

Department of Clinical Neuroscience
Division of Insurance Medicine

Mental disorders, comorbidity and work disability

This project aims to investigate different aspects of work disability in individuals with mental disorders with and without comorbidity of a somatic disorder in the Swedish general population. The project hereby scrutinizes unresolved issues like e.g. possible cohort effects, the influence of health care and treatment as well as changes in social insurance regulations, which will contribute extensively to the current knowledge base.

The studies are based on register data, which is obtained for individuals and their parents (where available) from Statistics Sweden, the National Board of Health and Welfare and the Social Insurance Agency. This project includes the so far largest cohort studies in this research area, covering a total population with long follow-up periods, and comprehensive information on potential confounders, like socio-economic factors.

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Publications

Wang M, Björkenstam C, Alexanderson K, Runeson B, Tinghög P, Mittendorfer-Rutz E. Trajectories of work-related functional impairment prior to suicide. *PlosOne*, 2015, Oct 7;10(10):e0139937. doi: 10.1371/journal.pone.0139937.

Dorner TE, Alexanderson K, Svedberg P, Tinghög P, Ropponen A, Mittendorfer-Rutz E. Synergistic effect between back pain and common mental disorders and the risk of future disability pension – A nationwide study from Sweden. *Psychological Medicine*. 2015, 2015 Oct 15:1-12. [Epub ahead of print]

Dorner T, Alexanderson K, Svedberg K, Ropponen A, Stein K, Mittendorfer-Rutz E. Sickness absence due to back pain or depressive episode and the risk of all-cause and diagnosis-specific disability pension; a Swedish cohort study of 4,823,069 individuals. *European Journal of Pain*, 2015. Feb 20. doi: 10.1002/ejp.661. [Epub ahead of print]

Wang M, Alexanderson K, Runeson B, Mittendorfer-Rutz E. Sick-leave measures, socio-demographic factors and health care as risk indicators for suicidal behaviour in patients with depressive disorders- a nationwide prospective cohort study. *Journal of Affective Disorders*. 2015 Mar 1;173:201-10. doi: 10.1016/j.jad.2014.10.069.

Björkenstam C, Alexanderson K, Björkenstam E, Lindholm C, Mittendorfer-Rutz E. Diagnosis-specific disability pension and risk of all-cause and cause-specific mortality - a cohort study of 4.9 million inhabitants in Sweden. *BMC Public Health*. 2014 Dec 4;14:1247. doi: 10.1186/1471-2458-14-1247

Jonsson U, Alexanderson K, Kjeldgård L, Mittendorfer-Rutz E. Psychiatric diagnoses and risk of suicidal behaviour in young disability pensioners: prospective cohort studies of all 19-23 year olds in Sweden in 1995, 2000, and 2005, respectively. *PLoS One*. 2014 Nov 3;9(11):e111618.

Ishtiaq-Ahmed K, Perski A, Mittendorfer-Rutz E. Risk markers of all-cause and diagnosis-specific disability pension--a prospective cohort study of individuals sickness absent due to stress-related mental disorders. *BMC Public Health*. 2014 Aug 7;14:805. doi: 10.1186/1471-2458-14-805.

Björkenstam E, Weitoft GR, Lindholm C, Björkenstam C, Alexanderson K, Mittendorfer-Rutz E. Associations between number of sick-leave days and future all-cause and cause-specific mortality: a population-based cohort study. *BMC Public Health*. 2014 Jul 18;14:733. doi: 10.1186/1471-2458-14-733.

Mittendorfer-Rutz E, Häkkinen T, Tihonen J, Haukka J. Association of socio-demographic factors, sick-leave and health care patterns with the risk of being granted a disability pension among psychiatric outpatients with depression. *PLoS One*. 2014 Jun 25;9(6):e99869. doi: 10.1371/journal.pone.0099869. eCollection 2014.

Rahman S, Alexanderson K, Jokinen J, Mittendorfer-Rutz E. Risk factors for suicidal behaviour in individuals on disability pension due to common mental disorders - a nationwide register-based prospective cohort study in sweden. *PLoS One*. 2014 May 28;9(5):e98497. doi: 10.1371/journal.pone.0098497. eCollection 2014.

Mittendorfer-Rutz E, Alexanderson K, Westerlund H, Lange T. Is transition to disability pension in young people associated with changes in risk of attempted suicide? *Psychol Med*, 2014; Jan 17:1-8. [Epub ahead of print]

Wang M, Alexanderson K, Runeson B, Head J, Melchior M, Perski A, Mittendorfer-Rutz E. Are all-cause and diagnosis-specific sickness absence, and sick-leave duration risk indicators for suicidal behaviour? A nationwide register-based cohort study of 4.9 million inhabitants of Sweden. *Occup Environ Med*. 2014 Jan;71(1):12-20.

Ishtiak-Ahmed K, Perski A, Mittendorfer-Rutz E. Predictors of suicidal behaviour in 36,304 individuals sickness absent due to stress-related mental disorders -- a Swedish register linkage cohort study. *BMC Public Health*. 2013;13:492.

Bryngelson A, Asberg M, Nygren A, Jensen I, Mittendorfer-Rutz E. All-Cause and Cause-Specific Mortality after Long-Term Sickness Absence for Psychiatric Disorders: A Prospective Cohort Study. *PLoS One*. 2013;8(6):e67887.
Jonsson U, Alexanderson K, Kjeldgård L, Westerlund H, Mittendorfer-Rutz E. Diagnosis-specific disability pension predicts suicidal behaviour and mortality in young adults: a nation-wide prospective cohort study. *BMJ Open*, 2013, Feb 8;3(2).

Mittendorfer-Rutz E, Kjeldgård L, Runeson B, Perski A, Melchior M, Head J, Alexanderson K. Sickness absence due to specific mental diagnoses and all-cause and cause-specific mortality: a cohort study including 4.9 million inhabitants of Sweden. *PLoS ONE*, 2012;7(9):e45788.