



AGING RESEARCH CENTER (ARC)
KAROLINSKA INSTITUTET & STOCKHOLM UNIVERSITY
GÄVLEGATAN 16 SE-113 30 STOCKHOLM SWEDEN

ARC publications

2007



**Karolinska
Institutet**



**Stockholm
University**

Original Articles

1. Ahacic K, Kåreholt I, Thorslund M, Parker MG. Relationships between symptoms, physical capacity and activity limitations in 1992 and 2002. *Aging Clin Exp Res* 2007; 19(3): 187-193.
2. Ahacic K, Parker MG, Thorslund M. Aging in disguise: age, period and cohort effects in mobility and edentulousness over three decades. *Eur J Ageing* 2007; 42: 83-91.
3. Airaksinen E, Wahlin A, Forsell Y, Larsson M. Low episodic memory performance as a premorbid marker of depression: evidence from a 3-year follow-up. *Acta Psychiatr Scand*. 2007; 115(6): 458-65.
4. Andel R, Kåreholt I, Parker MG, Thorslund M, Gatz M. Complexity of primary lifetime occupation and cognition in advanced old age. *J Aging Health* 2007; 19(3): 397-415.
5. Bergman A, Olsson J, Carlsten A, Waern M, Fastbom J. Evaluation of the quality of drug therapy among elderly patients in nursing homes. *Scand J Prim Health Care* 2007; 25(1): 9-14.
6. Bielak AA, Hultsch DF, Levy-Ajzenkopf J, MacDonald SWS, Hunter MA, Strauss E. Short-term changes in general and memory-specific control beliefs and their relationship to cognition in younger and older adults. *Int J Aging Hum Devel* 2007; 65(1): 53-71.
7. Bjork BF, Katzov H, Kehoe P, Fratiglioni L, Winblad B, Prince JA, Graff C. Positive association between risk for late-onset Alzheimer disease and genetic variation in IDE. *Neurobiol Aging* 2007; 28: 1374-1380.
8. Brehmer Y, Li SC, Müller V, von Oertzen T, Lindenberger U. Memory plasticity across the life span: uncovering children's latent potential. *Dev Psychol* 2007; 43(2): 465-478.
9. De Frias CM, Bunce D, Wahlin A, Adolfsson R, Slegers K, Cruts M, et al. Cholesterol and triglycerides moderate the effect of apolipoprotein E on memory functioning in older adults. *J Gerontol B Psychol Sci Soc Sci*. 2007; 62(2): 112-118.
10. De Ronchi D, Palmer K, Pioggiosi P, Atti AR, Berardi D, Ferrari B, Dalmonte E, Fratiglioni L. The combined effect of age, education, and stroke on dementia and cognitive impairment no dementia CIND in the elderly. *Dement Geriatr Cogn Disord* 2007; 24(4): 266-273.
11. Dixon RA, Garrett DD, Lentz TL, MacDonald SWS, Strauss E, Hultsch DF. Neurocognitive markers of cognitive impairment: exploring the roles of speed and inconsistency. *Neuropsychology*. 2007; 21(3): 381-399.
12. Fischer H, Sandblom J, Nyberg L, Herlitz A, Bäckman L. Brain activation while forming memories of fearful and neutral faces in women and men. *Emotion* 2007; 7: 767-773.
13. Fors S, Lennartsson C, Lundberg O. Socioeconomic inequalities in health among older adults in Sweden 1991-2002. *Eur J Public Health* 2007; 18(2): 138-143.
14. Gatz M, Mortimer JA, Fratiglioni L, Johansson B, Berg S, Andel R, Crowe M, Fiske A, Reynolds CA, Pedersen NL. Accounting for the relationship between low education and dementia: a twin study. *Physiol Behav* 2007; 92(1-2): 232-237.
15. Haider SI, Johnell K, Thorslund M, Fastbom J. Trends in polypharmacy and potential drug-drug interactions across educational groups in elderly patients in Sweden for the period 1992 - 2002. *Int J Clin Pharmacol Ther* 2007; 45(12): 643-53.
16. Herlitz A, Thilers P, Habib R. Endogenous estrogen is not associated with cognitive performance before, during, and following menopause. *Menopause* 2007; 14: 425-431.
17. Hämäläinen A, Tervo S, Grau-Olivares M, Niskanen E, Pennanen C, Huuskonen J, Kivipelto M, Hänninen T, Tapiola M, Vanhanen M, Hallikainen M, Helkala EL, Nissinen A, Vanninen R, Soininen H. Voxel-based morphometry to detect brain atrophy in progressive mild cognitive impairment. *Neuroimage* 2007; 37: 1122-1131.
18. Johnell K, Fastbom J, Rosen M, Leimanis A. Inappropriate drug use in the elderly: a nationwide register-based study. *Ann Pharmacother* 2007; 41(7): 1243-1248.

19. Johnell K, Fastbom J, Rosén M, Leimanis A. Läkemedelsanvändningen hos äldre brister i kvalitet. Analys utifrån nationella läkemedelsregistret visar regionala skillnader. *Läkartidningen* 2007; 104: 2158-2162.
20. Johnell K, Klarin I. The relationship between number of drugs and potential drug-drug interactions in the elderly: a study of over 600 000 elderly patients from the Swedish Prescribed Drug Register. *Drug Saf* 2007; 30:911-918.
21. Komulainen P, Kivipelto M, Lakka T, Hassinen M, Helkala E-L, Patja K, Nissinen, Rauramaa R. Carotid intima-media thickness and cognitive function in elderly women: a population-based study. *Neuroepidemiology* 2007; 28:207-13.
22. Komulainen P, Lakka T, Kivipelto M, Hassinen M, Helkala E-L, Nissinen, Rauramaa R. Serum high sensitivity C-reactive protein with cognitive function in elderly women. *Age Ageing* 2007; 36: 443-448.
23. Komulainen P, Lakka TA, Kivipelto M, Hassinen M, Helkala E-L, Nissinen A, Rauramaa R, Metabolic syndrome and cognitive function in elderly women: a population-based study. *Dement Geriatr Cogn* 2007; 23: 29-34.
24. Kåreholt I, Gatz M, Lennartsson C, Parker MG. Different leisure time activities and cognition in average 23 years later-results based on Swedish national random samples. *Gerontologist* 2007; 47; 553.
25. Larsson K. The social situation of older people. *Int J Soc Welfare*. 2007;16:203-218.
26. Lövdén M, Herlitz A, Schellenbach M, Grossman-Hutter B, Krüger A, Lindenberger U. Quantitative and qualitative sex differences in spatial navigation. *Scand J Psychol* 2007; 48: 353-358.
27. Monastero R, Palmer K, Qiu C, Winblad B, Fratiglioni L. Heterogeneity in risk factors for CIND- Population-based Longitudinal Study from the Kungsholmen Project. *Am J Geriatr Psychiatry* 2007;15; 60-69.
28. Måvall L, Thorslund M. Does day care also provide care for the caregiver? *Arch Gerontol Geriatr* 2007; 45: 137-150.
29. Ngandu T, von Strauss E, Winblad B, Helkala E-L, Tuomilehto J, Nissinen A, Soininen H, Kivipelto M. Education and dementia: what lies behind the association? *Neurology* 2007; 69:1442-1450.
30. Nordberg G, Wimo A, Jönsson L, Kåreholt I, Sjölund B-M, Lagergren M, von Strauss E. Time use and costs of institutionalised elderly persons with or without dementia. *Int J Geriatr Psychiatry* 2007; 22: 639-648.
31. Palmer K, Berger AK, Monastero R, Winblad B, Bäckman L, Fratiglioni L. Predictors of progression from Mild Cognitive Impairment to Alzheimer's Disease. *Neurology* 2007; 68(19): 1596-1602.
32. Rehnman J, Herlitz A. Women recognize more faces than men do. *Acta Psychol* 2007; 124: 344-355.
33. Rovio S, Kåreholt I, Viitanen M, Winblad B, Tuomilehto J, Soininen H, Nissinen A, Kivipelto M. Work-related Physical Activity and the Risk of Dementia and Alzheimer's Disease. *Int J Geriatr Psychiatry* 2007; 22: 874-882.
34. Small BJ, Bäckman L. Longitudinal trajectories of cognitive change in preclinical Alzheimer's disease: A growth mixture modeling analysis. *Cortex* 2007; 43: 826-834.
35. Solomon A, Kåreholt I, Ngandu T, Winblad B, Nissinen A, Tuomilehto J, Soininen H, Kivipelto M. Serum cholesterol changes after midlife and late-life cognitive functioning: Twenty-one-year follow-up. *Neurology* 2007; 68(10): 751-756.
36. Solomon A, Kåreholt I, Ngandu T, Wolozin B, MacDonald S, Winblad B, Nissinen A, Tuomilehto, J, Soininen H, Kivipelto M. 2009/2007 Serum total cholesterol, statins and cognition in non-demented elderly. *Neurobiol Aging* 2007; 306: 1006-1009.

37. Thilers P, MacDonald WS, Herlitz A. Sex differences in cognition: The role of handedness. *Physiol Behav* 2007; 92: 105-109.
38. Trygged S, Kåreholt I. Återgång i arbete bland yngre strokepatienter—effekter av socioekonomisk position. *Socialmedicinsk tidsskrift* 2007; 6: 504-510.
39. Wang HX, Leineweber C, Kirkeeide R, Svane B, Schenck-Gustafsson K, Theorell T, Orth-Gomer K. Psychosocial stress and atherosclerosis: Family and work stress accelerates progression of coronary disease in women. *J Intern Med* 2007; 26(13): 245-54.
40. Westerberg H, Klingberg T. Changes in cortical activity after training of working memory: a single-subject analysis. *Physiol Behav.* 2007; 92(1-2):186-192.
41. Wimo A, Clinical and economic outcomes--friend or foe? *Int Psychogeriatr* 2007; 19(3): 497-507.
42. Wimo A, Jönsson L, Winblad B. An estimate of the total worldwide societal costs of dementia in 2005. *Alzheimers Dement* 2007; 3(2): 81-91.
43. Wimo A, Nordberg G. Validity and reliability of assessments of time. Comparisons of direct observations and estimates of time by the use of the RUD (Resource Utilization in Dementia)-instrument. *Arch Gerontol Geriatr* 2007; 44(1): 71-81.
44. Wimo A, Norlund A. Cost-effectiveness of treatments for Alzheimer's dementia. *Value Health* 2007; 7(1): 83-90.
45. Xu WL, Qiu CX, Winblad B, Fratiglioni L. The effect of borderline diabetes mellitus on the risk of dementia and Alzheimer disease. *Diabetes* 2007; 56: 211-216.
46. Östberg V, Lennartsson C. Getting by with a little help. The importance of various types of social support for health problems. *Scand J Public Health* 2007; 35: 197-204.

Review articles

47. Bäckman L, Small BJ. Cognitive deficits in preclinical Alzheimer's disease and vascular dementia: Patterns of findings from the Kungsholmen Project. *Physiol Behav* 2007; 92: 80-86.
48. Fratiglioni L, Winblad B, von Strauss E. Prevention of Alzheimer's disease and dementia. Major findings from the Kungsholmen Project. *Physiol Behav* 2007; 92: 98-104.
49. Fratiglioni L, Wang HX. Brain reserve hypothesis in dementia. *J Alzheimers Dis* 2007; 12: 11-22.
50. Parker MG, Thorslund M. Health trends in the elderly population: Getting better and getting worse. *Gerontologist* 2007; 47(2): 150-158.
51. Qiu C, De Ronchi D, Fratiglioni L. The epidemiology of the dementias: an update. *Curr Opin Psychiatry* 2007; 20(4): 380-385.
52. Wimo A, Norlund A. Commentary on "Health economics and the value of therapy in Alzheimer's disease": cost-effectiveness studies. *Alzheimers Dement* 2007; 3(3): 157-61.

Books

53. Fastbom J. *Äldre och Läkemedel*. Liber AB; 2007.

Book chapters

54. Fritzell J, Lennartsson C, Lundberg O. Health and inequalities in Sweden, Long and short-term perspectives. In: Fritzell J, Lundberg O, Editors. Health Inequalities and Welfare Resources: Continuity and Change in Sweden. Bristol: Policy Press; 2007. p. 19-41.
55. Fritzell J, Lennartsson C, Lundberg O. Health inequalities and welfare resources – findings and forecasts. In: J Fritzell J, Lundberg O, Editors. Health Inequalities and Welfare Resources: Continuity and Change in Sweden. Bristol: Policy Press; 2007. p. 100-207.
56. Lennartsson C, Lundberg O. What's marital status got to do with it? Gender inequalities in economic resources, health and functional abilities among older adults. In: Fritzell J, Lundberg O, Editors. Health Inequalities and Welfare Resources: Continuity and Change in Sweden. Bristol: Policy Press; 2007. p. 179-198.
57. Nyberg L, Bäckman L. Det episodiska minnet. In: Olson L, Editor. En bok om hjärnan. Stockholm: Karolinska Institutet University Press; 2007. p. 105-114.
58. Schäfer S, Bäckman L. Normales und pathologisches kognitives Altern. In Brandtstädter J, Lindenberger U, Editors. Entwicklungspsychologie der Lebensspanne: Ein Lehrbuch. Stuttgart: Kohlhammer Verlag; 2007. p. 245-269.
59. Solomon A, Kivipelto M, Winblad B. Demenssjukdomar – Alzheimer's sjukdom och vaskulär demens. In: En bok om Hjärnan, Lars Olsson, Hjärnfonden, Karolinska Institutet, University Press 2007, p. 383-401.
60. Sundström G, Malmberg B, Sancho Castiello M, del Barrio E, Castejon P, Tortosa M Aes, Johansson L. Family Care for Elders in Europe: Policies and Practices. In Szinovacz M, Davey A, Editors. Caregiving Contexts. Cultural, Familial, and Societal Implications. New York: Springer; 2007.
61. Thorslund M. Det nygamla gränssnittet: äldrevården och dess omorganisationer. In: Blomqvist P, Editor. Vem styr vården? Organisation och politisk styrning inom svensk sjukvård. Stockholm: SNS förlag; 2007.p. 104-131.

Reports

62. Fastbom J. Sveriges Kommuner och Landsting. Öppna jämförelser - Äldreomsorg 2007. Stockholm: SKL; 2007.
63. Fratiglioni L, von Strauss E. Multisjuklighet och demens. Vad kan förebyggas? Statens Folkhälsoinstitut – report; 2007.
64. Gurner U, Fastbom J, Hagman L, Shah-Shahid Z, Berger AK. Äldre med stora och sammansatta behov. 30 fallbeskrivningar från Hökarängen. Rapporter/Stiftelsen Stockholms läns Äldrecentrum; 2007 nr 6.
65. Gurner U, Hagman L, Berger AK, Fastbom J, Hjulström S, Shah-Shahid Z. Hökarängens närvårdscentral. Rapporter/Stiftelsen Stockholms läns Äldrecentrum; 2007 nr 5.
66. Shah-Shahid Z, Fastbom J. Läkemedelsgenomgångar på Hökarängens Närvårdscentral. Rapporter/Stiftelsen Stockholms läns Äldrecentrum; 2007 nr 8.

National Board of Health and Welfare (Socialstyrelsen) reports – authored by or containing contributions from ARC researchers

67. Fastbom J. Läkemedelsbehandling av äldre patienter på medicinklinik. Stockholm: Socialstyrelsen; 2007.
68. Fastbom J. Öppna jämförelser av hälso- och sjukvårdens kvalitet och effektivitet. Jämförelser mellan landsting 2007. Stockholm: Socialstyrelsen; 2007.
69. Schmidt I, Ericsson Ö, Fastbom J, Andersson D. Hälso- och sjukvård – Lägesrapport 2006. Primärvård. Stockholm: Socialstyrelsen; 2007.

70. Wimo A, Johansson L. Jönsson L. Demenssjukdomarnas samhällskostnader och antalet dementa i Sverige 2005. Stockholm: Socialstyrelsen: 2007.

Doctoral Dissertations

71. Batljan I. (2007). Demographics and future needs for public long term care and services among the elderly in Sweden. The need for planning. Stockholm University.
72. Beckman Gyllenstrand A. (2007). Medication management and patient compliance in old age. Karolinska Institutet.
73. Ferdous T. (2007). Prevalence of malnutrition and determinants of nutritional status among elderly people. Karolinska Institutet. (Licentiate).
74. Nordberg G. (2007). Formal and informal care in an urban and a rural elderly population. Who? When? What? Karolinska Institutet.
75. Rehnman J. (2007). The role of gender in face recognition. Stockholm University.
76. Westerbotn M. (2007). Drug use among the very old living in ordinary households. Aspects on well-being, cognitive and functional ability. Karolinska Institutet.