Paediatrics – Infectious Disease

The Workforce

An infectious disease Paediatrician is an internal medicine doctor (or, in some cases, pediatrician) who has been trained to be an expert in the diagnosis and treatment of infectious diseases. Through extensive training, they become experts in all kinds of infections caused by bacteria, viruses, fungi and parasites. The Royal Australasian College of Physicians (RACP) is accredited by the Australian Medical Council (AMC) to deliver paediatrics and child health training.

Workforce Characteristics in 2015

- **Headcount:** 6
- **Female:** 50.0%
- **Average Age:** 45.8 years
- **Aged over 50:** 20.0%
- **Aged over 60:** 16.7%
- **Hours per week:** 45.8
- **New Fellows in Australia in 2016:** 4

Supply and Distribution

<table>
<thead>
<tr>
<th>Metropolitan Sydney</th>
<th>Total NSW</th>
<th>Non-Metropolitan Sydney</th>
</tr>
</thead>
<tbody>
<tr>
<td>Headcount</td>
<td>5</td>
<td>1</td>
</tr>
<tr>
<td>Hours per week</td>
<td>*</td>
<td>*</td>
</tr>
<tr>
<td>Average Age</td>
<td>*</td>
<td>*</td>
</tr>
<tr>
<td>Aged over 60</td>
<td>*</td>
<td>*</td>
</tr>
</tbody>
</table>

Trainees

Advanced Trainees in NSW:

<table>
<thead>
<tr>
<th>Year</th>
<th>2015</th>
<th>2016</th>
<th>2017</th>
</tr>
</thead>
<tbody>
<tr>
<td>NSW Trainees as % of Australia 2017</td>
<td>16.7%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Proportion female trainees in Australia 2017</td>
<td>70.0%</td>
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</tbody>
</table>

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 0.8% (low demand scenario) to 1.9% (high demand scenario).

**Estimated Workforce Size**
- In 2030, 7 to 8 Headcount (assuming all additional fellows will enter the workforce).

**Estimated Workforce Average Age**
- In 2030, 49.9 to 51.3 years.

**Estimated percentage over 60 years**
- In 2030, 12.5% to 14.3% of workforce over 60 years.

**Estimated Additional Fellows**
- All demand scenarios require additional fellows. Trainee numbers need to increase by approximately 3 in total to meet projected 2030 requirements.

**Estimated Workforce**
- Between 0.8% (low demand scenario) to 1.9% (high demand scenario).

**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:** Minimal factor
- **Ageing > 70:** Moderate factor
- **New Fellow Requirements:** The factor associated with the requirement to recruit additional trainees, based on workforce planning to 2030.
- **Small Workforce Size:** The factor associated with the sustainability of small workforces.

**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).