

SUPPLEMENTARY MATERIALS

Supplementary table 1: STROBE Statement—Checklist of items that should be included in reports of cohort studies

	Item No	Recommendation	Page No
Title and abstract	1	(a) Indicate the study's design with a commonly used term in the title or the abstract	1
		(b) Provide in the abstract an informative and balanced summary of what was done and what was found	2
Introduction			
Background/rationale	2	Explain the scientific background and rationale for the investigation being reported	3-4
Objectives	3	State specific objectives, including any prespecified hypotheses	4
Methods			
Study design	4	Present key elements of study design early in the paper	4
Setting	5	Describe the setting, locations, and relevant dates, including periods of recruitment, exposure, follow-up, and data collection	4
Participants	6	(a) Give the eligibility criteria, and the sources and methods of selection of participants. Describe methods of follow-up (b) For matched studies, give matching criteria and number of exposed and unexposed	5
Variables	7	Clearly define all outcomes, exposures, predictors, potential confounders, and effect modifiers. Give diagnostic criteria, if applicable	7-8
Data sources/ measurement	8*	For each variable of interest, give sources of data and details of methods of assessment (measurement). Describe comparability of assessment methods if there is more than one group	4
Bias	9	Describe any efforts to address potential sources of bias	5-6 & 16-17
Study size	10	Explain how the study size was arrived at	10-12
Quantitative variables	11	Explain how quantitative variables were handled in the analyses. If applicable, describe which groupings were chosen and why	10-13
Statistical methods	12	(a) Describe all statistical methods, including those used to control for confounding (b) Describe any methods used to examine subgroups and interactions (c) Explain how missing data were addressed (d) If applicable, explain how loss to follow-up was addressed (e) Describe any sensitivity analyses	8-9

Results			
Participants	13*	(a) Report numbers of individuals at each stage of study—eg numbers potentially eligible, examined for eligibility, confirmed eligible, included in the study, completing follow-up, and analysed (b) Give reasons for non-participation at each stage (c) Consider use of a flow diagram	10-13 Provided within Supplementary material
Descriptive data	14*	(a) Give characteristics of study participants (eg demographic, clinical, social) and information on exposures and potential confounders (b) Indicate number of participants with missing data for each variable of interest (c) Summarise follow-up time (eg, average and total amount)	Page.11 Also provided in tables
Outcome data	15*	Report numbers of outcome events or summary measures over time	11-13
Main results	16	(a) Give unadjusted estimates and, if applicable, confounder-adjusted estimates and their precision (eg, 95% confidence interval). Make clear which confounders were adjusted for and why they were included (b) Report category boundaries when continuous variables were categorized (c) If relevant, consider translating estimates of relative risk into absolute risk for a meaningful time period	In Figures. Page.14
Other analyses	17	Report other analyses done—eg analyses of subgroups and interactions, and sensitivity analyses	13
Discussion			
Key results	18	Summarise key results with reference to study objectives	14
Limitations	19	Discuss limitations of the study, taking into account sources of potential bias or imprecision. Discuss both direction and magnitude of any potential bias	16-17
Interpretation	20	Give a cautious overall interpretation of results considering objectives, limitations, multiplicity of analyses, results from similar studies, and other relevant evidence	14-17
Generalisability	21	Discuss the generalisability (external validity) of the study results	14
Other information			
Funding	22	Give the source of funding and the role of the funders for the present study and, if applicable, for the original study on which the present article is based	18

*Give information separately for cases and controls in case-control studies and, if applicable, for exposed and unexposed groups in cohort and cross-sectional studies.

*Supplementary table 2: Read code definition for exposure record
Memory Concern*

Read code	description	Code list
Memory Concern		
1B1A.00	Memory loss - amnesia	Included
1B1A.11	Amnesia symptom	Included
1B1A.12	Memory loss symptom	Included
1B1A.13	Memory disturbance	Included
1B1A100	Short-term memory loss	Included
1B1S.00	Transient global amnesia	Included
1B1W.00	Transient epileptic amnesia	Included
1S23.00	Memory impairment	Included
28G..00	Forgetful	Included
E201700	Hysterical amnesia	Included
E2A1000	Mild memory disturbance	Included
Eu44000	[X]Dissociative amnesia	Included
G655.00	Transient global amnesia	Included
R00z000	[D]Amnesia (retrograde)	Included
R00z011	[D]Memory deficit	Included
R00z500	[D]Anterograde amnesia	Included
Ryu5000	[X]Other amnesia	Included
Z7CE400	Memory disturbance (& amnesia (& symptom))	Included
Z7CE412	Memory loss symptom	Included
Z7CE500	Forgetful	Included
Z7CE600	Amnesia	Included
Z7CE611	Memory loss	Included
Z7CE614	Memory loss - amnesia	Included
Z7CE615	Loss of memory	Included
Z7CE616	LOM - Loss of memory	Included
Z7CE700	Transient global amnesia	Included
Z7CE711	TGA - Transient global amnesia	Included
Z7CE800	Anterograde amnesia	Included
Z7CE811	Antegrade amnesia	Included
Z7CE900	Retrograde amnesia	Included
Z7CEC11	Loss of memory for recent events	Included
Z7CEH00	Memory impairment	Included
Z7CEH11	Memory dysfunction	Included
Z7CEH12	Memory deficit	Included
Z7CEH13	Bad memory	Included
Z7CEH14	Memory problem	Included
Z7CEH15	Poor memory	Included

Z7CEJ00	Memory lapses	Included
Z7CEK00	Minor memory lapses	Included
Z7CEL00	Mild memory disturbance	Included
Z7CF800	Poor short-term memory	Included
Z7CF811	Short-term memory loss	Included
Z7CF000	Poor long-term memory	Included
Z7CF011	Long-term memory loss	Included

*Supplementary Table 3: Read code definition for exposure record
Cognitive Decline*

Read code	description	Code list
Cognitive decline		
28E..00	Cognitive decline	Included
28E0.00	mild cognitive impairment	Included
28E1.00	Moderate cognitive impairment	Included
28E2.00	Severe cognitive impairment	Included
28E3.00	Cognitive impairment	Included
3AE1.00	GDS level 2 - very mild cognitive decline	Included
3AE2.00	GDS level 3 - mild cognitive decline	Included
3AE3.00	GDS level 4 - moderate cognitive decline	Included
3AE4.00	GDS level 5 - moderately severe cognitive decline	Included
3AE5.00	GDS level 6 - severe cognitive decline	Included
6AQ..00	mild cognitive impairment review	Included
E2A1100	Organic memory impairment	Included
Eu05700	[X]Mild cognitive disorder	Included
Z7C1.00	Impaired cognition	Included
ZRLfE00	Health of the Nation Outcome Scale item 4 - cognitive problem	Included
ZS3..00	Language-related cognitive disorder	Included

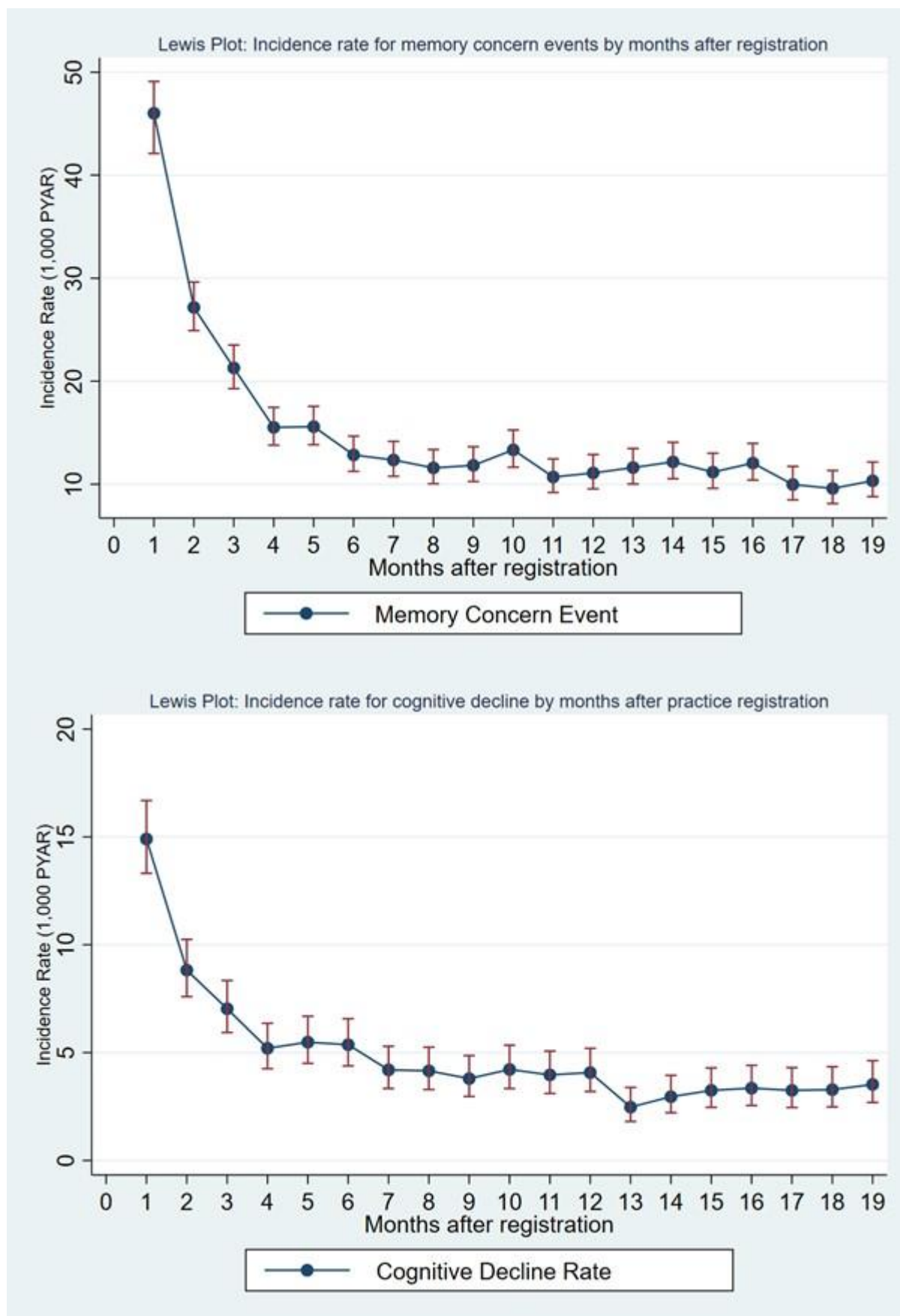
Supplementary table 4: Read code definition for Outcome Dementia

Read code	description	Code list
Dementia		
F112.00	senile degeneration of brain	Included
1JA2.00	suspected dementia	Included
66h..00	dementia monitoring	Included
6AB..00	dementia annual review	Included
8BM0200	dementia medication review	Included
8CMG200	review of dementia advance care plan	Included
8CMZ.00	dementia care plan	Included
8CMZ000	dementia care plan agreed	Included
8CMZ100	dementia care plan reviewed	Included
8CMZ200	dementia care plan declined	Included
8CMZ300	dementia care plan review declined	Included
8CMe000	dementia advance care plan	Included
8CSA.00	dementia advance care plan agreed	Included
8IAe000	dementia advance care plan declined	Included
8IAe200	dementia advance care plan review declined	Included
90u..00	dementia monitoring administration	Included
90u1.00	dementia monitoring first letter	Included
90u2.00	dementia monitoring second letter	Included
90u3.00	dementia monitoring third letter	Included
90u4.00	dementia monitoring verbal invite	Included
90u5.00	dementia monitoring telephone invite	Included
9hD..00	exception reporting: dementia quality indicators	Included
9hD0.00	excepted from dementia quality indicators: patient unsuitabl	Included
9hD1.00	excepted from dementia quality indicators: informed dissent	Included
E00..11	senile dementia	Included
E00..12	senile/presenile dementia	Included
E000.00	uncomplicated senile dementia	Included

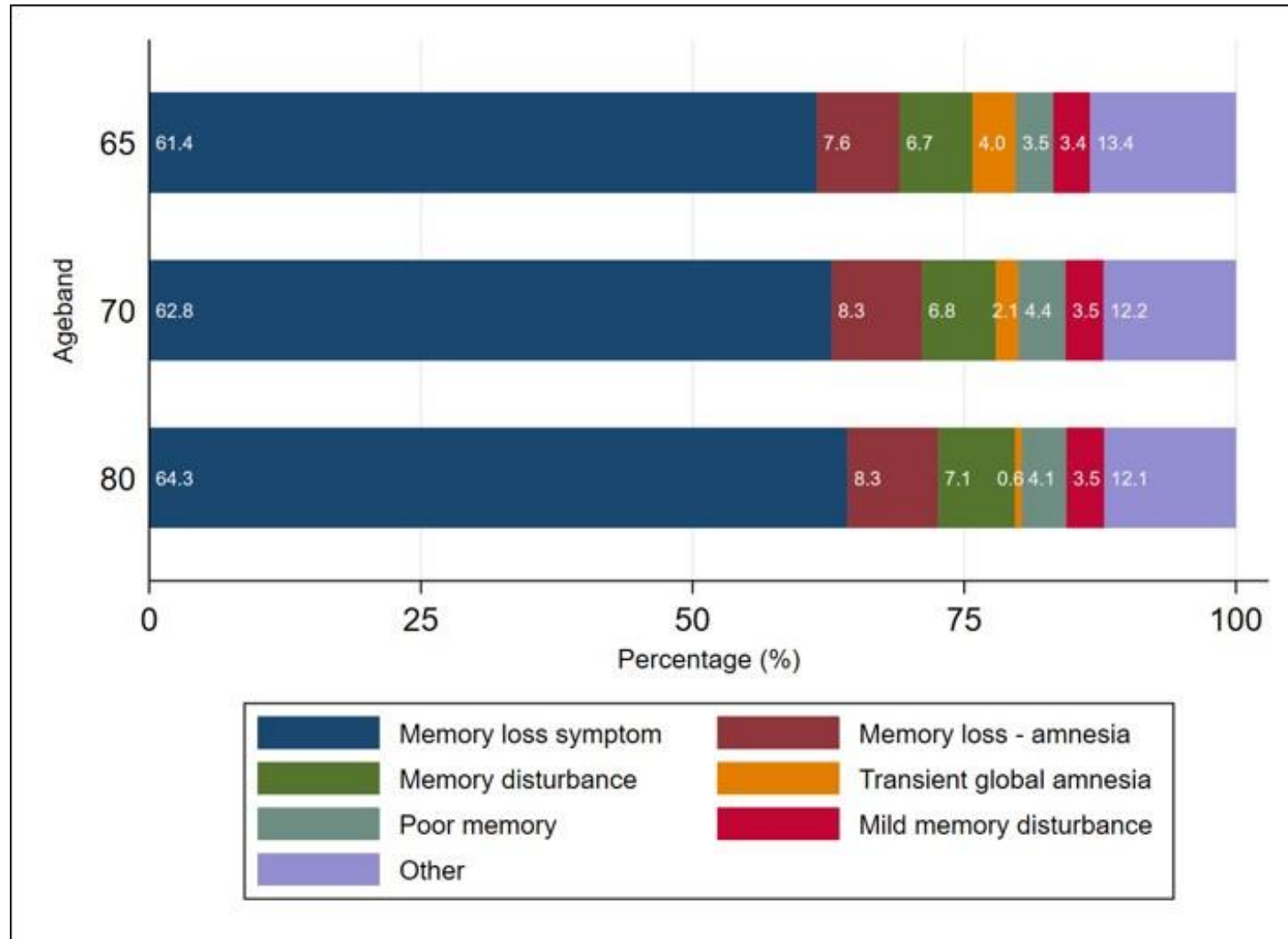
E002.00	senile dementia with depressive or paranoid features	Included
E002000	senile dementia with paranoia	Included
E002100	senile dementia with depression	Included
E002z00	senile dementia with depressive or paranoid features nos	Included
E003.00	senile dementia with delirium	Included
E004.00	arteriosclerotic dementia	Included
E004.11	multi infarct dementia	Included
E004000	uncomplicated arteriosclerotic dementia	Included
E004100	arteriosclerotic dementia with delirium	Included
E004200	arteriosclerotic dementia with paranoia	Included
E004300	arteriosclerotic dementia with depression	Included
E004z00	arteriosclerotic dementia nos	Included
E041.00	dementia in conditions ec	Included
Eu00.00	[x]dementia in alzheimer's disease	Included
Eu00013	[x]alzheimer's disease type 2	Included
Eu00100	[x]dementia in alzheimer's disease with late onset	Included
Eu00112	[x]senile dementia,alzheimer's type	Included
Eu00113	[x]primary degen dementia of alzheimer's type, senile onset	Included
Eu00200	[x]dementia in alzheimer's dis, atypical or mixed type	Included
Eu00z00	[x]dementia in alzheimer's disease, unspecified	Included
Eu00z11	[x]alzheimer's dementia unspec	Included
Eu01.00	[x]vascular dementia	Included
Eu01.11	[x]arteriosclerotic dementia	Included
Eu01000	[x]vascular dementia of acute onset	Included
Eu01100	[x]multi-infarct dementia	Included
Eu01111	[x]predominantly cortical dementia	Included
Eu01200	[x]subcortical vascular dementia	Included
Eu01300	[x]mixed cortical and subcortical vascular dementia	Included
Eu01y00	[x]other vascular dementia	Included
Eu01z00	[x]vascular dementia, unspecified	Included

Eu02.00	[x]dementia in other diseases classified elsewhere	Included
Eu02y00	[x]dementia in other specified diseases classif elsewhere	Included
Eu02z00	[x] unspecified dementia	Included
Eu02z13	[x] primary degenerative dementia nos	Included
Eu02z14	[x] senile dementia nos	Included
Eu02z16	[x] senile dementia, depressed or paranoid type	Included
Eu04100	[x]delirium superimposed on dementia	Included
F110.00	alzheimer's disease	Included
F110100	alzheimer's disease with late onset	Included
Fyu3000	[x]other alzheimer's disease	Included
ZS7C500	language disorder of dementia	Included

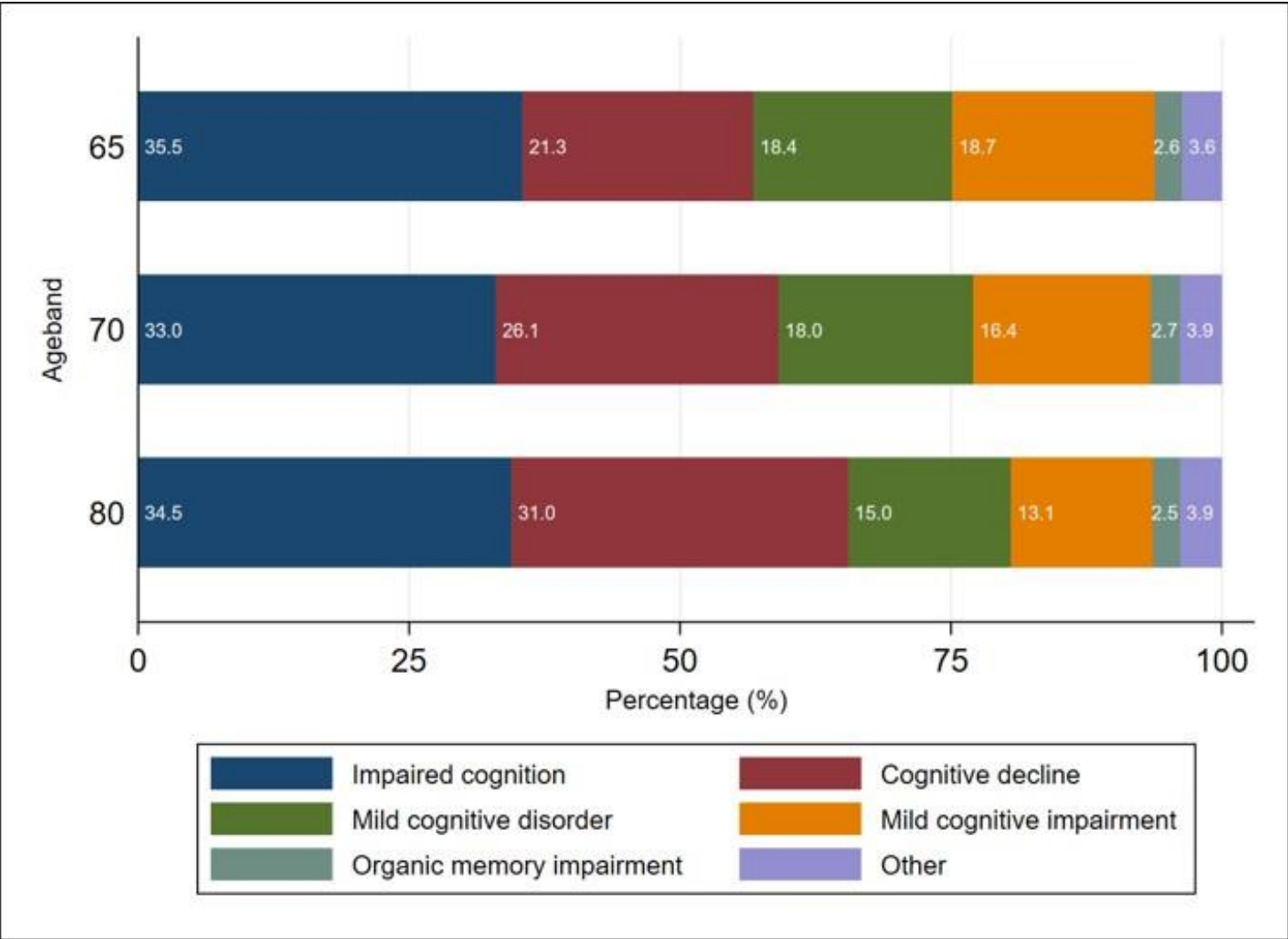
Supplementary figure 1. Lewis plots of incidence rate for events after registration.



Supplementary figure 2: Percentage (%) of Read codes used (by ageband) for case definition of Memory Concern



Supplementary figure 3: Percentage (%) of Read codes used (by ageband) for case definition of Cognitive Decline



Supplementary Figure 4: flowchart of Participant selection based on Survival analysis criteria

