

Supplementary Material

Biting the Bullet: Firearm Ownership in Persons with Dementia. A Registry-Based Observational Study

Supplementary Table 1. Frequency of missing values in the SveDem dataset stratified by firearm possession status

	Firearm ownership status			
	Total	No	Yes	Missing
Reported	13.16	-	14.54	67.98
Mini-Mental State Examination	7.75	6.37	3.73	14.12
Hypnotics	4.95	3.19	2.85	12.62
Antipsychotics	4.88	3.08	2.58	12.75
Anxiety suppressors	4.84	3.08	2.69	12.48
Antidepressants	4.55	2.90	2.52	11.75
N-Methyl-D-aspartate receptor antagonist	4.27	2.62	1.97	11.55
Vascular drugs	4.27	2.74	2.25	10.98
Daycare	3.97	2.15	2.03	11.85
Acetylcholinesterase inhibitors	3.39	1.94	1.21	9.77
Homecare	3.18	1.50	1.76	10.41
Living arrangements	1.16	0.46	0.38	4.21
Age	0.17	0.14	0.16	0.32

Supplementary Table 2. Odds ratios (OR) and 95% confidence intervals (CI) and the relative importance indicators (standardized coefficients (SC) and dominance rank (DR) based on the standardized general dominance statistic (SGDS)) of the association between predictors and being reported to the police as unsuitable to own a firearm.

	OR (95%CI)	SC	SGDS	DR
Diagnosis				
Alzheimer's Disease	Ref	Ref		
Frontotemporal dementia	3.33 (1.59-6.89)	0.203		
Lewy body dementia	0.88 (0.44-1.66)	0.176		
Mixed dementia	1.59 (1.06-2.36)	0.176	0.014	1
Vascular dementia	1.56 (1.01-2.43)	0.182		
Other	1.62 (0.58-4.02)	0.066		
Unspecified	1.17 (0.74-1.84)	0.061		
Age				
<74	Ref	Ref		
74-78	1.32 (0.91-1.92)	0.121	0.006	7
79-84	1.4 (0.95-2.05)	0.148		
>84	0.77 (0.48-1.23)	-0.102		
Gender				
Female versus Male	0.63 (0.35-1.06)	-0.126	0.002	6
Mini-Mental State Examination				
Very severe (0-10)	Ref	Ref		
Moderate severe (11-18)	1.07 (0.48-2.57)	0.026	0.009	5
Moderate (19-23)	0.61 (0.28-1.47)	-0.235		
Mild (24-30)	0.56 (0.25-1.35)	-0.281		
Living arrangements				
Living alone	Ref	Ref		
Nursing Home	2.35 (1.2-4.52)	0.153	0.014	2
Living with another person	1.84 (1.32-2.55)	0.263		
Diagnostic institution				
Primary care versus Memory Clinic	0.59 (0.44-0.78)	-0.323	0.013	3
Daycare				
Yes versus no	0.94 (0.38-2.13)	-0.010	0	17
Homecare				
Yes versus no	0.96 (0.63-1.43)	-0.017	0.001	8
N-Methyl-D-aspartate receptor antagonists				
Yes versus no	1.01 (0.64-1.59)	0.004	0	9
Acetylcholinesterase inhibitors				
Yes versus no	0.93 (0.67-1.3)	-0.036	0.002	7
Vascular drugs				
Yes versus no	0.91 (0.66-1.25)	-0.043	0	9
Antidepressants				
Yes versus no	0.84 (0.61-1.16)	-0.073	0	9
Antipsychotics				
Yes versus no	3.14 (1.62-6.14)	0.197	0.0102	4
Hypnotics				
Yes versus no	1.81 (1.16-2.8)	0.170	0.006	5
Anxiety suppressors				
Yes versus no	0.96 (0.51-1.72)	-0.010	0	9