturbances.(PUBH-D-19-00841R2) BMC Public Health 2019. 19(1): 1726.
6. Stensson, N, Grimby-Ekman A. "Altered relationship between anandamide and glutamate in circulation after 30 minutes of arm cycling: A comparison of chronic pain subject with healthy controls." Molecular Pain 2019, Mol Pain 15: 1744806919898360.
7. Hadzibajramovic, E., Ahlborg, Jr. G, Grimby-Ekman A. Concurrent and lagged effects of psychosocial job stressors on symptoms of burnout. Int Arch Occup Environ Health 2019, e-publication 20 May.
8. Larsson B, Dragioti E, Grimby-Ekman A. Gerdle B, Björk J. Predictors of pain intensity, spreading and sensitivity of chronic pain in a general population - a two-year follow-up study from the Swepain. cohort. ." J Rehabil Med 2019, 51(3): 183-192.
9. Kemani, M., Grimby-Ekman, A., Lundgren, J., Sullivan, M., Lundberg, M. "Factor structure and internal consistency of a Swedish version of the Pain Catastrophizing Scale." Acta Anaesthesiol Scand. Acta Anaesthesiol Scand 2019, 63(2): 259-266.

2018

10. Grimby-Ekman, A., Åberg, M., Torén, K., Brisman, J., Hagberg, M. and Kim, J.-L. "Pain could negatively affect school grades - Swedish middle school students with low school grades most affected." PLOS ONE 2018; 13(12): e0208435. **IF 4**

2017

11. Bjork, J., Stromberg, U., Rosengren, A., Toren, K., Fagerberg, B., Grimby-Ekman, A., Bergstrom, G. M. L. "Predicting participation in the population-based Swedish cardiopulmonary bio-image study (SCAPIS) using register data." Scand J Public Health 2017; 45(17_suppl): 45-49. **IF 2**
12. Åkerström, M.-L., Grimby-Ekman A., Lundberg M. "Work ability is influenced by kinesiophobia among patients with persistent pain." Physiotherapy Theory and Practice 2017: 1-10.
13. Jöud A, Björk J, Gerdle B, Grimby-Ekman A., Larsson B. The association between pain characteristics, pain catastrophizing and health care use - baseline results from the SWEPAIN cohort. Scandinavian J of Pain 2017, 16: 122-128.
14. Gustavsson E, Thomée S, Grimby-Ekman A., Hagberg M. Texting on mobile phones and musculoskeletal disorders in young adults: a five-year cohort study, Accepted June 2016 in Applied Ergonomics 2017, 58: 208-214 **IF 2**
15. Larsson B, Gerdle, B, Bjork J, Grimby-Ekman A. "Pain Sensitivity and its Relation to Spreading on the body, Intensity, Frequency, and Duration of Pain: A Cross-sectional Population-based Study (SwePain)." Clin J Pain 2017. **IF 3**
16. Grimby-Ekman A., Ghafouri B, Sandén H, Larsson B, Gerdle B. Different DHEA-S levels and response patterns in individuals with chronic neck pain, compared to a pain free group – a pilot study. Pain Medicine, 2017. doi: 10.1093/pm/pnw162 **IF 2**

2016

17. Boström M, Sluiter J K, Hagberg M, Grimby-Ekman A. "Opportunities for recovery at work and excellent work ability - a cross-sectional population study among young workers." BMC Public Health 2016 16(1): 1-11.
18. Boström M, Holmgren K, Sluiter JK, Hagberg M, Grimby-Ekman A. Experiences of work ability in young workers: an exploratory interview study. Int Arch Occup Environ Health. 2016;89(4):629-40. **IF 3**
19. Feldthusen C, Grimby-Ekman A., Forsblad-d'Elia H, Jacobsson L, Mannerkorpi K. "Explanatory factors and predictors of fatigue in persons with rheumatoid arthritis: A longitudinal study." J Rehabil Med 2016. **IF 2**
20. Feldthusen C, Grimby-Ekman A., Forsblad-d'Elia H, Jacobsson L, Mannerkorpi K. "Seasonal variations in fatigue in persons with rheumatoid arthritis: A longitudinal study." BMC Musculoskeletal Disorders 2016. **IF 2**

2015

21. Halaweh H, Willen C, Grimby-Ekman A., Svantesson U. "Physical Activity and Health-Related Quality of Life among Community Dwelling Elderly." Journal of Clinical Medicine Research 2015.
22. Hadzibajramovic E, Ahlborg jr G, Lundgren-Nilsson Å, Grimby-Ekman A. "Affective stress responses during leisure time: Validity evaluation of a modified version of the Stress-Energy Questionnaire.", Scand J Public Health 2015. **IF 2**

23. Halaweh H, Willen C, Grimby-Ekman A, Svantesson U. "Physical Functioning and Fall-Related Efficacy among Community Dwelling Elderly." *European Journal of Physiotherapy* 2015.
24. Thomée S, Hagberg M, Grimby-Ekman A., Leisure time computer use and overweight development in young adults - a prospective study. *BMC Public Health* 2015, **15**:839. **IF 2**
25. Grimby-Ekman, A., Gerdle B, Bjork J, Larsson B. "Comorbidities, intensity, frequency and duration of pain, daily functioning and health care seeking in local, regional, and widespread pain- a descriptive population-based survey (SwePain)." *BMC Musculoskelet Disord* 2015. **IF 2**
26. Hadzibajramovic E, Ahlberg jr G, Grimby-Ekman A*, Lundgren-Nilsson Å*. "Internal Construct Validity of the Stress-Energy Questionnaire in a working population. *Shared last authorship. *BMC Public Health*." *BMC Public Health* 2015, **15**:180. **IF 2**
- 2014**
27. Susoliakova O, Smejkalova J, Bicikova M, Potuznikova D, Hodacova L, Grimby-Ekman A, Fiala Z. "Salivary cortisol in two professions: daily cortisol profiles in school teachers and firefighters". *Neuro Endocrinology Letters*. 2014, Vol. 35 No.4.
28. Persson C, Danielsson A, Sunnerhagen K, Grimby-Ekman A, Hansson P O. "Timed Up & Go as a Measure for Longitudinal Change in Mobility after Stroke - Postural Stroke Study in Gothenburg (POSTGOT)". *Journal of NeuroEngineering and Rehabilitation*. 2014, Vol 11(1). **IF 3**
- 2013**
29. Persson C, Sunnerhagen K, Danielsson A, Ekman-Grimby A, Hansson P O. "Responsiveness of a modified version of the Postural Assessment Scale for Stroke Patients and longitudinal change in postural control after stroke - Postural Stroke Study in Gothenburg (POSTGOT) ". *Journal of NeuroEngineering and Rehabilitation*. 2013, 10:8. **IF 3**
- 2012**
30. Grimby-Ekman A, Hagberg M. "Simple neck pain questions used in surveys, evaluated in relation to health outcomes: A cohort study". *BMC Research Notes*. 2012, 5:587. **IF 1**
- 2011**
31. Lundberg M, Grimby-Ekman A, Verbunt J, Simmonds M. "Pain-Related Fear: A Critical Review of the Related Measures." *Pain Research and Treatment* 2011 vol. 2011, Article ID 494196, 26 pages, 2011. doi:10.1155/2011/494196.
- 2010**
32. Ahlstrom L, Grimby-Ekman A, Hagberg M, Dellve L. "The work ability index and the single-item question: associations with sick leave, symptoms, and health - a prospective study of women on long-term sick leave" *Scand J Work Environ Health* 2010, 36:5:404-12. **IF 4**
33. Keen C, Olin AC, Eriksson S, Ekman A, Lindblad A, Basu S, Beermann C, Strandvik B. "Supplementation with Fatty acids influences the airway nitric oxide and inflammatory markers in patients with cystic fibrosis." *J Pediatr Gastroenterol Nutr* 2010 **50**(5): 537-44.
34. Love J, Grimby-Ekman A, Eklof M, Dellve L, Hagberg M. "Pushing oneself too hard": Performance-based self-esteem as a predictor of sickness presenteeism among young adult women and men -a cohort study." *J Occup Environ Med* 2010, 52:6:603-9. **IF 2**
- 2009**

35. Grimby-Ekman A., Andersson E. M., Hagberg M. "Analyzing musculoskeletal neck pain, measured as present pain and periods of pain, with three different regression models: a cohort study." BMC Musculoskeletal Disorders 2009, 10:p. 73-83 **Highly accessed**. **IF 2**

2006

36. Hagberg M, Burström L, Ekman A, Vilhelmsson, R. "The association between whole body vibration exposure and musculoskeletal disorders in the Swedish work force is confounded by lifting and posture." Journal of Sound and Vibration 2006, 298: p. 492-8.

2005

37. Sanden H., Edblom M., Ekman A, Tenenbaum A, Wallin B. G, Hagberg M. "Normal nerve conduction velocity and vibrotactile perception thresholds in computer users." Int Arch Occup Environ Health 2005, 78(3): 239-42. **IF 3**

2003

38. Wahlstrom J., Lindegard A., Ahlberg G., Jr., Ekman A., Hagberg M. "Perceived muscular tension, emotional stress, psychological demands and physical load during VDU work." Int Arch Occup Environ Health 2003, 76(8): 584-90.

2001

39. Olin A. C., Aldenbratt A, Ekman A, Ljungkvist G, Jungersten L, Alving K, Torén K. "Increased nitric oxide in exhaled air after intake of a nitrate-rich meal." Respir Med 2001, 95(2): 153-8. **IF 3**

40. Olin A. C., Stenfors N., Toren K., Blomberg A., Helleday R., Ledin M. C., Ljungkvist G., Ekman A., Sandstrom T. "Nitric oxide (NO) in exhaled air after experimental ozone exposure in humans." Respir Med 2001, 95(6): 491-5. **IF 3**

2000

41. Ekman A, Hagberg M, Andersson A, Wigaeus Tornqvist E.. "Gender differences in musculoskeletal health of computer and mouse users in the Swedish work force." Occupational Medicine 2000, 50: 608-13. **IF 3**

Other scientific publications

1. Lindegård Andersson A, Ekman A. Reply to the short communication paper by T.P. Hutchinson regarding "Concordance between VDU-users' ratings of comfort and perceived exertion with experts' observations of workplace layout and working postures". Applied Ergonomics 2005, 36, 319-325
2. Ekman A. Comments on modeling longitudinal ordinal data. Electronic letter to Occup Environ Med, 13 December 2005. <http://oem.bmjournals.com/cgi/eletters/58/5/345#272>.

Swedish Reports

1. Stefan A., Thomée S., Ekman A., Eklöf M., Andrén M., Hagberg M. (2013). Validitets- och reliabilitetstestning av kortversioner av Krav, Kontroll, Socialt Stöd och Effort-Reward Imbalance. Rapport från Arbets- och miljömedicin, Göteborg, Arbets- och miljömedicin: 148.
2. Mats Eklöf, Gunnar Ahlberg jr, Christina Grill, Anna Grimby-Ekman, Eva-Carin Lindgren, Ewa Wikström. (2011). DIALOGTRÄNING PÅ VÅRDARBETSPLATSER. En studie av interventionseffekter och processer med användning av kvantitativ och kvalitativ metodik. Institutet för stressmedicin, Göteborg, ISM-RAPPPORT 11
3. Ahlstrand A., Dellve L., Ekman A., Jonsson A., Åhlström L., Hagberg M. (2009). Reliabilitetstestning av funktionstest för arbetet i hemmet (Cutley wiping performance test). Rapport från Arbets- och miljömedicin. Göteborg, Arbets- och miljömedicin: 124.

4. Ekman A., Ahlstrand C., Andrén M., Boström M., Dellve L., Eklöf M., Eriksson J., Gustafsson E., Hagberg J., Lindegård A., Thomée S., Åhlström L., Hagberg M. (2008). UngVuxen - Basenkät. Rapport från Arbets- och miljömedicin. Göteborg, Arbets- och miljömedicin: 236.
5. Eriksson J., Ahlberg G., Ahlstrand C., Boström M., Dellve L., Eklöf M., Ekman A., Gustafsson E., Lindegård A., Thomée S., Vilhelmsson R., Hagberg M. (2005). H24 kohort - 2005. Rapport från Arbets- och miljömedicin. Göteborg, Arbets- och miljömedicin: 50.
6. Hagberg M., Andrén AB., Edblom M., Ekman A., Hållander AK., Jacobsson H., Karlberg K., Karlsson E., Sjödin B., Tenenbaum A., Wallin G. (2002). Nervskador hos datoranvändare. Rapport från Arbets- och miljömedicin. Göteborg, Arbets- och miljömedicin: 93.
7. Ekman A., Hagberg M, Andersson A, Wigaeus Tornqvist E. (2001). Datorarbete i Sveriges sysselsatta befolkning - Utveckling samt samband mellan bundna arbeten, stressiga arbeten, arbeten med dålig arbetsledning och hälsa. Göteborg, Yrkes- och miljömedicin. Rapport från Yrkes- och miljömedicin nr 86.
8. Dellve L., Allebeck P., Bengtsson B., Ekman A., Hagberg M., Hansson T., Herloff B., Karlberg K., Lagerström M., Lindén A. (2000). Arbetsskadeincidens i äldreomsorgen. En studie av vårdbiträden och undersköterskor 1994-1998 inom privat och kommunal omsorg om äldre och funktionshindrade. Rapport från Yrkes- och miljömedicin nr 79.

Conference Presentations

1. Grimby-Ekman A., Hagberg M., Gerdle B., Larsson B., Ahlstrand C., Sandén H. Pain intensity and pain thresholds after a dynamic physical load, in persons with chronic neck pain. 9th International Conference on the Prevention of Work-related Musculoskeletal Disorders, Toronto, Canada, 20-23 June 2016.
2. Grimby-Ekman A., Gerdle B, Björk J, Larsson B. Comorbidities, Pain aspects and Implications of Pain in Local, Regional, and Widespread Pain – a Descriptive Population-based Survey (SwePain). 9th congress of the European Federation of IASP® Chapters (EFIC®). Wien, Österrike, September 1 - 5, 2015.
3. Grimby-Ekman A., Sandén H, Wentz K, Hagberg M, Larsson B, Gerdle B. Studien om belastningskänslighet – Preliminära resultat. Svenskt Smärtforum, Uppsala, 23-24 October, 2014.
4. Åkerström M-L, Grimby-Ekman A., Lundberg M. Work ability and kinesiophobia among patients with persistent pain. 15th World Congress on Pain. Buenos Aires, Argentina, 7-11 October, 2014.
5. Johansson S, Noor A, Grimby-Ekman A. Can we trust estimates of risk differences and their confidence intervals, if based on logistic regression? 45nd Annual Meeting of the Society for Epidemiologic Research. Minneapolis, USA. June 27-30, 2012.
6. Ahlstrand C, Grimby-Ekman A., Elam M, Hagberg M. The influence of applied force on the thermal perception thresholds of the index finger. 14th World Congress on Pain. Milano, Italy. August 27-31, 2012.
7. Grimby-Ekman A., Andersson EM, Hagberg M. Epidemiological aspects of neck pain. Analyzing common and recurrent binary outcomes. 7th congress of the European Federation of IASP® Chapters (EFIC®). Hamburg, Tyskland, September 21 - 24, 2011.

8. Grimby-Ekman A, Andersson EM, Hagberg M. Neck pain and perceived stress. Analyzing repeated binary outcomes from a cohort study. EPICOH (Epidemiology in Occupational Health) i Oxford 7-9 september 2011
9. Grimby-Ekman A, Hagberg M. Validity of simple neck pain assessments in relation to aspects of health-related quality-of-life and decreased general performance. EPICOH (Epidemiology in Occupational Health) i Oxford 7-9 september 2011.
10. Grimby-Ekman A, Andersson EM, Hagberg M. To present results from a logistic regression, without mentioning the Odds Ratio. 432-S. 43rd Annual Meeting of the Society for Epidemiologic Research "Epidemiology in an Interconnected World". June 23-26. SER 2010 Seattle, USA.
11. Grimby-Ekman A, Andersson EM, Hagberg M. Analyzing Musculoskeletal Neck Pain, Measured As Present Pain And Periods Of Pain, With Three Different Regression Models: A Cohort Study. 432-S. 42nd Annual Meeting of the Society for Epidemiologic Research "Epidemiologists as Vectors for Transmitting Health". June 23-26. SER 2009 Los Angeles, USA.
12. Ekman A, Andersson EM, Hagberg M. Muskuloskeletal värk i nacke och övre extremiteter - Värk för närvarande, att utveckla värk och upprepade perioder med värk. Svenska Läkaresällskapets Riksstämman 2008 Göteborg, Sweden.
13. Ekman A, Andersson EM, Hagberg M. Analyzing musculoskeletal outcome measures, as present pain, developing pain and recurrent pain, with a combination of regression models. In: J Rehabil Med Suppl 46, p.88-89. 1st Asian Oceania conference of physical and rehabilitation medicine. AOCPRM 2008 Nanjing, China.
14. Ekman A, Hagberg M. Computer users – Not a homogenous occupational group. In B. o. Abstracts, eds. 8th International Conference on Work with Computing Systems. WWCS 2007: Stockholm: p135.
15. Ekman A, Hagberg M, Andersson A, Wigaeus Tornqvist E. Ergonomic and psychosocial exposures among computer users in the Swedish workforce. In: Hagberg M, et al., eds. X2001-Exposure Assessment in Epidemiology and Practice. National Institute of Working Life, Arbete och Hälsa: Stockholm 2001: p. 375. (Arbete och hälsa 2001:10).
16. Ekman A, Andersson A, Wigaeus Tornqvist E., Hagberg M. Könsskillnader i muskuloskeletal hälsa hos svenska datoranvändare. Svenska Läkaresällskapets Riksstämman 2000, Göteborg.

Conference contributions

1. Gustavsson S, Hadzibajramovic E, Ahlberg Jr G, Grimby-Ekman A. Mediator analysis: perceived stress as a mediator between psychosocial job conditions and symptoms of burnout. Victoria, Kanada: XXVIIIth International Biometric Conference; 2016.
2. Lundgren Nilsson Å., Pousette A., Ekman A., Larsman P. Analysis of the Stress-Energy Questionnaire using modern test theory – part I – a comparison with classical test theory. The third international Rasch measurement conference, Perth, Western Australia, January 2008.
3. Pousette A., Lundgren Nilsson Å., Ekman A., Larsman P. Analysis of the stress-energy questionnaire using classic test theory - part II, a comparison with modern test theory. Paper presented at the Third International Rasch Measurement Conference, Perth, Western Australia, January 2008.
4. Hagberg M, Ekman A, Andersson A, Wigaeus Tornqvist E. Neck and arm symptoms in relation to management style, psychosocial stress and constrained work among computer users in the Swedish workforce. In: B.o. Abstracts, eds. Fourth International Scientific Conference

on Prevention of Work-related Musculoskeletal Disorders. Premus 2001. ABN AMRO:
Amsterdam, The Netherlands 2001: p.151.