

Table S3.1. Summary of Risk of Bias Assessment for Non-Randomised Cohort Studies on the Association Between Physical Activity and Dementia Risk Using ROBINS-I

Author	Year	Bias due to confounding	Bias in selection of participants into the study	Bias in classification of interventions	Bias due to deviations from intended interventions	Bias due to missing data	Bias in measurement of outcomes	Bias in selection of the reported result	Overall Bias
Yoshitake	1995	Moderate	Low	Low	Low	Low	Low	Low	Moderate
Laurin	2001	Low	Low	Low	Low	Moderate	Low	Low	Moderate
Vergheese	2003	Moderate	Low	Low	Low	Low	Low	Low	Moderate
Abbot	2004	Moderate	Low	Low	Low	Moderate	Low	Low	Moderate
Podwils	2005	Low	Low	Low	Low	Moderate	Low	Low	Moderate
Ravaglia	2008	Low	Low	Low	Low	Low	Low	Low	Low
Scarmeas	2009	Low	Low	Low	Low	Moderate	Low	Low	Moderate
Chang	2010	Moderate	Low	Low	Low	Moderate	Low	Low	Moderate
Sattler	2011	Serious	Low	Low	Low	Moderate	Low	Low	Serious
Bowen	2012	Moderate	Low	Low	Low	Low	Low	Low	Moderate
Buchman	2012	Low	Low	Low	Low	Moderate	Low	Low	Moderate
Elwood	2013	Serious	Low	Low	Low	Low	Low	Low	Serious
Gray	2013	Moderate	Low	Low	Low	Moderate	Low	Low	Moderate
Tolppanen	2014	Low	Low	Low	Low	Moderate	Low	Low	Moderate
Wang	2014	Moderate	Low	Low	Low	Moderate	Low	Low	Moderate
Paganini-Hill	2016	Moderate	Low	Low	Low	Moderate	Low	Low	Moderate
Hessler	2016	Moderate	Low	Low	Low	Moderate	Low	Low	Moderate
Tan	2017	Moderate	Low	Low	Low	Moderate	Low	Low	Moderate
Muller	2017	Moderate	Moderate	Low	Low	Low	Low	Low	Moderate
Gross	2017	Serious	Low	Low	Low	Moderate	Low	Low	Serious
Sabia	2017	Serious	Low	Low	Low	NI	Low	Low	Serious
Tomata	2017	Moderate	Low	Low	Low	Moderate	Low	Low	Moderate
Shih	2018	Low	Low	Low	Low	Low	Low	Low	Low

Shakersain	2018	Low	Low	Low	Low	Low	Low	Low	Low
Larsson	2018	Serious	Low	Low	Low	Low	Low	Low	Serious
Shaaban	2019	Moderate	Low	Low	Low	Low	Low	Low	Moderate
Hansson	2019	Moderate	Moderate	Low	Low	Moderate	Low	Low	Moderate
Najar	2019	Low	Low	Low	Low	Moderate	Low	Low	Moderate
Palta	2019	Serious	Low	Low	Low	Moderate	Low	Low	Serious
Zotcheva	2019	Serious	Low	Low	Low	Moderate	Low	Low	Serious
Kunutsor	2020	Moderate	Low	Low	Low	Low	Low	Low	Moderate
Rolandi	2020	Low	Low	Low	Low	Moderate	Low	Low	Moderate
Dupre	2020	Low	Low	Low	Low	Moderate	Low	Low	Moderate
Wu	2020	Low	Low	Low	Low	Moderate	Low	Low	Moderate
Boongird	2020	Moderate	Low	Low	Low	Moderate	Low	Low	Moderate
Feter	2021	Moderate	Low	Low	Low	Moderate	Low	Low	Moderate
Yoon	2021	Moderate	Low	Low	Low	Low	Low	Low	Moderate
Nabe-Nielsen	2021	Moderate	Low	Low	Low	Moderate	Low	Low	Moderate