Table 1: RR, prevalence and PAF for all 14 potentially modifiable dementia risk factors

	Relative risk for dementia, 95%Cl	Risk factor prevalence %	Communality	Unweighted PAF	Weighted PAF %	Weighted PAF rounded to nearest whole number
Early Life						
Less education	1.6, 1.3-2.0 ²⁵⁹	23.2 ²⁶⁰	0.608	12.2%	4.50	5%
Midlife						
Hearing Loss	1.4, 1.0-1.9	59.0 ⁷¹	0.609	19.1%	7.03	7%
High Low Density Lipoprotein Cholesterol	1.3; 1.25 - 1.4 ³⁸	76.5*	0.469	18.7%	6.88	7%
Depression	2.25, 1.7- 3.0	7.2 ²⁶¹	0.452	8.3%	3.04	3%
Traumatic Brain Injury	1.7, 1.4-1.9 ¹⁰⁵	12.1 ²⁶²	0.423	7.8%	2.88	3%
Physical Inactivity	1.25, 1.2-1.3 ¹⁵¹	27.5 ²⁶³	0.567	6.4%	2.37	2%
Smoking	1.3, 1.2-1.45 ¹²³	22.3 ²⁶⁴	0.650	6.3%	2.31	2%
Diabetes	1.73, 1.65–1.8 ²⁶⁵	9.3 ²⁶⁶	0.493	6.4%	2.34	2%
Hypertension	1.2; 1.1-1.35 ²⁶⁷	31.1 ²⁶⁸	0.595	5.9%	2.16	2%
Obesity	1.3, 1.0-1 7 ¹⁷³	13.0 ²⁶⁹	0.622	3.8%	1.38	1%
Excessive alcohol consumption	1.2, 1.0-1.5 ¹⁸¹	13.3 181	0.772	2.6%	0.95	1%
Late Life						
Social isolation	1.6, 1.3-1.8 ¹⁸⁹	24.0 ²⁷⁰	0.408	12.6%	4.64	5%
Air pollution	1.1, 1.1-1.1 ²⁷¹	75.0 ²⁷¹	0.341	7.0%	2.57	3%
Uncorrected visual impairment	1.5, 1.4-1.6 ²²⁶	12.7 ²²⁵	0.553	6.0%	2.20	2%
Overall PAF for all risk factors						45%

*Prevalence derived from 37,000 participants aged ≥ 45 years old from the Norwegian HUNT study

Citation	Intervention	Target population	Study Design	Key Outcomes
	WHELD (Well-being and health for people with dementia) trained care staff to promote tailored person-centred activities and social interactions. System for changing inappropriate medications.	Staff and nursing home residents	Cluster randomised controlled trial (RCT) intention to treat with 69 UK care homes in 9-month clinical trial -847 participants	Improved quality of life, agitation and neuropsychiatric symptoms and cost savings
Gitlin ⁵²⁵	Tailored Activity Program (TAP) Carers trained to use activities. Disease education and stress reduction techniques	(OT) provided activities tailored to	•	For person with dementia, \checkmark behavioural symptoms, maintenance of daily function, and \checkmark pain. Carer distress from behaviours
Gitlin ⁵²⁶		home to individuals with agitation with moderate dementia	a dementia diagnosis and	Carers report TAP made life easier, 个 ability to provide care, and person with dementia's life somewhat or very much. TAP group had fewer deaths/ hospitalisation
		OT provided tailored activities and instructions at home.	-	Behavioural benefits for people with dementia at 3 months. More for Black than White dyads.
Lamb ⁵²⁸			investigator masked, RCT N=494	No effect on quality of life or neuropsychiatric symptoms. Greater cognitive impairment in exercise group.
Sanders ⁵²²		participants with mild-to-		No effects on cognition, endurance, mobility, balance, and leg strength. Gait speed improved after high- intensity exercise.
	Dementia-specific programme focussing on strength, balance, physical activity and performance of ADL. Tailored and progressive.	-		Did not improve ADLs, physical activity, quality of life, reduce falls