

Australian Medical Workforce Advisory Committee

CAREER DECISION MAKING BY POSTGRADUATE DOCTORS

AMWAC MEDICAL CAREERS SURVEYS, 2004

STATISTICAL APPENDIX

AMWAC Report 2005.3

December 2005

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Enquiries concerning this report and its reproduction should be directed to:

Australian Medical Workforce Advisory Committee
Level 4, 73 Miller Street
New South Wales Health Department
NORTH SYDNEY NSW 2060

Telephone: +612 9391 9933

Email: healthworkforce@doh.health.nsw.gov.au

Website: www.healthworkforce.health.nsw.gov.au

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The tables in this report were prepared by Dr Jack Chen, MBBS, PhD, Senior Research Fellow, Simpson Centre for Health Services Research, The University of New South Wales. Dr Chen provided statistical analysis, advice and support to the National Health Workforce Secretariat.

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The Appendix has two main Parts:

- Part 1 presents statistical tables pertaining to the 2004 Wave 2 survey of doctors participating in the AMWAC longitudinal study;
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Table 1.1: Distribution of demographic variables used in the multivariate modelling analyses: Wave 2 Survey 2004

Sex			
gender	Freq.	Percent	Cum.
male	1,438	51.05	51.05
female	1,379	48.95	100.00
Total	2,817	100.00	

Cost of medical education and training			
What is cost of vocational training in 2004	Freq.	Percent	Cum.
\$0	371	15.56	15.56
\$1-\$999	145	6.08	21.64
\$1000-\$4999	1,043	43.73	65.37
\$5000-\$9999	505	21.17	86.54
>\$10000	321	13.46	100.00
Total	2,385	100.00	

Year completed basic medical degree			
Year completed Medical School	Freq.	Percent	Cum.
<1990	316	11.22	11.22
1990-1994	744	26.41	37.63
1995-1999	1,644	58.36	95.99
2000-2001	113	4.01	100.00
Total	2,817	100.00	

Age in 2004			
age group in 2004	Freq.	Percent	Cum.
<30 years	331	11.75	11.75
30-34	1,454	51.62	63.37
35-39	604	21.44	84.81
40-44	219	7.77	92.58
45-49	130	4.61	97.20
50 years plus	73	2.59	99.79
999	6	0.21	100.00
Total	2,817	100.00	

Marital status 2004			
marital status 2004	Freq.	Percent	Cum.
single	606	21.54	21.54
married/living with partner	2,144	76.22	97.76
divorced/separated	59	2.10	99.86
widowed	4	0.14	100.00
Total	2,813	100.00	

Table 1.1 Contd.

Dependent children			
children under 16 years 2004	Freq.	Percent	Cum.
none	1,565	55.58	55.58
one to two	1,051	37.32	92.90
three or more	200	7.10	100.00
Total	2,816	100.00	

Citizenship 2004			
citizenship status 2004	Freq.	Percent	Cum.
(Australian citizen) yes	2,618	92.94	
no, (permanent resident of Australia)	199	7.06	
Total	2,817	100.00	

Rural background			
have you lived in a rural area for a minimum of 5 consecutive years or 8 cumulat	Freq.	Percent	Cum.
yes	681	24.17	24.17
no	2,136	75.83	100.00
Total	2,817	100.00	

Place of birth			
in which state/territo ry, or country were you born?	Freq.	Percent	Cum.
NSW+ACT	558	19.86	19.86
Vic	557	19.83	39.69
Qld	262	9.33	49.02
SA+NT	175	6.23	55.25
WA	108	3.84	59.10
TAS	73	2.60	61.69
Other country	1,076	38.31	100.00
Total	2,809	100.00	

Table 1.2 Expected year of completion of vocational training program in 2002, by expected year of completion in 2004

2002 In what year do you expect to complete your vocational training program	In what year do you expect to complete vocational training 2004														Total
	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	
2002			3	9	na		na								14
2003	na	na	32	45	12	6	4		3						104
2004	na		135	197	41	10	8								392
2005			21	204	120	39	10	na							396
2006			3	38	174	85	27	8	4		na				340
2007				14	48	97	47	17	6	na		na			231
2008				na	12	26	30	25	10	na					106
2009					1	5	8	14	5	na	na				35
2010				na	na	3	8	6	9	na	na		na	na	35
2012											na				na
Total	na	na	194	510	411	271	143	72	37	5	5	na	na	na	1,654

Na - Numbers too small to report

Table 1.3 The logistic regression results of the expected year of completion of vocational training program in 2004 after adjusting for demographic variables and the 2002 status: Odds ratios(OR)

	complete training program 2004
complete current training program	2.914 (0.000)**
q25sex==male	0.988 (0.911)
q24birthp==Vic	0.950 (0.750)
q24birthp==Qld	1.062 (0.764)
q24birthp==SA+NT	0.777 (0.299)
q24birthp==WA	1.611 (0.132)
q24birthp==TAS	0.868 (0.680)
q24birthp==Other country	1.272 (0.110)
q3lrural==yes	1.141 (0.290)
v5citz==no, permanent resident of australia	0.548 (0.006)**
vchild==one to two	0.882 (0.327)
vchild==three or more	0.561 (0.021)*
v3marit==single	0.864 (0.268)
v3marit==divorced/separated	1.503 (0.281)
v04group==30-34	1.732 (0.000)**
v04group==35-39	1.545 (0.044)*
v04group==40-44	1.534 (0.143)
v04group==45-49	1.909 (0.084)
v04group==50 years plus	1.629 (0.272)
medschyr==1990-1994	1.266 (0.423)
medschyr==1995-1999	0.774 (0.366)
medschyr==2000-2001	0.381 (0.006)**
cost==\$1-\$999	1.283 (0.506)

cost==\$1000-\$4999	1.174 (0.610)
cost==\$5000-\$9999	1.082 (0.807)
cost==>\$10000	1.300 (0.434)
Observations	1631

p values in parentheses
significant at 5%; ** significant at 1%

Table 1.4: Wave 2 respondents in vocational training in 2004: **Expected year of completion of vocational training program in 2002 and 2004(2004-2002 expectation > 0) by GP versus other specialties and each of the specialties versus others using logistic regression (Odds ratio)**

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
	e1	e1	e1	e1	e1	e1	e1	e1	e1	e1	e1	e1	e1
spe==general practice	3.112 (0.000)**												
spe==adult medicine		0.892 (0.292)											
spe==surgery													0.459 (0.000)**
spe==radiology												0.727 (0.107)	
spe==psychiatry											1.727 (0.000)**		
spe==pathology										0.672 (0.057)			
spe==ophthalmology									3.335 (0.004)**				
spe==obstetrics & gynaecology								0.660 (0.050)					
spe==emergency medicine							1.691 (0.000)**						
spe==dermatology						1.025 (0.950)							
spe==anaesthesia/Intensive care					1.108 (0.393)								
spe==Other RACP				1.352 (0.160)									
spe==paediatrics and child health			1.496 (0.014)*										
Observations	2817	2318	2318	2318	2318	2318	2318	2318	2318	2318	2318	2318	2318

p values in parentheses
* significant at 5%; ** significant at 1%

1=General practice; 2=Adult medicine; 3=Surgery; 4=radiology; 5=psychiatry; 6=pathology; 7=ophthalmology; 8=obstetrics and gynaecology; 9=emergency medicine; 10=dermatology; 11=anaesthesia and intensive care medicine; 12=Other (Occupational medicine, Rehabilitation medicine, Public Health Medicine and Medical Administration); 13=Paediatrics and child health medicine

Table 1.5: Wave 2 respondents in vocational training in 2004: Expected year of commencement of work as a qualified specialist in 2002, by expected year of commencement in 2004

2002 in what year do you expect to commence practising	In what year do you expect to commence practising - fully qualified 2004												Total	
	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015		
2002	0	2	0	0	0	0	0	0	0	0	0	0	0	2
	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00
	0.00	0.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13
2003	6	14	3	1	0	0	0	0	0	0	0	0	0	24
	25.00	58.33	12.50	4.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00
	20.69	3.65	0.93	0.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.52
2004	14	81	29	9	4	0	0	0	0	0	0	0	0	137
	10.22	59.12	21.17	6.57	2.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00
	48.28	21.09	9.03	2.53	1.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.67
2005	6	213	77	19	6	3	0	0	0	0	0	0	0	324
	1.85	65.74	23.77	5.86	1.85	0.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00
	20.69	55.47	23.99	5.34	2.71	2.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.49
2006	1	55	148	83	28	8	2	0	0	0	0	0	0	325
	0.31	16.92	45.54	25.54	8.62	2.46	0.62	0.00	0.00	0.00	0.00	0.00	0.00	100.00
	3.45	14.32	46.11	23.31	12.67	6.20	2.17	0.00	0.00	0.00	0.00	0.00	0.00	20.56
2007	1	14	52	171	66	30	12	1	2	0	0	0	0	349
	0.29	4.01	14.90	49.00	18.91	8.60	3.44	0.29	0.57	0.00	0.00	0.00	0.00	100.00
	3.45	3.65	16.20	48.03	29.86	23.26	13.04	3.23	16.67	0.00	0.00	0.00	0.00	22.07
2008	0	2	4	51	78	40	18	6	3	0	1	0	0	203
	0.00	0.99	1.97	25.12	38.42	19.70	8.87	2.96	1.48	0.00	0.49	0.00	0.00	100.00
	0.00	0.52	1.25	14.33	35.29	31.01	19.57	19.35	25.00	0.00	100.00	0.00	0.00	12.84
2009	1	3	5	12	27	34	22	7	0	0	0	0	0	111
	0.90	2.70	4.50	10.81	24.32	30.63	19.82	6.31	0.00	0.00	0.00	0.00	0.00	100.00
	3.45	0.78	1.56	3.37	12.22	26.36	23.91	22.58	0.00	0.00	0.00	0.00	0.00	7.02
2010	0	0	2	7	9	8	28	9	2	0	0	0	2	67
	0.00	0.00	2.99	10.45	13.43	11.94	41.79	13.43	2.99	0.00	0.00	0.00	2.99	100.00
	0.00	0.00	0.62	1.97	4.07	6.20	30.43	29.03	16.67	0.00	0.00	0.00	66.67	4.24
2011	0	0	1	2	2	5	8	7	4	1	0	1	0	31
	0.00	0.00	3.23	6.45	6.45	16.13	25.81	22.58	12.90	3.23	0.00	3.23	0.00	100.00
	0.00	0.00	0.31	0.56	0.90	3.88	8.70	22.58	33.33	50.00	0.00	33.33	0.00	1.96
2012	0	0	0	1	0	1	1	1	1	0	0	0	0	5
	0.00	0.00	0.00	20.00	0.00	20.00	20.00	20.00	20.00	0.00	0.00	0.00	0.00	100.00
	0.00	0.00	0.00	0.28	0.00	0.78	1.09	3.23	8.33	0.00	0.00	0.00	0.00	0.32
2014	0	0	0	0	1	0	1	0	0	1	0	0	0	3
	0.00	0.00	0.00	0.00	33.33	0.00	33.33	0.00	0.00	33.33	0.00	0.00	0.00	100.00
	0.00	0.00	0.00	0.00	0.45	0.00	1.09	0.00	0.00	50.00	0.00	0.00	0.00	0.19

Total	29	384	321	356	221	129	92	31	12	2	1	3	1,581
	1.83	24.29	20.30	22.52	13.98	8.16	5.82	1.96	0.76	0.13	0.06	0.19	100.00
	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00

Pearson chi2(121) = 2.1e+03 Pr = 0.000
 likelihood-ratio chi2(121) = .
 Cramér's V = 0.3505
 gamma = 0.7801 ASE = 0.012
 Kendall's tau-b = 0.6716 ASE = 0.012

Table 1.6: Wave 2 respondents in vocational training in 2004: **Expected year of commencement of work as a qualified specialist in 2002 and 2004 (2004-2002 expectation > 0) by GP versus other specialties and each of the specialties versus others using logistic regression analysis (Odds ratio)**

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
	e2	e2	e2	e2	e2	e2	e2	e2	e2	e2	e2	e2	e2
spe==general practice	2.485 (0.000)**												
spe==adult medicine		1.041 (0.711)											
spe==surgery													0.617 (0.000)**
spe==radiology												0.807 (0.277)	
spe==psychiatry											1.471 (0.007)**		
spe==pathology										0.998 (0.993)			
spe==ophthalmology									1.357 (0.332)				
spe==obstetrics & gynaecology								0.455 (0.000)**					
spe==emergency medicine							1.677 (0.000)**						
spe==dermatology						0.688 (0.334)							
spe==anaesthesia/Intensive care					0.795 (0.048)*								
spe==Other RACP				1.350 (0.148)									
spe==paediatrics and child health			1.490 (0.011)*										
Observations	2817	2318	2318	2318	2318	2318	2318	2318	2318	2318	2318	2318	2318
p values in parentheses													
* significant at 5%; ** significant at 1%													

1=General practice; 2=Adult medicine; 3=Surgery; 4=radiology; 5=psychiatry; 6=pathology; 7=ophthalmology; 8=obstetrics and gynaecology; 9=emergency medicine; 10=dermatology; 11=anaesthesia and intensive care medicine; 12=Other (Occupational medicine, Rehabilitation medicine, Public Health Medicine and Medical Administration); 13=Paediatrics and child health medicine

Table 1.7: All Wave 2 respondents: How comparable are the 2002 (Wave 1) and 2004 (Wave 2) doctors satisfaction scores with choice of specialty (using ordinal logistic regression analysis and Odds ratios)

	how satisfied are you with your choice of discipline? 2004
q25sex==male	1.120 (0.177)
q11_4sat==dissatisfied	4.633 (0.016)*
q11_4sat==neither satisfied nor dissatisfied	3.162 (0.051)
q11_4sat==satisfied	8.716 (0.000)**
q11_4sat==very satisfied	37.107 (0.000)**
q24birthp==Vic	1.001 (0.994)
q24birthp==Qld	0.775 (0.114)
q24birthp==SA+NT	1.373 (0.112)
q24birthp==WA	1.105 (0.667)
q24birthp==TAS	1.157 (0.593)
q24birthp==Other country	0.896 (0.359)
q31rural==yes	0.914 (0.367)
v5citz==no, permanent resident of australia	0.885 (0.488)
vchild==one to two	0.695 (0.000)**
vchild==three or more	0.691 (0.047)*
v3marit==single	0.781 (0.027)*
v3marit==divorced/separated	1.154 (0.628)
v04group==30-34	1.298 (0.048)*
v04group==35-39	1.300 (0.137)
v04group==40-44	0.919 (0.719)
v04group==45-49	1.061 (0.833)
v04group==50 years plus	0.681 (0.258)
medschyr==1990-1994	1.056 (0.797)
medschyr==1995-1999	0.878 (0.532)
medschyr==2000-2001	0.839 (0.543)
cost==\$1-\$999	0.946 (0.777)
cost==\$1000-\$4999	1.002 (0.988)
cost==\$5000-\$9999	1.108 (0.470)
cost==>\$10000	0.997 (0.984)
Observations	2337
p values in parentheses	
* significant at 5%; ** significant at 1%	

Table 1.8: All Wave 2 respondents: Change in respondent satisfaction with choice of specialty in 2002 and in 2004 (using multiple linear regression analysis)

	d11
q25sex==male	-0.010 (0.805)
q24birthp==Vic	-0.027 (0.650)
q24birthp==Qld	-0.118 (0.115)
q24birthp==SA+NT	0.105 (0.237)
q24birthp==WA	0.060 (0.576)
q24birthp==TAS	0.157 (0.198)
q24birthp==Other country	-0.021 (0.701)
q31rural==yes	-0.032 (0.478)
v5citz==no, permanent resident of australia	0.011 (0.890)
vchild==one to two	-0.194 (0.000)**
vchild==three or more	-0.202 (0.018)*
v3marit==single	-0.068 (0.181)
v3marit==divorced/separated	-0.007 (0.960)
v04group==30-34	0.110 (0.072)
v04group==35-39	0.167 (0.040)*
v04group==40-44	0.001 (0.995)
v04group==45-49	0.087 (0.501)
v04group==50 years plus	0.045 (0.775)
medschyr==1990-1994	0.002 (0.982)
medschyr==1995-1999	0.015 (0.878)
medschyr==2000-2001	0.004 (0.973)
cost==1-\$999	-0.055 (0.549)
cost==1000-\$4999	-0.038 (0.510)
cost==5000-\$9999	0.017 (0.799)
cost==>\$10000	0.002 (0.978)
Constant	-0.000 (0.999)
Observations	2337
R-squared	0.017
p values in parentheses	
* significant at 5%; ** significant at 1%	

Table 1.10: Is there a relationship between satisfaction scores with choice of specialty in 2002 and the decision to continue in or change discipline controlling for background variables (Yes = continue in specialty, No = change in specialty) (using logistic regression analysis and odds ratios of keeping in the same discipline)

	Is the discipline indicated above the same as in 2002 (2004) (1=No; 0=Yes)
How satisfied are you with your choice of specialty 2002	0.519
	(0.000)**
q25sex==male	1.279
	(0.132)
q24birthp==Vic	1.278
	(0.302)
q24birthp==Qld	0.940
	(0.847)
q24birthp==SA+NT	0.548
	(0.191)
q24birthp==WA	0.836
	(0.703)
q24birthp==TAS	1.169
	(0.728)
q24birthp==Other country	0.960
	(0.859)
q31rural==yes	1.269
	(0.199)
v5citz==no, permanent resident of australia	0.723
	(0.398)
vchild==one to two	0.771
	(0.189)
vchild==three or more	0.681
	(0.356)
v3marit==single	0.774
	(0.213)
v3marit==divorced/separated	0.253
	(0.181)
v04group==30-34	0.766
	(0.234)
v04group==35-39	0.939
	(0.846)
v04group==40-44	0.679
	(0.422)
v04group==45-49	1.239
	(0.680)
v04group==50 years plus	1.121
	(0.855)
medschyr==1990-1994	1.081
	(0.871)
medschyr==1995-1999	2.097
	(0.104)
medschyr==2000-2001	2.408
	(0.101)
cost==\$1-\$999	1.254
	(0.602)
cost==\$1000-\$4999	1.503
	(0.151)
cost==\$5000-\$9999	1.647
	(0.102)
cost==>\$10000	1.699
	(0.107)
Observations	2359
p values in parentheses	
* significant at 5%; ** significant at 1%	

Table 1.11: Wave 2 respondents in vocational training in 2004: 'Is there a relationship between satisfaction scores with choice of specialty in 2002 and the decision to 1) leave the training program without completing, and 2) take a break?' controlling for background variables (using multinomial logistic regression analysis and practising as a doctors in a vocational training program as the reference variable)

	(1)	(2)
	Have left training program without completing and working	Currently taking a break from training
How satisfied are you with your current choice of discipline	0.313	0.646
	(0.000)**	(0.001)**
q25sex==male	2.994	0.531
	(0.063)	(0.012)*
q24birthp==Vic	0.833	1.124
	(0.788)	(0.745)
q24birthp==Qld	2.367	2.149
	(0.265)	(0.064)
q24birthp==SA+NT	0.000	0.972
	(1.000)	(0.959)
q24birthp==WA	0.000	1.360
	(1.000)	(0.652)
q24birthp==TAS	0.000	0.546
	(1.000)	(0.575)
q24birthp==Other country	0.662	0.503
	(0.555)	(0.078)
q31rural==yes	1.080	1.050
	(0.900)	(0.860)
v5citz==no, permanent resident of australia	0.000	1.731
	(1.000)	(0.280)
vchild==one to two	2.535	5.201
	(0.206)	(0.000)**
vchild==three or more	9.031	2.657
	(0.043)*	(0.139)
v3marit==single	4.175	2.353
	(0.029)*	(0.013)*
v3marit==divorced/separated	0.000	1.347
	(1.000)	(0.783)
v04group==30-34	1.008	0.817
	(0.991)	(0.564)
v04group==35-39	1.191	0.633
	(0.849)	(0.348)
v04group==40-44	0.130	0.249
	(0.199)	(0.059)
v04group==45-49	0.000	0.000
	(1.000)	(1.000)
v04group==50 years plus	0.000	0.000
	(1.000)	(1.000)
medschr==1990-1994	58597944.210	0.393
	(0.000)**	(0.161)
medschr==1995-1999	1.020e+08	0.294
	(0.000)**	(0.072)
medschr==2000-2001	2.994e+08	0.428
	(0.000)**	(0.297)
cost==1-\$999	0.000	0.400
	(1.000)	(0.038)*
cost==1000-\$4999	0.030	0.077
	(0.000)**	(0.000)**
cost==5000-\$9999	0.029	0.066
	(0.000)**	(0.000)**
cost==>\$10000	0.025	0.033
	(0.000)**	(0.000)**
Observations	1651	1651
p values in parentheses		
* significant at 5%; ** significant at 1%		

Table 1.12: Wave 2 respondents in vocational training in 2004: 'How comparable are the hours worked by respondents in 2002 and 2004; general practice versus 'other' specialty and each specialty versus 'other' speciality pooled together (using logistic regression analysis and odds ratios)

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
	d3	d3	d3	d3	d3	d3	d3	d3	d3	d3	d3	d3	d3
spe==general practice	-1.679 (0.031)*												
spe==adult medicine		-3.524 (0.000)**											
spe==paediatrics and child health			-0.588 (0.615)										
spe==surgery													3.604 (0.000)**
Constant	-1.525 (0.000)**	-0.860 (0.015)*	-1.478 (0.000)**	-1.583 (0.000)**	-1.559 (0.000)**	-1.540 (0.000)**	-1.693 (0.000)**	-1.388 (0.000)**	-1.444 (0.000)**	-1.486 (0.000)**	-1.577 (0.000)**	-1.596 (0.000)**	-2.085 (0.000)**
spe==radiology												1.513 (0.315)	
spe==psychiatry											0.499 (0.633)		
spe==pathology										-0.953 (0.551)			
spe==ophthalmology									-4.033 (0.074)				
spe==obstetrics & gynaecology								-3.518 (0.032)*					
spe==emergency medicine							1.477 (0.141)						
spe==dermatology						1.170 (0.684)							
spe==anaesthesia/Intensive care					0.219 (0.804)								
spe==Other RACP				1.302 (0.401)									
Observations	2620	2175	2175	2175	2175	2175	2175	2175	2175	2175	2175	2175	2175
p values in parentheses													
* significant at 5%; ** significant at 1%													

1=General practice; 2=Adult medicine; 3=Surgery; 4=radiology; 5=psychiatry; 6=pathology; 7=ophthalmology; 8=obstetrics and gynaecology; 9=emergency medicine; 10=dermatology; 11=anaesthesia and intensive care medicine; 12=Other (Occupational medicine, Rehabilitation medicine, Public Health Medicine and Medical Administration); 13=Paediatrics and child health medicine

Table 1.13: Wave 2 respondents still in vocational training in 2004: Change in full-time/part-time training status, 2002 and 2004

are you in full-time or part-time training	full-time/part-time training 2004			Total
	full time	part time	job-share	
full time	1,384	111	28	1,523
	90.87	7.29	1.84	100.00
	96.04	57.81	80.00	91.31
part time	46	75	5	126
	36.51	59.52	3.97	100.00
	3.19	39.06	14.29	7.55
job-share	11	6	2	19
	57.89	31.58	10.53	100.00
	0.76	3.13	5.71	1.14
Total	1,441	192	35	1,668
	86.39	11.51	2.10	100.00
	100.00	100.00	100.00	100.00

Pearson chi2(4) = 333.2179 Pr = 0.000
likelihood-ratio chi2(4) = 214.5008 Pr = 0.000
Cramér's V = 0.3160
gamma = 0.8345 ASE = 0.024
Kendall's tau-b = 0.4102 ASE = 0.034

. kap q13_1fnew1 v19_1ftp if q13_1fnew1 !=999

Agreement	Expected Agreement	Kappa	Std. Err.	Z	Prob>Z
87.59%	79.77%	0.3864	0.0212	18.20	0.0000

Table 1.14: Wave 2 respondents still in vocational training in 2004: Change in full-time/part-time training status, 2002 and 2004, controlling for background variables and using multinomial logistic regression analysis and odds ratios (full-time status was used as the base outcome)

	(1)	(2)
	part time	job-share
q13_lfnew1==part time	10.976 (0.000)**	1.980 (0.242)
q13_lfnew1==job-share	2.480 (0.138)	2.883 (0.236)
q25sex==male	0.237 (0.000)**	0.156 (0.000)**
q24birthp==Vic	1.338 (0.327)	3.239 (0.175)
q24birthp==Qld	0.931 (0.851)	6.157 (0.040)*
q24birthp==SA+NT	0.438 (0.135)	2.602 (0.371)
q24birthp==WA	0.309 (0.163)	4.945 (0.137)
q24birthp==TAS	1.500 (0.526)	11.999 (0.059)
q24birthp==Other country	0.913 (0.746)	5.074 (0.038)*
q31rural==yes	1.412 (0.112)	0.862 (0.738)
v5citz==no, permanent resident of australia	1.278 (0.538)	0.891 (0.866)
vchild==one to two	4.421 (0.000)**	4.734 (0.001)**
vchild==three or more	3.381 (0.006)**	5.476 (0.017)*
v3marit==single	0.937 (0.825)	0.397 (0.245)
v3marit==divorced/separated	1.316 (0.690)	3.240 (0.188)
v04group==30-34	0.669 (0.180)	1.632 (0.535)
v04group==35-39	0.684 (0.332)	3.386 (0.182)
v04group==40-44	0.759 (0.601)	1.928 (0.563)
v04group==45-49	0.328 (0.089)	2.414 (0.470)
v04group==50 years plus	0.855 (0.844)	1.989 (0.636)
medschyr==1990-1994	0.763 (0.581)	0.203 (0.063)
medschyr==1995-1999	0.902 (0.832)	0.836 (0.819)
medschyr==2000-2001	1.288 (0.667)	0.000 (1.000)
cost==-\$1-\$999	2.486 (0.136)	0.205 (0.203)
cost==\$1000-\$4999	0.817 (0.713)	0.344 (0.148)
cost==\$5000-\$9999	1.068 (0.908)	0.250 (0.090)
cost==>\$10000	0.889 (0.844)	0.051 (0.017)*
Observations	1560	1560

p values in parentheses
* significant at 5%; ** significant at 1%

Table 1.15: All Wave 2 respondents: Change in stress score between 2002 and 2004: General practitioners versus 'other' speciality (pooled score) and each other speciality versus the pooled score for other specialties (using logistic regression analysis and odds ratios)

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
	s1	s1	s1	s1	s1	s1	s1	s1	s1	s1	s1	s1	s1
spe==general practice	-0.097 (0.134)												
spe==adult medicine		-0.028 (0.679)											
spe==paediatrics and child health			0.019 (0.846)										
spe==surgery													0.106 (0.143)
Constant	-0.208 (0.000)**	-0.203 (0.000)**	-0.210 (0.000)**	-0.208 (0.000)**	-0.182 (0.000)**	-0.210 (0.000)**	-0.213 (0.000)**	-0.212 (0.000)**	-0.203 (0.000)**	-0.212 (0.000)**	-0.212 (0.000)**	-0.209 (0.000)**	-0.225 (0.000)**
spe==radiology												0.013 (0.918)	
spe==psychiatry											0.033 (0.706)		
spe==pathology										0.094 (0.475)			
spe==ophthalmology									-0.264 (0.158)				
spe==obstetrics & gynaecology								0.087 (0.520)					
spe==emergency medicine							0.040 (0.631)						
spe==dermatology						0.136 (0.572)							
spe==anaesthesia/Intensive care					-0.171 (0.020)*								
spe==Other RACP				-0.002 (0.989)									
Observations	2685	2227	2227	2227	2227	2227	2227	2227	2227	2227	2227	2227	2227
p values in parentheses													
* significant at 5%; ** significant at 1%													

1=General practice; 2=Adult medicine; 3=Surgery; 4=radiology; 5=psychiatry; 6=pathology; 7=ophthalmology; 8=obstetrics and gynaecology; 9=emergency medicine; 10=dermatology; 11=anaesthesia and intensive care medicine; 12=Other (Occupational medicine, Rehabilitation medicine, Public Health Medicine and Medical Administration); 13=Paediatrics and child health medicine.

Table 1.16: Association between level of stress and satisfaction with choice of specialty, 2004 (ordinal logistic regression analysis; odds ratios)

	Stress associated with training and work 2004
how satisfied are you with your choice of discipline? 2004	0.653
	(0.000)**
spe==adult medicine	1.157
	(0.321)
spe==paediatrics and child health	1.649
	(0.007)**
spe==Other RACP	1.217
	(0.393)
spe==anaesthesia/Intensive care	1.018
	(0.911)
spe==dermatology	2.773
	(0.017)*
spe==emergency medicine	1.605
	(0.006)**
spe==obstetrics & gynaecology	2.024
	(0.002)**
spe==ophthalmology	0.764
	(0.406)
spe==pathology	1.212
	(0.409)
spe==psychiatry	1.615
	(0.006)**
spe==radiology	1.350
	(0.170)
spe==surgery	1.315
	(0.089)
career==Left training program or taking a break	0.250
	(0.000)**
career==Completed training and practising	0.785
	(0.024)*
career==Completed and taking a break	0.073
	(0.000)**
q25sex==male	0.918
	(0.291)
q24pnew==Vic	0.917
	(0.477)
q24birthp==Qld	0.791
	(0.119)
q24birthp==SA+NT	1.059
	(0.755)
q24birthp==WA	0.902
	(0.625)
q24birthp==TAS	0.957
	(0.860)
q24birthp==Other country	1.138
	(0.246)
q31rural==yes	1.064
	(0.504)
v5citz==no, permanent resident of australia	0.824
	(0.242)
vchild==one to two	0.778
	(0.008)**
vchild==three or more	0.721
	(0.052)
v3marit==single	1.271
	(0.020)*
v3marit==divorced/separated	0.954
	(0.860)
v04group==30-34	1.036
	(0.775)

v04group==35-39	1.359 (0.060)
v04group==40-44	1.560 (0.041)*
v04group==45-49	1.506 (0.114)
v04group==50 years plus	1.675 (0.104)
medschyr==1990-1994	1.085 (0.680)
medschyr==1995-1999	0.980 (0.918)
medschyr==2000-2001	1.080 (0.778)
cost==\$1-\$999	0.988 (0.948)
cost==\$1000-\$4999	1.232 (0.123)
cost==\$5000-\$9999	1.838 (0.000)**
cost==>\$10000	2.402 (0.000)**
Observations	2300
p values in parentheses	
* significant at 5%; ** significant at 1%	

Table 1.17: Association between level of stress and satisfaction with education and training program, 2004 (ordinal logistic regression analysis; odds ratios)

	Stress associated with training and work 2004
Overall satisfaction with the training you are receiving 2004	0.646 (0.000)**
spe==adult medicine	0.928 (0.717)
spe==paediatrics and child health	1.477 (0.112)
spe==Other RACP	0.992 (0.979)
spe==anaesthesia/Intensive care	0.970 (0.885)
spe==dermatology	2.431 (0.077)
spe==emergency medicine	1.825 (0.010)**
spe==obstetrics & gynaecology	1.546 (0.102)
spe==ophthalmology	0.508 (0.105)
spe==pathology	1.152 (0.622)
spe==psychiatry	1.544 (0.055)
spe==radiology	1.437 (0.178)
spe==surgery	1.277 (0.235)
career==Left training program or taking a break	0.248 (0.000)**
career==Completed training and practising	0.656 (0.474)
career==Completed and taking a break	0.591 (0.522)

q25sex==male	0.756 (0.005)**
q24birthp==Vic	0.854 (0.279)
q24birthp==Qld	0.799 (0.225)
q24birthp==SA+NT	0.820 (0.382)
q24birthp==WA	0.828 (0.476)
q24birthp==TAS	1.538 (0.169)
q24birthp==Other country	1.150 (0.305)
q31rural==yes	1.051 (0.660)
v5citz==no, permanent resident of australia	1.019 (0.925)
vchild==one to two	0.800 (0.054)
vchild==three or more	0.895 (0.614)
v3marit==single	1.250 (0.064)
v3marit==divorced/separated	0.950 (0.882)
v04group==30-34	0.975 (0.852)
v04group==35-39	1.600 (0.016)*
v04group==40-44	1.705 (0.043)*
v04group==45-49	2.069 (0.028)*
v04group==50 years plus	2.296 (0.037)*
medschyr==1990-1994	1.227 (0.445)
medschyr==1995-1999	1.386 (0.207)
medschyr==2000-2001	1.258 (0.474)
cost==\$1-\$999	0.690 (0.322)
cost==\$1000-\$4999	1.187 (0.605)
cost==\$5000-\$9999	1.860 (0.066)
cost==>\$10000	2.057 (0.038)*
Observations	1583
p values in parentheses	
* significant at 5%; ** significant at 1%	

Table 1.18: Association between level of stress and satisfaction with time for family, social and recreation activities, 2004 (ordinal logistic regression analysis; odds ratios)

	stress associated with training and work 2004
satisfaction with time you have for family, social & recreational activities 200	0.443
	(0.000)**
spe==adult medicine	0.723
	(0.031)*
spe==paediatrics and child health	1.062
	(0.754)
spe==Other RACP	0.953
	(0.834)
spe==anaesthesia/Intensive care	0.576
	(0.001)**
spe==dermatology	1.856
	(0.136)
spe==emergency medicine	1.253
	(0.208)
spe==obstetrics & gynaecology	1.151
	(0.551)
spe==ophthalmology	0.677
	(0.236)
spe==pathology	0.862
	(0.531)
spe==psychiatry	1.407
	(0.055)
spe==radiology	1.005
	(0.981)
spe==surgery	0.603
	(0.003)**
career==Left training program or taking a break	0.575
	(0.019)*
career==Completed training and practising	0.977
	(0.829)
career==Completed and taking a break	0.199
	(0.000)**
q25sex==male	0.900
	(0.203)
q24birthp==Vic	1.075
	(0.559)
q24birthp==Qld	0.881
	(0.408)
q24birthp==SA+NT	1.071
	(0.711)
q24birthp==WA	0.931
	(0.743)
q24birthp==TAS	0.988
	(0.963)
q24birthp==Other country	1.244
	(0.055)
q31rural==yes	1.014
	(0.883)
v5citz==no, permanent resident of australia	0.874
	(0.421)
vchild==one to two	0.747
	(0.003)**
vchild==three or more	0.638
	(0.009)**
v3marit==single	1.294
	(0.013)*
v3marit==divorced/separated	0.918

v04group==30-34	(0.750) 0.963 (0.766)
v04group==35-39	1.173 (0.339)
v04group==40-44	1.320 (0.218)
v04group==45-49	1.309 (0.309)
v04group==50 years plus	0.921 (0.798)
medschyr==1990-1994	1.080 (0.702)
medschyr==1995-1999	0.964 (0.855)
medschyr==2000-2001	1.065 (0.822)
cost==\$1-\$999	0.889 (0.549)
cost==\$1000-\$4999	1.063 (0.660)
cost==\$5000-\$9999	1.352 (0.052)
cost==>\$10000	1.876 (0.000)**
Observations	2290
p values in parentheses	
* significant at 5%; ** significant at 1%	

Table 1.19: Association between level of stress and overall satisfaction with working conditions, 2004 (ordinal logistic regression analysis; odds ratios)

	stress associated with training and work 2004
satisfaction: taking everything in to consideration 2004	0.400 (0.000)**
spe==adult medicine	0.837 (0.232)
spe==paediatrics and child health	1.275 (0.199)
spe==Other RACP	1.065 (0.782)
spe==anaesthesia/Intensive care	0.762 (0.085)
spe==dermatology	2.173 (0.066)
spe==emergency medicine	1.280 (0.159)
spe==obstetrics & gynaecology	1.362 (0.186)
spe==ophthalmology	0.677 (0.230)
spe==pathology	1.019 (0.936)
spe==psychiatry	1.177 (0.356)
spe==radiology	1.109 (0.637)
spe==surgery	0.897 (0.504)
career==Left training program or taking a break	0.324 (0.000)**
career==Completed training and practising	0.761

career==Completed and taking a break	(0.011)* 0.198 (0.000)**
q25sex==male	0.856 (0.060)
q24birthp==Vic	0.991 (0.940)
q24birthp==Qld	0.798 (0.138)
q24birthp==SA+NT	0.965 (0.847)
q24birthp==WA	0.885 (0.566)
q24birthp==TAS	1.078 (0.766)
q24birthp==Other country	1.165 (0.177)
q31rural==yes	1.061 (0.534)
v5citz==no, permanent resident of australia	0.833 (0.275)
vchild==one to two	0.804 (0.022)*
vchild==three or more	0.763 (0.115)
v3marit==single	1.247 (0.034)*
v3marit==divorced/separated	1.012 (0.965)
v04group==30-34	1.004 (0.972)
v04group==35-39	1.236 (0.201)
v04group==40-44	1.523 (0.057)
v04group==45-49	1.428 (0.175)
v04group==50 years plus	1.251 (0.483)
medschyr==1990-1994	1.059 (0.774)
medschyr==1995-1999	0.956 (0.823)
medschyr==2000-2001	1.012 (0.966)
cost==1-\$999	0.972 (0.885)
cost==1000-\$4999	1.172 (0.246)
cost==5000-\$9999	1.601 (0.002)**
cost==>\$10000	1.886 (0.000)**
Observations	2291
p values in parentheses	
* significant at 5%; ** significant at 1%	

Table 1.20: Association between level of stress and overall satisfaction with working hours, 2004 (ordinal logistic regression analysis; odds ratios)

	stress associated with training and work 2004
do you think the hours you work are: 2004	2.267
	(0.000)**
spe==adult medicine	0.960
	(0.780)
spe==paediatrics and child health	1.433
	(0.053)
spe==Other RACP	1.113
	(0.643)
spe==anaesthesia/Intensive care	0.829
	(0.229)
spe==dermatology	1.875
	(0.147)
spe==emergency medicine	1.674
	(0.003)**
spe==obstetrics & gynaecology	1.661
	(0.030)*
spe==ophthalmology	0.651
	(0.186)
spe==pathology	1.154
	(0.535)
spe==psychiatry	1.457
	(0.032)*
spe==radiology	1.210
	(0.385)
spe==surgery	0.974
	(0.872)
career==Left training program or taking a break	0.385
	(0.000)**
career==Completed training and practising	0.747
	(0.007)**
career==Completed and taking a break	0.146
	(0.000)**
q25sex==male	0.882
	(0.126)
q24birthp==Vic	0.945
	(0.646)
q24birthp==Qld	0.907
	(0.517)
q24birthp==SA+NT	1.047
	(0.803)
q24birthp==WA	1.057
	(0.799)
q24birthp==TAS	1.016
	(0.950)
q24birthp==Other country	1.223
	(0.074)
q31rural==yes	1.012
	(0.900)
v5citz==no, permanent resident of australia	0.814
	(0.210)
vchild==one to two	0.811
	(0.028)*
vchild==three or more	0.768
	(0.122)
v3marit==single	1.302
	(0.011)*
v3marit==divorced/separated	0.910
	(0.724)

v04group==30-34	1.015 (0.903)
v04group==35-39	1.302 (0.109)
v04group==40-44	1.448 (0.092)
v04group==45-49	1.282 (0.340)
v04group==50 years plus	1.582 (0.147)
medschyr==1990-1994	1.014 (0.945)
medschyr==1995-1999	0.987 (0.949)
medschyr==2000-2001	1.046 (0.869)
cost==\$1-\$999	0.862 (0.448)
cost==\$1000-\$4999	1.190 (0.204)
cost==\$5000-\$9999	1.625 (0.002)**
cost==>\$10000	2.161 (0.000)**
Observations	2278
p values in parentheses	
* significant at 5%; ** significant at 1%	

Table 1.21: Association between level of stress and hours worked, on average, in past month; ordinal logistic regression analysis and odds ratios ORs

	Stress associated with training and work 2004
How many hours per week did you work on average in the last month 2004?	1.040
spe==adult medicine	0.680 (0.011)*
spe==paediatrics and child health	1.302 (0.159)
spe==Other RACP	0.908 (0.679)
spe==anaesthesia/Intensive care	0.604 (0.002)**
spe==dermatology	1.739 (0.194)
spe==emergency medicine	1.322 (0.111)
spe==obstetrics & gynaecology	1.114 (0.647)
spe==ophthalmology	0.472 (0.025)*
spe==pathology	0.811 (0.372)
spe==psychiatry	1.147 (0.437)
spe==radiology	0.822 (0.373)
spe==surgery	0.513 (0.000)**
career==Left training program or taking a break	0.718 (0.176)
career==Completed training and practising	0.770 (0.015)*
career==Completed and taking a break	0.299

q25sex==male	(0.005)** 0.698
q24birthp==Vic	(0.000)** 1.043
q24birthp==Qld	(0.731) 0.939
q24birthp==SA+NT	(0.677) 1.215
q24birthp==WA	(0.289) 1.039
q24birthp==TAS	(0.859) 1.156
q24birthp==Other country	(0.571) 1.278
q31rural==yes	(0.030)* 1.050
v5citz==no, permanent resident of australia	(0.606) 0.840
vchild==one to two	(0.290) 0.967
vchild==three or more	(0.728) 0.959
v3marit==single	(0.809) 1.253
v3marit==divorced/separated	(0.030)* 0.921
v04group==30-34	(0.762) 0.954
v04group==35-39	(0.706) 1.281
v04group==40-44	(0.134) 1.464
v04group==45-49	(0.084) 1.405
v04group==50 years plus	(0.191) 1.618
medschyr==1990-1994	(0.132) 1.161
medschyr==1995-1999	(0.452) 1.027
medschyr==2000-2001	(0.893) 1.027
cost==\$1-\$999	(0.922) 1.001
cost==\$1000-\$4999	(0.994) 1.160
cost==\$5000-\$9999	(0.278) 1.612
cost==>\$10000	(0.002)** 2.032
Observations	(0.000)** 2279

p values in parentheses
* significant at 5%; ** significant
at 1%

Table 1.22: Association between level of stress and 1)satisfaction with choice of current discipline, 2)overall satisfaction with education and training program, 3)satisfaction with time for family, social and recreational activities, 4)overall satisfaction with working conditions, and 5)satisfaction with hours of work; (ordinal logistic regression analysis and odds ratios)

	stress associated with training and work 2004
how satisfied are you with your choice of discipline? 2004	0.890 (0.078)
overall satisfaction with the training you are receiving 2004	1.029 (0.670)
satisfaction with time you have for family, social & recreational activities 200	0.547 (0.000)**
satisfaction: taking everything in to consideration 2004	0.585 (0.000)**
do you think the hours you work are: 2004	1.244 (0.038)*
spe==adult medicine	0.542 (0.005)**
spe==paediatrics and child health	1.051 (0.849)
spe==Other RACP	0.881 (0.672)
spe==anaesthesia/Intensive care	0.505 (0.002)**
spe==dermatology	1.638 (0.326)
spe==emergency medicine	1.055 (0.828)
spe==obstetrics & gynaecology	0.877 (0.643)
spe==ophthalmology	0.538 (0.136)
spe==pathology	0.979 (0.945)
spe==psychiatry	1.192 (0.458)
spe==radiology	0.983 (0.951)
spe==surgery	0.516 (0.003)**
career==Left training program or taking a break	0.453 (0.011)*
career==Completed training and practising	0.567 (0.321)
career==Completed and taking a break	1.201 (0.833)
q25sex==male	0.769 (0.010)*
q24birthp==Vic	1.059 (0.704)
q24birthp==Qld	0.865 (0.448)
q24birthp==SA+NT	0.929 (0.751)
q24birthp==WA	0.937 (0.811)
q24birthp==TAS	1.801

q24birthp==Other country	(0.066)
	1.337
q31rural==yes	(0.040)*
	0.951
v5citz==no, permanent resident of australia	(0.667)
	0.842
vchild==one to two	(0.398)
	0.780
vchild==three or more	(0.039)*
	0.840
v3marit==single	(0.451)
	1.245
v3marit==divorced/separated	(0.078)
	0.858
v04group==30-34	(0.659)
	1.019
v04group==35-39	(0.892)
	1.411
v04group==40-44	(0.086)
	1.585
v04group==45-49	(0.096)
	1.486
v04group==50 years plus	(0.250)
	1.077
medschyr==1990-1994	(0.858)
	1.064
medschyr==1995-1999	(0.824)
	1.099
medschyr==2000-2001	(0.724)
	1.078
cost==\$1-\$999	(0.822)
	0.785
cost==\$1000-\$4999	(0.545)
	1.132
cost==\$5000-\$9999	(0.723)
	1.457
cost==>\$10000	(0.292)
	1.590
Observations	(0.209)
p values in parentheses	1542
* significant at 5%; ** significant at 1%	

Table 1.23: Relationship between change in satisfaction with choice of discipline between 2002 and 2004 and change in stress score between 2002 and 2004: multiple linear regression results

	Change of the stress score (2004-2002)
Change of satisfaction score of discipline choice	-0.173
	(0.000)**
spe==adult medicine	-0.140
	(0.157)
spe==paediatrics and child health	-0.031
	(0.803)
spe==Other RACP	-0.082
	(0.592)
spe==anaesthesia/Intensive care	-0.303
	(0.004)**
spe==dermatology	0.154
	(0.582)
spe==emergency medicine	-0.044
	(0.698)
spe==obstetrics & gynaecology	-0.123
	(0.437)
spe==ophthalmology	-0.453
	(0.036)*
spe==pathology	-0.060
	(0.699)
spe==psychiatry	-0.128
	(0.280)
spe==radiology	-0.209
	(0.161)
spe==surgery	-0.123
	(0.261)
career==Left training program or taking a break	-0.896
	(0.000)**
career==Completed training and practising	-0.287
	(0.000)**
career==Completed and taking a break	-1.111
	(0.000)**
q25sex==male	0.183
	(0.001)**
q24birthp==Vic	-0.098
	(0.227)
q24birthp==Qld	-0.127
	(0.210)
q24birthp==SA+NT	0.076
	(0.528)
q24birthp==WA	0.183
	(0.211)
q24birthp==TAS	-0.183
	(0.264)
q24birthp==Other country	0.047
	(0.529)
q31rural==yes	-0.045
	(0.464)
v5citz==no, permanent resident of australia	-0.074
	(0.508)
vchild==one to two	-0.081
	(0.205)
vchild==three or more	-0.031
	(0.787)
v3marit==single	0.185
	(0.008)**
v3marit==divorced/separated	0.066
	(0.715)

v04group==30-34	0.075 (0.367)
v04group==35-39	0.176 (0.112)
v04group==40-44	0.429 (0.004)**
v04group==45-49	0.129 (0.466)
v04group==50 years plus	0.214 (0.319)
medschyr==1990-1994	0.113 (0.394)
medschyr==1995-1999	0.084 (0.525)
medschyr==2000-2001	0.184 (0.306)
cost==\$1-\$999	0.088 (0.501)
cost==\$1000-\$4999	0.102 (0.263)
cost==\$5000-\$9999	0.238 (0.019)*
cost==>\$10000	0.188 (0.082)
Constant	-0.377 (0.056)
Observations	2264
R-squared	0.080
p values in parentheses	
* significant at 5%; ** significant at 1%	

Table 1.24: Relationship between change in overall satisfaction with education and training program between 2002 and 2004 and change in stress score between 2002 and 2004: multiple linear regression results

	Change of the stress score (2004-2002)
change of the satisfaction with training and education	-0.165 (0.000)**
spe==adult medicine	-0.299 (0.028)*
spe==paediatrics and child health	-0.060 (0.710)
spe==Other RACP	-0.169 (0.378)
spe==anaesthesia/Intensive care	-0.435 (0.002)**
spe==dermatology	0.364 (0.257)
spe==emergency medicine	0.031 (0.835)
spe==obstetrics & gynaecology	-0.180 (0.312)
spe==ophthalmology	-0.772 (0.004)**
spe==pathology	-0.001 (0.996)
spe==psychiatry	-0.095 (0.526)
spe==radiology	-0.179 (0.322)
spe==surgery	-0.163 (0.232)
career==Left training program or taking a break	-0.905 (0.000)**

career==Completed training and practising	0.060
	(0.866)
career==Completed and taking a break	-0.204
	(0.735)
q25sex==male	0.139
	(0.031)*
q24birthp==Vic	-0.178
	(0.063)
q24birthp==Qld	-0.129
	(0.280)
q24birthp==SA+NT	-0.062
	(0.668)
q24birthp==WA	0.203
	(0.275)
q24birthp==TAS	0.047
	(0.813)
q24birthp==Other country	0.002
	(0.980)
q31rural==yes	0.015
	(0.835)
v5citz==no, permanent resident of australia	-0.021
	(0.867)
vchild==one to two	-0.040
	(0.602)
vchild==three or more	0.070
	(0.635)
v3marit==single	0.251
	(0.001)**
v3marit==divorced/separated	0.218
	(0.308)
v04group==30-34	0.081
	(0.361)
v04group==35-39	0.303
	(0.018)*
v04group==40-44	0.474
	(0.007)**
v04group==45-49	0.153
	(0.485)
v04group==50 years plus	0.377
	(0.154)
medschyr==1990-1994	0.181
	(0.302)
medschyr==1995-1999	0.250
	(0.142)
medschyr==2000-2001	0.285
	(0.169)
cost==\$1-\$999	0.170
	(0.494)
cost==\$1000-\$4999	0.219
	(0.313)
cost==\$5000-\$9999	0.379
	(0.087)
cost==>\$10000	0.143
	(0.531)
Constant	-0.590
	(0.046)*
Observations	1549
R-squared	0.087
p values in parentheses	
* significant at 5%; ** significant at 1%	

Table 1.25: Relationship between change in satisfaction with with time for family, social and recreation activities between 2002 and 2004 and change in stress score between 2002 and 2004: multiple linear regression results

	Change of the stress score (2004-2002)
Change of satisfaction level with family/social/recreation	-0.328 (0.000)**
spe==adult medicine	-0.024 (0.799)
spe==paediatrics and child health	0.085 (0.465)
spe==Other RACP	-0.075 (0.600)
spe==anaesthesia/Intensive care	-0.242 (0.015)*
spe==dermatology	0.250 (0.337)
spe==emergency medicine	0.063 (0.557)
spe==obstetrics & gynaecology	0.058 (0.692)
spe==ophthalmology	-0.206 (0.312)
spe==pathology	-0.092 (0.531)
spe==psychiatry	-0.035 (0.753)
spe==radiology	-0.179 (0.197)
spe==surgery	-0.078 (0.446)
career==Left training program or taking a break	-0.514 (0.000)**
career==Completed training and practising	-0.142 (0.036)*
career==Completed and taking a break	-0.756 (0.002)**
q25sex==male	0.221 (0.000)**
q24birthp==Vic	-0.066 (0.387)
q24birthp==Qld	-0.107 (0.258)
q24birthp==SA+NT	0.027 (0.808)
q24birthp==WA	0.243 (0.078)
q24birthp==TAS	-0.285 (0.065)
q24birthp==Other country	0.022 (0.749)
q31rural==yes	-0.032 (0.584)
v5citz==no, permanent resident of australia	-0.034 (0.745)
vchild==one to two	-0.093 (0.119)
vchild==three or more	-0.098 (0.368)
v3marit==single	0.123 (0.057)
v3marit==divorced/separated	0.053 (0.745)
v04group==30-34	-0.020 (0.795)

v04group==35-39	0.068 (0.511)
v04group==40-44	0.373 (0.007)**
v04group==45-49	0.111 (0.500)
v04group==50 years plus	0.043 (0.828)
medschyr==1990-1994	0.134 (0.278)
medschyr==1995-1999	0.140 (0.256)
medschyr==2000-2001	0.341 (0.043)*
cost==\$1-\$999	0.043 (0.725)
cost==\$1000-\$4999	0.033 (0.701)
cost==\$5000-\$9999	0.133 (0.161)
cost==>\$10000	0.168 (0.097)
Constant	-0.357 (0.053)
Observations	2240
R-squared	0.188
p values in parentheses	
* significant at 5%; ** significant at 1%	

Table 1.26: Relationship between change in satisfaction with working conditions overall between 2002 and 2004 and change in stress score between 2002 and 2004: multiple linear regression results

	Change of the stress score (2004-2002)
Change of overall satisfaction with working conditions	-0.360 (0.000)**
spe==adult medicine	-0.109 (0.256)
spe==paediatrics and child health	0.003 (0.977)
spe==Other RACP	-0.040 (0.787)
spe==anaesthesia/Intensive care	-0.266 (0.009)**
spe==dermatology	0.165 (0.538)
spe==emergency medicine	-0.018 (0.868)
spe==obstetrics & gynaecology	-0.063 (0.677)
spe==ophthalmology	-0.386 (0.065)
spe==pathology	-0.008 (0.959)
spe==psychiatry	-0.102 (0.370)
spe==radiology	-0.179 (0.208)
spe==surgery	-0.113 (0.286)
career==Left training program or taking a break	-0.674 (0.000)**
career==Completed training and practising	-0.277

career==Completed and taking a break	(0.000)** -0.895
q25sex==male	(0.000)** 0.178
q24birthp==Vic	(0.001)** -0.102
q24birthp==Qld	(0.195) -0.119
q24birthp==SA+NT	(0.221) 0.038
q24birthp==WA	(0.741) 0.233
q24birthp==TAS	(0.099) -0.199
q24birthp==Other country	(0.210) 0.046
q31rural==yes	(0.522) -0.027
v5citz==no, permanent resident of Australia	(0.653) -0.064
vchild==one to two	(0.550) -0.069
vchild==three or more	(0.263) -0.055
v3marit==single	(0.621) 0.147
v3marit==divorced/separated	(0.027)* 0.035
v04group==30-34	(0.838) 0.047
v04group==35-39	(0.560) 0.130
v04group==40-44	(0.221) 0.383
v04group==45-49	(0.007)** 0.108
v04group==50 years plus	(0.524) 0.085
medschyr==1990-1994	(0.675) 0.143
medschyr==1995-1999	(0.261) 0.088
medschyr==2000-2001	(0.488) 0.292
cost==\$1-\$999	(0.091) 0.124
cost==\$1000-\$4999	(0.326) 0.109
cost==\$5000-\$9999	(0.213) 0.246
cost==>\$10000	(0.012)* 0.171
Constant	(0.101) -0.351
Observations	(0.065) 2245
R-squared	0.140
p values in parentheses	
* significant at 5%; ** significant at	
1%	

Table 1.27: Relationship between change in satisfaction with hours of work between 2002 and 2004 and change in stress score between 2002 and 2004: multiple linear regression results

	Change of the stress score (2004-2002)
Satisfaction with hours of work 2002 and 2004	0.279
	(0.000)**
spe==adult medicine	-0.135
	(0.170)
spe==paediatrics and child health	-0.006
	(0.964)
spe==Other RACP	-0.098
	(0.523)
spe==anaesthesia/Intensive care	-0.330
	(0.002)**
spe==dermatology	0.116
	(0.674)
spe==emergency medicine	-0.021
	(0.850)
spe==obstetrics & gynaecology	-0.098
	(0.533)
spe==ophthalmology	-0.551
	(0.011)*
spe==pathology	-0.076
	(0.623)
spe==psychiatry	-0.125
	(0.285)
spe==radiology	-0.193
	(0.191)
spe==surgery	-0.164
	(0.128)
career==Left training program or taking a break	-0.806
	(0.000)**
career==Completed training and practising	-0.264
	(0.000)**
career==Completed and taking a break	-1.043
	(0.000)**
q25sex==male	0.187
	(0.001)**
q24birthp==Vic	-0.136
	(0.093)
q24birthp==Qld	-0.091
	(0.362)
q24birthp==SA+NT	0.103
	(0.387)
q24birthp==WA	0.271
	(0.066)
q24birthp==TAS	-0.180
	(0.268)
q24birthp==Other country	0.046
	(0.541)
q31rural==yes	-0.053
	(0.392)
v5citz==no, permanent resident of australia	-0.118
	(0.287)
vchild==one to two	-0.053
	(0.406)
vchild==three or more	-0.006
	(0.955)
v3marit==single	0.183
	(0.008)**
v3marit==divorced/separated	0.082
	(0.642)
v04group==30-34	0.075
	(0.366)

v04group==35-39	0.165 (0.134)
v04group==40-44	0.444 (0.002)**
v04group==45-49	0.075 (0.668)
v04group==50 years plus	0.195 (0.351)
medschyr==1990-1994	0.089 (0.498)
medschyr==1995-1999	0.087 (0.508)
medschyr==2000-2001	0.219 (0.218)
cost==\$1-\$999	-0.008 (0.953)
cost==\$1000-\$4999	0.080 (0.377)
cost==\$5000-\$9999	0.211 (0.036)*
cost==>\$10000	0.169 (0.115)
Constant	-0.358 (0.068)
Observations	2235
R-squared	0.082
p values in parentheses	
* significant at 5%; ** significant at 1%	

Table 1.28: Relationship between change in satisfaction (2002 and 2004) with 1) choice of specialty, 2) education and training program, 3) time for family, social and recreational activities, and 4) overall working conditions and change in stress scores 2002 and 2004: multiple linear regression analysis

	Change of the stress score (2004-2002)
Change of satisfaction score of discipline choice	-0.060 (0.071)
change of the satisfaction with training and education	-0.043 (0.159)
Change of satisfaction level with family/social/recreation	-0.234 (0.000)**
Change of overall satisfaction with working condition	-0.146 (0.000)**
spe==adult medicine	-0.273 (0.037)*
spe==paediatrics and child health	-0.127 (0.413)
spe==Other RACP	-0.220 (0.225)
spe==anaesthesia/Intensive care	-0.465 (0.001)**
spe==dermatology	0.210 (0.489)
spe==emergency medicine	-0.051 (0.727)
spe==obstetrics & gynaecology	-0.158 (0.351)
spe==ophthalmology	-0.594 (0.019)*
spe==pathology	-0.159 (0.382)

spe==psychiatry	-0.148 (0.306)
spe==radiology	-0.335 (0.055)
spe==surgery	-0.247 (0.060)
career==Left training program or taking a break	-0.612 (0.000)**
career==Completed training and practising	0.058 (0.861)
career==Completed and taking a break	0.125 (0.825)
q25sex==male	0.155 (0.011)*
q24birthp==Vic	-0.100 (0.271)
q24birthp==Qld	-0.104 (0.366)
q24birthp==SA+NT	-0.115 (0.403)
q24birthp==WA	0.287 (0.104)
q24birthp==TAS	0.018 (0.924)
q24birthp==Other country	-0.014 (0.863)
q31rural==yes	-0.017 (0.809)
v5citz==no, permanent resident of Australia	-0.005 (0.966)
vchild==one to two	-0.085 (0.248)
vchild==three or more	-0.010 (0.942)
v3marit==single	0.157 (0.036)*
v3marit==divorced/separated	0.111 (0.586)
v04group==30-34	0.046 (0.589)
v04group==35-39	0.227 (0.064)
v04group==40-44	0.452 (0.006)**
v04group==45-49	0.152 (0.460)
v04group==50 years plus	0.117 (0.639)
medschyr==1990-1994	0.200 (0.226)
medschyr==1995-1999	0.258 (0.107)
medschyr==2000-2001	0.374 (0.056)
cost==\$1-\$999	0.156 (0.507)
cost==\$1000-\$4999	0.138 (0.501)
cost==\$5000-\$9999	0.275 (0.188)
cost==>\$10000	0.121 (0.573)
Constant	-0.397 (0.154)
Observations	1500
R-squared	0.184

p values in parentheses
 * significant at 5%; ** significant at
 1%

Table 1.29: Relationship between change in satisfaction (2002 and 2004) with 1) choice of specialty, 2) education and training program, 3) time for family, social and recreational activities, 4) overall working conditions and 5) satisfaction with hours of work and change in stress scores 2002 and 2004: multiple linear regression analysis

	Change of the stress score (2004-2002)
Change of satisfaction score of discipline choice	-0.055 (0.096)
change of the satisfaction with training and education	-0.045 (0.137)
Change of satisfaction level with family/social/recreation	-0.224 (0.000)**
Change of overall satisfaction with working condition	-0.146 (0.000)**
Perceived difference between proper ness of working hours	0.051 (0.283)
spe==adult medicine	-0.283 (0.032)*
spe==paediatrics and child health	-0.144 (0.363)
spe==Other RACP	-0.232 (0.210)
spe==anaesthesia/Intensive care	-0.496 (0.000)**
spe==dermatology	0.186 (0.539)
spe==emergency medicine	-0.068 (0.643)
spe==obstetrics & gynaecology	-0.203 (0.238)
spe==ophthalmology	-0.622 (0.014)*
spe==pathology	-0.168 (0.356)
spe==psychiatry	-0.158