

Indicator: Fall-related hospitalisation

Indicator Definition

Proportion of home care recipients who have experienced one or more falls resulting in hospitalisation or emergency department presentation

Indicator Specification

Numerator data source

SA APC, SA NAEC, NSW APDC, NSW EDDC, VAED, VAMD, QLD EDC, QHAPDC, NDI

Numerator

Number of home care recipients who had a fall that resulted in emergency department presentation, hospitalisation (where onset is not during the hospitalisation), or death for fall (Table 1)

Table 1. Falls, descriptions and ICD-10-AM codes¹

Description	Code
Fall on same level from slipping, tripping and stumbling	W01*
Other fall on same level due to collision with another person	W03*
Fall while being carried or supported by other persons	W04*
Fall from non-moving wheelchair, nonmotorized scooter and motorized mobility scooter	W05 *
Fall from bed	W06*
Fall from chair	W07*
Fall from other furniture	W08*
Fall on and from playground equipment	W09*
Fall on and from stairs and steps	W10*
Fall on and from ladder	W11*
Fall on and from scaffolding	W12*
Fall from, out of or through building or structure	W13*
Fall from tree	W14*
Fall from cliff	W15*
Fall, jump or diving into water	W16*
Other fall from one level to another	W17*
Other slipping, tripping and stumbling and falls	W18*
Unspecified fall	W19*
Tendency to fall, not elsewhere classified ²	R29.6

SA APC: South Australian Admitted Patient Care; **SA NAEC:** South Australian Non-Admitted Emergency Care; **NSW APDC:** New South Wales Admitted Patient Data Collection; **NSW EDDC:** New South Wales Emergency Department Data Collection; **VAED:** Victorian Admitted Episodes Dataset; **VAMD:** Victorian Emergency Minimum Dataset; **QLD EDC:** Queensland Emergency Department Collection; **QHAPDC:** Queensland Hospital Admitted Patient Data Collection;

NDI: National Death Index. **ICD-10-AM:** International Classification of Diseases 10th edition Australian Modification.

¹State specific admitted hospitalisation variables: SA, VIC and QLD (injury event- external cause code), NSW (first listed external cause [i.e. ICD-10-AM codes V01-Y98] within diagnosis array 1). Excluded onset in hospital.

State specific emergency encounters variables: SA, NSW and QLD (diagnosis), VIC (injury cause).

²NSW uses a mix of SNOMED CT, ICD-9-AM and ICD-10-AM coding over the years in emergency department encounters. All codes in emergency department encounters were mapped to ICD-10-AM codes. All codes mapped to the ICD-10-AM codes in this table were considered falls, except for SNOMED CT codes 129839007 ('at risk of falls') or 430576002 ('at risk of injury due to falls'), which were excluded. **SNOMED:** Systematized Nomenclature of Medicine. **ICD-9-AM:** International Classification of Diseases, Ninth Revision, Australian Modification.

Denominator

Number of home care recipients

Exclusions

None

Covariates

Age, sex, number of health conditions, dementia (Table 2)

Table 2. Dementia diagnoses, including ACAP MDSV2.0, NSAF codes³, ATC codes and used ICD-10 AM codes for ascertainment

Data source	Description ⁴	Code
	Condition	ACAP MDSV2.0 and NSAF code
ACAP, NSAF	Dementia in Alzheimer's disease	0500
	Dementia in Alzheimer's disease with early onset (<65 yrs)	0501
	Dementia in Alzheimer's disease with late onset (>65 yrs)	0502
	Dementia in Alzheimer's disease, atypical or mixed type	0503
	Dementia in Alzheimer's disease, unspecified	0504
	Vascular dementia	0510
	Vascular dementia of acute onset	0511
	Multi-infarct dementia	0512
	Subcortical vascular dementia	0513
	Mixed cortical & subcortical vascular dementia	0514
	Other vascular dementia	0515
	Vascular dementia – unspecified	0516
	Dementia in other diseases classified elsewhere	0520
	Dementia in Pick's disease	0521
	Dementia in Creutzfeldt-Jakob disease	0522
	Dementia in Huntington's disease	0523
	Dementia in Parkinson's disease	0524
	Dementia in human immunodeficiency virus (HIV) disease	0525
	Dementia in other specified diseases classified elsewhere	0526
	Lewy body dementia	0584
	Other dementia	0530
	Alcoholic dementia	0531
	Unspecified dementia (includes presenile & senile dementia)	0532
	Delirium superimposed on dementia	0542
Data Source	Drug name	ATC codes
PBS	Donepezil	N06DA02
	Rivastigmine	N06DA03
	Galantamine	N06DA04
	Memantine	N06DX01
	Risperidone for dementia	N05AX08 AND PBS item codes 08787L, 08788M, 08789N, 08790P, 08791Q, 09293D, 01842Y, 11869Q, 11872W, 11874Y, 11877D, 11873X, 11879F, 11881H, 11882J
Sources	Description	ICD-10 AM codes
SA APC, SA	Dementia in Alzheimer's disease	F00*
NAEC, NSW	Vascular dementia	F01*
APDC, NSW	Dementia in other diseases classified elsewhere	F02*
EDDC, VAED,	Unspecified dementia	F03*
VAMD, QLD	Delirium superimposed on dementia	F05.1
EDC, QHAPDC	Alzheimer's disease	G30*

Lewy body disease	G31.3
Dementia (including in Alzheimer's disease)	U79.1
<p>³All codes are used in the assessment conducted prior to entering home care. ⁴For individuals receiving home care packages, dementia was ascertained using at least one of the following indications: (1) health conditions reported in any prior aged care eligibility assessments); or (2) hospitalisations or ED presentations for dementia in the 365 days prior to the reporting period or first home care package episode; or (3) a history of dispensing of medications (ATC item codes) specific for dementia, including acetylcholinesterase inhibitors or memantine or risperidone for the treatment of behavioural and psychological symptoms of dementia, within the 182 days prior to the start of the reporting period, or date of fist home care package episode for new residents during the reporting period.</p> <p>ACAP: Aged Care Assessment Program; NSAF: National Screening and Assessment Form; ACFI: Aged Care Funding Instrument; PBS: Pharmaceutical Benefits Scheme. ICD-10-AM: International Classification of Diseases, Tenth Revision, Australian Modification. SA APC: South Australian Admitted Patient Care; SA NAEC: South Australian Non-Admitted Emergency Care; NSW APDC: New South Wales Admitted Patient Data Collection; NSW EDDC: New South Wales Emergency Department Data Collection; VAED: Victorian Admitted Episodes Dataset; VEMD: Victorian Emergency Minimum Dataset; QLD EDC: Queensland Emergency Department Collection; QHAPDC: Queensland Hospital Admitted Patient Data Collection.</p> <p>Stratifications None</p> <p>Comments We have attempted to include only falls that individuals had prior to presenting at the hospital- this means including only 'external causes of injury' (without 'condition onset' flag =1) for inpatient admissions, and diagnosis for emergency department presentations (or 'injury cause' for Vic only). See above notes for specific variables from states where this information was extracted from.</p>	

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Any enquires about, or comments on, this Technical Specification document should be directed to:

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