Table S2 Quality assessment tool

Quality criteria	Quality score
Is the participation rate ≥ 70%	≥70% = 1
	<70% or not stated = 0
Is the follow up duration ≥5 years	≥5 years = 1
	< 5 years = 0
Is the follow up rate 70% or more of the	≥70% = 1
participants at baseline	
	<70% or not stated = 0
Are drop outs comparable with follow-up	Drop outs are comparable = 1
participants	
	Drop outs not comparable = 0
Was the validity of the measure assessing	Validity of physical activity measure
physical activity reported	reported (or can be reasonably acquired
	externally) = 1
	Validity of physical activity measure not
	reported = 0
Was the reliability of the measure	Reliability of physical activity measure
assessing physical activity reported	reported (or can be acquired externally)
	= 1
	Reliability of physical activity measure not
	reported = 0
Was the validity of the measure assessing	Validity of cognitive decline/dementia

cognitive decline/dementia reported and	measure reported (or can be acquired
was it reported to be adequate	externally) = 1
	Reliability of cognitive decline/dementia
	measure not reported = 0
Was the reliability of the measure	Validity of cognitive decline/dementia
assessing cognitive decline/dementia	measure reported (or can be acquired
reported	externally) = 1
	Reliability of cognitive decline/dementia
	measure not reported = 0
Does the sample consist of ≥1000	The sample consists of ≥ 1000 participants =
participants	1
	The sample consists of <1000 participants =
	0
Are confounders accounted for in the	Confounders (age, sex, education)
analyses (where appropriate)	accounted for in the analyses = 1
	Confounders (age, sex, education) not
	accounted for in the analyses = 0