Supplementary Table 1. Codes and related datasets/variables used to identify dementia cases

| **Data source(s)** | **Coding Scheme** | **Code(s)** (Description) | **Applicable datasets (relevant variables)** |
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| Pharmaceutical Benefits Scheme (PBS) | ATC | * **N06DA01** (Tacrine) * **N06DA02** (Donepezil) * **N06DA03** (Rivastigmine) * **N06DA04** (Galantamine) * **N06DA05** (Ipidacrine) * **N06DA52** (Donepezil and Memantine) * **N06DA53** (Donepezil   Memantine and Ginkgo folium)   * **N06DX01** (Memantine) | * PBS (atc\_code) |
| Emergency Department Data Collections (EDDC) | ICD-9-CM | * **2900** (Senile dementia, uncomplicated) * **29010** (Presenile dementia, uncomplicated) * **29040** (Arteriosclerotic dementia, uncomplicated) * **2912** (Other alcoholic dementia) * **2941** (Dementia in conditions classified elsewhere) * **2949** (Unspecified organic brain syndrome (chronic)) * **3310** (Alzheimer's disease) | * EDDC (ed\_diagnosis\_code) |
| * Admitted Patients Data Collections (APDC) * Emergency Department Data Collections (EDDC) * Cause of Death (COD) * Mental Health Ambulatory (MHA) | ICD-10-AM | * **F00** (Dementia in Alzheimer's disease) * **F01** (Vascular dementia) * **F02** (Dementia in other diseases classified elsewhere) * **F03** (Unspecified dementia) * **F05.1** (Delirium superimposed on dementia) * **F10.7** (Mental and behavioural disorders due to alcohol use (Alcoholic dementia NOS, Dementia and other milder forms of persisting impairment of cognitive functions)) * **G30** (Alzheimer's disease) * **G31** (Other degenerative diseases of nervous system, not elsewhere classified) | * APDC (diagnosis\_code\_P, diagnosis\_code1 – diagnosis\_code50) * EDDC (ed\_diagnosis\_code) * COD (Primary: ucod\_recode\*, cause\_1\*\*; Secondary: RACS1-RACS20\*, othercauses\*\*) * MHA (cd\_diagnosis\_code\_curr) |
| Emergency Department Data Collections (EDDC) | SNOMED CT | * **52448006** (dementia disorder) * **191519005** (dementia associated with another disease (disorder)) * **429998004** (vascular dementia (disorder)) | * EDDC (ed\_diagnosis\_code\_sct) |
| * Aged Care Assessment Program (ACAP) * Aged Care Funding Instrument (ACFI) | Health Conditions (Aged Care) | * **0500** (Dementia in Alzheimer’s disease) * **0501** (Dementia in Alzheimer’s disease with early onset (<65 years)) * **0502** (Dementia in Alzheimer’s disease with late onset (>65 years)) * **0503** (Dementia in Alzheimer’s disease, atypical or mixed type) * **0504** (Dementia in Alzheimer’s disease, unspecified) * **0510** (Vascular dementia) * **0511** (Vascular dementia of acute onset) * **0512** (Multi-infarct dementia) * **0513** (Subcortical vascular dementia) * **0514** (Mixed cortical & subcortical vascular dementia) * **0515** (Other vascular dementia) * **0516** (Vascular dementia – unspecified) * **0520** (Dementia in other diseases classified elsewhere) * **0521** (Dementia in Pick’s disease) * **0522** (Dementia in Creutzfeldt-Jakob disease) * **0523** (Dementia in Huntington’s disease) * **0524** (Dementia in Parkinson’s disease) * **0525** (Dementia in human immunodeficiency virus (HIV) disease) * **0526** (Dementia in other specified diseases classified elsewhere) * **0530** (Other dementia) * **0531** (Alcoholic dementia) * **0532** (Unspecified dementia (includes presenile & senile dementia)) | * ACAP (HC1 – HC10) * ACFI (Q13\_C1 - Q13\_C3) |
| Home Care Package - Entry | Home Care Package - Entry | * **EACHD** (Extended Aged Care at Home - Dementia) | HCP (ENTRY\_TYPE) |