

Fall without fracture bed-days



Source: [/measure/fall-without-fracture-bed-days](#)

Description

This measure shows the total number of days spent in hospital following an acute admission for a fall for people without fractures. It replicates 'Fall without fracture admissions' but shows bed-days (ie, the total amount of time spent in the hospital) instead of admissions. It is a proxy for the hospital resources that are used by different types of fall admissions. Improving the rehabilitation process inside a hospital can reduce the time spent in a hospital bed. Reducing the length of stay, as above, can help to maintain function and independence in older people. This indicator aligns closely with the system-level measure framework contributory measure for Acute Hospital Bed Days.

Measure set

Falls and fractures

Improved recovery (hospital)

Notes about this measure set

Type of fall injury is based on the first event in the stay.

Non-fracture: No fracture code recorded in diagnosis codes 1–30

Calculating stays

Consecutive events that together make a stay are calculated with a similar methodology to the Manatū Hauora system-level measure Acute Hospital Bed Days.

Events are considered part of the same stay if:

- the NHI was the same
- the previous event had a transfer end type (DA, DF, DO, DP, DT, DW or ET)
- the end date of the previous event was before or within 1 day of the next event
- there was an external cause code of a fall (W00–W19) that occurred either on or before the event start date.

All sub-analyses are based on the information recorded in the first event in the stay. Sub-analysis is available using the following filters:

- Te Whatu Ora district
- ethnicity (Māori, Pacific, Asian and Other [including unknown]).

Numerator

The number of bed-days for all the events in acute and arranged admissions (stays) in hospital as the result of a fall for people without fractures. See notes for ICD codes and definitions

Denominator

Resident population, Stats NZ population projections

Denominator detail

Stays included in this measure are those that:

- started with an acute or arranged event (admission type codes AA, AC, ZA or ZC)
- started with an event that had an external cause code of a fall (W00–W19) that occurred either on or before the event start date.

Denominator exclusions

Stays excluded from this measure are those that:

- had an unknown age or gender
- had an unknown health district, except when aggregated into the national total
- consisted of only non-case-mix events (EXCLU purchase unit); non-case-mix events are otherwise included as long as a case-mix event is within the stay
- started with a non-acute event code (ie, excluding falls that clearly occur in hospitals, like those measured in the Te Tāhā Hauora quality and safety markers).

Additionally, total bed-days excludes:

- bed-days for residential care (health speciality code D10–19, D30–39, D50–59 or D70–79)
- leave days.

Responsible organisation(s)

Health Quality & Safety Commission | Te Tāhā Hauora