

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., Ketzel, 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., Ketzel, 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., Ketzel, 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>

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- 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*.

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*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>

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Fjell, A.M., Sørensen, Ø., Wang, Y., Amlien, 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-Piñeiro, D., Wagner, G., Watne, LO., & 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>

Häglin, 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>

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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.

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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>

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