

## PUBLICATION LIST NEAR 2020

### BETULA Project

Avelar-Pereira, B., Bäckman, L., Wåhlin, A., Nyberg, L., & Salami, A. (2020). Increased functional homotopy of the prefrontal cortex is associated with corpus callosum degeneration and working memory decline. *Neurobiology of Aging*, 96, 68–78.

<https://doi.org/10.1016/j.neurobiolaging.2020.08.008>.

Gorbach, T., Lundquist, A., de Luna, X., Nyberg, L., & Salami, A. (2020). A Hierarchical Bayesian Mixture Modeling Approach for Analysis of Resting-State Functional Brain Connectivity: An Alternative to Thresholding. *Brain Connectivity, brain*.2020.0740.

<https://doi.org/10.1089/brain.2020.0740>.

Elvsåshagen, T., ..., Nyberg, L., ... & Kaufmman, T. (2020). The genetic architecture of human brainstem structures and their involvement in common brain disorders. *Nature Communications*, 11(1), 4016. <https://doi.org/10.1038/s41467-020-17376-1>.

Johansson, J., Salami, A., Lundquist, A., Wåhlin, A., Andersson, M., & Nyberg, L. (2020). Longitudinal evidence that reduced hemispheric encoding/retrieval asymmetry predicts episodic-memory impairment in aging. *Neuropsychologia*, 137, 107329.  
<https://doi.org/10.1016/j.neuropsychologia.2019.107329>.

Kauppi, K., Rönnlund, M., Nordin Adolfsson, A., Pudas, S., & Adolfsson, R. (2020). Effects of polygenic risk for Alzheimer's disease on rate of cognitive decline in normal aging. *Translational Psychiatry*, 10(1), 250. <https://doi.org/10.1038/s41398-020-00934-y>.

Ljungberg, J.K., Elbe, P. & Sörman, D.E. (2020). The bilingual effects of linguistic distances on episodic memory and verbal fluency. *Scand. J. Psychol.*, 61, 195–203.  
<https://doi.org/10.1111/sjop.12609>.

Nyberg, L., Boraxbekk, C.-J., Sörman, D. E., Hansson, P., Herlitz, A., Kauppi, K., Ljungberg, J. K., Lövheim, H., Lundquist, A., Adolfsson, A. N., Oudin, A., Pudas, S., Rönnlund, M., Stiernstedt, M., Sundström, A., & Adolfsson, R. (2020). Biological and environmental predictors of heterogeneity in neurocognitive ageing. *Ageing Research Reviews*, 64, 101184.  
<https://doi.org/10.1016/j.arr.2020.101184>.

Nyberg, L., Grande, X., Andersson, M., Berron, D., Lundquist, A., Stiernstedt, M., Fjell, A., Walhovd, K. & Orädd, G. (2020). Forecasting memory function in aging: pattern-completion ability and hippocampal activity relate to visuospatial functioning over 25 years. *Neurobiology of Aging*, 94, 217–226. <https://doi.org/10.1016/j.neurobiolaging.2020.06.005>

Nyberg, L., Lundquist, A., Nordin Adolfsson, A., Andersson, M., Zetterberg, H., Blennow, K., & Adolfsson, R. (2020). Elevated plasma neurofilament light in aging reflects brain white-matter alterations but does not predict cognitive decline or Alzheimer's disease. *Alzheimer's & Dementia: Diagnosis, Assessment & Disease Monitoring*, 12(1). <https://doi.org/10.1002/dad2.12050>.

Samrani, G., & Persson, J. (2020). Proactive interference in working memory is related to adult age and cognitive factors: cross-sectional and longitudinal evidence from the Betula study. *Aging, Neuropsychology, and Cognition*, 1–20. <https://doi.org/10.1080/13825585.2020.1713982>.

Stenling, A., Sörman, D. E., Lindwall, M., Hansson, P., Körning Ljungberg, J., & Machado, L. (2020). Physical activity and cognitive function: between-person and within-person associations and moderators. *Aging, Neuropsychology, and Cognition*, 1–26. <https://doi.org/10.1080/13825585.2020.1779646>.

Sundström, A., Adolfsson, A.N., Nordin, M. & Adolfsson, R. (2020). Loneliness increases the risk of all-cause dementia and alzheimer's disease. *Journals Gerontol. - Ser. B Psychol. Sci. Soc. Sci.* 75, 919–926. <https://doi.org/10.1093/geronb/gbz139>.

## The Gothenburg H70 Birth Cohort Studies (H70, H85, H95 and PPSW)

Skillbäck T, Blennow K, Zetterberg H, Shams S, Machado A, Pereira P, Lindberg O, Mielke MM, Zettergren A, Rydén L, Westman E, Wahlund L-O, Skoog I, Kern S. Sex differences in CSF biomarkers for neurodegeneration and blood-brain barrier integrity. Accepted for publication in *Alzheimer's & Dementia: Diagnosis, Assessment & Disease Monitoring*, 2020 Dec 03.

Najar J, Van der Lee S, Joas E, Wetterberg H, Hardy J, Guerreiro R, Bras J, Waern M, Kern S, Zetterberg H, Blennow K, Skoog I, Zettergren A. A polygenic risk score for Alzheimer's disease determines risk of dementia in APOE ε4 negatives. Accepted for publication in *Alzheimer's & Dementia: Diagnosis, Assessment & Disease Monitoring*, 2020 Dec 02.

Rydberg Sterner T, Dahlin-Ivanoff S, Gudmundsson P, Wiktorsson S, Hed S, Falk H, Skoog I, Waern M. 'I wanted to talk about it, but I couldn't', an H70 focus group study about experiencing depression in early late life. *BMC Geriatr.* 2020 Dec 7;20(1):528. <https://doi.org/10.1186/s12877-020-01908-x>. PMID: 33287708.

Lindberg O, Kern S, Skoog J, Machado A, Pereira JB, Sacuiu S, Zettergren A, Wahlund L-O, Blennow K, Zetterberg H, Westman E, Skoog I. Effects of amyloid pathology and the APOE ε4 allele on the association between cerebrospinal fluid Aβ38 and Aβ40 and brain morphology in cognitively normal 70-years-olds. Accepted for publication in *Neurobiology of Aging*, 2020, Oct 30.

Rådestig MA, Skoog J, Zetterberg H, Kern J, Zettergren A, Sacuiu S, Waern M, Wetterberg H, Blennow K, Skoog I, Kern S. Cognitive Performance and Cerebrospinal Fluid Markers in Preclinical Alzheimer's Disease: Results from the Gothenburg H70 Birth Cohort Studies. *J Alzheimers Dis.* 2020 Nov 17. <https://doi.org/10.3233/JAD-200751> Online ahead of print. PMID: 33216028.

Bae JB, Lipnicki DM, Han JW, Sachdev PS, Kim TH, Kwak KP, Kim BJ, Kim SG, Kim JL, Moon SW, Park JH, Ryu SH, Youn JC, Lee DY, Lee DW, Lee SB, Lee JJ, Jhoo JH, Skoog I, Najar J, Sterner TR, Scarmeas N, Yannakoulia M, Dardiotis E, Riedel-Heller S, Roehr S, Pabst A, Ding D, Zhao Q, Liang X, Lobo A, De-la-Cámarra C, Lobo E, Kim KW; for Cohort Studies of Memory in an International Consortium (COSMIC). Parity and the risk of incident dementia: a COSMIC study. *Epidemiol Psychiatr Sci.* 2020 Oct 20;29:e176. <https://doi.org/10.1017/S2045796020000876>.

Rydberg Sterner T, Gudmundsson P, Falk Erhag H, Seidu N, Ahlner F, Wetterberg H, Rydén L, Sigström R, Östling S, Zettergren A, Kern S, Waern M, Skoog I. Depression in relation to sex and gender expression among Swedish septuagenarians—Results from the H70 study. *PLoS One*. 2020; 15(9): e0238701. Published online 2020 Sep 14. <https://doi.org/10.1371/journal.pone.0238701>.

Lindell E, Kollén L, Johansson M, Karlsson T, Rydén L, Falk Erhag H, Wetterberg H, Zettergren A, Skoog I, Finizia C. Benign paroxysmal positional vertigo, dizziness, and health-related quality of life among older adults in a population-based setting. *Eur Arch Otorhinolaryngol*. 2020 Sep 19. <https://doi.org/10.1007/s00405-020-06357-1>. Online ahead of print.

Hoff M, Tengstrand T, Sadeghi A, Skoog I, Rosenhall U. Auditory function and prevalence of specific ear and hearing related pathologies in the general population at age 70. *Int J Audiol*. 2020 Sep;59(9):682-693. <https://doi.org/10.1080/14992027.2020.1731766>. Epub 2020 Feb 24.

Hasselgren C, Ekbrand H, Halleröd B, Mellqvist Fässberg M, Zettergren A, Johansson L, Skoog I, Dellve L. Sex differences in dementia: on the potentially mediating effects of educational attainment and experiences of psychological distress. *BMC Psychiatry*. 2020; 20: 434. Published online 2020 Sep 4. <https://doi.org/10.1186/s12888-020-02820-9>.

Lindell E, Kollén L, Johansson M, Karlsson T, Rydén L, Zettergren A, Frändin K, Skoog I, Finizia C. Dizziness and its association with walking speed and falls efficacy among older men and women in an urban population. *Aging Clin Exp Res*. 2020; 32(6): 1049–1056. Published online 2019 Sep 5. <https://doi.org/10.1007/s40520-019-01303-6>.

Najar J, Östling S, Waern M, Zettergren A, Kern S, Wetterberg H, Hällström T, Skoog I. Reproductive period and dementia: A 44-year longitudinal population study of Swedish women. *Alzheimers Dement*. 2020 Aug;16(8):1153-1163. <https://doi.org/10.1002/alz.12118>. Epub 2020 Jun 23.

Bae JB, Lipnicki DM, Han JW, Sachdev PS, Kim TH, Kwak KP, Kim BJ, Kim SG, Kim JL, Moon SW, Park JH, Ryu SH, Youn JC, Lee DY, Lee DW, Lee SB, Lee JJ, Jhoo JH, Libre-Rodriguez JJ, Libre-Guerra JJ, Valhuerdi-Cepero AJ, Ritchie K, Ancelin ML, Carriere I, Skoog I, Najar J, Sterner TR, Scarmeas N, Yannakoulia M, Dardiotis E, Meguro K, Kasai M, Nakamura K, Riedel-Heller S, Roehr S, Pabst A, van Boxtel M, Köhler S, Ding D, Zhao Q, Liang X, Scauzufca M, Lobo A, De-la-Cámarra C, Lobo E, Kim KW; for Cohort Studies of Memory in an International Consortium (COSMIC). Does parity matter in women's risk of dementia? A COSMIC collaboration cohort study. *BMC Med*. 2020; 18: 210. Published online 2020 Aug 5. <https://doi.org/10.1186/s12916-020-01671-1>.

Wolters FJ, Chibnik LB, Waziry R, Anderson R, Berr C, Beiser AS, Bis JC, Blacker D, Bos D, Brayne C, Dartigues J-F, Darweesh SKL, Davis-Plourde KL, De Wolf F, Debette S, Dufouil C, Fornage M, Goudsmit J, Grasset L, Gudnason V, Hadjichrysanthou C, Helmer C, Ikram MA, Ikram MK, Joas E, Kern S, Kuller L, Launer L, Lopez O, Matthews F, McRae-McKee K, Meirelles O, Mosley TH, Pase MP, Psaty BM, Satizabal C, Seshadri S, Skoog I, Stephan CMB, Wetterberg H, Wong MM, Zettergren A, Hofman A. Twenty-seven-year time trends in dementia incidence in Europe and the United States: The Alzheimer Cohorts Consortium. *Neurology*. 2020 Aug 4; 95(5): e519–e531. <https://doi.org/10.1212/WNL.000000000010022>.

Thorvaldsson V, Skoog I, Johansson B. Cholesterol and cognitive aging: Between-person and within-person associations in a population-based representative sample not on lipid-lowering medication. *Psychol Aging*. 2020 Jun;35(4):508-516. <https://doi.org/10.1037/pag0000449>. Epub 2020 Feb 27.

Novak M, Waern M, Johansson L, Zettergren A, Rydén L, Wetterberg H, Gudmundsson P, Skoog I. Cardiovascular and all-cause mortality attributable to loneliness in older Swedish men and women. *BMC Geriatr*. 2020; 20: 201. Published online 2020 Jun 9. <https://doi.org/10.1186/s12877-020-01603-x>.

Å. von Berens, S. R. Obling, M. Nydahl, A. Koochek, L. Lissner, I. Skoog, K. Frändin, E. Skoglund, E. Rothenberg, T. Cederholm. Sarcopenic obesity and associations with mortality in older women and men – a prospective observational study. *BMC Geriatr*. 2020; 20: 199. Published online 2020 Jun 9. <https://doi.org/10.1186/s12877-020-01578-9>.

Janssen O, Vos SJB, García-Negredo G, Tochel C, Gustavsson A, Smith M, Ly A, Nelson M, Baldwin H, Sudlow C, Bexelius C, Jindra C, Vaci N, Bauermeister S, Gallacher J, Ponjoan A, Dufouil C, Garre Olmo J, Pedersen L, Skoog I, Hottgenroth A, Visser PJ, van der Lei J, Diaz C. Real-world evidence in Alzheimer's disease: The ROADMAP Data Cube. *Alzheimers Dement*. 2020 Mar;16(3):461-471. <https://doi.org/10.1016/j.jalz.2019.09.087>. Epub 2020 Jan 6.

Göthberg H, Rosenhall U, Tengstrand T, Rydén L, Wetterberg H, Skoog I, Sadeghi A. Prevalence of hearing loss and need for aural rehabilitation in 85-year-olds: a birth cohort comparison, almost three decades apart. *Int J Audiol*. 2020 Mar 4:1-10. <https://doi.org/10.1080/14992027.2020.1734878>. Online ahead of print.

Hoogendoijk EO, Rijnhart JJM, Skoog J, Robitaille A, van den Hout A, Ferrucci L, Huisman M, Skoog I, Piccinini AM, Hofer SM, Muniz Terrera G. Gait speed as predictor of transition into cognitive impairment: Findings from three longitudinal studies on aging. *Exp Gerontol*. 2020 Jan;129:110783. <https://doi.org/10.1016/j.exger.2019.110783>. Epub 2019 Nov 18.

Havstam Johansson L, Škiljić D, Falk Erhag H, Ahlner F, Pernheim C, Rydberg Sterner T, Wetterberg H, Skoog I, Zetterberg M. Vision-related quality of life and visual function in a 70-year-old Swedish population. *Acta Ophthalmol*. 2020 Jan 7. <https://doi.org/10.1111/aos.14341>. Online ahead of print.

Peters R, Yasar S, Anderson CS, Andrews S, Antikainen R, Arima H, Beckett N, Beer JC, Bertens AS, Booth A, van Boxtel M, Brayne C, Brodaty H, Carlson MC, Chalmers J, Corrada M, DeKosky S, Derby C, Dixon RA, Forette F, Ganguli M, van Gool WA, Guaita A, Hever AM, Hogan DB, Jagger C, Katz M, Kawas C, Kehoe PG, Keinanen-Kiukaanniemi S, Kenny RA, Köhler S, Kunutsor SK, Laukkonen J, Maxwell C, McFall GP, van Middelaar T, Moll van Charante EP, Ng TP, Peters J, Rawtaer I, Richard E, Rockwood K, Rydén L, Sachdev PS, Skoog I, Skoog J, Staessen JA, Stephan BCM, Sebert S, Thijss L, Trompet S, Tully PJ, Tzourio C, Vaccaro R, Vaaramo E, Walsh E, Warwick J, Anstey KJ. [Investigation of antihypertensive class, dementia, and cognitive decline: A meta-analysis](#). *Neurology*. 2020 Jan 21; 94(3): e267–e281. <https://doi.org/10.1212/WNL.0000000000008732>.

Cedres N, Ferreira D, Machado A, Shams S, Sacuiu S, Waern M, Wahlund L-O, Zettergren A, Kern S, Skoog I, Westman E. Predicting Fazekas scores from automatic segmentations of white matter

signal abnormalities. *Aging* (Albany NY) 2020 Jan 15; 12(1): 894–901. Published online 2020 Jan 12. <https://doi.org/10.18632/aging.102662>.

## **Thesis**

Rydberg Sterner Therese, Depression among Swedish 70-year-olds: Sex differences from a gender perspective. Sahlgrenska Academy, Institute of Neuroscience and Physiology, University of Gothenburg, 2020.

Skoog Johan, Sleep and cognition in old age: Birth cohort differences, dementia, and biomarkers of Alzheimer's disease. Department of Psychology, University of Gothenburg, 2020.

## **Reports**

Skoog Ingmar, Rapport 21: 70 är det nya 50, Delegationen för senior arbetskraft, 2020.

## **The Screening Across the Lifespan of Twins (SATSA) and the Screening Across the Lifespan of Twins (SALT)**

Bao, C., Yang, R., Pedersen, N. L., Xu, W., Xu, H., Song, R., Qi, X., & Xu, W. (2019). Overweight in midlife and risk of cancer in late life: A nationwide Swedish twin study. *International journal of cancer*, 144(9), 2128–2134. <https://doi.org.proxy.kib.ki.se/10.1002/ijc.32005>.

Beam, C. R., Kaneshiro, C., Jang, J. Y., Reynolds, C. A., Pedersen, N. L., & Gatz, M. (2020). A Twin Study of Sex Differences in Genetic Risk for All Dementia, Alzheimer's Disease (AD), and Non-AD Dementia. *Journal of Alzheimer's disease: JAD*, 76(2), 539–551.  
<https://doi.org/10.3233/JAD-191192>.

Beam, C.R. & Kim, A.J. (2020). Psychological Sequelae of Social Isolation and Loneliness Might be a Larger Problem in Young Adults than Older Adults. *Psychological Trauma: Theory, Research, Practice, and Policy*, 12(S1), S58–S60. <https://doi.org/10.1037/tra0000774>.

Chen, R., Zhan, Y., Pedersen, N., Fall, K., Valdimarsdóttir, U. A., Hägg, S., & Fang, F. (2020). Marital status, telomere length and cardiovascular disease risk in a Swedish prospective cohort. *Heart (British Cardiac Society)*, 106(4), 267–272. <https://doi.org/10.1136/heartjnl-2019-315629>.

Dintica, C. S., Marseglia, A., Wårdh, I., Stjernfeldt Elgestad, P., Rizzuto, D., Shang, Y., Xu, W., & Pedersen, N. L. (2020). The relation of poor mastication with cognition and dementia risk: a population-based longitudinal study. *Aging*, 12(9), 8536–8548. <https://doi.org.proxy.kib.ki.se/10.18632/aging.103156>.

Emery, C. F., Finkel, D., Gatz, M., & Dahl Aslan, A. K. (2020). Evidence of Bidirectional Associations Between Depressive Symptoms and Body Mass Among Older Adults. *The journals of gerontology. Series B, Psychological sciences and social sciences*, 75(8), 1689–1698.  
<https://doi.org/10.1093/geronb/gbz022>.

Finkel, D. & Sundström, G. (in press). Quality of life of older Swedes. In G. Fernandez-Mayoralas & F. Rojo-Perez (Eds.), *Active Aging and Quality of Life*. New York: Springer.

Finkel, D., & Ernsth Bravell, M. (2020). Cohort by Education Interactions in Longitudinal Changes in Functional Abilities. *Journal of aging and health*, 32(3-4), 208–215.  
<https://doi.org/10.1177/0898264318814108>.

Finkel, D., & Franz, C. E., Christensen, K., Reynolds, C. A., Pedersen, N. L., for the IGEMS consortium (2020). Longitudinal twin study of subjective health: Differences in genetic and environmental components of variance across age and sex. *Journals of Gerontology: Psychological Sciences*, 75, 1-10. <https://doi:10.1093/geronb/gby030>.

Finkel, D., Ernsth Bravell, M., & Pedersen, N. L. (in press). Role of motor function and lung function in pathways to aging and decline. *Aging Clinical and Experimental Research*.  
<https://doi:10.1007/s40520-020-01494-3>.

Gerritsen, L., Hägg, S., Reynolds, C. A., & Pedersen, N. L. (2020). The Association of Individual Changes in Stressful Life Events and Telomere Length Over Time in Twins 50 Years and Older. *Psychosomatic medicine*, 82(6), 614–622. <https://doi.org/10.1097/PSY.0000000000000826>.

Graham, E. K., Weston, S. J., Gerstorf, D., Yoneda, T. B., Booth, T., Beam, C. R., Petkus, A. J., Drewelies, J., Hall, A. N., Bastarache, E. D., Estabrook, R., Katz, M. J., Turiano, N. A., Lindenberger, U., Smith, J., Wagner, G. G., Pedersen, N. L., Allemand, M., Spiro, A., Deeg, D. J. H., Johansson, B., Piccinin, A. M., Lipton, R. B., Schaie, K. W., Willis, S., Reynolds, C. A., Deary, I. J., Hofer, S. M., and Mroczek, D. K. (2020) Trajectories of Big Five Personality Traits: A Coordinated Analysis of 16 Longitudinal Samples. *Eur. J. Pers.*, 34: 301–321. <https://doi.org/10.1002/per.2259>.

Hong, M. G., Dodig-Crnković, T., Chen, X., Drobin, K., Lee, W., Wang, Y., Edfors, F., Kotol, D., Thomas, C. E., Sjöberg, R., Odeberg, J., Hamsten, A., Silveira, A., Hall, P., Nilsson, P., Pawitan, Y., Uhlén, M., Pedersen, N. L., Hägg, S., Magnusson, P. K., ... Schwenk, J. M. (2020). Profiles of histidine-rich glycoprotein associate with age and risk of all-cause mortality. *Life science alliance*, 3(10), e202000817. <https://doi.org/10.26508/lsa.202000817>.

Johansson, L., Finkel, D., Christina Lannering, Dahl Aslan, A., Andersson-Gäre, B., Hallgren, J., Lindmark, U., & Ernsth Bravell, M. (in press). Using aggregated data from Swedish national quality registries as tools to describe health conditions of older people. *Aging Clinical and Experimental Research*. <https://doi:10.1007/s40520-020-01629-6>.

Karlsson, I. K., Ericsson, M., Wang, Y., Jylhävä, J., Hägg, S., Pedersen, N. L., Reynolds, C. A., & Dahl Aslan, A. K. (2020). Replicating associations between DNA methylation and body mass index in a longitudinal sample of older twins. *International journal of obesity (2005)*, 44(6), 1397–1405. <https://doi.org/10.1038/s41366-019-0498-6>.

Karlsson, I. K., Lehto, K., Gatz, M., Reynolds, C. A., & Dahl Aslan, A. K. (2020). Age-dependent effects of body mass index across the adult life span on the risk of dementia: a cohort study with a genetic approach. *BMC medicine*, 18(1), 131. <https://doi.org/10.1186/s12916-020-01600-2>.

Li, C., Stoma, S., Lotta, L. A., Warner, S., Albrecht, E., Allione, A., Arp, P. P., Broer, L., Buxton, J. L., Da Silva Couto Alves, A., Deelen, J., Fedko, I. O., Gordon, S. D., Jiang, T., Karlsson, R., Kerrison, N., Loe, T. K., Mangino, M., Milaneschi, Y., Miraglio, B., ... Codd, V. (2020). Genome-wide Association Analysis in Humans Links Nucleotide Metabolism to Leukocyte Telomere

Length. *American journal of human genetics*, 106(3), 389–404.  
<https://doi.org/10.1016/j.ajhg.2020.02.006>.

Li, X., Ploner, A., Wang, Y., Magnusson, P. K. E., Reynolds, C., Finkel, D., Pedersen, N. L., Jylhävä, H., & Hägg, S. (2020). Longitudinal trajectories, correlations and mortality associations of nine biological ages across 20-years follow-up. *eLife*. <https://doi:10.7554/eLife.51507>.

Lindmark, U., Ernsth Bravell, M., Johansson, L., & Finkel, D. (2020). Oral health is essential for quality of life in older adults: A Swedish National Quality Register Study. *Gerodontology*, 10.1111/ger.12514. Advance online publication. <https://doi.org/10.1111/ger.12514>.

Luo, J., Beam, C.R., Karlsson, I.K., Pike, C., & Gatz, M. (2020). Dementia Risk in Women Higher in Same-Sex than Opposite-Sex Twins. *Alzheimer's & Dementia: Diagnosis, Assessment & Disease Monitoring*, 12(1):e12049. <https://doi:10.1002/dad2.12049>.

Raymond, E., Reynolds, C. A., Dahl Aslan, A. K., Finkel, D., Ericsson, M., Hägg, S., Pedersen, N. L., & Jylhävä, J. (2020). Drivers of Frailty from Adulthood into Old Age: Results from a 27-Year Longitudinal Population-Based Study in Sweden. *The journals of gerontology. Series A, Biological sciences and medical sciences*, 75(10), 1943–1950. <https://doi.org/10.1093/gerona/glaa106>.

Reynolds CA, Tan Q, Munoz E, Jylhävä J, Hjelmborg J, Christiansen L, Hägg S, Pedersen NL. A decade of epigenetic change in aging twins: Genetic and environmental contributions to longitudinal DNA methylation. *Aging Cell*. 2020 Aug;19(8):e13197. <https://doi:10.1111/acel.13197>.

Sharp, E. S., Beam, C. R., Reynolds, C. A., & Gatz, M. (2019). Openness declines in advance of death in late adulthood. *Psychology and aging*, 34(1), 124–138. <https://doi.org/10.1037/pag0000328>.

Tomata, Y., Li, X., Karlsson, I. K., Mosing, M. A., Pedersen, N. L., & Hägg, S. (2020). Joint impact of common risk factors on incident dementia: A cohort study of the Swedish Twin Registry. *Journal of internal medicine*, 288(2), 234–247. <https://doi.org/10.1111/jiom.13071>.

Yang, R., Pedersen, N. L., Bao, C., Xu, W., Xu, H., Song, R., Qi, X., & Xu, W. (2019). Type 2 diabetes in midlife and risk of cerebrovascular disease in late life: a prospective nested case-control study in a nationwide Swedish twin cohort. *Diabetologia*, 62(8), 1403–1411. <https://doi-org.proxy.kib.ki.se/10.1007/s00125-019-4892-3>.

Yang, R., Xu, H., Pedersen, N. L., Li, X., Yu, J., Bao, C., Qi, X., & Xu, W. (2020). A healthy lifestyle mitigates the risk of heart disease related to type 2 diabetes: a prospective nested case-control study in a nationwide Swedish twin cohort. *Diabetologia*, 10.1007/s00125-020-05324-z. Advance online publication. <https://doi-org.proxy.kib.ki.se/10.1007/s00125-020-05324-z>.

## **The Swedish National study on Aging and Care – Kungsholmen (SNAC-K) and The Kungsholmen Project (KP)**

Brayne, C.E., Barnes, L.E., Breteler, M.M.B., Brooks, R.L., Dufouil, C., Fox, C., Fratiglioni, L., Ikram, M.A., Kenny, R.A., Kivipelto, M., Lobo, A., Musicco, M., Qiu, C., Richard, E., Riedel-Heller, S.G., Ritchie, C., Skoog, I., Stephan, B.C.M., Venneri, A., & Matthews, F.E. (2020).

Dementia Research Fit for the Planet: Reflections on Population Studies of Dementia for Researchers and Policy Makers Alike. *Neuroepidemiology*, 54(2), 157-170.

Calderón-Larrañaga, A., Saadeh, M., Hooshmand, B., Refsum, H., Smith, D., Marengoni, A., & Vetrano, D.L. (in press). Homocysteine, methionine and MTHFR genotype predict the rate of cardiovascular multimorbidity development in older adults: a 12-year population-based study. *JAMA Network Open*.

Ding, M., Qiu, C., Rizzuto, D., Grande, G., & Fratiglioni, L. (2020). Tracing temporal trends in dementia incidence over 25 years in central Stockholm, Sweden. *Alzheimer's & dementia: the journal of the Alzheimer's Association*, 16(5), 770–778.

Dintica C.S., Marseglia A., Wårdh I., Stjernfeldt Elgestad P., Rizzuto D., Shang Y., Xu W.L., & Pedersen N.L. (2020). The relation of poor mastication with cognition and dementia risk: a population-based longitudinal study. *Aging*. <https://doi.org/10.1863/aging.103156> [Epub ahead of print].

Dohrn, I.M., Papenberg, G., Winkler, E., & Welmer, A.K. (2020). Impact of dopamine-related genetic variants on physical activity in old age - a cohort study. *International Journal of Behavioral Nutrition and Physical Activity*, 17, 68. <https://doi.org/10.1186/s12966-020-00971-2>

Dohrn I., Gardiner P.A., Winkler E., & Welmer A.K. (2020) Device-measured sedentary behavior and physical activity in older adults differ by demographic and health-related factors. *Eur Rev Aging Phys Act*. 11;17:8.

Dupraz, J., Andersen-Ranberg, K., & Fors, S. (2020). On behalf of the 5-COOP group, et al. Use of healthcare services and assistive devices among centenarians: results of the cross-sectional, international 5-COOP study. *BMJ Open* 2020, 10, e034296.

Ek S., Rizzuto D., Xu W., Calderón-Larrañaga A., & Welmer A.K.(2020) Predictors for functional decline after an injurious fall: a population-based cohort study. *Aging Clin Exp Res*. 2020 Nov 7. <https://doi.org/10.1007/s40520-020-01747-1>.

Ekström I., Larsson M., Rizzuto D., Fastbom J., Bäckman L., & Laukka E.J.(in press) Predictors of olfactory decline in aging: A longitudinal population-based study. *J Gerontology A Biol Sci Med Sci*. PMID: 32886741.

Grande, G., Ljungman P.L.S., Eneroth K, Bellander T, & Rizzuto D. (2020). Association Between Cardiovascular Disease and Long-term Exposure to Air Pollution With the Risk of Dementia. *Jama Neurology*, Advance online publication. <https://doi.org/10.1001/jamaneurol.2019.4914>.

Grande G., Rizzuto D., Vetrano D.L., Marseglia A., Vanacore N., & Laukka E.J., Welmer A.K., Fratiglioni L. (2020). Cognitive and physical markers of prodromal dementia: A 12-year-long population study. *Alzheimers Dement*, 16(1):153-161. <https://doi.org/10.1002/alz.12002>.

Grande G., Vetrano D.L., Fratiglioni L., Marseglia A., Vancore N., Laukka E.J., Welmer A.K., & Rizzuto D. (2020). Disability trajectories and mortality in older adults with different cognitive and physical profiles. *Aging Clin Exp Res*, 32:1007-1016. PMID: 31471890.

Harber-Aschan, L., Calderón-Larrañaga, A., Darin Mattsson, A., Hu, X., Fratiglioni, L.,& Dekhtyar, S. (2020). Beyond the social gradient: the role of lifelong socioeconomic status in older adults' health trajectories. *Aging* (Albany, NY), in press.

Hvidtfeldt U.A., et al. Long-term low-level ambient air pollution exposure and risk of lung cancer – a pooled analysis of 7 European cohorts. Accepted for Publication in *Environment International* on October 2020.

Hvidtfeldt U.A., ... & Rizzuto D., et al. Long-term exposure to fine particle elemental components and lung cancer incidence in the ELAPSE pooled cohort. Accepted for Publication in *Environmental Research* on November 2020.

Laukka E.J., Köhncke Y., Papenberg G., Fratiglioni L., & Bäckman L. (2020) Combined genetic influences on episodic memory decline in older adults without dementia. *Neuropsychology*, 34:654-666. PMID:32352830.

Laveskog A., Wang R., Vetrano DL., Bronge L., Wahlund LO., & Qiu C. (2020) Associations of Vascular Risk Factors and APOE Genotype With Perivascular Spaces Among Community-Dwelling Older Adults. *J Am Heart Assoc*, 18;9(16):e015229.

<https://doi.org/10.1161/JAHA.119.015229>.

Liu S., Jørgensen J.T., Ljungman P., Pershagen P., Bellander T., De Faire U., Lager A., Magnusson P., & Rizzuto D., et al. Long-term exposure to low-level air pollution and incidence of chronic obstructive pulmonary disease: the ELAPSE project. Accepted for Publication in *Environment International* on November 2020.

Liu S., Jørgensen J., Ljungman P., Pershagen G., Bellander T., Leander K., Magnusson P., & Rizzuto D., et al. Long-term exposure to low-level air pollution and incidence of asthma: the ELAPSE project. Accepted for Publication in *European Respiratory Journal* on November 2020.

Lövdén, M., Fratiglioni, L., Glymour, M., Lindenberger, U., & Tucker- Drob, E. (2020). Education and cognitive functioning across the lifespan. *Psychological Science in the Public Interest*, 21, 6-41. <https://doi.org/10.1177/1529100620920576>.

Marseglia A., Darin-Mattsson A., Kalpouzos G., Grande G., Fratiglioni L., Dekhtyar S., & Xu W. (2020) Can active life mitigate the impact of diabetes on dementia and brain aging?. *Alzheimer's & dementia : the journal of the Alzheimer's Association*, 16;11 1534-1543.

Müller T., Payton N., Kalpouzos G., Jessen F., Grande G., Bäckman L., & Laukka E.J. (2020) Cognitive, genetic, brain volume, and diffusion tensor imaging markers as early indicators of dementia. *J Alzheimers Dis*, 77:1443-1453. PMID: 32925047.

Olofsson, J., Larsson, M., Roa, C., Wilson, D., & Laukka, E. J. (2020). Interaction between odor identification deficit and APOE4 predicts 6-year cognitive decline in elderly individuals. *Behavior Genetics*, 50, 3-13. <https://doi.org/10.1007/s10519-019-09980-9>.

Olsson, A., Berglov, A., & Sjolund, B. M. (2020). "Longing to be independent again" - A qualitative study on older adults' experiences of life after hospitalization. *Geriatr Nurs*. <https://doi.org/10.1016/j.gerinurse.2020.07.007>.

Palmquist, E., Larsson, M., Olofsson, J. K., Seubert, J., Bäckman, L., & Laukka, E.J. (2020). A prospective study on risk factors for olfactory dysfunction in aging. *Journal of Gerontology: Biological and Medical Sciences*, 75, 603-610. <https://doi.org/10.1093/gerona/glz265>.

Pan, K.Y., Xu, W., Mangialasche, F., Grande, G., Fratiglioni, L., & Wang, H.X. (2020). The role of Apolipoprotein E epsilon4 in the association between psychosocial working conditions and dementia. *Aging*, 12(4), 3730-3746. <https://doi.org/10.18632/aging.102843>.

Payton, N. M., Rizzuto, D., Fratiglioni, L., Kivipelto, M., Bäckman, L., & Laukka, E. J. (2020). Combining Cognitive Markers to Identify Individuals at Increased Dementia Risk: Influence of Modifying Factors and Time to Diagnosis. *Journal of the International Neuropsychological Society*, 26, 785-797. <https://doi.org/10.1017/S1355617720000272>.

Saadeh M., Welmer A.K., Dekhtyar S., Fratiglioni L., & Calderón-Larrañaga A.. (2020). The Role of Psychological and Social Well-being on Physical Function Trajectories in Older Adults. *J Gerontol A Biol Sci Med Sci*. 75(8):1579-1585.

Seubert, J., Kalpouzos, G., Larsson, M., Hummel, T., Bäckman, L., & Laukka, E.J. (2020). Temporolimbic cortical volume is associated with semantic odor memory performance in aging. *NeuroImage*, 211, 116600. <https://doi.org/10.1016/j.neuroimage.2020.116600>.

Sindi S., Pérez L.M., Vetrano D.L., Triolo F., Kåreholt I., Sjöberg L., Darin-Mattsson A., Kivipelto M., Inzitari M., Calderón-Larrañaga A. (2020). Sleep disturbances and the speed of multimorbidity development in old age: results from a longitudinal population-based study. *BMC Med*. Dec 7;18(1):382. <https://doi.org/10.1186/s12916-020-01846-w>.

Sjöberg, L., Fratiglioni, L., Lövdén, M., & Wang, H-X. (2020). Low mood and risk of dementia: The role of marital status and living situation. *American Journal of Geriatric Psychiatry*, 28, 33-44.

Shang Y., Fratiglioni L., Marseglia A., Plym A., Welmer A.K., Wang H.X., Wang R., & Xu W.L. (2020). Association of diabetes with stroke and post-stroke dementia: A population-based cohort study. *Alzheimers Dement*, 16(7):1003-1012. <https://doi.org/10.1002/alz.12101>.

Straatmann. V.S., Vetrano, D.L., Fratiglioni, L., & Calderón-Larrañaga, A. (2020). Disease or function? What matters most for self-rated health in older people depends on age. *Aging Clinical and Experimental Research*. Advance online publication. <https://doi.org/10.1007/s40520-020-01507-1>.

Straatmann, V.S., Dekhtyar, S., Meinow, B., Fratiglioni, L., & Calderón-Larrañaga, A. (2020) Unplanned hospital care use in older adults: the role of psychological and social well-being. *Journal of the American Geriatrics Society*, 68(2):272-80.

Tian., Q., Resnick, S.M., Mielke, M.M., Yaffe, K., Launer. L.J., Jonsson, P.V., Grande, G., Welmer., A.K., Laukka, E.J., Bandinelli, S., Cherubini, A., Rosano, C., Kritchevsky, S.B., Simonsick, E.M., Studentski, S., & Ferrucci, L. (2020). Association of dual decline in memory and gait speed with risk for dementia among adults older than 60 years. A multicohort individual-level meta-analysis. *JAMA Network Open*, 3(2), e1921636. <https://doi.org/10.1001/jamanetworkopen.2019.21636>.

Trevisan C., Grande G., Vetrano D.L., Maggi S., Sergi G., Welmer A.K., & Rizzuto D. (2020). Gender Differences in the Relationship Between Marital Status and the Development of Frailty: A Swedish Longitudinal Population-Based Study. *J Womens Health (Larchmt)*, 29(7):927-936. <https://doi.org/10.1089/jwh.2019.8095>.

Trevisan, C., Rizzato, D., Sergi, G., Maggi, S., Welmer, A.K., & Vetrano, D.L (2020). Peak expiratory flow, walking speed and survival in older adults: An 18-year longitudinal population-based study. *Experimental Gerontology*, 135. Advance online publication.

<https://doi.org/10.1016/j.exger.2020.110941>.

Trevisan C., Rizzato D., Ek S., Maggis S., Fratiglioni L., & Welmer A.K. (2020). Peak expiratory flow and the risk of injurious falls in older adults: the role of physical and cognitive deficits. *J Am Med Dir Assoc*, 8:S1525-8610(19)30822-9.

Vetrano D.L., Grande G., Marengoni, A., Calderón-Larrañaga A., & Rizzato D. (2020). Health Trajectories in Swedish Centenarians. *J Gerontol A Biol Sci Med Sci*, 22;glaa152.

<https://doi.org/10.1093/gerona/glaa152>.

Vetrano, D.L., Roso-Llorach, A., Fernández-Bertolín, S., Guisado-Clavero, M., Violán, C., Onder, G., Fratiglioni, L., Calderón-Larrañaga, A., & Marengoni, A. (in press). Twelve-year clinical trajectories of multimorbidity in a population of older adults. *Nature Communications*.

Welmer A.K., Wang R., Rizzato D., Ek S., Vetrano D.L., & Qiu C. (2020). Associations of blood pressure with risk of injurious falls in old age vary by functional status: A cohort study. *Exp Gerontol*, 29; 111038.

Wu W., Xu W., Englund S., Shang Y., Pan K.Y., & Rizzato D. (2020). Can health behaviours prolong survival and compress the period of survival with the disability? A population-based cohort study. *Age Ageing*, 23;afaa143. <https://doi.org/10.1093/ageing/afaa143>.

Zucchelli, A., Marengoni, A., Rizzato, D., Calderón-Larrañaga, A., Zucchelli, M., Bernabei, R., Onder, G., Fratiglioni, L., & Vetrano, D.L. (in press). Using a genetic algorithm to derive a highly predictive and context-specific frailty index. *Aging*.

## **Thesis**

Grande, G (2020). Development of dementia in older adults: the body-mind connection. Stockholm: Karolinska Institutet.

Li, X. (2020). The relation among aging, dopamine-regulating genes, and neurocognition. Stockholm: Karolinska Institutet.

Payton, N. (2020). Understanding preclinical dementia: early detection of dementia through cognitive and biological markers. Stockholm: Karolinska Institutet.

Dintica, C. (2020). Oral health & olfactory function: what can they tell us about cognitive ageing?. Stockholm: Karolinska Institutet.

## **Reports**

Wimo A, Handels R, Elmståh S, Fagerström C, Fratiglioni L, Isaksson U, Larsen O, Sanmartin Berglund J, Sjölund B-M, Sköldunger A, Wahlberg M. Informell och fomell vård hos äldre personer i ordinärt– förändringar och samspel över tid 2001-2015 i SNAC projektet. SNAC. 2020

Elmståhl S, Pihlgård M, Sanmartin Berglund J, Fratiglioni L, Wimo A, En prognosmodell för dimensionering av slutenvård särskilt för gruppen över 80 år. 2020; 1-43, VE geriatik, Skånes universitetssjukhus, Malmö. ISBN 978-91-986440-0-5.

Fratiglioni L, Ding M, Santoni G, Berglund J, Elmståhl S, Fagerström C, Lagergren M, Sjölund B-M, Sköldunger A, Welmer A-K, Wimo A. Demensförekomst i Sverige: geografiska och tidsmässiga trender 2001-2013. Resultat från den svenska nationella studien om åldrande, vård och omsorg – SNAC. 2017.

### **Other publications**

Kivipelto M, Mangialasche F, Snyder HM, Allegri R, Andrieu S, Arai H, Baker L, Belleville S, Brodaty H, Brucki SM, Calandri I, Caramelli P, Chen C, Chertkow H, Chew E, Choi SH, Chowdhary N, Crivelli L, Torre R, Du Y, Dua T, Espeland M, Feldman HH, Hartmanis M, Hartmann T, Heffernan M, Henry CJ, Hong CH, Håkansson K, Iwatsubo T, Jeong JH, Jimenez-Maggiora G, Koo EH, Launer LJ, Lehtisalo J, Lopera F, Martínez-Lage P, Martins R, Middleton L, Molinuevo JL, Montero-Odasso M, Moon SY, Morales-Pérez K, Nitrini R, Nygaard HB, Park YK, Peltonen M, Qiu C, Quiroz YT, Raman R, Rao N, Ravindranath V, Rosenberg A, Sakurai T, Salinas RM, Scheltens P, Sevlever G, Soininen H, Sosa AL, Suemoto CK, Tainta-Cuezva M, Velilla L, Wang Y, Whitmer R, Xu X, Bain LJ, Solomon A, Ngandu T, Carrillo MC. (2020). World-Wide FINGERS Network: A global approach to risk reduction and prevention of dementia. *Alzheimers Dement.* 16(7):1078-1094. <https://doi.org/10.1002/alz.12123>.

Liau SJ, Lalic S, Sluggett JK, Cesari M, Onder G, Vetrano DL, Morin L, Hartikainen S, Hamina A, Johnell K, Tan ECK, Visvanathan R, Bell JS (2020). Optimizing Geriatric Pharmacotherapy through Pharmacoepidemiology Network (OPPEN). Medication Management in Frail Older People: Consensus Principles for Clinical Practice, Research, and Education. *J Am Med Dir Assoc*, 12:S1525-8610(20)30371-6. <https://doi.org/10.1016/j.jamda.2020.05.004>.

Marengoni A, Calderón-Larrañaga A. (2020). Health inequalities in ageing: towards a multidimensional lifecourse approach. *Lancet Public Health*, 5(7):e364-e365.

### **The Swedish National study on Aging and Care – Blekinge (SNAC-B)**

Fagerström C, Elmståhl S, Wranner L.S. (2020). Analyzing the situation of older family caregivers with a focus on health-related quality of life and pain: a cross-sectional cohort study. *Health and Quality of Life Outcomes*. 18. 1-10.

Bratt A S, Fagerström C. (2020) Self-compassion in old age: confirmatory factor analysis of the 6-factor model and the internal consistency of the Self-compassion scale-short form. *Aging & Mental Health*, 24(4): 642-648. <https://doi.org/10.1080/13607863.2019.1569588>.

Frisendahl N, Ek S, Rosendahl E, Boström AM, Fagerström C, Elmståhl S, Welmer AK. Predictive Performance of the FIF Screening Tool in 2 Cohorts of Community-Living Older Adults. *J Am Med Dir Assoc*. 2020 Jun 18:S1525-8610(20)30367-4. <https://doi.org/10.1016/j.jamda.2020.04.037>. Online ahead print. PMID:32565276.

Winning L, Polyzois I, Sanmartin Berglund J, Renvert S, Periodontitis and airflow limitation in older Swedish individuals. *J Clin Periodontal*. 2020 Jun;47(6):715-725.

<https://doi.org/10.1111/jcpe.13287>. Epub 2020 Apr 21. PMID: 32246489.

Svard A, Renvert S, Sanmartin Berglund J, Persson RG, Söderlin M, Antibodies to citrullinated peptides in serum and saliva in patients with rheumatoid arthritis and their association to periodontitis. *Clin Exp Rheumatol*. 2020 Jul-Aug;38(4):699 -704. Epub 2019 Nov 16. PMID: 31820729.

Renvert S, Berglund JS, Persson GR, Söderlin MK, The association between rheumatoid arthritis and periodontal disease in a population-based cross-sectional case-control study. *BMC Rheumatol*. 2020 Jul 20; 4:31. <https://doi.org/10.1186/s41927-020-00129-4>. eCollection 2020. PMID: 32699831 Free PMC article.

Elmståhl S, Sanmartin Berglund J, Fagerström C, Ekström H. The Life Satisfaction Index-A (LSI-A): Normative Data for a General Swedish Population Aged 60 to 93 Years. *Clinical Interventions in Aging*, Vol. 15, 2020, p. 2031–2039. <https://doi.org/10.2147/CIA.S27538>.

Christiansen L, Lindberg C, Sanmartin Berglund J, Anderberg P, Skär L. Using Mobile Health and the Impact on Health-Related Quality of Life: Perceptions of Older Adults with Cognitive Impairment. *Int. J. Environ. Res. Public Health* 2020, 17(8), 2650; <https://doi.org/10.3390/ijerph17082650>.

Dallora A L, Minku L, Mendes E, Rennemark M, Anderberg P, Sanmartin Berglund J. Multifactorial 10-Year Prior Diagnosis Prediction Model of Dementia. *Int. J. Environ. Res. Public Health* **2020**, 17(18), 6674. <https://doi.org/10.3390/ijerph17186674>.

## **Thesis**

Machine learning applications in healthcare, Dallora Moraes Ana Luiza, 2020-09-16  
URN: <urn:nbn:se:bth-19513>, ISBN: 978-91-7295-405-2 (tryckt), OAI: oai:DiVA.org:bth-19513, DiVA, id: <diva2:1433037>.

## **Books**

Rennemark, M. Bratt, A.S. (2020). *Psykologiska perspektiv på åldrande och hälsa*. Lund, Studentlitteratur AB.

## **Reports**

Wimo Anders, Handels R, Elmståhl S, Fagerström C, Fratiglioni L, Isaksson U, Larsen O, Sanmartin Berglund J, Fratiglioni L, Sjölund BM, Sköldunger A, Wahlberg M. Informell och formell vård hos äldre personer i ordinärt boende, Förändringar och samspelet över tid 2001–2015 i SNAC projektet.

Elmståhl S, Pihlsgård M, Sanmartin Berglund J, Fratiglioni L, Wimo Anders. En prognosmodell för dimensionering av slutenvård, särskilt boende för gruppen äldre över 80 år.

## The Swedish National study on Aging and Care – Nordanstig (SNAC-N)

Wimo A, Handels R, Winblad B, Black CM, Johansson G, Salomonsson S, Eriksdotter M, Khandker RK. Quantifying and Describing the Natural History and Costs of Alzheimer's Disease and Effects of Hypothetical Interventions. *J Alzheimers Dis*. 2020;75(3):891-902. <https://doi.org/10.3233/JAD-191055>. PMID: 32390617.

Wimo A, Handels R, Elmståhl S, Fagerström C, Fratiglioni L, Isaksson U, Larsen O, Sanmartin Berglund J, Sjölund BM, Sköldunger A, Wahlberg M. Informell och formell vård hos äldre personer i ordinärt boende -- förändringar och samspel över tid 2001-2015 i SNAC projektet. Rapport, SNAC projektet 2021, Nordanstig, Sverige.

## The Swedish Panel Study of Living Conditions of the Oldest Old (SWEOLD)

Baumann, I., Sif Eyjólfssdóttir, H., Fritzell, J., Lennartsson, C., Darin-Mattsson, A., Kåreholt, I., Andel, R., Dratva, J., Agahi, N. (2020) Do cognitively stimulating activities affect the association between retirement timing and cognitive functioning in old age? *Ageing and Society*. doi:10.1017/S0144686X20000847.

Celeste, R. K., Eyjólfssdóttir, H. S., Lennartsson, C., & Fritzell, J. (2020). Socioeconomic Life Course Models and Oral Health: A Longitudinal Analysis. *Journal of Dental Research*, 99(3), 257–263. <https://doi.org/10.1177/0022034520901709>.

Dahlberg, L., McKee, K. J., Fritzell, J., Heap, J., & Lennartsson, C. (2020). Trends and gender associations in social exclusion in older adults in Sweden over two decades. *Archives of Gerontology and Geriatrics*, 89, 104032. <https://doi.org/10.1016/j.archger.2020.104032>.

Fritzell, J., Lennartsson, C., Zaidi A. (2020). Trends and Inequality in the New Active Ageing and Well-Being Index of the Oldest Old: a Case Study of Sweden. *Journal of Population Ageing*, <https://doi.org/10.1007/s12062-020-09264-9>.

Mehmedi, L., Nilsen, C., Kåreholt, I. (In press) Lungfunktion i hög ålder och dess samband med fysisk aktivitet från medelålder upp till hög ålder. Äldre i Centrums vetenskapliga supplement.

Nilsen C, Andel R, Agahi N, Fritzell J, Kåreholt I. (2020). Association between psychosocial working conditions in mid-life and leisure activity in old age. *Scandinavian Journal of Public Health*, <https://doi.org/10.1177/1403494820901404> Published online February 7.

Pandey, N., Darin-Mattson, A., Nilsen, C. (2020). Working conditions mediate the association between social class and physical function in older age in Sweden: a prospective cohort study. *BMC Public Health*. <https://doi.org/10.1186/s12889-020-09431-9>.

Rehnberg, J. (2020). What Levels the Association Between Income and Mortality in Later Life: Age or Health Decline? *The Journals of Gerontology: Series B*, 75(2), 426-435.

Shaw, B. A., Dahlberg, L., Nilsen, C., & Agahi, N. (2020). Trends in the Mortality Risk of Living Alone during Old Age in Sweden, 1992–2011. *Journal of Aging and Health*. <https://doi.org/10.1177/0898264320930452>. Published online ahead of print 23 June 2020.

## **Ageing in Women and Men: A Longitudinal Study of Gender Differences in Health Behaviour and Health among Elderly (GENDER)**

Emery, C., Finkel, D., Gatz, M., & Dahl-Aslan, A. (2020). Evidence of bi-directional associations between depressive symptoms and body mass among older adults. *Journals of Gerontology: Series B*, 75, 1689–1698.

Silventoinen, K., Jelenkovic, A., Sund, R., Latvala, A., Honda, C., Inui, F., ... & Kaprio, J. (2020). Genetic and environmental variation in educational attainment: an individual-based analysis of 28 twin cohorts. *Scientific reports*, 10(1), 1-11.

## **Origins of Variance in the Old-old: Octogenarian Twins (OCTO-Twin)**

Beam, C. R., Kaneshiro, C., Jang, J. Y., Reynolds, C. A., Pedersen, N. L., & Gatz, M. (2020). A Twin Study of Sex Differences in Genetic Risk for All Dementia, Alzheimer's Disease (AD), and Non-AD Dementia. *Journal of Alzheimer's Disease*, 76(2), 539–551. <https://doi.org/10.3233/JAD-191192>.

Emery, C. F., Finkel, D., Gatz, M., & Dahl Aslan, A. K. (2020). Evidence of Bidirectional Associations Between Depressive Symptoms and Body Mass Among Older Adults. *The Journals of Gerontology: Series B*, 75(8), 1689–1698. <https://doi.org/10.1093/geronb/gbz022>.

Muniz-Terrera G, Robitaille A, Goerdten J, Massa F, Johansson B. (2020). Do I lose cognitive function as fast as my twin partner? Analyses based on classes of MMSE trajectories of twins aged 80 and older. *Age and Ageing*. <https://doi.org/10.1093/ageing/afaa239>.

Graham, E. K., Weston, S. J., Gerstorf, D., Yoneda, T. B., Booth, T., Beam, C. R., Petkus, A. J., Drewelies, J., Hall, A. N., Bastarache, E. D., Estabrook, R., Katz, M. J., Turiano, N. A., Lindenberger, U., Smith, J., Wagner, G. G., Pedersen, N. L., Allemand, M., Spiro, A., ... Mroczeck, D. K. (2020). Trajectories of Big Five Personality Traits: A Coordinated Analysis of 16 Longitudinal Samples. *European Journal of Personality*, 34(3), 301–321. <https://doi.org/10.1002/per.2259>.

Hassing, L. B. (2020). Gender Differences in the Association Between Leisure Activity in Adulthood and Cognitive Function in Old Age: A Prospective Longitudinal Population-Based Study. *The Journals of Gerontology: Series B*, 75(1), 11–20. <https://doi.org/10.1093/geronb/gbx170>.

Karlsson, I. K., Lehto, K., Gatz, M., Reynolds, C. A., & Dahl Aslan, A. K. (2020). Age-dependent effects of body mass index across the adult life span on the risk of dementia: A cohort study with a genetic approach. *BMC Medicine*, 18(1), 131. <https://doi.org/10.1186/s12916-020-01600-2>.

Watermeyer, T., Goerdten, J., Johansson, B., & Muniz-Terrera, G. (2020). Cognitive dispersion and ApoEe4 genotype predict dementia diagnosis in 8-year follow-up of the oldest-old. *Age and Ageing*, afaa232. <https://doi.org/10.1093/ageing/afaa232>.

Yoneda, T., Rush, J., Graham, E. K., Berg, A. I., Comijs, H., Katz, M., Lipton, R. B., Johansson, B., Mroczek, D. K., & Piccinin, A. M. (2020). Increases in Neuroticism May Be an Early Indicator of Dementia: A Coordinated Analysis. *The Journals of Gerontology: Series B*, 75(2), 251–262. <https://doi.org/10.1093/geronb/gby034>.