

PUBLICATION LIST NEAR 2023

NEAR Projects*

Peer-reviewed articles

Bjuhr, M., Engström, M., Welmer, A. K., Elmståhl, S., & Sjölund, B. M. (2023). Health and work-related factors as predictors of still being active in working life at age 66 and 72 in a Swedish population: A longitudinal study. *Work (Reading, Mass.)*, 76(4), 1481–1492.

<https://doi.org/10.3233/WOR-220480>

Hvidtfeldt, U.A., Chen, J., Rodopoulou, S., Strak, M., de, Hoogh, K., Andersen, Z.J., Bellander, T., Brandt, J., Forastiere, F., Brynedal, B., Hertel, O., Hoffmann, B., Katsouyanni, K., Ketznel, M., Leander, K., Magnusson, P.K.E., Nagel, G., Pershagen, G., Rizzuto, D., Samoli, E., So, R., Stafoggia, M., Tjønneland, A., Weinmayr, G., Wolf, K., Zitt, E., Brunekreef, B., Hoek, G., & Raaschou-Nielsen, O. (2023). Multiple myeloma risk in relation to long-term air pollution exposure - A pooled analysis of four European cohorts. *Environmental research*, 239(Pt 1), 117230.

<https://doi.org/10.1016/j.envres.2023.117230>

Hvidtfeldt, U.A., Chen, J., Rodopoulou, S., Strak, M., de, Hoogh, K., Andersen, Z.J., Bellander, T., Brandt, J., Fecht, D., Forastiere, F., Gulliver, J., Hertel, O., Hoffmann, B.H., Katsouyanni, K., Ketznel, M., Brynedal, B., Leander, K., Ljungman, P.L.S., Magnusson, P.K.E., Nagel, G., Pershagen, G., Rizzuto, D., Boutron-Ruault, M.C., Samoli, E., So, R., Stafoggia, M., Tjønneland, A., Vermeulen, R., Verschuren, W.M.M., Weinmayr, G., Wolf, K., Zhang, J., Zitt, E., Brunekreef, B., Hoek, G., & Raaschou-Nielsen, O. (2023). Breast Cancer Incidence in Relation to Long-Term Low-Level Exposure to Air Pollution in the ELAPSE Pooled Cohort. *Cancer epidemiology, biomarkers & prevention : a publication of the American Association for Cancer Research, cosponsored by the American Society of Preventive Oncology*, 32(1), 105–113. <https://doi.org/10.1158/1055-9965.EPI-22-0720>

Hvidtfeldt, U.A., Chen, J., Rodopoulou, S., Strak, M., de, Hoogh, K., Andersen, Z.J., Bellander, T., Brandt, J., Fecht, D., Forastiere, F., Gulliver, J., Hertel, O., Hoffmann, B., Katsouyanni, K., Ketznel, M., Leander, K., Magnusson, P.K.E., Nagel, G., Pershagen, G., Rizzuto, D., Samoli, E., So, R., Stafoggia, M., Tjønneland, A., Weinmayr, G., Wolf, K., Zhang, J., Zitt, E., Brunekreef, B., Hoek, G., & Raaschou-Nielsen, O. (2023). Long-term air pollution exposure and malignant intracranial tumours of the central nervous system: a pooled analysis of six European cohorts. *British Journal of Cancer*, 129, 656–664. <https://doi.org/10.1038/s41416-023-02348-1>

Javeed, A., Berglund, J. S., Dallora, A. L., Saleem, M. A., & Anderberg, P. (2023). Predictive power of XGBoost_BiLSTM model: A machine-learning approach for accurate sleep apnea detection using electronic health data. *International Journal of Computational Intelligence Systems*, 16(1). doi:10.1007/s44196-023-00362-y

Javeed, A., Dallora, A. L., Berglund, J. S., Anderberg, P. (2023). Empowering dementia diagnosis: a machine learning- driven automated system. *International Journal of Advances in Engineering & Technology*. 11. 53-58. ISSN(p): 2321 –8991, ISSN(e): 2321 -9009, Volume-11, Issue-3, July-2023, <http://Iraj.in>

Jang, J. Y., Beam, C. R., Karlsson, I. K., Pedersen, N. L., & Gatz, M. (2023). Dementia and mortality in older adults: A twin study. *Alzheimer's & Dementia*. <https://doi.org/10.1002/alz.13553>

Ler, P., Ploner, A., Finkel, D., Reynolds, C. A., Zhan, Y., Jylhävä, J., Dahl Aslan, A.K., & Karlsson,

- I. K. (2023). Interplay of body mass index and metabolic syndrome: association with physiological age from midlife to late-life. *GeroScience*, 1-13. <https://doi.org/10.1007/s11357-023-01032-9>
- Luczak, S.E., Beam, C.R., Pahlen, S., Lynch, M., Pilgrim, M., Reynolds, C.A., Panizzon, M.S., Catts, V.S., Christensen, K., Finkel, D., Franz, C.E., Kremen, W.S., Lee, T., McGue, M., Nygaard, M., Plassman, B.L., Whitfield, K.E., Pedersen, N.L., Gatz, M.; & IGEMS Consortium. (2023). Remember this: Age moderation of genetic and environmental contributions to verbal episodic memory from midlife through late adulthood. *Intelligence*, 99, 101759. <https://doi.org/10.1016/j.intell.2023.101759>
- Mak, J. K., Kuja-Halkola, R., Bai, G., Hassing, L. B., Pedersen, N. L., Hägg, S., Jylhävä, J. & Reynolds, C. A. (2023). Genetic and environmental influences on longitudinal frailty trajectories from adulthood into old age. *The Journals of Gerontology: Series A*, 78(2), 333-341. <https://doi.org/10.1093/gerona/glac197>
- Ojalehto, E., Zhan, Y., Jylhävä, J., Reynolds, C. A., Aslan, A. K. D., & Karlsson, I. K. (2023). Genetically and environmentally predicted obesity in relation to cardiovascular disease: a nationwide cohort study. *EClinicalMedicine*, 58. <https://doi.org/10.1016/j.eclinm.2023.101943>
- Overton, M., Skoog, J., Laukka, E. J., Bodin, T. H., Darin Mattsson, A., Sjöberg, L., Hofer, S. M., Johansson, L., Kulmala, J., Kivipelto, M., Solomon, A., Skoog, I., Kåreholt, I., & Sindi, S. (2023). Sleep disturbances and change in multiple cognitive domains among older adults: A multicentre study of five Nordic cohorts. *Sleep*, zsad244. Advance online publication. <https://doi.org/10.1093/sleep/zsad244>
- Pyko, A., Roswall, N., Ögren, M., Oudin, A., Rosengren, A., Eriksson, C., Segersson, D., Rizzuto, D., Andersson, E.M., Aasvang, G.M., Engström, G., Gudjonsdottir, H., Jørgensen, J.T., Selander, J., Christensen, J.H., Brandt, J., Leander, K., Overvad, K., Eneroth, K., Mattisson, K., Barregard, L., Stockfelt, L., Albin, M., Simonsen, M.K., Tiittanen, P., Molnar, P., Ljungman, P., Solvang, Jensen, S., Gustafsson, S., Lanki, T., Lim, Y.H., Andersen, Z.J., Sørensen, M., & Pershagen, G. (2023). Long-Term Exposure to Transportation Noise and Ischemic Heart Disease: A Pooled Analysis of Nine Scandinavian Cohorts. *Environmental health perspectives*, 131(1), 17003. <https://doi.org/10.1289/EHP10745>
- Roswall, N., Thacher, J.D., Ögren, M., Pyko, A., Åkesson, A., Oudin, A., Tjønneland, A., Rosengren, A., Poulsen, A.H., Eriksson, C., Segersson, D., Rizzuto, D., Helte, E., Andersson, E.M., Aasvang, G.M., Gudjonsdottir, H., Khan, J., Selander, J., Christensen, J.H., Brandt, J., Leander, K., Mattisson, K., Eneroth, K., Stucki, L., Barregard, L., Stockfelt, L., Albin, M., Simonsen, M.K., Spanne, M., Jousilahti, P., Tiittanen, P., Molnár, P., Ljungman, P.L.S., Yli-Tuomi, T., Cole-Hunter, T., Lanki, T., Hvidtfeldt, U.A., Lim, Y.H., Andersen, Z.J., Pershagen, G., & Sørensen, M. (2023). Long-term exposure to traffic noise and risk of incident colon cancer: A pooled study of eleven Nordic cohorts. *Environmental research*, 224, 115454. <https://doi.org/10.1016/j.envres.2023.115454>
- Wimo, A., Seeher, K., Cataldi, R., Cyhlarova, E., Dielemann, J. L., Frisell, O., Guerchet, M., Jönsson, L., Malaha, A. K., Nichols, E., Pedroza, P., Prince, M., Knapp, M., & Dua, T. (2023). The worldwide costs of dementia in 2019. *Alzheimer's & dementia: the journal of the Alzheimer's Association*, 19(7), 2865–2873. <https://doi.org/10.1002/alz.12901>

Thesis

Bjuhr, M (2023). Being active at working life at older ages. Doctoral Thesis. Gävle: University of Gävle.

Frisendahl, N. (2023). Injurious falls in older adults: early identification of individuals at risk of falls—from observational studies to implementation. *Doctoral Thesis*. Stockholm: Karolinska Institutet.

Mak, J.K (2023). Genetics and biomarkers of frailty: towards individualized management of the frailty syndrome. *Doctoral Thesis*. Stockholm: Karolinska Institutet

Bai, G (2023). Epidemiological studies on frailty and its associations with mortality, dementia, and polypharmacy. *Doctoral Thesis*. Stockholm: Karolinska Institutet

Report

Frisell O, Jönsson L, Wimo A (2023). Demenssjukdomarnas samhällskostnader i Sverige 2019. *Innovationsmiljö för demensprevention, PREDEM och Karolinska Institutet*.

https://www.demenscentrum.se/sites/default/files/dokument/FORSKNING/demenssjukd_samhallskostn_2019.pdf

**Using two or more databases included in NEAR.*

Publications by the local NEAR databases

The BETULA Project

Peer-reviewed articles

Andersson, J., Sundström, A., Nordin, M., Segersson, D., Forsberg, B., Adolfsson, R., & Oudin, A. (2023). PM 2.5 and Dementia in a Low Exposure Setting: The Influence of Odor Identification Ability and APOE. *Journal of Alzheimer's Disease*, 92(2), 679–689. <https://doi.org/10.3233/JAD-220469>

Binnewies, J., Nawijn, L., Brandmaier, A. M., Baaré, W. F. C., Boraxbekk, C.-J., Demnitz, N., Drevon, C. A., Fjell, A. M., Lindenberger, U., Madsen, K. S., Nyberg, L., Topiwala, A., Walhovd, K. B., Ebmeier, K. P., & Penninx, B. W. J. H. (2023). Lifestyle-related risk factors and their cumulative associations with hippocampal and total grey matter volume across the adult lifespan: A pooled analysis in the European Lifebrain consortium. *Brain Research Bulletin*, 200, 110692. <https://doi.org/10.1016/j.brainresbull.2023.110692>

Cedres, N., Aejmelaus-Lindström, A., Ekström, I., Nordin, S., Li, X., Persson, J., & Olofsson, J. K. (2023). Subjective Impairments in Olfaction and Cognition Predict Dissociated Behavioral Outcomes. *The Journals of Gerontology: Series B*, 78(1), 1–9. <https://doi.org/10.1093/GERONB/GBAC124>

Fjell, A.M., Sørensen, Ø., Wang, Y., Amlie, I.K., Baaré, W.F.C., Bartrés-Faz, D., Bertram, L., Boraxbekk, C.J., Brandmaier, A.M., Demuth, I., Drevon, C.A., Ebmeier, K.P., Ghisletta, P., Kievit, R., Kühn, S., Madsen, K.S., Mowinckel, A.M., Nyberg, L., Sexton, C.E., Solé-Padullés, C., Vidal-Piñero, D., Wagner, G., Watne, L.O., & Walhovd, K.B. (2023). No phenotypic or genotypic evidence for a link between sleep duration and brain atrophy. *Nature Human Behaviour* 2023 7:11, 7(11), 2008–2022. <https://doi.org/10.1038/s41562-023-01707-5>

Fjell, A.M., Sørensen, Ø., Wang, Y., Amlie, I.K., Baaré, W.F.C., Bartrés-Faz, D., Boraxbekk, C.J., Brandmaier, A.M., Demuth, I., Drevon, C.A., Ebmeier, K.P., Ghisletta, P., Kievit, R., Kühn, S., Madsen, K.S., Nyberg, L., Solé-Padullés, C., Vidal-Piñero, D., Wagner, G., Watne, L.O., & Walhovd, K.B. (2023). Is Short Sleep Bad for the Brain? Brain Structure and Cognitive Function in Short Sleepers. *Journal of Neuroscience*, 43(28), 5241–5250. <https://doi.org/10.1523/JNEUROSCI.2330-22.2023>

Håglin, S., Koch, E., Schäfer Hackenhaar, F., Nyberg, L., & Kauppi, K. (2023). APOE ε4, but not polygenic Alzheimer's disease risk, is related to longitudinal decrease in hippocampal brain activity in non-demented individuals. *Scientific Reports* 2023 13:1, 13(1), 1–9. <https://doi.org/10.1038/s41598-023-35316-z>

Josefsson, M., Daniels, M. J., & Pudas, S. (2023). A Bayesian semiparametric approach for inference on the population partly conditional mean from longitudinal data with dropout. *Biostatistics (Oxford, England)*, 24(2), 372–387. <https://doi.org/10.1093/biostatistics/kxab012>

Josefsson, M., Sundström, A., Pudas, S., Nordin Adolfsson, A., Nyberg, L., & Adolfsson, R. (2023). Memory profiles predict dementia over 23–28 years in normal but not successful aging. *International Psychogeriatrics*, 35(7), 351–359. <https://doi.org/10.1017/S1041610219001844>

Li, X., Salami, A., & Persson, J. (2023). Hub architecture of the human structural connectome: Links to aging and processing speed. *NeuroImage*, 278, 120270. <https://doi.org/10.1016/J.NEUROIMAGE.2023.120270>

Lövdén, M., Pagin, A., Bartrés-Faz, D., Boraxbekk, C.J., Brandmaier, A.M., Demnitz, N., Drevon, C.A., Ebmeier, K.P., Fjell, A.M., Ghisletta, P., Gorbach, T., Lindenberger, U., Plachti, A., Walhovd, K.B., & Nyberg, L. (2023). No moderating influence of education on the association between changes in hippocampus volume and memory performance in aging. *Aging Brain*, 4. Published. <https://doi.org/10.1016/j.nbas.2023.100082>

Noroozian, M., Kormi-Nouri, R., Nyberg, L., & Persson, J. (2023). Hippocampal and motor regions contribute to memory benefits after enacted encoding: cross-sectional and longitudinal evidence. *Cerebral Cortex*, 33(6), 3080–3097. <https://doi.org/10.1093/CERCOR/BHAC262>

Nyberg, L., Andersson, M., & Lundquist, A. (2023). Longitudinal change-change associations of cognition with cortical thickness and surface area. *Aging Brain*, 3, 100070. <https://doi.org/10.1016/j.nbas.2023.100070>

Nyberg, L., Andersson, M., Lundquist, A., Baaré, W.F.C., Bartrés-Faz, D., Bertram, L., Boraxbekk, C.J., Brandmaier, A.M., Demnitz, N., Drevon, C.A., Duezel, S., Ebmeier, K.P., Ghisletta, P., Henson, R., Jensen, D.E.A., Kievit, R.A., Knights, E., Kühn, S., Lindenberger, U., Plachti, A., Pudas, S., Roe, J.M., Madsen, K.S., Solé-Padullés, C., Sommerer, Y., Suri, S., Zsoldos, E., Fjell, A.M., & Walhovd, K.B. (2023). Individual differences in brain aging: heterogeneity in cortico-hippocampal but not caudate atrophy rates. *Cerebral Cortex*, 33(9), 5075–5081. <https://doi.org/10.1093/cercor/bhac400>

Schäfer Hackenhaar, F., Josefsson, M., Nordin Adolfsson, A., Landfors, M., Kauppi, K., Porter, T., Milicic, L., Laws, S. M., Hultdin, M., Adolfsson, R., Degerman, S., & Pudas, S. (2023). Sixteen-Year Longitudinal Evaluation of Blood-Based DNA Methylation Biomarkers for Early Prediction of Alzheimer's Disease. *Journal of Alzheimer's Disease*, 94(4), 1443–1464. <https://doi.org/10.3233/JAD-230039>

Vaisvilaite, L., Andersson, M., Salami, A., & Specht, K. (2023). Time of day dependent longitudinal changes in resting-state fMRI. *Frontiers in Neurology*, 14. <https://doi.org/10.3389/FNEUR.2023.1166200>

Thesis

Pedersen, R. (2023). The architecture of the aging brain: functional reorganization, structural changes, and the role of dopamine receptors. *Doctoral Thesis*. Umeå: Umeå University.

Andersson, J. (2023). Air pollution and dementia in a low exposure setting: the role of noise, olfaction, and the apoe gene. *Doctoral Thesis*. Umeå: Umeå University.

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

Peer-reviewed articles

Ahlner, F., Erhag, H. F., Johansson, L., Samuelsson, J., Wetterberg, H., Fässberg, M. M., Waern, M., & Skoog, I. (2023). The effect of alcohol consumption on all-cause mortality in 70-year-olds in the context of other lifestyle risk factors: results from the Gothenburg H70 birth cohort study. *BMC geriatrics*, 23(1), 523. <https://doi.org/10.1186/s12877-023-04227-z>

Altomare, D., Barkhof, F., Caprioglio, C., Collij, L. E., Scheltens, P., Lopes Alves, I., Bouwman, F., Berkhof, J., van Maurik, I. S., Garibotto, V., Moro, C., Delrieu, J., Payoux, P., Saint-Aubert, L., Hitzel, A., Molinuevo, J. L., Grau-Rivera, O., Gispert, J. D., Drzezga, A., Jessen, F., ... Amyloid Imaging to Prevent Alzheimer's Disease (AMYPAD) Consortium (2023). Clinical Effect of Early vs Late Amyloid Positron Emission Tomography in Memory Clinic Patients: The AMYPAD-DPMS Randomized Clinical Trial. *JAMA neurology*, 80(6), 548–557. <https://doi.org/10.1001/jamaneurol.2023.0997>.

Arvidsson Rådestig, M., Skoog, I., Skillbäck, T., Zetterberg, H., Kern, J., Zettergren, A., Andreasson, U., Wetterberg, H., Kern, S., & Blennow, K. (2023). Cerebrospinal fluid biomarkers of axonal and synaptic degeneration in a population-based sample. *Alzheimer's research & therapy*, 15(1), 44. <https://doi.org/10.1186/s13195-023-01193-x>

Borda, M. G., Duque, G., Pérez-Zepeda, M. U., Baldera, J. P., Westman, E., Zettergren, A., Samuelsson, J., Kern, S., Rydén, L., Skoog, I., & Aarsland, D. (2023). Using magnetic resonance imaging to measure head muscles: An innovative method to opportunistically determine muscle mass and detect sarcopenia. *Journal of cachexia, sarcopenia and muscle*, 10.1002/jcsm.13362. Advance online publication. <https://doi.org/10.1002/jcsm.13362>

Caprioglio, C., Ribaldi, F., Visser, L. N. C., Minguillon, C., Collij, L. E., Grau-Rivera, O., Zeyen, P., Molinuevo, J. L., Gispert, J. D., Garibotto, V., Moro, C., Walker, Z., Edison, P., Demonet, J. F., Barkhof, F., Scheltens, P., Alves, I. L., Gismondi, R., Farrar, G., Stephens, A. W., ... AMYPAD consortium (2023). Analysis of Psychological Symptoms Following Disclosure of Amyloid-Positron Emission Tomography Imaging Results to Adults With Subjective Cognitive Decline. *JAMA network open*, 6(1), e2250921. <https://doi.org/10.1001/jamanetworkopen.2022.50921>

Dittrich, A., Ashton, N. J., Zetterberg, H., Blennow, K., Zettergren, A., Simrén, J., Skillbäck, T., Shams, S., Machado, A., Westman, E., Schöll, M., Skoog, I., & Kern, S. (2023). Association of Chronic Kidney Disease With Plasma NfL and Other Biomarkers of Neurodegeneration: The H70 Birth Cohort Study in Gothenburg. *Neurology*, 101(3), e277–e288. <https://doi.org/10.1212/WNL.0000000000207419>

Dörr, F., Schäfer, S., Öhman, F., Linz, N., Bodin, T. H., Skoog, J., Zettergren, A., Kern, S., Skoog, I., & Tröger, J. (2023). Dissociating memory and executive function impairment through temporal features in a word list verbal learning task. *Neuropsychologia*, 189, 108679. <https://doi.org/10.1016/j.neuropsychologia.2023.108679>

- Falk Erhag, H., Ahlner, F., Wetterberg, H., Mellqvist Fässberg, M., & Skoog, I. (2023). Alcohol use and drinking patterns in Swedish 85 year olds born three decades apart - findings from the Gothenburg H70 study. *Age and ageing*, 52(3), afad041. <https://doi.org/10.1093/ageing/afad041>
- Gong, J., Harris, K., Lipnicki, D. M., Castro-Costa, E., Lima-Costa, M. F., Diniz, B. S., Xiao, S., Lipton, R. B., Katz, M. J., Wang, C., Preux, P. M., Guerchet, M., Gbessemehlan, A., Ritchie, K., Ancelin, M. L., Skoog, I., Najar, J., Sterner, T. R., Scarmeas, N., Yannakoulia, M., ... Cohort Studies of Memory in an International Consortium (COSMIC) (2023). Sex differences in dementia risk and risk factors: Individual-participant data analysis using 21 cohorts across six continents from the COSMIC consortium. *Alzheimer's & dementia : the journal of the Alzheimer's Association*, 19(8), 3365–3378. <https://doi.org/10.1002/alz.12962>
- Göthberg, H., Skoog, I., Tengstrand, T., Magnusson, L., Hoff, M., Rosenhall, U., & Sadeghi, A. (2023). Pathophysiological and Clinical Aspects of Hearing Loss Among 85-Year-Olds. *American journal of audiology*, 32(2), 440–452. https://doi.org/10.1044/2023_AJA-22-00214
- Hoff, M., Göthberg, H., Tengstrand, T., Rosenhall, U., Skoog, I., & Sadeghi, A. (2023). Accuracy of automated pure-tone audiometry in population-based samples of older adults. *International journal of audiology*, 1–9. Advance online publication. <https://doi.org/10.1080/14992027.2023.2220909>
- Hoff, M., Skoog, J., Bodin, T. H., Tengstrand, T., Rosenhall, U., Skoog, I., & Sadeghi, A. (2023). Hearing Loss and Cognitive Function in Early Old Age: Comparing Subjective and Objective Hearing Measures. *Gerontology*, 69(6), 694–705. <https://doi.org/10.1159/000527930>
- Jeppsson A, Sandelius Å, Zettergren A, Kern S, Skoog I, Blennow K, Zetterberg H, Wikkelso C, Hellström P, Tullberg M. (2023). [Plasma and cerebrospinal fluid concentrations of neurofilament light protein correlate in patients with idiopathic normal pressure hydrocephalus](https://doi.org/10.1186/s12987-023-00455-y). *Fluids Barriers CNS*. 2023 Jul 6;20(1):54. doi: 10.1186/s12987-023-00455-y.
- Johansson, L. H., Kalaboukhova, L., Erhag, H. F., Skoog, I., & Zetterberg, M. (2023). Vision-related quality of life among 70-year-olds diagnosed with glaucoma. *Acta ophthalmologica*, 10.1111/aos.15737. Advance online publication. <https://doi.org/10.1111/aos.15737>
- Johansson, L. H., Kalaboukhova, L., Erhag, H. F., Skoog, I., & Zetterberg, M. (2023). The prevalence of glaucoma in a 70-year-old Swedish population in the city area of Gothenburg. *Acta ophthalmologica*, 10.1111/aos.15734. Advance online publication. <https://doi.org/10.1111/aos.15734>
- Johansson, L., Guo, X., Sacuiu, S., Fässberg, M. M., Kern, S., Zettergren, A., & Skoog, I. (2023). Longstanding smoking associated with frontal brain lobe atrophy: a 32-year follow-up study in women. *BMJ open*, 13(10), e072803. <https://doi.org/10.1136/bmjopen-2023-072803>
- Jonson, M., Sigström, R., Hedna, K., Rydberg Sterner, T., Falk Erhag, H., Wetterberg, H., Fässberg, M. M., Waern, M., & Skoog, I. (2023). Time trends in depression prevalence among Swedish 85-year-olds: repeated cross-sectional population-based studies in 1986, 2008, and 2015. *Psychological medicine*, 53(6), 2456–2465. <https://doi.org/10.1017/S0033291721004335>
- Jonson, M., Sigström, R., Van Orden, K. A., Fässberg, M. M., Skoog, I., & Waern, M. (2023). Life-Weariness, Wish to Die, Active Suicidal Ideation, and All-Cause Mortality in Population-Based Samples of Older Adults. *The American journal of geriatric psychiatry : official journal of the American Association for Geriatric Psychiatry*, 31(4), 267–276. <https://doi.org/10.1016/j.jagp.2022.10.003>

Leung, Y., Barzilai, N., Batko-Szwaczka, A., Beker, N., Boerner, K., Brayne, C., Brodaty, H., Cheung, K. S., Corrada, M. M., Crawford, J. D., Galbusera, A. A., Gondo, Y., Holstege, H., Hulsman, M., Ishioka, Y. L., Jopp, D., Kawas, C. H., Kaye, J., Kochan, N. A., Lau, B. H., ... Sachdev, P. (2023). Cognition, function, and prevalent dementia in centenarians and near-centenarians: An individual participant data (IPD) meta-analysis of 18 studies. *Alzheimer's & dementia : the journal of the Alzheimer's Association*, 19(6), 2265–2275.

<https://doi.org/10.1002/alz.12828>

Le Guen, Y., Luo, G., Ambati, A., Damotte, V., Jansen, I., Yu, E., Nicolas, A., de Rojas, I., Peixoto Leal, T., Miyashita, A., Bellenguez, C., Lian, M. M., Parveen, K., Morizono, T., Park, H., Grenier-Boley, B., Naito, T., Küçükali, F., Talyansky, S. D., Yogeshwar, S. M., ... Mignot, E. (2023). Multiancestry analysis of the HLA locus in Alzheimer's and Parkinson's diseases uncovers a shared adaptive immune response mediated by HLA-DRB1*04 subtypes. *Proceedings of the National Academy of Sciences of the United States of America*, 120(36), e2302720120.

<https://doi.org/10.1073/pnas.2302720120>

Lennon, M. J., Lam, B. C. P., Lipnicki, D. M., Crawford, J. D., Peters, R., Schutte, A. E., Brodaty, H., Thalamuthu, A., Rydberg-Sterner, T., Najar, J., Skoog, I., Riedel-Heller, S. G., Röhr, S., Pabst, A., Lobo, A., De-la-Cámara, C., Lobo, E., Bello, T., Gureje, O., Ojagbemi, A., ... Sachdev, P. S. S. (2023). Use of Antihypertensives, Blood Pressure, and Estimated Risk of Dementia in Late Life: An Individual Participant Data Meta-Analysis. *JAMA network open*, 6(9), e2333353.

<https://doi.org/10.1001/jamanetworkopen.2023.33353>

Lin, K., Wen, W., Lipnicki, D. M., Mewton, L., Chen, R., Du, J., Wang, D., Skoog, I., Sterner, T. R., Najar, J., Kim, K. W., Han, J. W., Kim, J. S., Ng, T. P., Ho, R., Chua, D. Q. L., Anstey, K. J., Cherbuin, N., Mortby, M. E., Brodaty, H., ... Cohort Studies of Memory in an International Consortium (COSMIC) (2023). Risk factors and cognitive correlates of white matter hyperintensities in ethnically diverse populations without dementia: the COSMIC consortium. *medRxiv : the preprint server for health sciences*, 2023.08.30.23294876. <https://doi.org/10.1101/2023.08.30.23294876>

Lindberg, O., Ahlner, F., Tsevis, T., Pereira, J. B., Westman, E., Skoog, I., & Wahlund, L. O. (2023). Effects of current alcohol use on brain volume among older adults in the Gothenburg H70 Birth Cohort study 2014-16. *European archives of psychiatry and clinical neuroscience*, 10.1007/s00406-023-01691-x. Advance online publication. <https://doi.org/10.1007/s00406-023-01691-x>

Mahalingam, G., Samtani, S., Lam, B. C. P., Lipnicki, D. M., Lima-Costa, M. F., Blay, S. L., Castro-Costa, E., Shifu, X., Guerchet, M., Preux, P. M., Gbessemehlan, A., Skoog, I., Najar, J., Sterner, T. R., Scarmeas, N., Yannakoulia, M., Dardiotis, T., Kim, K. W., Riedel-Heller, S., Röhr, S., ... SHARED consortium for the Cohort Studies of Memory in an International Consortium (COSMIC) (2023). Social connections and risk of incident mild cognitive impairment, dementia, and mortality in 13 longitudinal cohort studies of ageing. *Alzheimer's & dementia : the journal of the Alzheimer's Association*, 19(11), 5114–5128. <https://doi.org/10.1002/alz.13072>

Meda, F. J., Knowles, K., Swift, I. J., Sogorb-Esteve, A., Rohrer, J. D., Dittrich, A., Skoog, I., Kern, S., Becker, B., Blennow, K., Andreasson, U., Kvartsberg, H., & Zetterberg, H. (2023). Neurofilament light oligomers in neurodegenerative diseases: quantification by homogeneous immunoassay in cerebrospinal fluid. *BMJ neurology open*, 5(1), e000395. <https://doi.org/10.1136/bmjno-2022-000395>

- Montoliu-Gaya, L., Benedet, A. L., Tissot, C., Vrillon, A., Ashton, N. J., Brum, W. S., Lantero-Rodriguez, J., Stevenson, J., Nilsson, J., Sauer, M., Rahmouni, N., Brinkmalm, G., Lussier, F. Z., Pascoal, T. A., Skoog, I., Kern, S., Zetterberg, H., Paquet, C., Gobom, J., Rosa-Neto, P., ... Blennow, K. (2023). Mass spectrometric simultaneous quantification of tau species in plasma shows differential associations with amyloid and tau pathologies. *Nature aging*, 3(6), 661–669. <https://doi.org/10.1038/s43587-023-00405-1>
- Najar, J., Thorvaldsson, V., Kern, S., Skoog, J., Waern, M., Zetterberg, H., Blennow, K., Skoog, I., & Zettergren, A. (2023). Polygenic risk scores for Alzheimer's disease in relation to cognitive change: A representative sample from the general population followed over 16 years. *Neurobiology of disease*, 189, 106357. <https://doi.org/10.1016/j.nbd.2023.106357>
- Novak, M., Waern, M., Johansson, L., Zettergren, A., Ryden, L., Wetterberg, H., Sterner, T. R., Fässberg, M. M., Gudmundsson, P., & Skoog, I. (2023). Six-year mortality associated with living alone and loneliness in Swedish men and women born in 1930. *BMC geriatrics*, 23(1), 793. <https://doi.org/10.1186/s12877-023-04503-y>
- Oh, D. J., Bae, J. B., Lipnicki, D. M., Han, J. W., Sachdev, P. S., Kim, T. H., Kwak, K. P., Kim, B. J., Kim, S. G., Kim, J. L., Moon, S. W., Park, J. H., Ryu, S. H., Youn, J. C., Lee, D. Y., Lee, D. W., Lee, S. B., Lee, J. J., Jhoo, J. H., Skoog, I., ... for Cohort Studies of Memory in an International Consortium (COSMIC) (2023). Parental history of dementia and the risk of dementia: A cross-sectional analysis of a global collaborative study. *Psychiatry and clinical neurosciences*, 77(8), 449–456. <https://doi.org/10.1111/pcn.13561>
- Revelas, M., Thalamuthu, A., Zettergren, A., Oldmeadow, C., Najar, J., Seidu, N. M., Armstrong, N. J., Riveros, C., Kwok, J. B., Schofield, P. R., Trollor, J. N., Waern, M., Wright, M. J., Zetterberg, H., Ames, D., Blennow, K., Brodaty, H., Scott, R. J., Skoog, I., Attia, J. R., ... Mather, K. A. (2023). High polygenic risk score for exceptional longevity is associated with a healthy metabolic profile. *GeroScience*, 45(1), 399–413. <https://doi.org/10.1007/s11357-022-00643-y>
- Rydén, L., Wetterberg, H., Ahlner, F., Falk Erhag, H., Gudmundsson, P., Guo, X., Joas, E., Johansson, L., Kern, S., Mellqvist Fässberg, M., Najar, J., Ribbe, M., Rydberg Sterner, T., Sacuiu, S., Samuelsson, J., Sigström, R., Skoog, J., Waern, M., Zettergren, A., & Skoog, I. (2023). Attrition in the Gothenburg H70 birth cohort studies, an 18-year follow-up of the 1930 cohort. *Frontiers in Epidemiology (Online)*, 3. <https://doi.org/10.3389/fepid.2023.1151519>
- Rymo, I., Fässberg, M. M., Kern, S., Zetterberg, H., Skoog, I., Waern, M., & Sacuiu, S. (2023). Mild cognitive impairment is associated with passive suicidal ideation in older adults: A population-based study. *Acta psychiatrica Scandinavica*, 148(1), 91–101. <https://doi.org/10.1111/acps.13549>
- Rådestig, M. A., Skoog, J., Zetterberg, H., Skillbäck, T., Zettergren, A., Sterner, T. R., Fässberg, M. M., Sacuiu, S., Waern, M., Wetterberg, H., Blennow, K., Skoog, I., & Kern, S. (2023). Subtle Differences in Cognition in 70-Year-Olds with Elevated Cerebrospinal Fluid Neurofilament Light and Neurogranin: A H70 Cross-Sectional Study. *Journal of Alzheimer's disease : JAD*, 91(1), 291–303. <https://doi.org/10.3233/JAD-220452>
- Samuelsson, J., Marseglia, A., Lindberg, O., Westman, E., Pereira, J. B., Shams, S., Kern, S., Ahlner, F., Rothenberg, E., Skoog, I., & Zettergren, A. (2023). Associations between dietary patterns and

dementia-related neuroimaging markers. *Alzheimer's & dementia : the journal of the Alzheimer's Association*, 19(10), 4629–4640. <https://doi.org/10.1002/alz.13048>

Schäfer, S., Mallick, E., Schwed, L., König, A., Zhao, J., Linz, N., Bodin, T. H., Skoog, J., Possemis, N., Ter Huurne, D., Zettergren, A., Kern, S., Sacuiu, S., Ramakers, I., Skoog, I., & Tröger, J. (2023). Screening for Mild Cognitive Impairment Using a Machine Learning Classifier and the Remote Speech Biomarker for Cognition: Evidence from Two Clinically Relevant Cohorts. *Journal of Alzheimer's disease: JAD*, 91(3), 1165–1171. <https://doi.org/10.3233/JAD-220762>

Wetterberg, H., Najjar, J., Rydberg Sterner, T., Rydén, L., Falk Erhag, H., Sacuiu, S., Kern, S., Zettergren, A., & Skoog, I. (2023). Decreasing Incidence and Prevalence of Dementia Among Octogenarians: A Population-Based Study on 3 Cohorts Born 30 Years Apart. *The journals of gerontology. Series A, Biological sciences and medical sciences*, 78(6), 1069–1077. <https://doi.org/10.1093/gerona/glad071>

Zettergren, A., Jonson, M., Mellqvist Fässberg, M., Najjar, J., Rydberg Sterner, T., Seidu, N. M., Kern, S., Blennow, K., Zetterberg, H., Skoog, I., & Waern, M. (2023). Passive and active suicidal ideation in a population-based sample of older adults: Associations with polygenic risk scores of relevance for suicidal behavior. *Frontiers in psychiatry*, 14, 1101956. <https://doi.org/10.3389/fpsy.2023.1101956>

Thesis

Ahlner, F. (2023). Alcohol use among older adults: Population perspectives on prevalence, correlates, and consequences of drinking in Swedish 70-year-olds. University of Gothenburg.

Göthberg, H. (2023). Hearing in advanced age Epidemiological, pathophysiological, and diagnostic perspectives from the Gothenburg H70 Birth Cohort Studies. University of Gothenburg.

Jonson, M. (2023). Suicidality and depression in older adults: Prevalence, predictors, and outcomes. University of Gothenburg.

Wetterberg, H. (2023) Epidemiology of dementia: With particular focus on time trends and methodology. University of Gothenburg.

The Swedish Adoption/Twin Study of Aging (SATSA)

Peer-reviewed articles

Karlsson, I. K., Ploner, A., Wang, Y., Gatz, M., Pedersen, N. L., & Hägg, S. (2023). Leukocyte DNA methylation in Alzheimer's disease associated genes: replication of findings from neuronal cells. *Epigenetics*, 18(1), 2158285. <https://doi.org/10.1080/15592294.2022.2158285>

Ler, P., Ojalehto, E., Zhan, Y., Finkel, D., Dahl Aslan, A. K., & Karlsson, I. K. (2023). Conversions between metabolically unhealthy and healthy obesity from midlife to late-life. *International Journal of Obesity*, 1-4. <https://doi.org/10.1038/s41366-023-01425-y>

Mak, J. K. L., Karlsson, I. K., Tang, B., Wang, Y., Pedersen, N. L., Hägg, S., Jylhävä, J., & Reynolds, C. A. (2023). Temporal dynamics of epigenetic aging and frailty from midlife to old age. *The Journals of Gerontology: Series A*, glad251. <https://doi.org/10.1093/gerona/glad251>

McMurrin, C. E., Wang, Y., Mak, J. K., Karlsson, I. K., Tang, B., Ploner, A., Pedersen, N. L., & Hägg, S. (2023). Advanced biological ageing predicts future risk for neurological diagnoses and clinical examination findings. *Brain*, 146(12), 4891-4902. <https://doi.org/10.1093/brain/awad252>

Phillips, D. M., Finkel, D., Petkus, A. J., Muñoz, E., Pahlen, S., Johnson, W., Reynolds, C. A., & Pedersen, N. (2023). Longitudinal analyses indicate bidirectional associations between loneliness and health. *Aging & Mental Health*, 27(6), 1217-1225. <https://doi.org/10.1080/13607863.2022.2087210>

Pilgrim, M. J., Finkel, D., & Beam, C. R. (2023). The association between change and stability in subjective health ratings and dementia risk: a multi-cohort study in Swedish and Danish twins. *Alzheimer's & Dementia*, 19, e077139. <https://doi.org/10.1002/alz.077139>

Richards, G., & Segal, N. L. (2023). Handedness in twins reared apart: A review of the literature and new data. *Neuropsychologia*, 108523. <https://doi.org/10.1016/j.neuropsychologia.2023.108523>

Tang, B., Li, X., Wang, Y., Sjölander, A., Johnell, K., Thambisetty, M., Ferrucci, L., Reynolds, C. A., Finkel, D., Jylhävä, J., Pedersen, N. L., & Hägg, S. (2023). Longitudinal associations between use of antihypertensive, antidiabetic, and lipid-lowering medications and biological aging. *GeroScience*, 1-14. <https://doi.org/10.1007/s11357-023-00784-8>

Wennberg, A. M., Yin, W., Fang, F., Pedersen, N. L., Hägg, S., Jylhävä, J., & Modig, K. (2023). Comparison of two different frailty scales in the longitudinal Swedish Adoption/Twin Study of Aging (SATSA). *Scandinavian Journal of Public Health*, 51(4), 587-594. <https://doi.org/10.1177/140349482111059958>

Willroth, E. C., Luo, J., Atherton, O. E., Weston, S. J., Drewelies, J., Batterham, P. J., Condon, D. M., Gerstorf, D., Huisman, M., Spiro, A. III, Mroczek, D. K., & Graham, E. K. (2023). Personality traits and health care use: A coordinated analysis of 15 international samples. *Journal of Personality and Social Psychology*, 125(3), 629-648. <https://doi.org/10.1037/pspp0000465>

Screening Across the Lifespan Twin Study (SALT)

Peer-reviewed articles

Bai G, Wang Y, Mak JKL, Ericsson M, Hägg S, Jylhävä J. (2023). Is Frailty Different in Younger Adults Compared to Old? Prevalence, Characteristics, and Risk Factors of Early-Life and Late-Life Frailty in Samples from Sweden and UK. *Gerontology*, 69(12):1385-1393. <https://doi.org/10.1159/000534131>

Mak, J. K., Kuja-Halkola, R., Wang, Y., Hägg, S., & Jylhävä, J. (2023). Can frailty scores predict the incidence of cancer? Results from two large population-based studies. *GeroScience*, 1-14. <https://doi.org/10.1007/s11357-023-00783-9>

Mak, J. K. L., Kananen, L., Qin, C., Kuja-Halkola, R., Tang, B., Lin, J., Wang, Y., Jääskeläinen, T., Koskinen, S., Lu, Y., Magnusson, P. K. E., Hägg, S., & Jylhävä, J. (2023). Unraveling the metabolic underpinnings of frailty using multicohort observational and Mendelian randomization analyses. *Aging cell*, 22(8), e13868. <https://doi.org/10.1111/accel.13868>

Ojalehto, E., Finkel, D., Russ, T. C., Karlsson, I. K., & Ericsson, M. (2023). Influences of genetically predicted and attained education on geographic mobility and their association with mortality. *Social science & medicine (1982)*, 324, 115882. <https://doi.org/10.1016/j.socscimed.2023.115882>

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

Peer-reviewed articles

Beridze, G., Vetrano, D. L., Marengoni, A., Dai, L., Carrero, J. J., & Calderón-Larrañaga, A. (2023). Concordance and Discrepancies Among 5 Creatinine-Based Equations for Assessing Estimated Glomerular Filtration Rate in Older Adults. *JAMA network open*, 6(3), e234211.

<https://doi.org/10.1001/jamanetworkopen.2023.4211>

Dintica, C. S., Calderón-Larrañaga, A., Vetrano, D. L., & Xu, W. (2023). Association Between Sensory Impairment and Dementia: The Roles of Social Network and Leisure Activity. *Journal of Alzheimer's disease: JAD*, 94(2), 585–595. <https://doi.org/10.3233/JAD-230041>

Dove, A., & Xu, W. (2023). Cardiometabolic multimorbidity and cognitive decline. *The lancet. Healthy longevity*, 4(6), e241–e242. [https://doi.org/10.1016/S2666-7568\(23\)00053-3](https://doi.org/10.1016/S2666-7568(23)00053-3)

European Alzheimer's & Dementia Biobank Mendelian Randomization (EADB-MR) Collaboration, Luo, J., Thomassen, JQ., Bellenguez, C., Grenier-Boley, B., de Rojas, I., Castillo, A., Parveen, K., Küçükali, F., Nicolas, A., Peters, O., Schneider, A., Dichgans, M., Rujescu, D., Scherbaum, N., Jürgen, D., Riedel-Heller, S., Hausner, L., Porcel, LM., Düzel, E., Grimmer, T., Wiltfang, J., Heilmann-Heimbach, S., Moebus, S., Tegos, T., Scarmeas, N., Clarimon, J., Moreno, F., Pérez-Tur, J., Bullido, M.J., Pastor, P., Sánchez-Valle, R., Álvarez, V., Boada, M., García-González, P., Puerta, R., Mir, P., Real, LM., Piñol-Ripoll, G., García-Alberca, J.M., Royo, JL., Rodríguez-Rodríguez, E., Soinen, H., Kuulasmaa, T., de Mendonça, A., Mehrabian, S., Hort, J., Vyhnalek, M., van, der, Lee, S., Graff, C., Papenberg, G., Giedraitis, V., Boland, A., Bacq-Daian, D., Deleuze, JF., Nicolas, G., Dufouil, C., Pasquier, F., Hanon, O., Debette, S., Grünblatt, E., Popp, J., Benussi, L., Galimberti, D., Arosio, B., Mecocci, P., Solfrizzi, V., Parnetti, L., Squassina, A., Tremolizzo, L., Borroni, B., Nacmias, B., Sorbi, S., Caffarra, P., Seripa, D., Rainero, I., Daniele, A., Masullo, C., Spalletta, G., Williams, J., Amouyel, P., Jessen, F., Kehoe, P., Tsolaki, M., Rossi, G., Sánchez-Juan, P., Sleegers, K., Ingelsson, M., Andreassen, O.A., Hiltunen, M., Van, Duijn, C., Sims, R., van, der, Flier, W., Ruiz, A., Ramirez, A., Lambert, JC., & Frikke-Schmidt, R. (2023). Genetic Associations Between Modifiable Risk Factors and Alzheimer Disease. *JAMA network open*, 6(5), e2313734.

<https://doi.org/10.1001/jamanetworkopen.2023.13734>

Frisendahl, N., Ek, S., Rosendahl, E., Franzén, E., Boström, A. M., & Welmer, A. K. (2023). Can the 1-Leg Standing Test Be Replaced by Self-reported Balance in the First-Time Injurious Fall Screening Tool?. *Journal of geriatric physical therapy* (2001), 46(2), 103–109.

<https://doi.org/10.1519/JPT.0000000000000362>

Grande, G., Hooshmand, B., Vetrano, D. L., Smith, D., Refsum, H., Fratiglioni, L., Ljungman, P., Wu, J., Bellavia, A., Eneroth, K., Bellander, T., & Rizzuto, D. (2023). Association of Long-term Exposure to Air Pollution and Dementia Risk: The Role of Homocysteine, Methionine, and Cardiovascular Burden. *Neurology*, 10.1212/WNL.0000000000207656. Advance online publication.

<https://doi.org/10.1212/WNL.0000000000207656>

Grande, G., Vetrano, D. L., Kalpouzos, G., Welmer, A. K., Laukka, E. J., Marseglia, A., Fratiglioni, L., & Rizzuto, D. (2023). Brain Changes and Fast Cognitive and Motor Decline in Older Adults. *The journals of gerontology. Series A, Biological sciences and medical sciences*, 78(2), 326–332.

<https://doi.org/10.1093/gerona/glac177>

Guo, J., Marseglia, A., Shang, Y., Dove, A., Grande, G., Fratiglioni, L., & Xu, W. (2023).

Association Between Late-Life Weight Change and Dementia: A Population-based Cohort Study. *The journals of gerontology. Series A, Biological sciences and medical sciences*, 78(1), 143–150. <https://doi.org/10.1093/gerona/glac157>

Harber-Aschan, L., Darin-Mattsson, A., Fratiglioni, L., Calderón-Larrañaga, A., & Dekhtyar, S. (2023). Socioeconomic differences in older adults' unplanned hospital admissions: the role of health status and social network. *Age and ageing*, 52(4), afac290. <https://doi.org/10.1093/ageing/afac290>

Hendel, M. K., Rizzuto, D., Grande, G., Calderón-Larrañaga, A., Laukka, E. J., Fratiglioni, L., & Vetrano, D. L. (2023). Impact of Pneumonia on Cognitive Aging: A Longitudinal Propensity-Matched Cohort Study. *The journals of gerontology. Series A, Biological sciences and medical sciences*, 78(8), 1453–1460. <https://doi.org/10.1093/gerona/glac253>

Hooshmand, B., Appold, F., Fissler, P., Perneczky, R., Otto, M., Tumani, H., Kivipelto, M., & von Arnim, C. A. F. (2023). Markers of Vitamin B12 Status in Relation to Cerebrospinal Fluid Biomarkers of Alzheimer's Disease and Cognitive Performance. *Annals of neurology*, 94(2), 223–231. <https://doi.org/10.1002/ana.26673>

Imahori, Y., Vetrano, D. L., Ljungman, P., Laukka, E. J., Wu, J., Grande, G., Rizzuto, D., Fratiglioni, L., & Qiu, C. (2023). Association of ischemic heart disease with long-term risk of cognitive decline and dementia: A cohort study. *Alzheimer's & dementia : the journal of the Alzheimer's Association*, 10.1002/alz.13114. Advance online publication. <https://doi.org/10.1002/alz.13114>

Kirvalidze, M., Beridze, G., Wimo, A., Morin, L., & Calderón-Larrañaga, A. (2023). Variability in perceived burden and health trajectories among older caregivers: a population-based study in Sweden. *Journal of epidemiology and community health*, 77(2), 125–132. <https://doi.org/10.1136/jech-2022-219095>

Kootar, S., Huque, M. H., Eramudugolla, R., Rizzuto, D., Carlson, M. C., Odden, M. C., Lopez, O. L., Qiu, C., Fratiglioni, L., Han, S. D., Bennett, D. A., Peters, R., & Anstey, K. J. (2023). Validation of the CogDrisk Instrument as Predictive of Dementia in Four General Community-Dwelling Populations. *The journal of prevention of Alzheimer's disease*, 10(3), 478–487. <https://doi.org/10.14283/jpad.2023.38>

Laukka, E. J., Ekström, I., Larsson, M., Grande, G., Fratiglioni, L., & Rizzuto, D. (2023). Markers of olfactory dysfunction and progression to dementia: A 12-year population-based study. *Alzheimer's & dementia : the journal of the Alzheimer's Association*, 19(7), 3019–3027. <https://doi.org/10.1002/alz.12932>

Li, Y., Kalpouzos, G., Bäckman, L., Qiu, C., & Laukka, E. J. (2023). Association of white matter hyperintensity accumulation with domain-specific cognitive decline: a population-based cohort study. *Neurobiology of aging*, 132, 100–108. <https://doi.org/10.1016/j.neurobiolaging.2023.08.011>

Li, Y., Laukka, E. J., Dekhtyar, S., Papenberg, G., Speh, A., Fratiglioni, L., Kalpouzos, G., & Qiu, C. (2023). Association Between Behavioral, Biological, and Genetic Markers of Cardiovascular Health and MRI Markers of Brain Aging: A Cohort Study. *Neurology*, 100(1), e38–e48. <https://doi.org/10.1212/WNL.0000000000201346>

Maddock, J., Gallo, F., Wolters, F. J., Stafford, J., Marseglia, A., Dekhtyar, S., Lenart-Bugla, M., Verspoor, E., Perry, M., Samtani, S., Vernooij-Dassen, M., Wolf-Ostermann, K., Melis, R., Brodaty, H., Ikram, M. A., Welmer, A. K., Davis, D., Ploubidis, G. B., Richards, M., Patalay, P., & SHARED Consortium (2023). Social health and change in cognitive capability among older adults: findings from four European longitudinal studies. *Gerontology*, 10.1159/000531969. Advance online publication. <https://doi.org/10.1159/000531969>

- Marseglia, A., Kalpouzos, G., Laukka, E. J., Maddock, J., Patalay, P., Wang, H. X., Bäckman, L., Westman, E., Welmer, A. K., Dekhtyar, S., & SHARED Consortium (2023). Social Health and Cognitive Change in Old Age: Role of Brain Reserve. *Annals of neurology*, 93(4), 844–855. <https://doi.org/10.1002/ana.26591>
- Murphy, G. L., Beridze, G., Vetrano, D. L., & Calderón-Larrañaga, A. (2023). Social network and severe lower respiratory tract infections in older adults: findings from a Swedish longitudinal population-based study. *International Society for Infectious Diseases*, 128, 176–183. <https://doi.org/10.1016/j.ijid.2022.12.031>
- Naseer, M., Dahlberg, L., Ehrenberg, A., Schön, P., & Calderón-Larrañaga, A. (2023). The role of social connections and support in the use of emergency care among older adults. *Archives of gerontology and geriatrics*, 111, 105010. <https://doi.org/10.1016/j.archger.2023.105010>
- Olaru, G., Laukka, E. J., Dekhtyar, S., Sarwary, A., & Brehmer, Y. (2023). Association between personality traits, leisure activities, and cognitive levels and decline across 12 years in older adults. *Psychology and aging*, 38(4), 277–290. <https://doi.org/10.1037/pag0000743>
- Raj, R., Hörberg, T., Lindroos, R., Larsson, M., Herman, P., Laukka, E. J., & Olofsson, J. K. (2023). Odor identification errors reveal cognitive aspects of age-associated smell loss. *Cognition*, 236, 105445. <https://doi.org/10.1016/j.cognition.2023.105445>
- Saadeh, M., Xia, X., Verspoor, E., Welmer, A. K., Dekhtyar, S., Vetrano, D. L., Fratiglioni, L., Melis, R. J. F., & Calderón-Larrañaga, A. (2023). Trajectories of Physical Function and Behavioral, Psychological, and Social Well-Being in a Cohort of Swedish Older Adults. *Innovation in aging*, 7(5), igad040. <https://doi.org/10.1093/geroni/igad040>
- Salignon J, Rizzuto D, Calderón-Larrañaga A, Zucchelli A, Fratiglioni L, Riedel CG, Vetrano DL. (2023). Beyond chronological age: a multidimensional approach to survival prediction in older adults. *J Gerontol A Biol Sci Med Sci*, 78(1): 158-166. <https://doi.org/10.1093/gerona/glac186>.
- Scarmeas, N., & Hooshmand, B. (2023). Triglycerides and Cognition: Are All Lipids the Same?. *Neurology*, 101(22), 983–984. <https://doi.org/10.1212/WNL.0000000000208001>
- Tazzeo, C., Rizzuto, D., Calderón-Larrañaga, A., Dekhtyar, S., Zucchelli, A., Xia, X., Fratiglioni, L., & Vetrano, D. L. (2023). Living longer but frailer? Temporal trends in life expectancy and frailty in older Swedish adults. *The journals of gerontology. Series A, Biological sciences and medical sciences*, glad212. Advance online publication. <https://doi.org/10.1093/gerona/glad212>
- Thacher, J.D., Oudin, A., Flanagan, E., Mattisson, K., Albin, M., Roswall, N., Pyko, A., Aasvang, G.M., Andersen, Z.J., Borgquist, S., Brandt, J., Broberg, K., Cole-Hunter, T., Eriksson, C., Eneroth, K., Gudjonsdottir, H., Helte, E., Ketzler, M., Lanki, T., Lim, Y.H., Leander, K., Ljungman, P., Manjer, J., Männistö, S., Raaschou-Nielsen, O., Pershagen, G., Rizzuto, D., Sandsveden, M., Selander, J., Simonsen, M.K., Stucki, L., Spanne, M., Stockfelt, L., Tjønneland, A., Yli-Tuomi, T., Tiittanen, P., Valencia, V.H., Ögren, M., Åkesson, A., & Sørensen, M. (2023). Exposure to long-term source-specific transportation noise and incident breast cancer: A pooled study of eight Nordic cohorts. *Environment international*, 178, 108108. <https://doi.org/10.1016/j.envint.2023.108108>
- Trevisan, C., Grande, G., Reborá, P., Zucchelli, A., Valsecchi, M. G., Focà, E., Ecarnot, F., Marengoni, A., & Bellelli, G. (2023). Early Onset Delirium During Hospitalization Increases In-Hospital and Postdischarge Mortality in COVID-19 Patients: A Multicenter Prospective Study. *The Journal of clinical psychiatry*, 84(5), 22m14565. <https://doi.org/10.4088/JCP.22m14565>
- Triolo, F., Sjöberg, L., Calderón-Larrañaga, A., Belvederi Murri, M., Vetrano, D. L., Fratiglioni, L.,

- & Dekhtyar, S. (2023). Late-life depression and multimorbidity trajectories: the role of symptom complexity and severity. *Age and ageing*, 52(2), afac315. <https://doi.org/10.1093/ageing/afac315>
- Valletta, M., Vetrano, D. L., Xia, X., Rizzuto, D., Roso-Llorach, A., Calderón-Larrañaga, A., Marengoni, A., Laukka, E. J., Canevelli, M., Bruno, G., Fratiglioni, L., & Grande, G. (2023). Multimorbidity patterns and 18-year transitions from normal cognition to dementia and death: A population-based study. *Journal of internal medicine*, 294(3), 326–335. <https://doi.org/10.1111/joim.13683>
- Vetrano, D. L., Zucchelli, A., Onder, G., Fratiglioni, L., Calderón-Larrañaga, A., Marengoni, A., Marconi, E., Cricelli, I., Lora Aprile, P., Bernabei, R., Cricelli, C., & Lapi, F. (2023). Frailty detection among primary care older patients through the Primary Care Frailty Index (PC-FI). *Scientific reports*, 13(1), 3543. <https://doi.org/10.1038/s41598-023-30350-3>
- Welmer, A. K., Frisendahl, N., Beridze, G., Trevisan, C., & Calderón-Larrañaga, A. (2023). Association Between Concerns About Falling and Risk of Injurious Falls in Older Adults: The Role of Balance Impairment. *Journal of the American Medical Directors Association*, S1525-8610(23)00644-8. Advance online publication. <https://doi.org/10.1016/j.jamda.2023.07.015>
- Wu, J., Grande, G., Triolo, F., Pyko, A., Sjöberg, L., Ljungman, P., Eneroth, K., Bellander, T., & Rizzuto, D. (2023). Air pollution, social engagement, and depression in older adults: Results from a Swedish population-based cohort study. *Environmental pollution* (Barking, Essex : 1987), 122394. Advance online publication. <https://doi.org/10.1016/j.envpol.2023.122394>
- Wu J, Xiong Y, Xia X, Orsini N, Qiu C, Kivipelto M, Rizzuto D*, Wang R*. (2023). Can dementia risk be reduced by following the American Heart Association's Life's Simple 7? A systematic review and dose-response meta-analysis. *Ageing Res Rev*, 83: 101788. <https://doi.org/10.1016/j.arr.2022.101788>
- Xia, X., Qiu, C., Rizzuto, D., Fratiglioni, L., Dai, L., Laukka, E. J., Grande, G., & Vetrano, D. L. (2023). Role of Orthostatic Hypotension in the Development of Dementia in People With and Without Cardiovascular Disease. *Hypertension* (Dallas, Tex. : 1979), 80(7), 1474–1483. <https://doi.org/10.1161/HYPERTENSIONAHA.123.21210>
- Xia, X., Qiu, C., Rizzuto, D., Grande, G., Laukka, E. J., Fratiglioni, L., Guo, J., & Vetrano, D. L. (2023). The age-dependent association of Life's Simple 7 with transitions across cognitive states after age 60. *Journal of internal medicine*, 294(2), 191–202. <https://doi.org/10.1111/joim.13657>
- Zhou, R. Z., Vetrano, D. L., Grande, G., Duell, F., Jönsson, L., Laukka, E. J., Fredolini, C., Winblad, B., Tjernberg, L., & Schedin-Weiss, S. (2023). A glycan epitope correlates with tau in serum and predicts progression to Alzheimer's disease in combination with APOE4 allele status. *Alzheimer's & dementia : the journal of the Alzheimer's Association*, 19(7), 3244–3249. <https://doi.org/10.1002/alz.13024>

Thesis

- Li, Y. (2023). Cardiovascular health and brain aging: a population-based MRI study. *Doctoral Thesis*. Stockholm: Karolinska Institutet.
- Triolo, F. (2023). Depression and chronic diseases in old age: understanding their interplay for better health. *Doctoral Thesis*. Stockholm: Karolinska Institutet.

Wu, J. (2023). Ambient Air Pollution and Transportation Noise: How They Affect Mental Health in Older Adults. *Doctoral Thesis*. Stockholm: Karolinska Institutet.

Xia, X. (2023). Cardiovascular health, orthostatic hypotension, and cognitive aging. *Doctoral Thesis*. Stockholm: Karolinska Institutet.

Reports

Calderón-Larrañaga, A. (2023). Framgångsrika upplevelser från Sverige och världen. *Äldre i Centrum*, #3/2022, (ARC spread p. 60-61).

Ekström, I. (2023). Äldre personers luktsinne påverkas av luftföroreningar. *Äldre i Centrum*, #1/2023, (ARC spread, p. 72-73).

L Fratiglioni och S Dekhtyar, ”Den positiva effekten av ett aktivt och socialt integrerat liv” in: SeniorVärldens antologi – Bra Bostäder för Seniorer. Svensk Byggtjänst, 2023, ISBN: 9789179171537

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

Peer-reviewed articles

- Axén, A., Taube, E., Sanmartin Berglund, J., & Skär, L. (2023). Loneliness in relation to social factors and self-reported health among older adults: A cross-sectional study. *Journal of Primary Care & Community Health, 14*, 21501319231198644. doi:10.1177/21501319231198644
- Behrens, A., Anderberg, P., & Berglund, J. S. (2023). Sleep disturbance predicts worse cognitive performance in subsequent years: A longitudinal population-based cohort study. *Archives of Gerontology and Geriatrics, 106*(104899), 104899. doi:10.1016/j.archger.2022.104899
- Berner, J., Dallora, A. L., Palm, B., Sanmartin Berglund, J., & Anderberg, P. (2023). Five-factor model, technology enthusiasm and technology anxiety. *Digital Health, 9*, 20552076231203602. doi:10.1177/20552076231203602
- Bratt, A. S., & Fagerström, C. (2023). Perceptions of general attitudes towards older adults in society: Is there a link between perceived life satisfaction, self-compassion, and health-related quality of life? *International Journal of Environmental Research and Public Health, 20*(4). doi:10.3390/ijerph20043011
- Flyborg, J., Renvert, S., Sanmartin Berglund, J., & Anderberg, P. (2023). Use of a powered toothbrush to improve oral health in individuals with mild cognitive impairment. *Gerodontology, 40*(1), 74–82. doi:10.1111/ger.12619
- Flyborg, J., Renvert, S., Anderberg, P., Larsson, T., & Sanmartin-Berglund, J. (2023). Results of objective brushing data recorded from a powered toothbrush used by elderly individuals with mild cognitive impairment related to values for oral health. *Clinical Oral Investigations, 28*(1). doi:10.1007/s00784-023-05407-2
- Flyborg, J., Renvert, S., Anderberg, P., Isaksson U, Berglund, J.S. (2023). Measurement of body temperature in the oral cavity with a temperature sensor integrated with a powered toothbrush. *SN Appl. Sci. 5*(22). <https://doi.org/10.1007/s42452-022-05250-2>
- Ghazi, S. N., Berner, J., Anderberg, P., & Sanmartin Berglund, J. (2023). The prevalence of eHealth literacy and its relationship with perceived health status and psychological distress during Covid-19: a cross-sectional study of older adults in Blekinge, Sweden. *BMC Geriatrics, 23*(1), 5. doi:10.1186/s12877-022-03723-y
- Henricsson, S., Bengtsson, V. W., Renvert, S., Berglund, J. S., Lundegren, N., & Andersson, P. (2023). Self-perceived oral health and orofacial appearance in an adult population, 60 years of age. *International Journal of Dental Hygiene. doi:10.1111/idh.12711*
- Javeed, A., Dallora, A. L., Berglund, J. S., Idrisoglu, A., Ali, L., Rauf, H. T., & Anderberg, P. (2023). Early prediction of dementia using feature extraction battery (FEB) and optimized support vector machine (SVM) for classification. *Biomedicines, 11*(2). doi:10.3390/biomedicines11020439
- Javeed, A., Luiza Dallora, A., Sanmartin Berglund, J., Ali, A., Anderberg, P., & Ali, L. (2023). Predicting dementia risk factors based on feature selection and neural networks. *Computers, Materials & Continua, 75*(2), 2491–2508. doi:10.32604/cmc.2023.033783
- Javeed, A., Dallora, A. L., Berglund, J. S., Idrisoglu, A., Ali, L., Rauf, H. T., & Anderberg, P. (2023). Early prediction of dementia using feature extraction battery (FEB) and optimized support vector machine (SVM) for classification. *Biomedicines, 11*(2). doi:10.3390/biomedicines11020439

Svärd, A., Kastbom, A., Ljungberg, K. R., Potempa, B., Potempa, J., Persson, G. R., Renvert, S., Berglund, J. S., & Söderlin, M. K. (2023). Antibodies against *Porphyromonas gingivalis* in serum and saliva and their association with rheumatoid arthritis and periodontitis. Data from two rheumatoid arthritis cohorts in Sweden. *Frontiers in Immunology*, 14, 1183194. doi:10.3389/fimmu.2023.1183194

The Swedish National study on Aging and Care – Skåne (SNAC-S)

Peer-reviewed articles

Algotsson, C., Rosso, A., Elmståhl, S., & Siennicki-Lantz, A. (2023). Prevalence and functional impact of parkinsonian signs in older adults from the Good Aging in Skåne study. *Parkinsonism Relat Disord.* Jun;111:105416. doi:

10.1016/j.parkreldis.2023.105416. Epub 2023 Apr 25. Erratum in: *Parkinsonism Relat Disord.* 2023 Aug;113:105485. PMID: 37130449.

Bronge, W., Lindholm, B., Elmståhl, S., & Siennicki-Lantz, A. (2023). Epidemiology and functional impact of early peripheral neuropathy signs in older adults from a general population. *Gerontology.* Dec 3. doi: 10.1159/000535620. Epub ahead of print. PMID: 38043521.

Dunder, L., Salihovic, S., Elmståhl, S., Lind, P. M., & Lind, L. (2023). Associations between per- and polyfluoroalkyl substances (PFAS) and diabetes in two population-based cohort studies from Sweden. *J Expo Sci Environ Epidemiol.* Mar 24. doi: 10.1038/s41370-023-00529-x. Epub ahead of print. PMID: 36964247.

Dunder, L., Salihovic, S., Lind, P. M., Elmståhl, S., & Lind, L. (2023). Plasma levels of per- and polyfluoroalkyl substances (PFAS) are associated with altered levels of proteins previously linked to inflammation, metabolism and cardiovascular disease. *Environ Int.* Jul;177:107979. doi: 10.1016/j.envint.2023.107979. Epub 2023 May 24. PMID: 37285711.

Dunder, L., Salihovic, S., Varotsis, G., Lind, P. M., Elmståhl, S., & Lind, L. (2023). Plasma levels of per- and polyfluoroalkyl substances (PFAS) and cardiovascular disease - Results from two independent population-based cohorts and a meta-analysis. *Environ Int.* Nov;181:108250. doi: 10.1016/j.envint.2023.108250. Epub 2023 Oct 5. PMID: 37832261.

Ellström, K., Abul-Kasim, K., Siennicki-Lantz, A., & Elmståhl, S. (2023). Associations of Carotid Artery Flow Parameters with MRI Markers of Cerebral Small Vessel Disease and Patterns of Brain Atrophy. *J Stroke Cerebrovasc Dis.* Jan 17;32(3):106981. <https://doi.org/10.1016/j.jstrokecerebrovasdis.2023.106981>

Li, J. H., Brenner, L. N., Kaur, V., Figueroa, K., Schroeder, P., Huerta-Chagoya, A., & MAGIC Investigators; Diabetes Prevention Program (DPP) Research Group; Udler, M. S., Leong, A., Mercader, J. M., Florez, J. C. (2023). Genome-wide association analysis identifies ancestry-specific genetic variation associated with acute response to metformin and glipizide in SUGAR-MGH. *Diabetologia.* Jul;66(7):1260-1272. doi: 10.1007/s00125-023-05922-7. Epub 2023 May 26. PMID: 37233759.

Lind, L., Ahmad, S., Elmståhl, S., & Fall, T. (2023). The metabolic profile of waist to hip ratio-A multi-cohort study. *PLoS One.* Feb 27;18(2):e0282433. doi: 10.1371/journal.pone.0282433. PMID: 36848351; PMCID: PMC9970070.

Lind, L., Fall, T., Ärnlöv, J., Elmståhl, S., & Sundström, J. (2023). Large-Scale Metabolomics and the Incidence of Cardiovascular Disease. *J Am Heart Assoc.* Jan 17;12(2):e026885. doi: 10.1161/JAHA.122.026885. Epub 2023 Jan 16. PMID: 36645074; PMCID: PMC9939066.

Lind, L., Titova, O., Zeng, R., Zanetti, D., Ingelsson, M., Gustafsson, S., Sundström, J., Ärnlöv, J., Elmståhl, S., Assimes, T., & Michaëlsson, K. (2023). Plasma protein profiling of incident cardiovascular diseases: A multisample evaluation. *Circ Genom Precis Med*. Dec;16(6):e004233. doi: 10.1161/CIRCGEN.123.004233. Epub 2023 Nov 28. PMID: 38014560.

Mendham, A. E., Micklesfield, L. K., Karpe, F., Kengne, A. P., Chikowore, T., Kufe, C. N., Masemola, M., Crowther, N. J., Norris, S. A., Olsson, T., Elmståhl, S., Fall, T., Lind, L., & Goedecke, J. H. (2023). Targeted proteomics identifies potential biomarkers of dysglycaemia, beta cell function and insulin sensitivity in Black African men and women. *Diabetologia*. Jan;66(1):174-189. doi: 10.1007/s00125-022-05788-1. Epub 2022 Sep 17. PMID: 36114877.

Overton, M., Sjögren, B., Elmståhl, S., & Rosso, A. (2023). Mild Cognitive Impairment, Reversion Rates, and Associated Factors: Comparison of Two Diagnostic Approaches. *J Alzheimers Dis*. 91(2):585-601. doi: 10.3233/JAD-220597. PMID: 36463443; PMCID: PMC9912719.

Rosso, A., Månsson, T., Egervall, K., Elmståhl, S., & Overton, M. (2023). Cognitive decline and risk of dementia in older adults after diagnosis of chronic obstructive pulmonary disease. *NPJ Prim Care Respir Med*. May 13;33(1):20. doi: 10.1038/s41533-023-00342-x. PMID: 37179395; PMCID: PMC10182997.

Rydell, A., Nerpin, E., Zhou, X., Lind, L., Lindberg, E., Theorell Haglöw, J., Fall, T., Janson, C., Lisspers, K., Elmståhl, S., Zaigham, S., Melander, O., Nilsson, P. M., Ärnlöv, J., & Malinowski, A. (2023). Cardiovascular disease-linked plasma proteins are mainly associated with lung volume. *ERJ Open Res*. Mar 27;9(2):00321-2022. doi: 10.1183/23120541.00321-2022. PMID: 37009020; PMCID: PMC10052712.

Timpka, S., Melander, O., Engström, G., Elmståhl, S., Nilsson, P. M., Lind, L., Pihlsgård, M., & Enhörning, S. (2023). Short-term association between outdoor temperature and the hydration-marker copeptin: a pooled analysis in five cohorts. *EBioMedicine*. Sep;95:104750. doi: 10.1016/j.ebiom.2023.104750. Epub 2023 Aug 8. PMID: 37556945; PMCID: PMC10432996.

Zheng, R., Michaëlsson, K., Fall, T., Elmståhl, S., & Lind, L. (2023). The metabolomic profiling of total fat and fat distribution in a multi-cohort study of women and men. *Sci Rep*. Jul 10;13(1):11129. doi: 10.1038/s41598-023-38318-z. PMID: 37429905; PMCID: PMC10333321.

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

Peer-reviewed articles

Augustsson, E., Von Saenger, I., Agahi, N., Kåreholt, I., & Ericsson, M. (2023). Impact of the COVID-19 pandemic on Swedish adults aged 77 years and older: Age differences in lifestyle changes. *Scandinavian journal of public health*, 51(5), 764–768.

<https://doi.org/10.1177/14034948231172249>.

Sindi, S., Kiasat, S., Kåreholt, I., & Nilsen, C. (2023). Psychosocial working conditions and cognitive and physical impairment in older age. *Archives of gerontology and geriatrics*, 104, 104802.

<https://doi.org/10.1016/j.archger.2022.104802>

Sundberg, L., Agahi, N., Wastesson, J. W., Fritzell, J., & Fors, S. (2023). Increasing inequalities in disability-free life expectancy among older adults in Sweden 2002–2014. *Scandinavian Journal of Public Health*, 51(6), 835-842.

von Saenger, I., Dahlberg, L., Augustsson, E., Fritzell, J., & Lennartsson, C. (2023). Will your child take care of you in your old age? Unequal caregiving received by older parents from adult children in Sweden. *European journal of ageing*, 20(1), 8. <https://doi-org/10.1007/s10433-023-00755-0>

Reports

Fors S, Georgelis A, Hadlaczky G, Hökby S, Kosidou K, Nord M, Pyko A, Lager A. Hur mår de allra äldsta i Stockholms län? Hälsa och livsvillkor bland personer som är 85 år och äldre i Stockholms län. Stockholm: Centrum för epidemiologi och samhällsmedicin, Region Stockholm; 2023. Rapport 2023:6.

Swedish national inventory of health and care (SWENIS)

Peer-reviewed articles

Abramsson, L., Backman, A., Lövheim, H., Edvardsson, D., & Gustafsson, M. (2023). Use of heart failure medications in older individuals and associations with cognitive impairment. *BMC geriatrics*, 23(1), 524. <https://doi.org/10.1186/s12877-023-04223-3>

Backman, A., Lindkvist, M., Lövheim, H., Sjögren, K., & Edvardsson, D. (2023). Longitudinal changes in nursing home leadership, direct care staff job strain and social support in Swedish nursing homes—findings from the U-AGE SWENIS study. *International Journal of Older People Nursing*, 18(1), e12515-n/a. <https://doi.org/10.1111/opn.12515>