

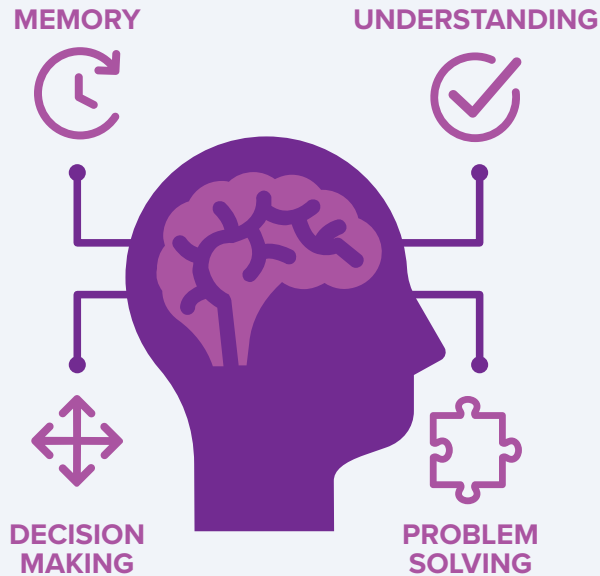
Health outcomes for adults with cognitive impairment

a national analysis of admitted patient care

AUSTRALIAN COMMISSION
ON SAFETY AND QUALITY IN HEALTH CARE

What is cognitive impairment?

Difficulty with cognition such as



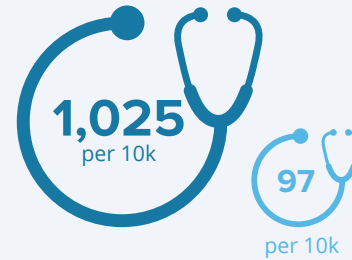
Cognitive impairment is not a disease.
It is associated with many diagnoses such as



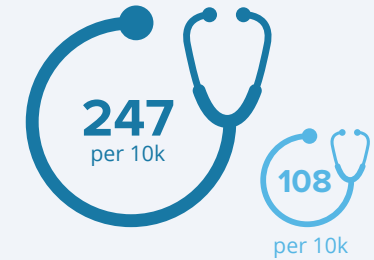
- ✓ Delirium & dementia
- ✓ Brain injury & stroke
- ✓ Neurodegeneration
- ✓ Intellectual disability
- ✓ Developmental disorder

Hospital-acquired complications (HACs)

11x
crude
HACs rate

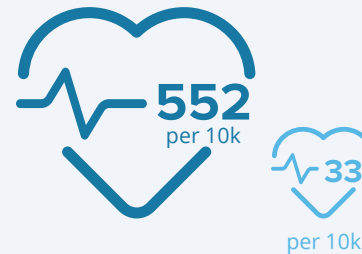


2x
adjusted
HACs rate

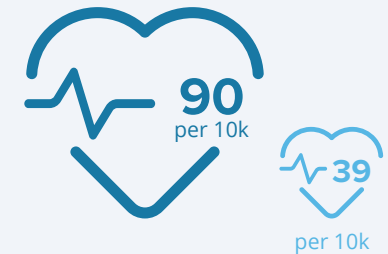


In-hospital mortality

17x
crude
in-hospital
mortality rate



2x
adjusted
in-hospital
mortality rate



cognitive impairment | **no cognitive impairment**

Risk adjustment patient factors = age, sex, non/surgical, Major Diagnosis Category, intensive care required, urgency of admission, Charlson Comorbidity Index, transfer status

The Australian Commission on Safety and Quality in Health Care lead and coordinate national evidence-based improvements in the safety and quality of Australian health care.

[mail@safetyandquality.gov.au](mailto:safetyandquality.gov.au)
safetyandquality.gov.au

Scan the
QR Code for
a full analysis
report and
resource links



Health outcomes for adults with cognitive impairment

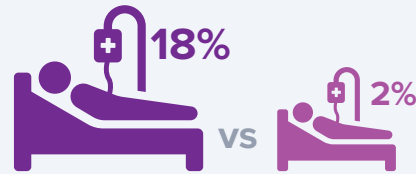
a national analysis of admitted patient care

Hospitalisation

Emergency admission



Intensive care unit admission



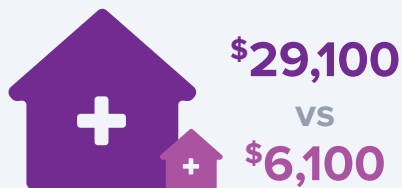
5x
with 4+ hospitalisations



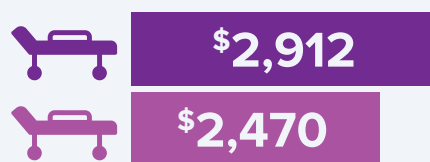
4x
greater average length of stay



5x
average cost per hospitalisation



18%
greater cost per acute bed day



cognitive impairment | no cognitive impairment

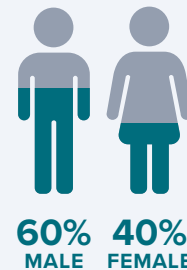
Demographics

Hospital separations with cognitive impairment

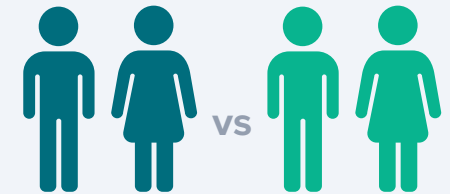
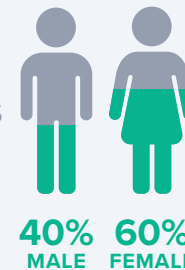
2% with cognitive impairment



cognitive impairment



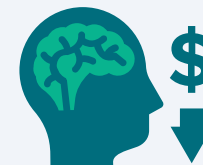
no cognitive impairment



cognitive impairment majority aged **50-64**

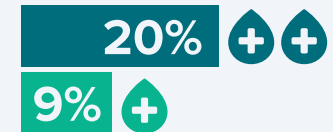
no cognitive impairment majority aged **18-34**

Higher mortality risk due to comorbidity



More socioeconomic disadvantage

2x rate of diabetes



cognitive impairment | no cognitive impairment