

Supplementary material 4: Included studies for pooled ROMs, RRs, and diagnostic indicators.

1. Studies included in ROM method

- Apostolova, L. G., Hwang, K. S., Avila, D., et al. Brain amyloidosis ascertainment from cognitive, imaging, and peripheral blood protein measures [J].*Neurology*,2015, 84(7): 729-737.
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- Giannisis, A., Al-Grety, A., Carlsson, H., et al. Plasma apolipoprotein E levels in longitudinally followed patients with mild cognitive impairment and Alzheimer's disease [J].*Alzheimers Res Ther*,2022, 14(1): 115.

- Hanon, O., Vidal, J. S., Lehmann, S., et al. Plasma amyloid beta predicts conversion to dementia in subjects with mild cognitive impairment: The BALTAZAR study [J].*Alzheimer's and Dementia*,2022, 18(12): 2537-2550.
- Hansson, O., Zetterberg, H., Vanmechelen, E., et al. Evaluation of plasma A β 40 and A β 42 as predictors of conversion to Alzheimer's disease in patients with mild cognitive impairment [J].*Neurobiology of aging*,2010, 31(3): 357-367.
- Janelidze, S., Bali, D., Ashton, N. J., et al. Head-to-head comparison of 10 plasma phospho-tau assays in prodromal Alzheimer's disease [J].*Brain*,2023, 146(4): 1592-1601.
- Janelidze, S., Mattsson, N., Palmqvist, S., et al. Plasma P-tau181 in Alzheimer's disease: relationship to other biomarkers, differential diagnosis, neuropathology and longitudinal progression to Alzheimer's dementia [J].*Nat Med*,2020, 26(3): 379-386.
- Kivisäkk, P., Carlyle, B. C., Sweeney, T., et al. Plasma biomarkers for diagnosis of Alzheimer's disease and prediction of cognitive decline in individuals with mild cognitive impairment [J].*Frontiers in Neurology*,2023, 14: 1069411.
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- Lehmann, S., Schraen-Maschke, S., Vidal, J. S., et al. Plasma phosphorylated tau 181 predicts amyloid status and conversion to dementia stage dependent on renal function [J].*Journal of neurology, neurosurgery and psychiatry*,2023, 94(6): 411-419.
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- Pichet Binette, A., Palmqvist, S., Bali, D., et al. Combining plasma phospho-tau and accessible measures to evaluate progression to Alzheimer's dementia in mild cognitive impairment patients [J].*Alzheimers Res Ther*,2022, 14(1): 46.
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- Xiao, Z., Wu, W., Ma, X., et al. Plasma Aβ42/Aβ40 and p-tau181 Predict Long-Term Clinical Progression in a Cohort with Amnesic Mild Cognitive Impairment [J].*Clinical Chemistry*,2022, 68(12): 1552-1563.
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2. Studies included in pooled relative risks (RRs)

- Cullen, N. C., Leuzy, A., Palmqvist, S., et al. Individualized prognosis of cognitive decline and dementia in mild cognitive impairment based on plasma biomarker combinations [J].*Nat Aging*,2021, 1(1): 114-123.
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3. Studies included in diagnostic meta.

- Cicognola, C., Janelidze, S., Hertze, J., et al. Plasma glial fibrillary acidic protein detects Alzheimer pathology and predicts future conversion to Alzheimer dementia in patients with mild cognitive impairment [J]. *Alzheimers Res Ther*, 2021, 13(1): 68.
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