

# Supplementary Material

## Prevalence and Determinants of Diagnosed Dementia in Primary Care and Hospitals in Norway: The HUNT Study

**Supplementary Table 1.** Diagnosed dementia and the association with sociodemographic and health related factors. Odds ratios (OR) with 95% confidence interval (CI). Sample restricted to home-dwellers, n=552 and performed on complete cases.

Factor	Crude			Sex and age adjusted			Fully adjusted*		
	OR	95% CI	p	OR	95% CI	p	OR	95% CI	p
Female sex (versus male)	1.46	1.06-2.01	0.021	1.35	0.97-1.88	0.073	2.19	1.19- 4.06	0.012
Age (ref 70-74 y)	1.00	Ref		1.00	Ref		1.00	Ref	
75-79 y	3.33	1.72-6.44	<0.001	3.34	1.73-6.47	<0.001	2.39	0.96-5.97	0.062
80-84 y	4.75	2.51-9.00	<0.001	4.63	2.44-8.78	<0.001	2.67	1.08-6.62	0.034
85-89 y	5.56	2.95-10.49	<0.001	5.30	2.80-10.02	<0.001	3.13	1.17-8.36	0.023
90+ y	2.95	1.46-5.93	0.002	2.77	1.37-5.60	0.004	1.43	0.46-4.44	0.533
Education (ref elementary)	1.00	Ref		1.00	Ref		1.00	Ref	
secondary	0.83	0.59-1.16	0.265	0.97	0.68-1.37	0.847	1.28	0.72-2.30	0.400
tertiary	1.38	0.84-2.25	0.203	1.58	0.94-2.64	0.082	2.19	0.95-5.06	0.065
Dementia in the family	2.23	1.60-3.10	<0.001	2.35	1.68-3.30	<0.001	2.61	1.54-4.42	<0.001
Live with (versus living alone)	0.83	0.58-1.19	0.303	1.13	0.75-1.70	0.559	1.26	0.69-2.31	0.451
HADS-D (ref score ≤7)	1.00	Ref		1.00	Ref		1.00	Ref	
score 8-10	1.33	0.80-2.23	0.280	1.23	0.72-2.10	0.446	0.72	0.36-1.44	0.355
score 11-14	2.72	1.22-6.03	0.014	2.35	1.10-5.39	0.043	1.00	0.33-2.99	0.999
score 15-21	2.17	0.66-7.11	0.199	1.70	0.50-5.79	0.398	1.70	0.35-8.16	0.507
MoCA (ref score ≥18)	1.00	Ref		1.00	Ref		1.00	Ref	
score 17-10	0.95	0.62-1.46	0.820	0.78	0.50-1.22	0.281	1.06	0.54-2.09	0.872
score ≤9	4.40	2.69-7.20	<0.001	3.89	2.29-6.62	<0.001	3.52	1.36-9.16	0.010
I-ADL (ref needs little help)	1.00	Ref		1.00	Ref		1.00	Ref	
needs some help	4.00	2.41-6.62	<0.001	3.83	2.23-6.56	<0.001	4.10	2.02-8.34	<0.001
needs a lot of help	4.43	2.78-7.06	<0.001	4.64	2.77-7.78	<0.001	4.05	1.96-8.39	<0.001

\*In the fully adjusted analyses, all factors listed in the first column are included. HADS-D, Hospital Anxiety and Depression Rating Scale-Depression; MoCA, Montreal Cognitive Assessment; I-ADL, Instrumental activities of daily living.

**Supplementary Table 2.** Diagnosed dementia and the association with sociodemographic and health related factors. Odds ratios (OR) with 95% confidence interval (CI). Sample restricted to nursing home residents, n=154 and performed on complete cases.

Factor	Crude			Sex and age adjusted			Fully adjusted*		
	OR	95% CI	p	OR	95% CI	p	OR	95% CI	p
Female sex (versus male)	1.15	0.79-1.69	0.464	1.37	0.92-2.05	0.120	2.63	0.94-7.37	0.066
Age (ref 70-74 y)	1	Ref		1	Ref		1.00	Ref	
75-79 y	3.05	1.16-8.01	0.024	3.00	1.14-7.89	0.026	1.00	Empty	
80-84 y	1.79	0.79-4.05	0.164	1.76	0.77-4.00	0.178	0.69	0.09-5.08	0.716
85-89 y	0.82	0.39-1.74	0.599	0.77	0.36-1.66	0.510	0.26	0.04-1.70	0.158
90+ y	0.57	0.28-1.17	0.123	0.53	0.26-1.09	0.086	0.24	0.04-1.53	0.131
Education (ref elementary)	1	Ref		1	Ref		1.00	Ref	
secondary	1.17	0.80-1.72	0.417	1.02	0.68-1.53	0.917	1.88	0.76-4.63	0.170
tertiary	1.73	0.88-3.41	0.112	1.53	0.76-3.08	0.230	3.53	0.78-16.06	0.103
Dementia in the family	4.00	2.17-7.38	<0.001	3.72	1.94-7.13	<0.001	5.00	2.03-12.34	0.001
CDR (ref score 1)	1	Ref		1	Ref		1.00	Ref	
score 2	2.33	1.39-3.89	0.001	2.30	1.35-3.94	0.002	1.86	0.66-5.25	0.242
score 3	5.30	3.19-8.81	<0.001	5.44	3.20-9.24	<0.001	5.34	2.02-14.13	0.001

\*In the fully adjusted analyses, all factors listed in the first column are included. CDR, Clinical Dementia Rating scale.