

4.2 Specialists-in-training

Specialists-in-training are medical practitioners who have been accepted by a specialist professional college into a training position supervised by a member of the college. Features of specialists-in-training in 1995 included the following.

- There were 4,468 specialists-in-training, of whom 3,056 (68.4%) were male and 1,412 (31.6%) were female.
- Specialists-in-training were most likely to be found in the specialties of psychiatry (12.8%), anaesthesia (12.7%), paediatrics (9.1%), emergency medicine (7.6%) and general medicine (7.2%). These proportions were higher than those for practising specialists. For example, only 1.4% of specialists reported that their main specialty of qualification was emergency medicine, while 7.6% of specialists-in-training were training in that specialty.
- 82.7% of specialists-in-training were aged under 35 years, 15.3% were aged 35–44 years and the remaining 2.0% were aged 45 years and over.
- Specialty of training varied across sex and age. For specialists-in-training aged under 35 years, males were most likely to be training in the area of anaesthesia (13.9%) and females in paediatric medicine (14.9%). For those aged 35 years and over, both males and females were most likely to be training in psychiatry (20.0% for males and 35.2% for females).
- 4.2% of specialists-in-training worked fewer than 35 hours per week, 48.8% worked 50–64 hours and 7.4% worked 80 hours and over.
- Hours worked varied across sex and age. For specialists-in-training aged under 35 years, 2.0% of males and 6.4% of females worked fewer than 35 hours per week; 51.7% and 47.9% respectively worked 50–64 hours; and 8.4% and 6.6% respectively worked 80 hours and over. For specialists-in-training aged 35 years and over, 3.1% of males and 18.8% of females worked fewer than 35 hours per week; 45.0% and 31.0% respectively worked 50–64 hours; and 5.7% and 5.0% respectively worked 80 hours and over.
- 89.6% of specialists-in-training had their main job in public hospitals, with 2.4% in tertiary education institutions, 2.2% in other non-residential health care facilities and 2.1% in private rooms.
- 22.2% of specialists-in-training were expected to complete their training in 1996, with 24.0% finishing in 1997 and 21.2% finishing in 1998. While specialties such as psychiatry and anaesthesia had the highest number of trainees expecting to finish in 1997, other specialties such as general medicine, general surgery, obstetrics and gynaecology had the highest number expecting to complete training in 1999.

Table 42: Specialists-in-training: specialty of training and States and Territories, 1995

Specialty of training	NSW	Vic	Qld	WA	SA	Tas	ACT	NT	Total
Cardiology	36	29	10	4	10	2	2	2	94
Clinical haematology	11	18	4	6	4	0	2	0	45
Clinical immunology	4	0	1	0	4	0	2	0	11
Clinical pharmacology	1	2	1	0	4	0	0	0	9
Endocrinology	13	7	6	0	2	2	2	0	31
Gastroenterology	21	20	1	8	6	0	2	0	58
General medicine	79	111	65	20	39	6	0	3	323
Geriatrics	7	12	3	2	4	2	2	0	31
Infectious diseases	8	30	7	2	0	0	0	2	49
Medical oncology	17	20	9	4	6	2	0	0	58
Neurology	13	10	4	2	2	0	0	0	32
Nuclear medicine	8	12	1	2	4	0	0	0	27
Paediatric medicine	149	96	74	35	35	0	8	8	405
Renal medicine	13	18	1	6	2	0	0	0	41
Rheumatology	12	10	1	0	2	0	2	0	27
Thoracic medicine	11	12	10	4	6	2	2	0	46
General pathology	9	7	3	0	0	0	0	0	19
Anatomical pathology	13	18	12	10	10	6	2	0	71
Clinical chemistry	4	2	3	0	0	0	0	0	9
Forensic pathology	1	2	0	0	0	0	0	2	5
Haematology	13	3	1	0	2	2	0	0	22
Immunology	1	0	0	0	0	0	0	0	1
Microbiology	3	2	3	4	2	0	0	0	13
General surgery	81	102	42	18	14	4	2	3	265
Cardiothoracic surgery	11	7	4	2	2	4	0	0	30
Neurosurgery	12	12	3	4	6	2	2	0	40
Orthopaedic surgery	74	45	25	12	14	4	3	2	179
Paediatric surgery	7	2	1	0	0	0	0	0	10
Plastic surgery	13	12	7	8	6	0	0	0	46
Urology	11	8	6	8	4	0	2	0	38
Vascular surgery	0	0	0	0	0	0	3	0	3
Anaesthesia	193	154	92	35	70	12	6	5	568
Dermatology	25	20	7	4	4	2	0	0	63
Diagnostic radiology	59	54	33	8	25	4	8	0	190
Emergency medicine	104	104	45	39	23	12	8	3	338
Intensive care	24	15	3	2	8	2	3	0	57
Medical administration	9	2	1	0	2	0	0	0	14
Obstetrics and	78	74	46	22	35	6	2	3	265
Occupational medicine	29	7	1	8	4	0	0	0	49
Ophthalmology	46	35	6	8	14	6	0	0	116
Otolaryngology (ENT)	20	12	7	2	8	0	0	2	51
Psychiatry	203	168	106	37	47	4	5	2	572
Public health medicine	4	5	1	0	4	0	0	3	18
Radiation oncology	24	12	6	4	2	0	0	0	47
Rehabilitation	22	17	1	0	4	0	0	0	45
Other	21	5	1	2	2	0	0	2	33
Total	1,518	1,310	674	329	447	87	62	39	4,468

Table 43: Specialists-in-training: speciality of training, age and sex, Australia, 1995

Specialty of training	Age (years)									Total		
	<35			35-44			45+					
	M	F	P	M	F	P	M	F	P	M	F	P
Cardiology	70	14	83	11	0	10	0	0	0	81	14	94
Clinical haematology	25	17	42	1	1	3	0	0	0	26	18	45
Clinical immunology	10	0	10	0	1	1	0	0	0	10	1	11
Clinical pharmacology	5	3	7	1	0	1	0	0	0	6	3	9
Endocrinology	10	18	29	1	1	3	0	0	0	12	19	31
Gastroenterology	41	12	53	3	1	4	1	0	2	45	13	58
General medicine	218	90	308	8	5	13	1	2	3	227	97	323
Geriatrics	12	11	24	6	1	7	0	0	0	18	13	31
Infectious diseases	24	20	45	0	4	4	1	0	1	24	24	49
Medical oncology	27	27	55	3	1	4	0	0	0	30	28	58
Neurology	24	4	28	3	1	4	0	0	0	26	6	32
Nuclear medicine	16	6	22	5	0	5	0	0	0	21	6	27
Paediatric medicine	170	171	346	23	34	57	0	2	2	193	207	405
Renal medicine	28	12	40	1	0	1	0	0	0	29	12	41
Rheumatology	6	15	22	3	1	4	1	0	1	9	17	27
Thoracic medicine	29	12	41	4	1	5	0	0	0	33	14	46
General pathology	13	4	17	1	1	2	0	0	0	14	5	19
Anatomical pathology	29	30	60	8	2	10	1	1	1	37	34	71
Clinical chemistry	3	1	4	3	1	4	0	1	1	6	3	9
Forensic pathology	2	0	2	1	0	1	1	1	2	4	1	5
Haematology	10	2	12	5	5	10	0	0	0	15	7	22
Immunology	1	1	1	0	0	0	0	0	0	1	1	1
Microbiology	7	2	9	3	1	4	0	0	0	10	3	13
General surgery	207	39	244	12	5	16	5	0	5	223	44	265
Cardiothoracic surgery	23	2	25	5	0	5	0	0	0	29	2	30
Neurosurgery	34	4	37	3	0	3	0	0	0	37	4	40
Orthopaedic surgery	155	13	165	14	0	14	0	0	0	169	13	179
Paediatric surgery	9	0	9	1	0	1	0	0	0	10	0	10
Plastic surgery	37	3	39	5	0	5	2	0	2	44	3	46
Urology	26	5	31	8	0	8	0	0	0	34	5	38
Vascular surgery	2	0	2	1	0	1	0	0	0	3	0	3
Anaesthesia	353	139	491	59	15	74	2	0	3	415	154	568
Dermatology	29	22	52	6	1	7	3	1	4	38	25	63
Diagnostic radiology	118	41	159	27	3	29	2	0	2	147	44	190
Emergency medicine	194	79	272	40	20	60	5	0	6	239	99	338
Intensive care	34	11	44	11	1	12	1	0	1	45	12	57
Medical administration	5	5	10	2	2	4	1	1	1	7	7	14
Obstetrics and	10	94	197	37	23	61	5	3	8	143	120	265
Occupational medicine	28	6	34	7	4	11	4	0	4	39	10	49
Ophthalmology	75	20	95	16	3	18	2	1	3	93	24	116
Otolaryngology (ENT)	37	5	42	6	1	7	2	0	2	45	7	51
Psychiatry	238	140	380	85	75	160	17	17	31	339	232	572
Public health medicine	7	4	11	5	2	7	0	0	0	12	5	18
Radiation oncology	34	9	42	4	1	5	0	0	0	38	10	47
Rehabilitation	14	13	27	8	7	15	2	0	3	25	20	45
Other	7	19	27	1	4	5	1	0	1	9	24	33
Total	2,54	1,15	3,69	454	230	684	57	31	87	3,05	1,41	4,46

M=males, F=females, P=persons.

Table 44: Specialists-in-training: total hours worked per week, age and sex, Australia, 1995

Hours worked	Age (years)			Total	%
	<35	35-44	45+		
Males					
1-19	20	2	0	22	0.7
20-34	30	13	1	44	1.4
35-49	546	134	23	703	23.0
50-64	1,317	210	20	1,547	50.6
65-79	418	71	8	497	16.2
80+	214	25	4	244	8.0
<i>Total</i>	<i>2,545</i>	<i>454</i>	<i>57</i>	<i>3,056</i>	<i>100.0</i>
Females					
1-19	22	9	1	32	2.3
20-34	52	36	3	91	6.4
35-49	335	78	15	428	30.3
50-64	551	74	7	632	44.8
65-79	116	19	5	140	9.9
80+	76	13	0	89	6.3
<i>Total</i>	<i>1,151</i>	<i>230</i>	<i>31</i>	<i>1,412</i>	<i>100.0</i>
Persons					
1-19	42	10	1	54	1.2
20-34	82	49	4	135	3.0
35-49	881	213	37	1,131	25.3
50-64	1,868	284	27	2,179	48.8
65-79	534	90	13	637	14.3
80+	290	38	4	332	7.4
Total	3,697	684	87	4,468	100.0

Table 45: Specialists-in-training: work setting, age and sex, Australia, 1995

Work setting of main job	Age (years)									Total		
	<35			35-44			45+			M	F	P
	M	F	P	M	F	P	M	F	P			
Private rooms	30	11	41	8	12	20	24	8	33	62	31	94
Publicly operated:												
Acute care hospital	2,33	1,06	3,39	390	182	571	23	16	38	2,74	1,26	4,00
Residential health care	5	2	7	3	1	4	0	0	0	8	3	11
Aboriginal health	8	3	11	1	0	1	0	0	0	10	3	13
Other non-residential health care facility	34	19	52	17	19	37	2	6	7	53	44	97
Tertiary education institution	69	19	87	15	3	17	2	0	3	86	21	107
Defence forces	5	2	7	0	0	0	1	0	1	6	2	7
Other government	20	11	31	9	4	13	1	1	2	30	16	46
Other public	3	2	5	1	0	1	0	0	0	5	2	6
<i>Total public</i>	<i>2,47</i>	<i>1,11</i>	<i>3,59</i>	<i>437</i>	<i>209</i>	<i>646</i>	<i>30</i>	<i>23</i>	<i>53</i>	<i>2,94</i>	<i>1,35</i>	<i>4,29</i>
Privately operated:												
Acute care hospital	34	16	49	5	6	12	2	0	3	41	22	64
Aboriginal health	0	0	0	0	1	1	0	0	0	0	1	1
Other non-residential health care facility	3	3	7	1	0	1	0	0	0	5	3	8
Tertiary education institution	0	2	2	0	0	0	0	0	0	0	2	2
Other private	2	2	3	3	1	4	1	0	1	5	3	8
<i>Total private</i>	<i>39</i>	<i>22</i>	<i>61</i>	<i>9</i>	<i>9</i>	<i>19</i>	<i>3</i>	<i>0</i>	<i>4</i>	<i>51</i>	<i>31</i>	<i>83</i>
Total	2,54	1,15	3,69	454	230	684	57	31	87	3,05	1,41	4,46

M=males, F=females, P=persons.

Table 46: Specialists-in-training: specialty of training and expected year of completion, Australia, 1995

Specialty of training	Expected year of completion										Total
	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	
Cardiology	4	31	40	17	2	0	0	0	0	0	94
Clinical haematology	2	6	10	18	6	2	2	0	0	0	45
Clinical immunology	0	4	0	4	0	2	0	0	0	0	11
Clinical pharmacology	2	2	2	3	0	0	0	0	0	0	9
Endocrinology	0	15	12	2	2	0	0	0	0	0	31
Gastroenterology	4	19	13	11	9	2	0	0	0	0	58
General medicine	0	14	25	89	140	37	10	8	0	0	323
Geriatrics	2	6	8	12	4	0	0	0	0	0	31
Infectious diseases	0	23	13	6	4	0	2	0	0	0	49
Medical oncology	0	19	26	4	6	0	2	0	0	0	58
Neurology	0	11	13	6	2	0	0	0	0	0	32
Nuclear medicine	2	13	10	2	0	0	0	0	0	0	27
Paediatric medicine	0	69	87	131	75	32	8	2	0	0	405
Renal medicine	0	15	15	4	4	0	2	0	0	0	41
Rheumatology	0	7	14	4	0	0	0	2	0	0	27
Thoracic medicine	0	10	24	7	5	0	0	0	0	0	46
General pathology	0	4	8	4	2	0	0	0	0	0	19
Anatomical pathology	2	28	14	12	9	5	2	0	0	0	71
Clinical chemistry	0	6	2	0	0	0	0	0	0	0	9
Forensic pathology	0	1	2	0	0	1	0	0	0	0	5
Haematology	0	2	11	2	6	2	0	0	0	0	22
Immunology	0	0	1	0	0	0	0	0	0	0	1
Microbiology	0	8	2	2	2	0	0	0	0	0	13
General surgery	6	58	30	50	62	44	10	2	0	2	265
Cardiothoracic surgery	2	6	4	4	4	6	2	0	0	0	30
Neurosurgery	0	11	8	6	13	2	0	0	0	0	40
Orthopaedic surgery	4	30	32	32	30	35	14	2	2	0	179
Paediatric surgery	0	4	2	0	0	4	0	0	0	0	10
Plastic surgery	0	12	17	6	6	6	0	0	0	0	46
Urology	0	3	12	15	5	2	0	2	0	0	38
Vascular surgery	2	0	0	0	2	0	0	0	0	0	3
Anaesthesia	9	103	133	131	101	70	19	2	0	0	568
Dermatology	0	17	21	13	8	2	2	0	0	0	63
Diagnostic radiology	4	44	58	31	29	20	4	0	0	0	190
Emergency medicine	6	75	69	77	67	37	8	0	0	0	338
Intensive care	2	11	15	12	12	3	0	2	0	0	57
Medical administration	1	4	4	4	1	0	1	0	0	0	14
Obstetrics and	4	42	49	40	59	55	15	0	0	0	265
Occupational medicine	0	13	6	8	15	1	4	1	0	0	49
Ophthalmology	0	33	27	29	13	14	0	0	0	0	116
Otolaryngology (ENT)	0	14	14	12	5	7	0	0	0	0	51
Psychiatry	2	159	185	98	79	43	4	2	0	0	572
Public health medicine	0	8	7	1	1	0	0	0	0	0	18
Radiation oncology	0	9	7	16	13	2	0	0	0	0	47
Rehabilitation medicine	0	14	16	9	3	1	1	0	0	0	45
Other	0	9	3	13	8	0	0	0	0	0	33
Total	58	993	1,072	949	815	439	112	24	2	2	4,468
Per cent	1.3	22.2	24.0	21.2	18.2	9.8	2.5	0.5	0.0	0.0	100.0