Radiology – Diagnostic Radiology

The Workforce

The branch of medicine concerned with the use of radiant energy (such as X-rays) or radioactive material in the diagnosis and treatment of disease. The Royal Australian and New Zealand College of Radiologists (RANZCR) is accredited by the Australian Medical Council (AMC) to deliver radiology training.

Supply and Distribution

**Metropolitan Sydney**
- Headcount: 435
- Hours per week: 42
- Average age: 50
- Aged over 60: 22%
- Retirement intentions (60+): Next 1-2 years 22%, Next 3-5 years 45%, Next 6-10 years 24%

**Non-Metropolitan Sydney**
- Headcount: 149
- Hours per week: 42
- Average age: 53
- Aged over 60: 30%
- Retirement intentions (60+): Next 1-2 years 34%, Next 3-5 years 40%, Next 6-10 years 21%

**Total NSW Workforce by Sector (percent)**

- Public only: 39%
- Private only: 18%
- Public and Private: 43%
- Other: 0%
- Other (Non-Clinical): 34.2%
- Private: 7.0%
- Public: 58.8%

**Trainees**

**Advanced Trainees in NSW:**
- 2015: NA
- 2016: NA
- 2017: NA

**NSW Trainees as % of Australia 2017:**
- NA

**Proportion female Trainees in Australia 2017:**
- NA

*Data sourced: The National Health Workforce Dataset – Australian Government Department of Health; The Australian Health Practitioner Regulation Agency (AHPRA); The Medical Education and Training in Australia Report (MET).
The Future in NSW - Workforce Planning to 2030

Workforce projections are provided for a low and high demand scenario. Where requirements for both scenarios are met without the need for additional fellows, the projected “No Growth” scenario workforce data is provided.

Estimated Demand Growth
Between 2.8% (low demand scenario) to 3.4% (high demand scenario).

Estimated Additional Fellows
All demand scenarios require additional fellows. Trainee numbers need to increase by approximately 25 per annum to meet projected 2030 requirements.

Estimated Workforce Size
In 2030, 920 to 1009 Headcount (assuming all additional fellows will enter the workforce).

Estimated percentage over 60 years
In 2030, 12.7% to 13.7% of workforce over 60 years.

Estimated Workforce Average Age
In 2030, 48.0 to 48.5 years.

Estimated demand growth
Between 2.8% (low demand scenario) to 3.4% (high demand scenario).

Estimated additional fellows
All demand scenarios require additional fellows. Trainee numbers need to increase by approximately 25 per annum to meet projected 2030 requirements.

Estimated workforce size
In 2030, 920 to 1009 Headcount (assuming all additional fellows will enter the workforce).

Estimated percentage over 60 years
In 2030, 12.7% to 13.7% of workforce over 60 years.

Estimated workforce average age
In 2030, 48.0 to 48.5 years.

Workforce Planning Priority and Assessment Framework

Retirement Intentions:
The factor associated with workforce retiring within the next 2 and the next 5 years

Ageing > 60
Major factor

Priority for Workforce Planning:
SUBSTANTIAL CAREER OPPORTUNITIES

Ageing:
The factor associated with the workforce aged over 60 and 70

Ageing > 70
Moderate factor

New Fellow Requirements:
The factor associated with the requirement to recruit additional trainees, based on workforce planning to 2030

New Fellow Requirements
Major factor

Small Workforce Size:
The factor associated with the sustainability of small workforces

Small Workforce Minimal factor

Rating Key: Minimal Factor < Minor Factor < Moderate Factor < Major Factor

Workforce Modelling 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)