

# Physician – Nuclear Medicine



#### The Workforce

Nuclear medicine uses very small amounts of unsealed radioactive materials to diagnose and treat disease. Nuclear medicine imaging is unique in that it provides doctors with information about both the anatomy of the body and its physiology. The Royal Australasian College of Physicians (RACP) is accredited by the Australian Medical Council (AMC) to deliver physician training.

#### **Workforce Characteristics in 2015**



92 Headcount



28.3% Female



40.0 hours per week



52.5 years average age



63.0% Workforce aged over 50

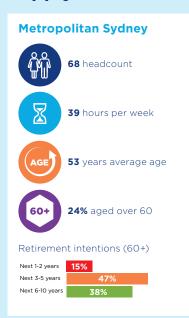


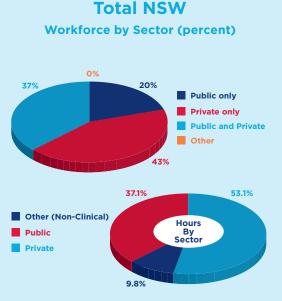
22.8% Workforce aged over 60

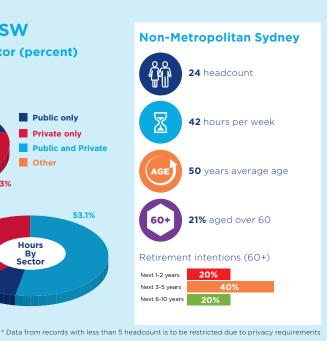


2 New Fellows in Australia in 2016

## **Supply and Distribution**







### **Trainees**



#### **Advanced Trainees in NSW:**

| 2015 | 2016 | 2017 |
|------|------|------|
| 10   | 8    | 7    |





Proportion female Trainees in Australia 2017

health.nsw.gov.au

## 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 1.5%
(low demand scenario)
to 2.9% (high demand
scenario).



Estimated Additional Fellows
All demand scenarios require
additional fellows. Trainee
numbers need to increase by
approximately 8 per annum
to meet projected 2030
requirements.



Estimated Workforce Size In 2030, 124 to 151 Headcount (assuming all additional fellows will enter the workforce).



Estimated Workforce
Average Age
In 2030,
49.3 to 50.7 years.



Estimated percentage
over 60 years
In 2030,
18.3% to 22.3%
of workforce
over 60 years.

## **Workforce Planning Priority and Assessment Framework**



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)