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| **Variables** | **Labels** | **Categories** |
| ch | Care home ID |  |
| pat\_ID | Resident ID |  |
| Age | Resident age (grouped 5-year categories) |  |
| Gender | Resident gender | 1=Male  2=Female |
| Ethnicity | Resident ethnicity | 0=White  1=Non-white |
| CMAIscore | Cohen-Mansfield Agitation Inventory score |  |
| CDRscore | Clinical Dementia Rating score | 1=None  2=Questionable  3=Mild  4=Moderate  5=Severe |
| NPIagitation | Neuropsychiatric Inventory score |  |
| CHtype | Care home type | 1=Nursing  3=Personal care |
| REGdementia | Registered dementia care home | 1=Yes  0=No |
| SPECdementia | Specialist dementia care home | 1=Yes  0=No |
| Inpatient | Type and number (in parentheses) of overnight inpatient stay | 1=Geriatric ward  2=Acute psychiatric ward 3=Psychiatric rehabilitation ward 4=General medical/planned inpatient admission  5=General medical non-elective/unplanned inpatient admission  6=General medical intensive care/High dependency unit |
| Outpatient | Type and number (in parentheses) of outpatient contacts | 1=General medical appointment 2=Day patient procedure/test 3=Memory clinic  4=Psychiatric outpatient appointment |
| AandE\_admission | Accident and emergency service admissions | 0=No contact  1=Admission  2=No admission |
| Primary\_care | Type and number (in parentheses) of primary care contacts | 1=Paramedic  2=General practitioner  3=Community matron/ nurse  4=Community psychiatric nurse/ community mental health nurse  5=Older person community team member  6=Other mental health professional  7=Practice Nurse  8=Night nurse  9=Specialist nurse  10=Other community doctor |
| Social\_care | Type and number (in parentheses) of social care contacts | 1=Social worker or care manager  2=Home care/home help worker  3=Private home help/cleaner  4=Night sitter/carer  5=Sitting scheme  6=Meals on wheels  7=Laundry service |
| Professionals | Type and number (in parentheses) of professionals contacts | 1=Geriatrician  2=Neurologist  3=Psychiatrist  4=Physiotherapist  5=Occupational therapist  6=Psychologist  7=Other |
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| Cost\_inpatient | Cost of inpatient contacts |  |
| Cost\_outpatient | Cost of outpatient contacts |  |
| Cost\_AandE | Cost of accident and emergency contacts |  |
| Cost\_primary\_care | Cost of primary care contacts |  |
| Cost\_social\_care | Cost of social care contacts |  |
| Cost\_professionals | Cost of professionals contacts |  |