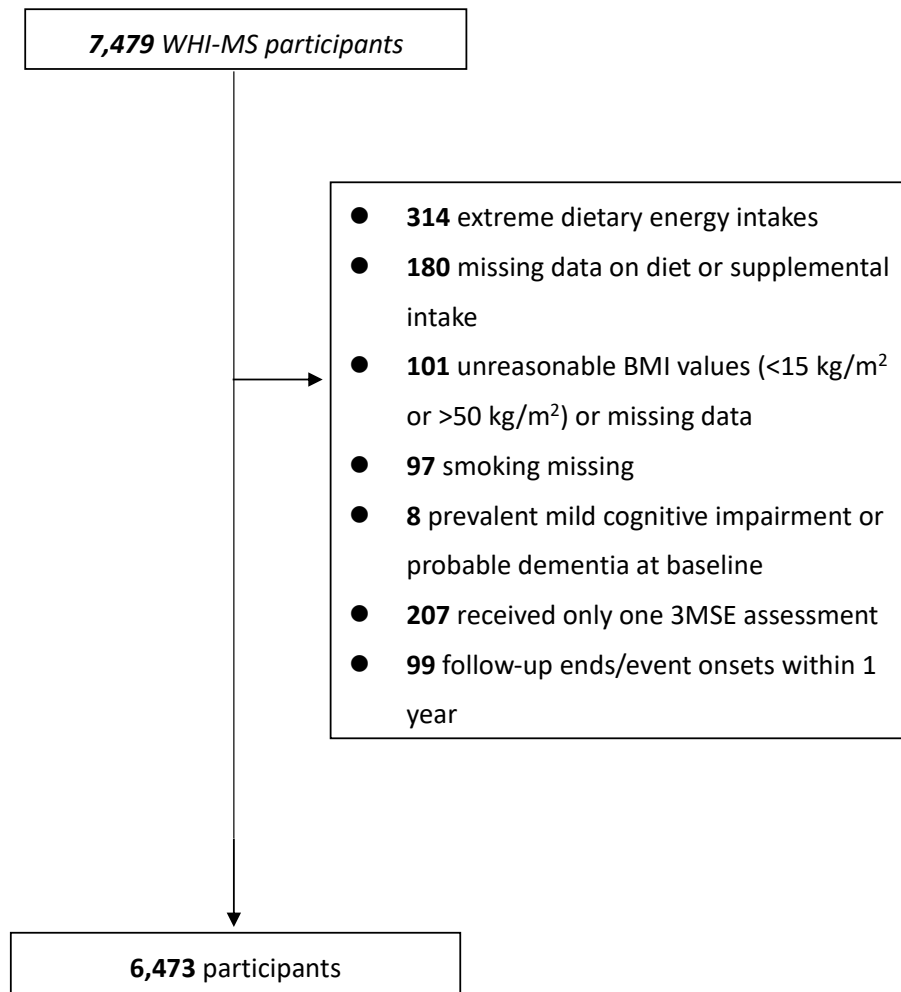


Supplementary Figure 1 Identification of an Analytical Cohort from the Women's Health Initiative Memory Study (WHI-MS)



Supplementary Table 1 Baseline Characteristics of Participants Included or Excluded from Analysis

	Mean (SD) / N (%)		p value
	Excluded	Included	
Number of participants	1006	6473	
Time-to-event/censored in years	5.5 (5.3)	9.6 (4.3)	***
Age at baseline in years	70.3 (3.9)	70.1 (3.8)	NS
BMI at baseline	29.5 (7.5)	28.4 (5.4)	***
Recreational physical activity in MET-hour	10.7 (13.8)	11.3 (13.2)	NS
Total magnesium intake in mg	251 (162.1)	311.1 (151.2)	***
Total B6 intake in mg	6.1 (21)	6.8 (28.4)	NS
Total B9 intake in mcg	374.7 (272.4)	457.6 (273.5)	***
Total B12 intake in mcg	18.2 (63.6)	20.5 (73)	NS
Total calcium intake in mg	871.3 (689.7)	1139.2 (698.8)	***
Total vitamin D intake in mcg	7.2 (6.5)	9.5 (6.7)	***
Dietary energy in kcal	1344.9 (976.7)	1605.1 (625.3)	***
Region in U.S.			
● Northeast	234 (23.3%)	1771 (27.4%)	***
● South	263 (26.1%)	1315 (20.3%)	
● Midwest	208 (20.7%)	1598 (24.7%)	
● West	301 (29.9%)	1789 (27.6%)	
Race/Ethnicity			***
● Non-Hispanic White	810 (80.7%)	5683 (88.0%)	
● Black or African-American	120 (12.0%)	415 (6.4%)	
● Hispanic/Latino	35 (3.5%)	144 (2.2%)	
● Other	39 (3.9%)	217 (3.4%)	
HRT Arm			**
● E-alone	221 (22.0%)	1248 (19.3%)	
● E-alone control	227 (22.6%)	1257 (19.4%)	
● E+P intervention	289 (28.7%)	1935 (29.9%)	
● E+P control	269 (26.7%)	2033 (31.4%)	
7+ alcohol drinks per week	83 (8.5%)	810 (12.6%)	***
Prevalent diabetes	120 (12.0%)	507 (7.8%)	***
Prevalent cardiovascular disease	204 (20.8%)	1083 (17.0%)	**
Prevalent cancer	35 (3.6%)	232 (3.6%)	NS
Hormone Replacement Therapy			NS
● Never used	702 (69.8%)	4444 (68.7%)	
● Past user	254 (25.2%)	1657 (25.6%)	
● Current user	50 (5.0%)	372 (5.7%)	
Treated high cholesterol	194 (19.8%)	1151 (18.0%)	NS
History of hypertension	424 (43.4%)	2492 (38.8%)	**

Family history of diabetes, heart attack or stroke	768 (76.3%)	4991 (77.1%)	NS
Medication use <sup>a</sup>	510 (50.7%)	3009 (46.5%)	*
Smoking status			***
● Never Smoked	463 (51.7%)	3446 (53.2%)	
● Past Smoker	333 (37.2%)	2597 (40.1%)	
● Current Smoker	99 (11.1%)	430 (6.6%)	
Received college education or above	514 (51.2%)	3761 (58.3%)	***

MCI: mild cognitive impairment; PD: probable dementia; HRT: Hormone replacement therapy; E-alone: Estrogen-alone; E+P: Estrogen+Progestin

\* $p < 0.05$ . \*\* $p < 0.01$  \*\*\* $p < 0.001$ . NS: not significant <sup>a</sup> Any use of anti-inflammatory, anti-hyperlipidaemic, anti-depressant, anti-hypertensive or diuretic drug