

Surgery - neurosurgery

Workforce modelling factsheet

NSW surgery – neurosurgery specialist clinical and non-clinical workforce characteristics in 2019



Workforce characteristics for NSW surgery - neurosurgery specialist clinical workforce in 2019



76
Headcount



12.9%
Female



53.3
Work hours per week



51.1
Years average age



15.6%
Aged 60+



2
New Fellows in 2018

Workforce characteristics for NSW surgery - neurosurgery trainees workforce in 2019



19
Headcount



21.1%
Female



6 years
Length of training

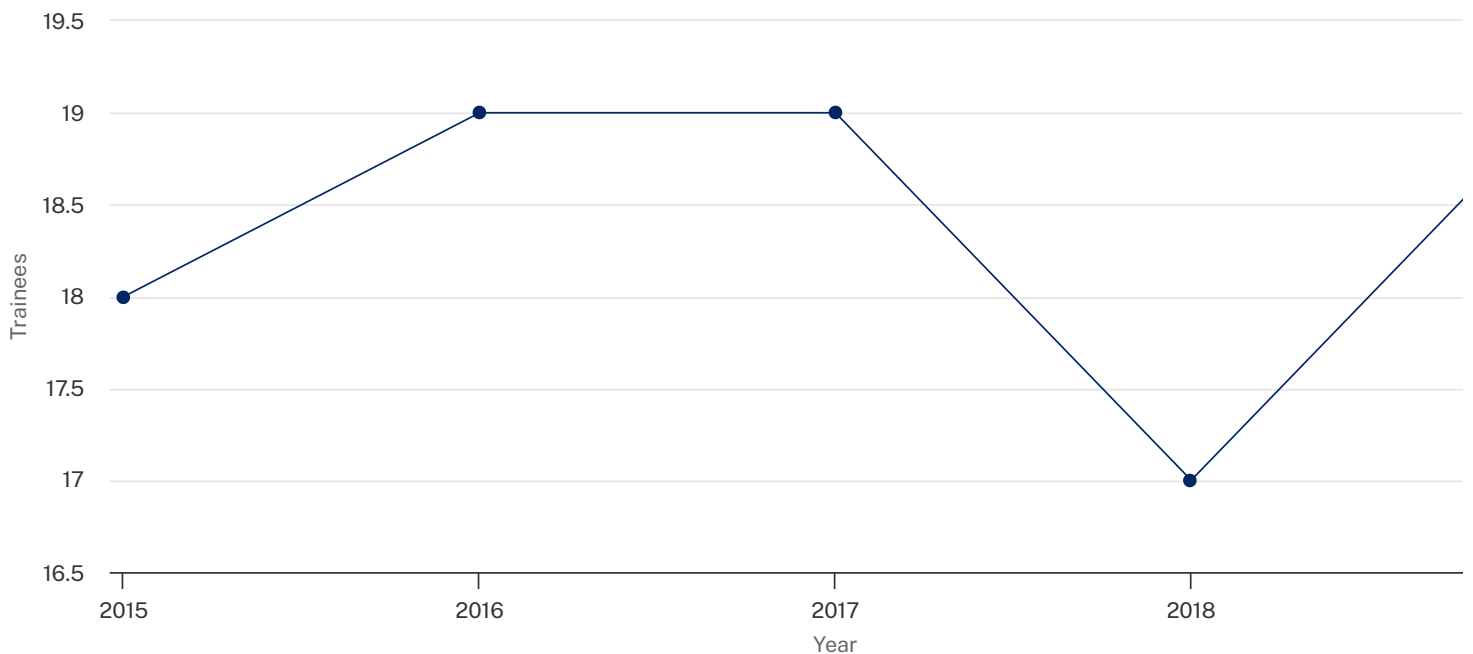


5.6%
Trainee growth 2015-2019



34.5%
NSW Australian trainees

Total trainees



Workforce requirement for NSW surgery - neurosurgery specialist workforce by 2035

Workforce modelling indicates the need to significantly grow the NSW specialist surgery – neurosurgery workforce by around **0.6 to 1.3** new fellows per annum entering the workforce to meet community need in 2035 across both high and low demand scenarios.



To meet the 2035 specialist workforce requirements through training, there is an ongoing need to increase the number of NSW trainees under the **low scenario by 1, to 20 total trainees** commencing per year and **high scenario by 2, to 21 total trainees** commencing per year.



Demand is expected to grow **0.7%** (low demand scenario) to **1.6%** (high demand scenario).

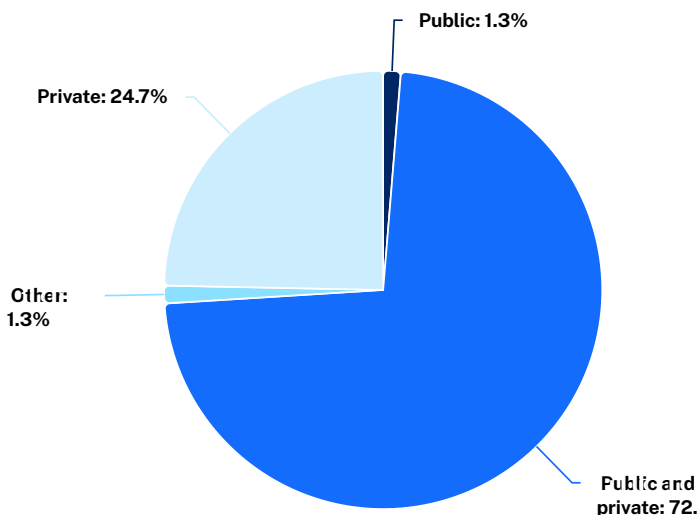


In 2035 the average fellow will be **51.4 years old** (if new entries enter the workforce).

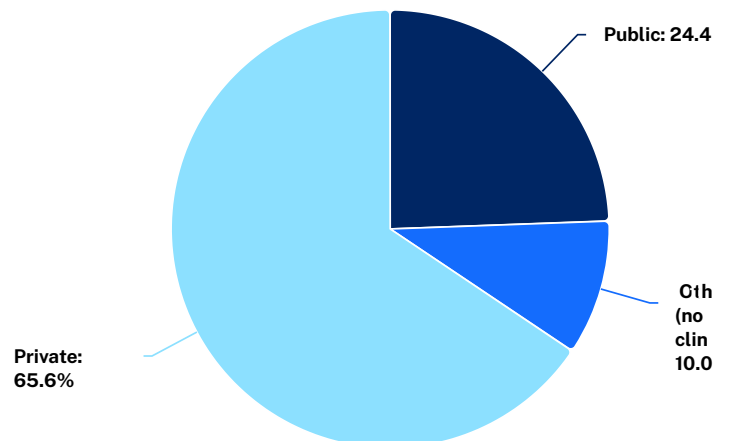
Workforce distribution for NSW surgery - neurosurgery workforce in 2019

Total NSW

Workforce by sector



Hours by sector



Metropolitan Sydney



65
Headcount



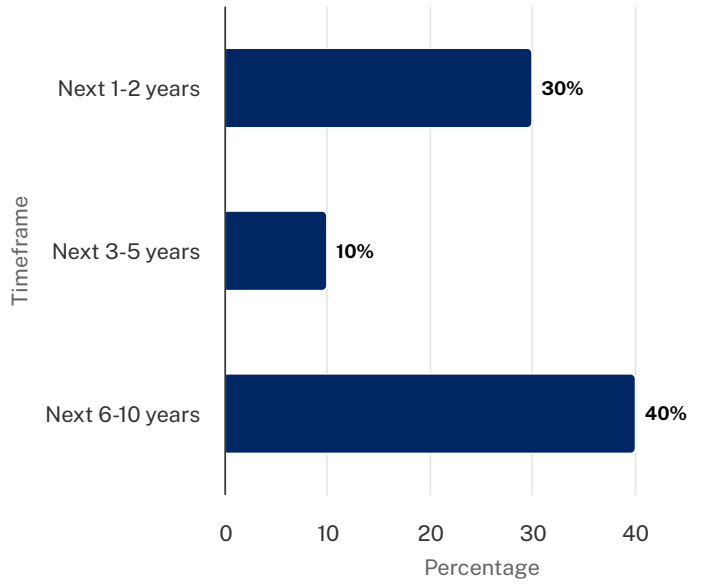
52.5
Work hours per week



50.9
Years average age



15.4%
Aged 60+



Retirement intentions age 60+

Non-metropolitan Sydney



12
Headcount



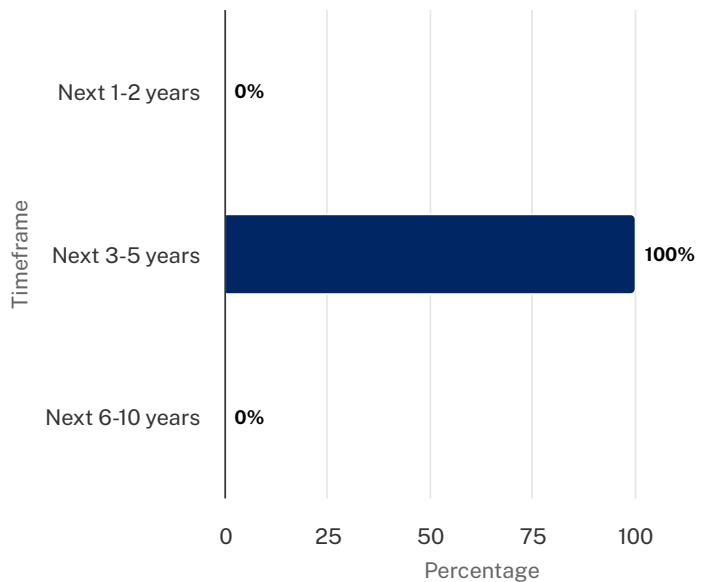
57.6
Work hours per week



52.4
Years average age

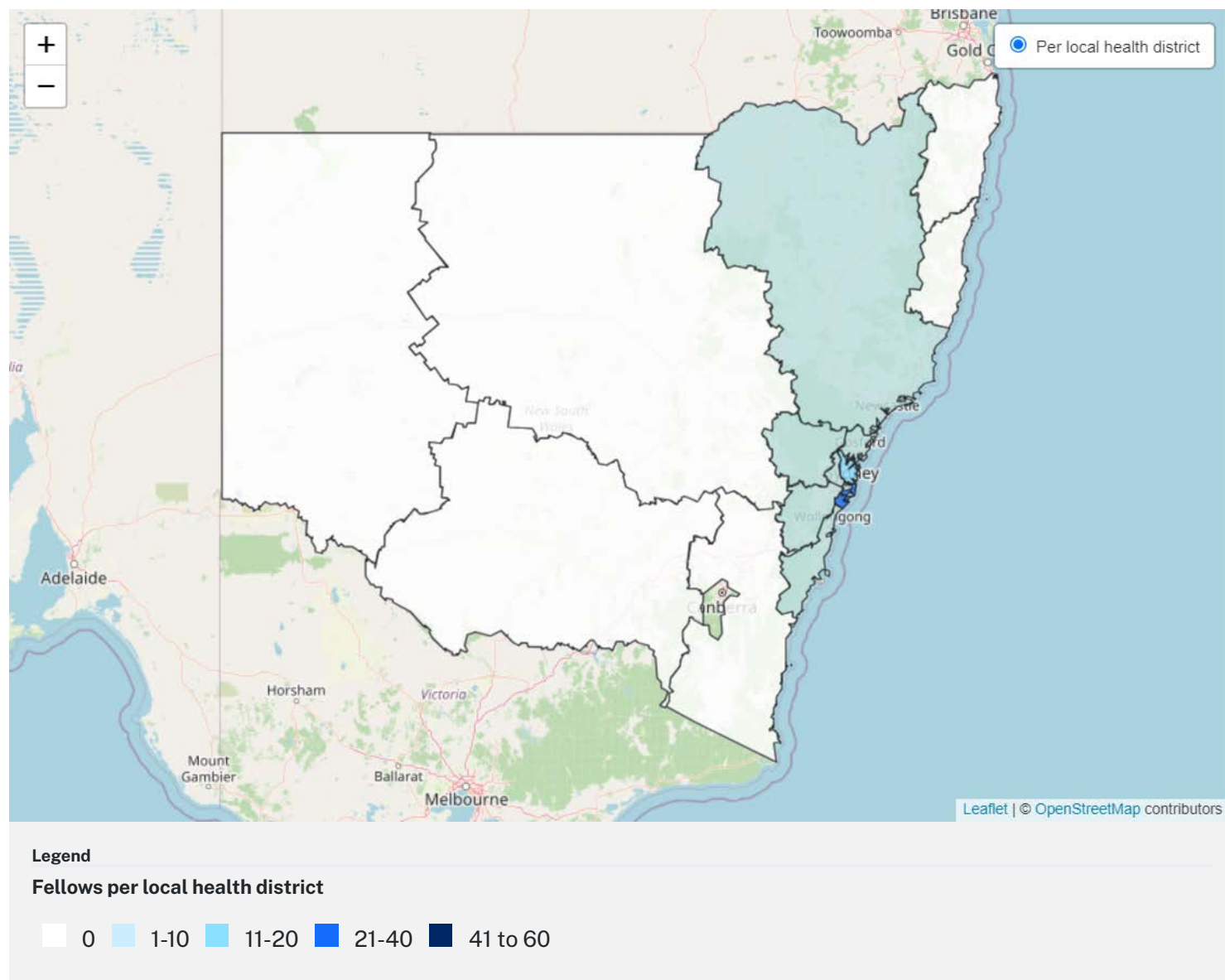


16.7%
Aged 60+



Retirement intentions age 60+

Workforce distribution for NSW surgery - neurosurgery workforce in 2019 by local health district



Workforce considerations

- Workforce modelling is based on current models of care. Any change in the models may impact on requirements.
- Any changes to current training programs will affect the workforce modelling outcome.
- Workforce modelling is based on current workforce hours profile by age co-hours. Any changes to hours worked by future clinicians will affect the model.
- There is an accepted error rate of plus or minus two per cent within workforce modelling.
- The model does not address any mal-distribution either by location (rural or regional) or sector (public or private).

Notes

Data source: The National Health Workforce Dataset – Australian Government Department of Health; The Medical Education and Training in Australia Report (MET); The Royal Australasian College of Surgeons Activity Report.