

Impact of diabetes mellitus and cardiometabolic syndrome on the risk of Alzheimer's disease among postmenopausal women

Longjian Liu, Edward J Gracely, Xiaoyan Yin, Howard J Eisen

Supplementary Table 1

Supplementary Table 1. Association of diabetes and cardiometabolic syndrome with risk of incident AD by AD report of a self-administered questionnaire

Incident AD was assessed by annual mailed survey questionnaire that was filled by	Model 1					Model 2					Model 3							
	No. of Case	HR	(95% CI)		p-value	No. of Case	HR	(95% CI)		p-value	No. of Case	HR	(95% CI)		p-value			
Diabetes (yes vs no.) for risk of incident AD																		
WHIOS study participates (self)	3347	1.32	(1.19	-	1.46)	<0.001	3070	1.31	(1.18	-	1.46)	<0.001	2795	1.33	(1.19	-	1.49)	<0.001
Family or friend of the study participants	1074	1.24	(1.04	-	1.48)	0.017	979	1.17	(0.97	-	1.40)	0.101	890	1.14	(0.93	-	1.39)	0.199
Healthcare provider for the study participants	151	1.96	(1.31	-	2.93)	0.001	131	1.70	(1.10	-	2.64)	0.018	115	1.57	(0.96	-	2.56)	0.071
Others	3717	1.19	(1.08	-	1.31)	0.001	3358	1.14	(1.03	-	1.27)	0.013	3076	1.14	(1.02	-	1.28)	0.022
CMS (yes vs no.) for risk of incident AD																		
WHIOS study participants (self)	3347	1.23	(1.11	-	1.37)	<0.001	3070	1.22	(1.09	-	1.36)	<0.001	2795	1.19	(1.05	-	1.34)	0.006
Family or friend of the study participants	1074	1.21	(1.02	-	1.43)	0.033	979	1.14	(0.95	-	1.37)	0.155	890	1.09	(0.89	-	1.33)	0.412
Health care provider for the study participants	151	1.63	(1.08	-	2.46)	0.020	131	1.45	(0.93	-	2.27)	0.105	115	1.36	(0.82	-	2.27)	0.236
Others	3717	1.29	(1.17	-	1.42)	<0.001	3358	1.23	(1.11	-	1.36)	<0.001	3076	1.19	(1.07	-	1.34)	0.002

WHIOS: Women's Health Initiative Observational Study. AD: Alzheimer's disease, CMS: Cardiometabolic syndrome. Outcome of incident AD was assessed from WHI Extension 1 (2005).

Model 1: Adjusted for age, race/ethnicity and marital status.

Model 2: Adjusted for Model 1 plus Medicare, pre-paid private insurance, education, income, smoking status, and hormone therapy use.

Model 3: Adjusted for Model 2 plus medical history of myocardial infarction, stroke and peripheral artery disease.