Author Year	Study	Baseline – measuring points	Follow up time	Baseline sample; Age at Baseline	Drop out	Sample in Survey	Variables – PA; Outcome	Results	Limitations
Laurin et	Canadian	Baseline:	5 years	9 008 men	4 393	4 615	PA:	High levels of physical activity are associated with	- Characterisation of
al. 2001	Study of	1991/1992 -		and women	men and	men	Older	reduced risk	physical activity
	Health and	1996/1997		- 6 434	women	and	Americans	- Relative Risks [with 95% Confidence Interval]	
	Aging			cognitive		women	Research	for cognitive impairment, Alzheimer's disease	
				normal			Scale	and dementia	
				persons; 65			Outcome:		
				years and			Modified	cognitive impairment $= 0.58 [0.41-0.83]$	
				older			Mini-Mental	Dementia = $0.63 [0.40-0.98]$	
							State	Alzheimer's Disease $= 0.50 [0.28-0.90]$	
							Examination;		
							Neuropsychol-		
							ogical test		
							batters		

Table 4: Description of studies on the association between physical activity and Alzheimer's disease and dementia.

Abbott et Honoluli	1965 / 1968 -	29 - 34	3 734 men	1 477	2 257	PA:	Estimated relative	risk of develo	ping of dementia	- Results just for men
al. 2004 Heart	still	years	of Japanese	men	men	Average	are associated with the distance walked per day		-High age	
Program	continuing as		ancestry-			amount of				participants
	Honolulu -		survivors			distance		Total	Alzheimer's	
	Asia Aging		of the			walked per		dementia	disease	
	Study –		original			day; Physical	>2m/d	Ref.	Ref.	
	1994/1996 –		Honolulu			Activity Index	<0.25 m/d	2.12	2.24	
	1997/1999		Heart			Outcome:	0.25-1 m/d	2.06	2.21	
			Program			Cognitive	1-2 m/d	1.5	1.33	
			cohort; 71-			Abilities				
			93 years			Screening				
						Instrument;				
						Informant				
						Questionnaire				
						on Cognitive				
						Decline in the				
						Elderly				
Rovio et al CADIE -	Baseline:	11-26	2000 men	551 men	900	PA:	Regular physical a	ctivity may re	educe the risk or	Categorical ranking
2005 Cardiova	scula 1972/1977/1	years	and	and	women,	Questions	delay the onset of	dementia and	Alzheimer's disease	of physical activity –
r risk fac	tors 982 or 1987 -		women;	women	549	about the	- Odds Ratios [w	ith 95% Conf	ident Interval] for	no accurate quantify
Aging ar	d 1998		65-79 years		men –	physical	developing dem	ientia and Alz	theimer's disease for	No changes of
Incidence	e of				1449	activity: "How	active people			physical activity
Dementi	1				particip	often do you			D	during the follow-up
					ants	participate in	se	dentary =	Kef.	time
						leisure-time		ementia =	0.55 [0.30-1.01]	No intensity or
						physical	Alzneimer's I	Disease =	0.45 [0.22-0.93]	frequencies of
						activity that				physical activity
						asis at least				Different follow up
						20-50 mm and				times
						broothlossnoss				
						and				
						sweating?"				
						Outcome.				
						Incidence of				
						dementia and				
						Alzheimer's				

PA = physical activity; Ref. = Reference group

							Disease				
Podewils et	Cardiovascula	Baseline:	8 years	5 888 men	2 228	3 660	PA:	Inverse association	n between physi	cal activity level	- High dropout rate
al. 2005	r Health	1992 - 2000		and	men and	men	Modified	and incidence of d	ementia in later	life.	- Measurement of
	Cognition			women; 65	women	and	Minnesota	Hazard Ratios [95	%CI] of inciden	it dementia by	physical activity
	Study			older		women	Physical	level of leisure-un	le ellergy experi	ulture	(Renadinty of Minnesota Leisure
							Activity		All-cause	Alzheimer's	Time Physical
							questionnaire		dementia	disease	Activity
							Outcome:	<248 kcal/wk	Ref.	Ref.	Questionnaire)
							Cognitive	248-742	1.03	0.99	
							Status Test,	kcal/wk	[0.81-131]	[0.71-1.38]	
							Decline in the	/43-1,05/ kcal/wk	0.81	0.79	
							Elderly Test	>1.657  kcal/wk	0.74	0.64	
							5	, 1,00, 11000, 011	[0.57-0.96]	[0.45-0.93]	
Larson et al	Adults	Baseline:	6 years	6 782 men	841 men	1 740	PA:	Regular exercise r	educes the risk of	of dementia	- measurement of
2006	Changes in	1994/1996 –		and women	and	men	Number of	- Hazard Ratio [v	vith 95% Confic	lence Interval] for	physical activity
	Thought	2000/2002		in study –	women	and	days a week	developing dem	ientia		
				Subgroup		women	the	regular activit	y: 0.62 [0.44-0. 1 000 memory and	86]	
				01 2 381 men and			did each of	- Incluent rate for $13.0$ for $>3$ tir	1,000 person ye	ars	
				women: 65			presented	19.0  for less f	han 3 times per	week	
				years and			exercises for	1910 101 1005 0	in contraction per		
				older			at least 15				
							minutes at a				
							time during				
							the past year				
							Cognitive				
							Ability				
							Screening				
							Instrument				
Chang et	AGES –	Baseline:	26 - 35	5 764 men	819 men	2 093	PA:	Inverse association	n between midli	fe physical activity	- Measurement of
al. 2010	Reykjavik	1967 - 2002	years	and	and	men, 2	Questions	and cognitive func	tion in later life		physical activity

PA = physical activity; Ref. = Reference group

Study – Age,	women;	women	852	about the	Odds Ratios of having dementia mong physically	- No information
Gene /	Born		women	biography of	active groups compared with none physical active	about changes in
Environment	between		-	physical	group [95% CI]	physical activity
Susceptibility	1907 -		overall	activity during	No physical activity: 1.00 (Ref.)	
Reykjavik	1935		4 945	adult life and	<5 h/wk: 0.59 [0.40 – 0.87]	
Study				how many	>5 h/wk: 0.74 [0.34 – 1.62]	
				hours per		
				week physical		
				activity during		
				winter and		
				summer		
				Outcome:		
				Digit symbol		
				substitution		
				test, figure		
				comparison,		
				modified		
				Stroop Test		
				California		
				Verbal		
				Learning Test,		
				Digits		
				Backward,		
				CANTAB		
				Spaital		
				Working		
				Memory test		