

Curriculum vitae

Anna Grimby-Ekman, 671228-5003

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Sahlgrenska Academy

Gothenburg University

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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

Professor in Health science Statistics at Gothenburg University since July 2023

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%

2024 Jan – April: 25 %

Additional international academic courses:

2000 *Statistical methods in Epidemiology*. One-week-course at The Nordic School of Public Health, Göteborg, Sweden, Hans Wedel, Bo Eriksson.

Principles of Etiologic/Etiognostic research, NIVA-course, Norrköping, Sweden, Olli S Miettinen, Olav Axelsson.

Advanced statistical models in Epidemiology, ERASMUS-course, Rotterdam, Netherlands, Michael Hills and David Clayton.

Indicators for Monitoring and Surveillance of Health, Safety and Working Conditions, NIVA-course, Göteborg, Sweden

- 2001 *Analysis of ordinal data*, graduate course at Department of Economy, Statistics and Informatics, Örebro University, Elisabeth Svensson.
- 2005 *Analysis of Repeated Categorical Measurement Data - a short course in statistics*, Örebro University, Alan Agresti.
- 2006 *Introduction to Rasch analysis using RUMM2020*. Alan Tennant. University of Gothenburg, 28-30 November.
- 2008 *Health in Context: A course in multilevel modelling for Public Health Services Research*. A Leyland and P Groenewegen. University of Gothenburg, 31 Mars-4 April.
Muskuloskeletala sjukdomar, aktuella forskningsmetoder, 7.5 p, Avd. för Ortopedi, Sahlgrenska akademin, Göteborgs universitet, HT-08.
- 2009 *Methods for assessment of work ability*., 6 hp, Sahlgrenska Academy, Gothenburg University.
- 2010 *Project management and leadership in professional organizations – for Ph D students*, 7.5 hp, Gothenburg University
- 2011 HPE201, *Handledning i forskarutbildning*, 5 hp, Göteborgs Universitet, Vt 2011
HPE101, *Behörighetsgivande högskolepedagogik 1: Baskurs*, 5 hp, Göteborgs Universitet, Ht 2011
HPE102, *Högskolepedagogik 2: Områdesspecifik pedagogik*, 5 hp, Göteborgs Universitet, Ht 2011
Causal inferens, Bianca De Stavola and Rhian Daniel, Uppsala University, 8-9 December.
- 2012 HPE103, *Högskolepedagogik 3: Självständigt arbete*, 5 hp, Göteborgs universitet, Vt 2012
Humanbiologi, 7.5 hp, Göteborgs universitet, Vt 2012
Introduktion, Biodiversitet och Energimetabolism, 7 hp, Ht 2012
- 2014 *Introductory Human Physiology*, 12 week online course, Duke University.
Coursera certificate received: completed with distinction.
Vital Signs: Understanding What the Body Is Telling Us; 12 week online course, University of Pennsylvania. Coursera certificate received.
Preventing Chronic Pain: A Human Systems Approach, 9 week online course, University of Minnesota. Coursera certificate received
- 2018 Good Clinical Practice, one-day-course arranged by Gothia Forum.

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

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

Board member: 2011 - 2012

Chairman: 2012 Mars 21st – 2014 Mars 20th

Board member: 2022 - 2024

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

2022 October 26-29, 18th CONGRESS OF THE SPANISH SOCIETY OF PAIN, Valencia, Spain

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

2024	Program in Medicine: Fatima Moheb Public Health: Triona Bracken
2023	Program in Medicine: Lina Mehdi Program in Medicine: Ida Jansson Public Health: Heet Patel
2022	Program in Medicine: Hanna Normark Program in Medicine: Patricia Boethius Anderson Public Health: Mediatrice Niendum
2021	Program in Medicine: Ewa Söderberg Program in Medicine: Robbin Azar Mathematical Statistics: Joseph Mietkiewicz Public Health: Dimitrios Samaras
2020	Program in Medicine: Maja Lindell Program in Medicine: Josefine Lind Public Health: Ino Alagic
2019	Program in Medicine: Jonas Madsén Program in Medicine: Daniel Ternesten Program in Medicine: Samuel Grahm Nursing program: Amanda Dahlrot Nursing program: Ebba Ranås
2018	Program in Medicine: Björn Johansson Program in Medicine: Staffan Björndell Program in Medicine: Dan Christensson
2014	Program in Medicine: Kristoffer Struck Program in Medicine: Marcus Vestling
2013	Program in Medicine: Caroline Flärdh Program in Medicine: Pauline Stens
2011	Mathematical Statistics: Sara Johansson

Examination board for dissertation

2023	Nikolaos Skourlis	Medical Epidemiology and Biostatistics, Karolinska Institute
2021	Panagiota Drivelegka	Institute of Medicine, Sahlgrenska Academy
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

2023-2024 **Fibromyalgia Association:** Chronic pain and pain sensitivity - An important aspect of a global public health problem 150 000 kr.

2023 **The Royal Society of Arts and Sciences in Gothenburg (KVVS) scholarship:** Del 2: Hur påverkas smärtekänslighet och smärthämning av multidisciplinär smärtbehandling?“, 50 000 kr.

2022-2025 **AFA 210195, Project grant:** AI-based decision support in pain rehabilitation. 4 639 000 kr.

2023 **The Royal Society of Arts and Sciences in Gothenburg (KVVS) scholarship:** Del 1: Hur påverkas smärtekänslighet och smärthämning av multidisciplinär smärtbehandling?”, 50 000 kr

2021 **The Royal Society of Arts and Sciences in Gothenburg (KVVS) scholarship:** The relation of self-reported symptoms to Covid-19 infection, it's severity and future need of inpatient care, 48 000 kr.

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 or supervisor

2022 **VGFOUGSB-976615** Är barnhälsovården tillgänglighetsanpassad till utsatta familjers behov?

2021 **VGFOUREG-967617** Utvärdering av reliabilitet och validitet av kliniskt test av rörelsekaraktär hos patienter med långvarig smärta

2021 **VGFOUREG-967423** Undersökning av om en kombinerad behandling av fysisk aktivitet och internetbaserad kognitiv beteendeterapi inriktad på stressreducering kan påverka smärtintensiteten hos personer med långvarig generaliserad smärta.

2020 **FORTE 2019-01732 PREVSAM:** Tilläggsbidrag rehsam 2019 - projekt - rehsam tilläggsbidrag

2020-2021 **VGFOUREG-938823** Har mätning av handgreppstyrka effekter på fysisk aktivitet hos patienter med diabetes typ 2? En randomiserad kontrollerad studie

2019-2020 **VGFOUFBD-904121** En kombinerad behandling av stressreducerande internetbaserad kognitiv beteendeterapi och fysioterapi för personer med långvarig generaliserad smärta.

2019-2020 **VGFOUGSB-933574** Kartläggning av könsskillnader inom multimodal smärtehabilitering (MMR) vad gäller selektion till behandling och behandlingsresultat.

2018-2020 **FORTE 2018-01250 PREVSAM:** Att förebygga sjukskrivning och främja återgång i arbete 2018 - projekt - att förebygga sjukskrivning och främja återgång i arbete

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.

Travelling grants

Swedish Society for Medical Statistics, FMS (Föreningen för Medicinsk Statistik),

travelling grant: A short course on concepts and methods in Causal Inference, Uppsala 8-9 December 2011. **Amount:** 4500 kr.

FORTE 2014-2822, travelling grant: “Work ability and kinesiophobia among patients with persistent pain”, Buenos Aires, Argentina, 15th World Congress IASP 2014, 6-11 October 2014. **Amount:** 21 600 kr

FAS 2012-1566, travelling grant: Workshop ”Methods for Causal Mediation Analysis”, Minneapolis, 27 juni 2012 samt 45th Annual Meeting of Society for Epidemiological Research (SER), Minneapolis, 27-30 June 2012 **Amount:** 17 200 kr

FAS 2011-1612, travelling grant: Symposium of the EFIC Meeting, Hamburg, Germany, 19-20 sept 2011 and 7th Congress of the European Federation of IASP Chapters (EFIC), Hamburg 21-24 September. **Amount:** 13 500 kr.

Foundation fund in memory of mutual Accident Insurance Company Land and Sea (Stiftelsen fond till minne av ömsesidiga Olycksfallsförsäkringsbolaget Land och Sjö),

travelling grant: Konferensen EPICOH (Epidemiology in Occupational Health) i Oxford 7-9 september 2011. **Amount:** 10 000 kr.

Short analysis of my publications

46 peer-reviewed publications, 3 other scientific publications and 8 Swedish reports.

Peer review Publications (IF = impact factor at publication)

2024

1. Varkey, E., Gottfridsson, R., Grimby-Ekman, A., Bjarnegård Sellius, A., Östman, M., Andréll, P. (2024). Body Awareness, Stress and Symptoms in Autonomic Dysfunction in Patients with Chronic Pain – an Explorative Study. Journal of Rehabilitation Medicine - Clinical Communications
2. Ekhammar, A., Grimby-Ekman, A., Bernhardsson, S., Holmgren, K., Bornhöft, L., Nordeman, L., & Larsson, M. E. H. (2024). Prevention of sickness absence through early identification and rehabilitation of at-risk patients with musculoskeletal disorders (PREVSAM): short term effects of

a randomised controlled trial in primary care. *Disability and Rehabilitation*, 1–14.
<https://doi.org/10.1080/09638288.2024.2343424>

3. Grönkvist R, Vixner L, Äng B, Grimby-Ekman A. Measurement error, minimal detectable change, and minimal clinically important difference of the Short Form-36 Health Survey, Hospital Anxiety and Depression Scale, and Pain Numeric Rating Scale in patients with chronic pain. *Journal of Pain*. 2024. DOI:<https://doi.org/10.1016/j.jpain.2024.104559>
4. C Ehrencrona, Y Li, E Angenete, E Haglind, S Franzén, A Grimby-Ekman, D Bock. Do beta-blockers reduce negative intrusive thoughts and anxiety in cancer survivors? – An emulated trial. *Psychooncology*, accepted BMC Cancer.
5. Ekhammar A, Numanovic P, Grimby-Ekman A, Larsson MEH. The Swedish version of the pain self-efficacy questionnaire short form, PSEQ-2SV: Cultural adaptation and psychometric evaluation in a population of patients with musculoskeletal disorders. *Scand J Pain*. 2024 Mar 7;24(1). doi: 10.1515/sjpain-2023-0059. PMID: 38452195.
6. A. Lindegård, A. Grimby-Ekman, J. Wahlström, E. Gustafsson. Can biofeedback training in combination with ergonomic information reduce pain among young adult computer users with neck and upper extremity symptoms? - A randomized controlled intervention study, *Applied Ergonomics*, 2024.
7. Jonas Löfstrand, Anna Paganini, Anna Grimby-Ekman, Mattias Lidén, Emma Hansson. Long-term patient-reported back and shoulder function after delayed breast reconstruction with a latissimus dorsi flap– a case-control cohort study with a seven-year follow-up. *British Journal of Surgery*, 2024, 111(1)

2023

8. Weick, L., Grimby-Ekman, A., Lunde, C., & Hansson, E. Validation and reliability testing of the BREAST-Q expectations questionnaire in Swedish. *Journal of Plastic Surgery and Hand Surgery*, 2023, 57(1–6), 315–323.
9. Samulowitz, A., Grimby-Ekman, A., Haukenes, I., Bergman, S., Hensing, G. Psychosocial resources predict frequent pain differently for men and women: a prospective cohort study. *PLOS ONE* 2023.
10. Severinsson Y., Grimby-Ekman A., Nordeman L., Holmgren K., Bunketorp L., Dottori M., Larsson EH. Components of primary care multimodal rehabilitation and their association with changes in sick leave– an observational study. *WORK* 2023.

2022

11. Samulowitz, A., Hensing, G., Haukenes, I., Bergman, S., Grimby-Ekman, A. General self-efficacy and social support in men and women with pain – irregular sex patterns of cross-sectional and longitudinal associations in a general population sample. *BMC Musculoskeletal Disorders* 2022, 23(1), 1026.
12. Kennedy, B., Fitipaldi, H., Hammar, U., Maziarz, M., Tsereteli, N., Oskolkov, N., Varotsis, G., Franks, CA., Spiliopoulos, L., Adami, HO., Björk, J., Engblom, S., Fall, K., Grimby-Ekman, A., Litton, JE., Martinell, M., Oudin, A., Sjöström, T., Timpka, T., Sudre, CH., Graham, MS., Lavigne du Cadet, J., Chan, AT., Davies, R., Ganesh, S., May, A., Ourselin, S., Capdevila Pujol, J., Selvachandran, S., Wolf, J., Spector, TD., Steves, CJ., Gomez, MF., Franks, PW., Fall, T. "App-based COVID-19 surveillance and prediction: The COVID Symptom Study Sweden." *Nature Communications*. **13**(1): 2022. **IF**(2year) **15**

13. Lindell M., Grimby-Ekman A. Stress, non-restorative sleep and physical inactivity as risk factors chronic pain in young adults: a cohort study. PLOS ONE 2022. **IF 3**
14. 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. 2022. **IF 3**

2021

15. Reinholdsson, M., Grimby-Ekman A., Persson, H. C. "Association between pre-stroke physical activity and mobility and walking ability in the early subacute phase: A registry-based study." J Rehabil Med 53(10 (October)): jrm00233. 2021. **IF 3**
16. Lind J., Andréll P., Grimby-Ekman A. Insomnia symptoms and chronic pain among patients participating in a pain rehabilitation program – a registry study. Journal of Clinical Medicine. Special issue: Improved Rehabilitation for Patients with Chronic Pain. 2021. **IF 4**
17. Grimby-Ekman, A., Kim, M., Stankovic, N., Mannheimer, C. Multidimensional health changes after a multimodal pain rehabilitation program: a registry-based study. PAIN Reports. 6(2): e938 2021

2020

18. 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.
19. 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

20. 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.
21. 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.
22. 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.
23. 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.
24. 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

25. 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

26. 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**
27. 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.
28. 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.
29. 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**
30. 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**
31. 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

32. 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.
33. 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**
34. 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**
35. 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

36. 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.
37. 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**

38. Halaweh H, Willen C, Grimby-Ekman A, Svantesson U. "Physical Functioning and Fall-Related Efficacy among Community Dwelling Elderly." *European Journal of Physiotherapy* 2015.
 39. 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**
 40. 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**
 41. Hadzibajramovic E, Ahlborg 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**
42. 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.
 43. 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**
44. 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**
45. 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**
46. 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**
47. 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**
 48. 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.
 49. 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**
50. 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

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