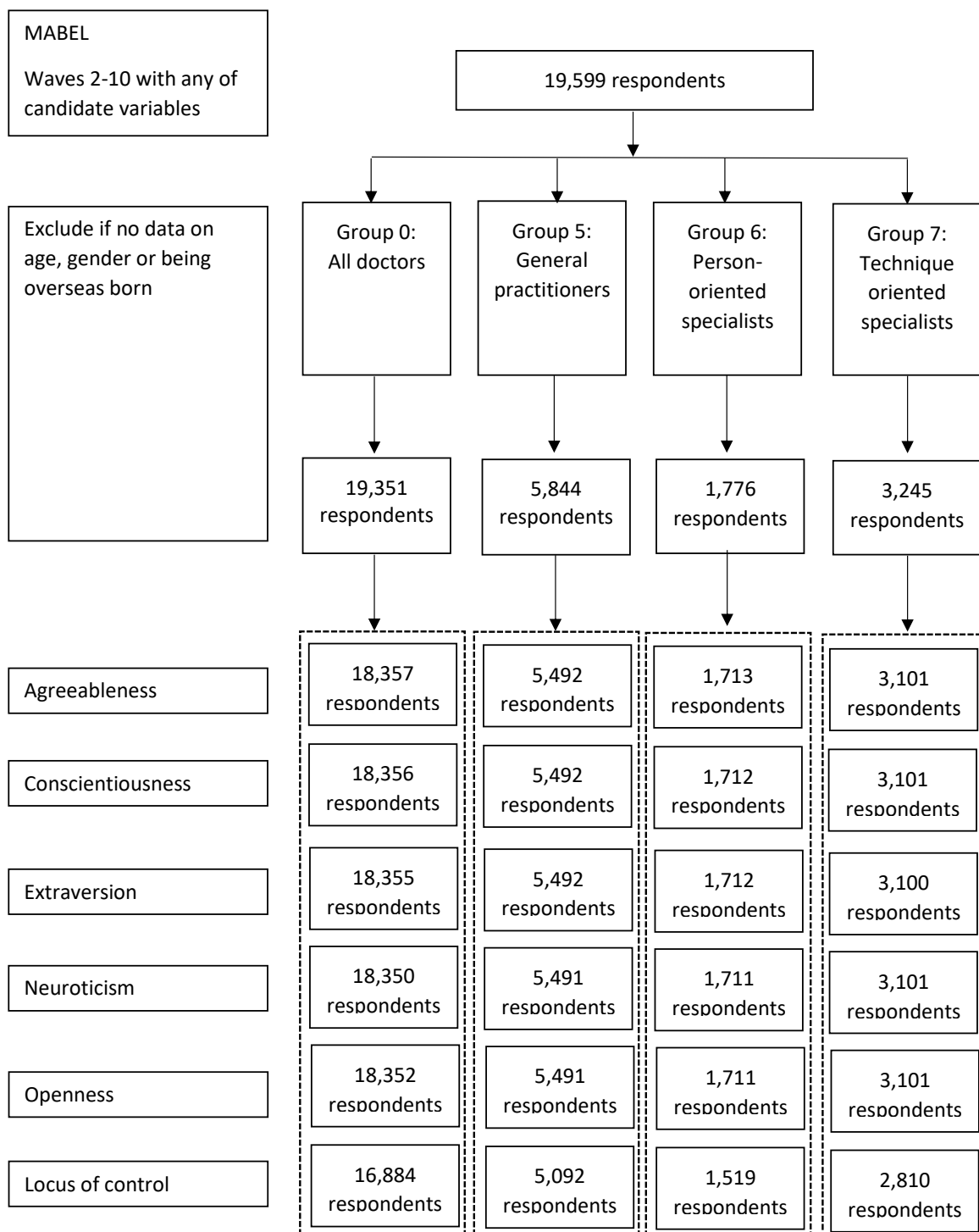


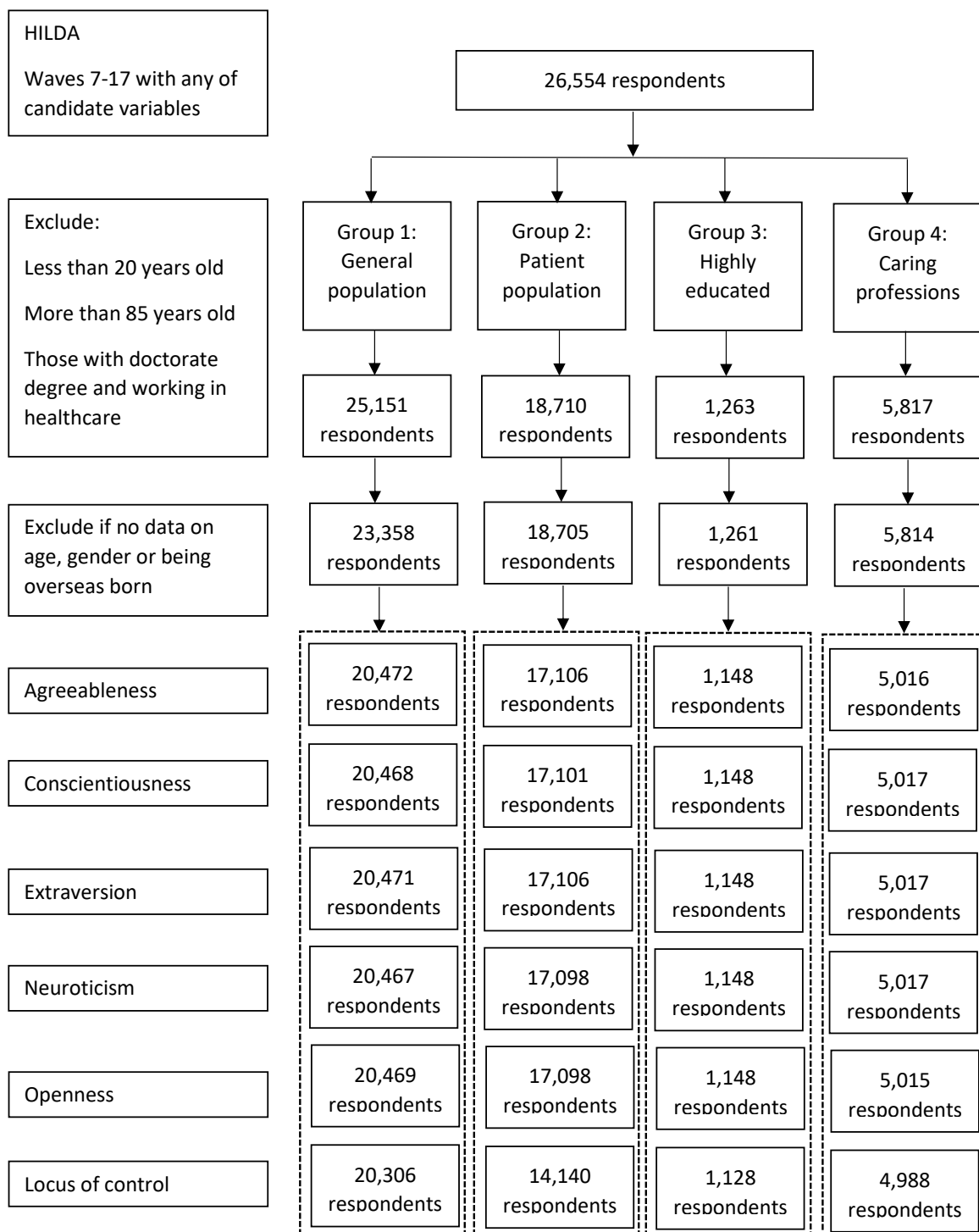
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Appendix 1: Flow diagram for MABEL sample



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Appendix 2: Flow diagram for HILDA sample



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Appendix 3: Definitions of HILDA and MABEL groups

Group in the analysis	Definition of individuals included in the group
HILDA	
Group 1: General population	All individuals from 20 to 85 years old. This group excludes individuals likely to be doctors. Individuals likely to be doctors are defined as working in Hospitals or Medical and Other Health Care Services (based on Australian and New Zealand Standard Industrial Classification [ANSIC] codes 84, 85 that are included in HILDA) and have one or more doctorate degrees.
Group 2: Patients	All individuals from 20 to 85 years old with at least one doctor visit in the year. This group excludes individuals likely to be doctors.
Group 3: Highly educated	All individuals from 20 to 85 years old whose level of education is reported as "Postgrad - masters or doctorate", the highest level of education classified in HILDA. This group excludes individuals likely to be doctors.
Group 4: Caring professions	All individuals from 20 to 85 years old whose current main job is in Public Administration, Hospitals, Medical and Other Health Care Services (ANSIC codes 75, 84, 85) or whose occupation is classified as Health Professionals, Health and Welfare Support Workers, Carers and Aides, Legal, Social and Welfare Professionals, Education Professionals (based on Australian and New Zealand Standard Classification of Occupations [ANZCO] codes 24, 25, 27, 41, 42 that are included in HILDA). This group excludes individuals likely to be doctors.
MABEL	
Group 0: All doctors	All doctors active at the year of data collection. This group includes general practitioners, specialists working in thirty-six different specialties, as well as "junior doctors". Junior doctors in Australia are classified in two categories: hospital non-specialists and specialists-in-training. Hospital non-specialists are mostly interns and resident medical officers, but this group also includes career medical officers and hospital medical officers. Specialists-in-training are yet to complete their fellowship.
Group 5: General practitioners	All general practitioners.
Group 6: Person-oriented specialists	All doctors in person-oriented specialties: General medicine; Geriatrics; Intensive care - internal medicine; Paediatric medicine; Obstetrics and gynaecology; Occupational medicine; Psychiatry; Rehabilitation medicine; Palliative Medicine; Internal medicine - others
Group 7: Technique oriented specialists	All doctors in technique-oriented specialties: Cardiology; Clinical haematology ; Endocrinology ; Gastroenterology ; Infectious diseases ; Medical oncology ; Neurology ; Nuclear medicine ; Renal medicine ; Rheumatology ; Thoracic medicine ; Pathology ; General surgery ; Cardiothoracic surgery ; Orthopaedic surgery ; Otolaryngology ; Plastic/reconstructive surgery; Urology ; Anaesthesia; Dermatology; Diagnostic radiology ; Emergency medicine ; Ophthalmology ; Radiation oncology ; Surgery – others.

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Appendix 4: Descriptive statistics of the doctors and other population groups

HILDA, Population survey	General population (Group 1)			All patients (Group 2)			All highly educated (Group 3)			All care, public service or education (Group 4)		
<i>Personality traits</i>	Mean	S.d.	Observations	Mean	S.d.	Observations	Mean	S.d.	Observations	Mean	S.d.	Observations
Agreeableness	16.26	2.42	130,315	16.32	2.38	35,195	16.34	2.33	6,529	16.45	2.34	21,699
Conscientiousness	15.40	2.66	130,267	15.41	2.62	35,185	15.52	2.63	6,525	15.49	2.64	21,697
Extraversion	13.23	2.81	130,317	13.26	2.78	35,197	13.23	2.86	6,528	13.32	2.83	21,706
Neuroticism	6.31	2.82	130,228	6.38	2.80	35,176	6.27	2.77	6,525	6.30	2.78	21,689
Openness	12.62	2.81	130,213	12.64	2.78	35,173	13.20	2.75	6,526	12.77	2.79	21,686
Locus of control	18.23	6.83	130,218	18.28	6.84	27,957	17.89	6.74	6,331	17.91	6.67	21,743
Demographics*												
Non-Australian born	0.23		157,102	0.22		37,112	0.39		7,821	0.20		26,773
Age	46.40	17.03	165,948	47.61	17.26	37,125	46.70	13.91	7,843	42.49	13.01	26,785
Female	0.52		165,948	0.56		37,125	0.49		7,843	0.74		26,785
MABEL, Physicians survey	All doctors (Group 0)			General practitioners (Group 5)			Person-oriented specialists (Group 6)			Technique-oriented specialists (Group 7)		
<i>Personality traits</i>	Mean	S.d.	Observations	Mean	S.d.	Observations	Mean	S.d.	Observations	Mean	S.d.	Observations
Agreeableness	16.49	2.57	18,357	16.83	2.55	5,492	16.45	2.54	1,713	16.07	2.68	3,101
Conscientiousness	17.04	2.44	18,356	16.98	2.52	5,492	17.13	2.39	1,712	17.26	2.38	3,101
Extraversion	13.93	3.52	18,355	13.78	3.51	5,492	13.97	3.42	1,712	13.48	3.49	3,100
Neuroticism	11.13	3.92	18,350	10.89	4.03	5,491	10.82	3.84	1,711	10.65	3.74	3,101
Openness	14.00	3.22	18,352	13.99	3.29	5,491	14.61	3.06	1,711	14.14	3.09	3,101
Locus of control	18.35	7.10	16,884	18.15	7.23	5,092	18.36	6.98	1,519	18.43	7.21	2,810
Demographics*												
Non-Australian born	0.27		19,351	0.34		5,844	0.34		1,776	0.28		3,245
Age	41.10	12.75	19,351	46.72	11.73	5,844	49.99	10.50	1,776	48.11	10.00	3,245
Female	0.47		19,351	0.50		5,844	0.41		1,776	0.28		3,245

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Notes: *Demographics for the year based on respondent answers when they answer the locus of control question for the first time. Samples for Big Five personality measures may differ and are typically larger.

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Appendix 5: Regression results for comparison of personalities of doctors with the general population, patients, highly educated and caring professions

VARIABLES	(1)			(2)			(3)			(4)		
	Group 1 Agreeableness			Group 2 Agreeableness			Group 3 Agreeableness			Group 4 Agreeableness		
	coeff	ci	pval	coeff	ci	pval	coeff	ci	pval	coeff	ci	pval
Non-Australian born	0.014	-0.011,0.038	0.272	0.015	-0.035,0.066	0.550	0.009	-0.073,0.091	0.824	0.015	-0.030,0.059	0.525
Age	0.001** *	0.001,0.002	0.000	0.002**	0.001,0.003	0.001	0.003	-0.000,0.006	0.090	0.003** *	0.001,0.004	0.000
Female	0.142** *	0.124,0.160	0.000	0.391** *	0.354,0.428	0.000	0.064	-0.027,0.154	0.170	0.136** *	0.097,0.175	0.000
Personality z-score	- 0.378** *	-0.417,-0.339	0.000	- 0.774** *	-0.853,-0.695	0.000	- 0.315 **	-0.507,-0.123	0.001	- 0.371** *	-0.471,-0.271	0.000
Observations	114536			32985			6027			20187		
R-squared	0.006			0.043			0.002			0.006		

VARIABLES	(5)			(6)			(7)			(8)		
	Group 1 Conscientiousness			Group 2 Conscientiousness			Group 3 Conscientiousness			Group 4 Conscientiousness		
	coeff	ci	pval	coeff	ci	pval	coeff	ci	pval	coeff	ci	pval
Non-Australian born												0.021
Age	0.034**	0.009,0.059	0.007	0.077**	0.028,0.127	0.002	-0.052	-0.130,0.027	0.195	0.065*	0.010,0.121	0.000
Female	0.073** *	0.054,0.092	0.000	0.173** *	0.134,0.212	0.000	0.012	-0.071,0.095	0.769	0.086** *	0.040,0.133	0.000
Personality z-score	- 0.957** *	-0.999,-0.915	0.000	- 1.271** *	-1.355,-1.187	0.000	- 0.747 ***	-0.935,-0.558	0.000	- 0.955** *	-1.069,-0.841	0.000

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	(9)			(10)			(11)			(12)		
	Group 1 Extraversion			Group 2 Extraversion			Group 3 Extraversion			Group 4 Extraversion		
VARIABLES	coeff	ci	pval	coeff	ci	pval	coeff	ci	pval	coeff	ci	pval
Observations	114498			32977			6024			20185		
R-squared	0.004			0.018			0.002			0.004		
Non-Australian born	0.020*	0.003,0.038	0.025	0.035	-0.003,0.072	0.072	0.002	-0.057,0.062	0.938	0.025	-0.019,0.070	0.268
Age	-			-			-			-		
	0.001**	-0.002,-0.001	0.000	0.003**	-0.004,-0.002	0.000	-0.002	-0.004,0.001	0.134	-0.001*	-0.003,-0.000	0.029
Female	0.053**	0.039,0.067	0.000	0.118**	0.089,0.147	0.000	0.053	-0.010,0.117	0.101	0.045*	0.007,0.082	0.020
Personality z-score	-			-			-			-		
	0.224**	-0.255,-0.192	0.000	0.244**	-0.308,-0.181	0.000	0.182	-0.353,-0.010	0.038	0.191**	-0.283,-0.099	0.000
Observations	114537			32986			6026			20191		
R-squared	0.002			0.010			0.002			0.001		
	(13)			(14)			(15)			(16)		
	Group 1 Neuroticism			Group 2 Neuroticism			Group 3 Neuroticism			Group 4 Neuroticism		
VARIABLES	coeff	ci	pval	coeff	ci	pval	coeff	ci	pval	coeff	ci	pval
Non-Australian born	0.024**	0.008,0.040	0.003	0.042*	0.009,0.075	0.012	0.079**	0.022,0.136	0.007	-0.012	-0.049,0.024	0.516
Age	-			-			-			-		
	0.004**	-0.005,-0.004	0.000	0.010**	-0.010,-0.009	0.000	0.005***	-0.007,-0.003	0.000	0.005**	-0.006,-0.004	0.000

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Female	-0.013*	-0.026,-0.001	0.039	-0.031*	-0.056,-0.006	0.015	-0.007	-0.068,0.055	0.834	0.004	-0.028,0.037	0.796
Personality z-score	-			-			-			-		
	1.006**			0.710**			1.011			1.018**		0.000
	*	-1.034,-0.978	0.000	*	-0.764,-0.656	0.000	***	-1.158,-0.864	0.000	*	-1.097,-0.938	0
Observations	114461			32969			6024			20177		
R-squared	0.010			0.052			0.014			0.008		

	(17)			(18)			(19)			(20)		
	Group 1 Openness			Group 2 Openness			Group 3 Openness			Group 4 Openness		
VARIABLES	coeff	ci	pval	coeff	ci	pval	coeff	ci	pval	coeff	ci	pval
Non-Australian born	0.034**			0.076**								
	*	0.014,0.055	0.001	*	0.033,0.119	0.001	-0.044	-0.107,0.020	0.178	0.047*	0.002,0.093	0.042
Age	-			-								
	0.002**			0.006**			0.003					0.086
	*	-0.003,-0.002	0.000	*	-0.007,-0.005	0.000	*	0.000,0.005	0.037	-0.001	-0.003,0.000	
Female	-			-								
	0.032**			0.074**			-0.035	-0.103,0.033	0.308	-0.045*	-0.085,-0.005	0.028
	*	-0.048,-0.016	0.000	*	-0.107,-0.040	0.000						
Personality z-score	-			-			-			-		
	0.277**			-0.028	-0.101,0.046	0.460	0.312	-0.454,-0.169	0.000	0.264**	-0.363,-0.165	0.000
	*	-0.312,-0.243	0.000				***			*		
Observations	114443			32965			6024			20174		
R-squared	0.003			0.018			0.003			0.001		

	(21)			(22)			(23)			(24)		
	Group 1 Locus of Control			Group 2 Locus of Control			Group 3 Locus of Control			Group 4 Locus of Control		

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VARIABLES	coeff	ci	pval	coeff	ci	pval	coeff	ci	pval	coeff	ci	pval
Non-Australian born	0.045**						0.184					0.36
	*	0.022,0.067	0.000	-0.001	-0.044,0.042	0.967	***	0.098,0.269	0.000	0.024	-0.028,0.076	4
Age	0.002**											0.50
	*	0.001,0.002	0.000	0.001	-0.000,0.002	0.296	0.000	-0.004,0.003	0.767	0.001	-0.001,0.002	0
Female												0.72
	0.009	-0.008,0.026	0.281	0.006	-0.026,0.038	0.723	-0.011	-0.107,0.085	0.823	0.008	-0.035,0.051	1
Personality z-score	-											0.09
	0.096**											6
	*	-0.135,-0.058	0.000	-0.040	-0.111,0.030	0.261	-0.064	-0.298,0.171	0.595	-0.091	-0.198,0.016	
Observations	114623			25170			5872			20267		
R-squared	0.001			0.000			0.009			0.000		

Note: Robust standard errors in parentheses. *** p<0.01, ** p<0.05, * p<0.1

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Appendix 6: Comparison of personalities of doctors with the general population, patients, highly educated and caring professions by sex

Table 6.1: Regression results

Male												
	(1m)			(2m)			(3m)			(4m)		
	Group 1 Agreeableness			Group 2 Agreeableness			Group 3 Agreeableness			Group 4 Agreeableness		
VARIABLES	coeff	ci	pval	coeff	ci	pval	coeff	ci	pval	coeff	ci	pval
Non-Australian born	0.028	-0.005,0.061	0.100	0.029	-0.045,0.103	0.444	0.116*	0.026,0.207	0.012	-0.004	-0.093,0.086	0.937
Age	0.002***	0.001,0.003	0.000	0.003***	0.001,0.005	0.001	0.001	-0.002,0.004	0.544	0.003*	0.000,0.005	0.027
Personality z-score	-0.258***	-0.300,-0.215	0.000	-0.440***	-0.527,-0.353	0.000	-0.224*	-0.396,-0.052	0.011	-0.238***	-0.358,-0.118	0.000
Observations	53289			14454			3062			5337		
R-squared	0.001			0.003			0.004			0.002		

Male												
	(5m)			(6m)			(7m)			(8m)		
	Group 1 Conscientiousness			Group 2 Conscientiousness			Group 3 Conscientiousness			Group 4 Conscientiousness		
VARIABLES	coeff	ci	pval	coeff	ci	pval	coeff	ci	pval	coeff	ci	pval
Non-Australian born	0.043*	0.009,0.078	0.014	0.114**	0.043,0.184	0.002	-0.057	-0.152,0.038	0.236	0.013	-0.088,0.114	0.800
Age	0.003***	0.003,0.004	0.000	0.006***	0.005,0.008	0.000	0.001	-0.002,0.005	0.444	0.004*	0.000,0.007	0.024
Personality z-score	-0.887***	-0.932,-0.842	0.000	-1.108***	-1.199,-1.017	0.000	-0.665***	-0.846,-0.483	0.000	-0.841***	-0.986,-0.697	0.000
Observations	53261			14450			3060			5336		
R-squared	0.003			0.014			0.001			0.002		

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<i>Male</i>												
	(9m)			(10m)			(11m)			(12m)		
	Group 1 Extraversion			Group 2 Extraversion			Group 3 Extraversion			Group 4 Extraversion		
VARIABLES	coeff	ci	pval	coeff	ci	pval	coeff	ci	pval	coeff	ci	pval
Non-Australian born	0.016	-0.010,0.043	0.223	0.061*	0.006,0.115	0.029	0.016	-0.069,0.101	0.716	0.015	-0.076,0.107	0.741
Age	-0.001***	-0.002,-0.001	0.000	-0.003***	-0.004,-0.002	0.000	-0.003	-0.006,0.001	0.112	-0.002	-0.004,0.000	0.107
Personality z-score	-0.169***	-0.201,-0.136	0.000	-0.138***	-0.203,-0.073	0.000	-0.095	-0.267,0.077	0.280	-0.125*	-0.231,-0.020	0.020
Observations	53285			14455			3062			5341		
R-squared	0.001			0.005			0.002			0.001		

<i>Male</i>												
	(13m)			(14m)			(15m)			(16m)		
	Group 1 Neuroticism			Group 2 Neuroticism			Group 3 Neuroticism			Group 4 Neuroticism		
VARIABLES	coeff	ci	pval	coeff	ci	pval	coeff	ci	pval	coeff	ci	pval
Non-Australian born	0.025*	0.001,0.048	0.038	0.021	-0.023,0.065	0.356	0.060	-0.016,0.135	0.120	-0.020	-0.099,0.059	0.624
Age	-0.004***	-0.004,-0.003	0.000	-0.007***	-0.008,-0.006	0.000	-0.004*	-0.006,-0.001	0.011	-0.002*	-0.004,-0.000	0.017
Personality z-score	-1.055***	-1.083,-1.027	0.000	-0.849***	-0.902,-0.796	0.000	-1.073***	-1.217,-0.930	0.000	-1.124***	-1.218,-1.030	0.000
Observations	53247			14448			3060			5336		
R-squared	0.007			0.030			0.008			0.002		

<i>Male</i>												
	(17m)			(18m)			(19m)			(20m)		
	Group 1 Openness			Group 2 Openness			Group 3 Openness			Group 4 Openness		
VARIABLES	coeff	ci	pval	coeff	ci	pval	coeff	ci	pval	coeff	ci	pval

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Non-Australian born	0.051***	0.023,0.078	0.000	0.061	-0.004,0.126	0.064	-0.010	-0.087,0.067	0.807	0.048	-0.045,0.141	0.315
Age	-0.003***	-0.003,-0.002	0.000	-0.006***	-0.008,-0.005	0.000	0.002	-0.001,0.005	0.165	-0.001	-0.004,0.002	0.428
Personality z-score	-0.302***	-0.337,-0.266	0.000	-0.117**	-0.194,-0.041	0.003	-0.339***	-0.480,-0.197	0.000	-0.313***	-0.441,-0.184	0.000
Observations	53242			14446			3060			5335		
R-squared	0.003			0.015			0.001			0.001		

Male

VARIABLES	(21m)			(22m)			(23m)			(24m)		
	Group 1 Locus of Control			Group 2 Locus of Control			Group 3 Locus of Control			Group 4 Locus of Control		
	coeff	ci	pval	coeff	ci	pval	coeff	ci	pval	coeff	ci	pval
Non-Australian born	0.039*	0.006,0.071	0.019	0.006	-0.055,0.067	0.852	0.181**	0.070,0.292	0.001	0.048	-0.055,0.151	0.361
Age	0.001*	0.000,0.002	0.019	0.000	-0.002,0.001	0.901	0.000	-0.004,0.004	0.928	0.002	-0.002,0.005	0.364
Personality z-score	-0.057**	-0.097,-0.017	0.005	-0.005	-0.083,0.073	0.898	-0.105	-0.325,0.116	0.352	-0.133	-0.279,0.013	0.075
Observations	53251			10971			2983			5335		
R-squared	0.001			0.000			0.008			0.001		

Female

VARIABLES	(1f)			(2f)			(3f)			(4f)		
	Group 1 Agreeableness			Group 2 Agreeableness			Group 3 Agreeableness			Group 4 Agreeableness		
	coeff	ci	pval	coeff	ci	pval	coeff	ci	pval	coeff	ci	pval
Non-Australian born	-0.001	-0.036,0.034	0.955	0.002	-0.067,0.071	0.948	-0.134	-0.278,0.009	0.067	0.022	-0.029,0.074	0.394
Age	0.001*	0.000,0.002	0.018	0.001	-0.001,0.002	0.236	0.006	-0.000,0.013	0.063	0.003**	0.001,0.004	0.003

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Personality z-score	-0.071***	-0.111,-0.032	0.000	0.056	-0.020,0.132	0.152	-0.268	-0.566,0.031	0.078	-0.097*	-0.176,-0.019	0.015
Observations	61247			18531			2965			14850		
R-squared	0.000			0.000			0.012			0.001		

Female

	(5f)			(6f)			(7f)			(8f)		
	Group 1 Conscientiousness			Group 2 Conscientiousness			Group 3 Conscientiousness			Group 4 Conscientiousness		
VARIABLES	coeff	ci	pval	coeff	ci	pval	coeff	ci	pval	coeff	ci	pval
Non-Australian born	0.025	-0.010,0.060	0.164	0.045	-0.024,0.114	0.198	-0.049	-0.181,0.083	0.468	0.087**	0.021,0.153	0.009
Age	0.003***	0.003,0.004	0.000	0.006***	0.005,0.008	0.000	0.005	-0.000,0.010	0.069	0.004***	0.002,0.006	0.000
Personality z-score	-0.806***	-0.848,-0.764	0.000	-0.915***	-0.996,-0.835	0.000	-0.818***	-1.070,-0.565	0.000	-0.792***	-0.881,-0.703	0.000
Observations	61237			18527			2964			14849		
R-squared	0.003			0.011			0.004			0.004		

Female

	(9f)			(10f)			(11f)			(12f)		
	Group 1 Extraversion			Group 2 Extraversion			Group 3 Extraversion			Group 4 Extraversion		
VARIABLES	coeff	ci	pval	coeff	ci	pval	coeff	ci	pval	coeff	ci	pval
Non-Australian born	0.025*	0.000,0.049	0.049	0.012	-0.040,0.064	0.661	-0.017	-0.099,0.064	0.674	0.015	-0.076,0.107	0.741
Age	-0.001***	-0.002,-0.001	0.000	-0.003***	-0.004,-0.002	0.000	0.000	-0.003,0.003	0.834	-0.002	-0.004,0.000	0.107
Personality z-score	-0.120***	-0.150,-0.089	0.000	0.002	-0.058,0.062	0.945	-0.128	-0.273,0.017	0.084	-0.125*	-0.231,-0.020	0.020
Observations	61252			18531			2964			5341		

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R-squared	0.001			0.004			0.000			0.001		
Female												
	(13f)			(14f)			(15f)			(16f)		
	Group 1 Neuroticism			Group 2 Neuroticism			Group 3 Neuroticism			Group 4 Neuroticism		
VARIABLES	coeff	ci	pval	coeff	ci	pval	coeff	ci	pval	coeff	ci	pval
Non-Australian born	0.023*	0.001,0.044	0.041	0.058*	0.010,0.105	0.018	0.108*	0.019,0.197	0.018	-0.007	-0.047,0.032	0.714
Age	-0.005***	-0.005,-0.004	0.000	-0.012***	-0.013,-0.010	0.000	-0.007***	-0.011,-0.004	0.000	-0.006***	-0.007,-0.005	0.000
Personality z-score	-0.998***	-1.025,-0.971	0.000	-0.683***	-0.737,-0.629	0.000	-0.938***	-1.104,-0.772	0.000	-0.961***	-1.020,-0.902	0.000
Observations	61214			18521			2964			14841		
R-squared	0.013			0.074			0.023			0.011		

Female												
	(17f)			(18f)			(19f)			(20f)		
	Group 1 Openness			Group 2 Openness			Group 3 Openness			Group 4 Openness		
VARIABLES	coeff	ci	pval	coeff	ci	pval	coeff	ci	pval	coeff	ci	pval
Non-Australian born	0.019	-0.011,0.049	0.224	0.089**	0.031,0.147	0.002	-0.089	-0.197,0.019	0.105	0.047	-0.004,0.099	0.072
Age	-0.002***	-0.003,-0.002	0.000	-0.007***	-0.008,-0.006	0.000	0.004	-0.001,0.008	0.106	-0.001	-0.003,0.000	0.117
Personality z-score	-0.347***	-0.382,-0.312	0.000	-0.162***	-0.228,-0.097	0.000	-0.407***	-0.608,-0.206	0.000	-0.352***	-0.421,-0.283	0.000
Observations	61201			18519			2964			14839		
R-squared	0.002			0.019			0.006			0.001		

Female												
	(21f)			(22f)			(23f)			(24f)		

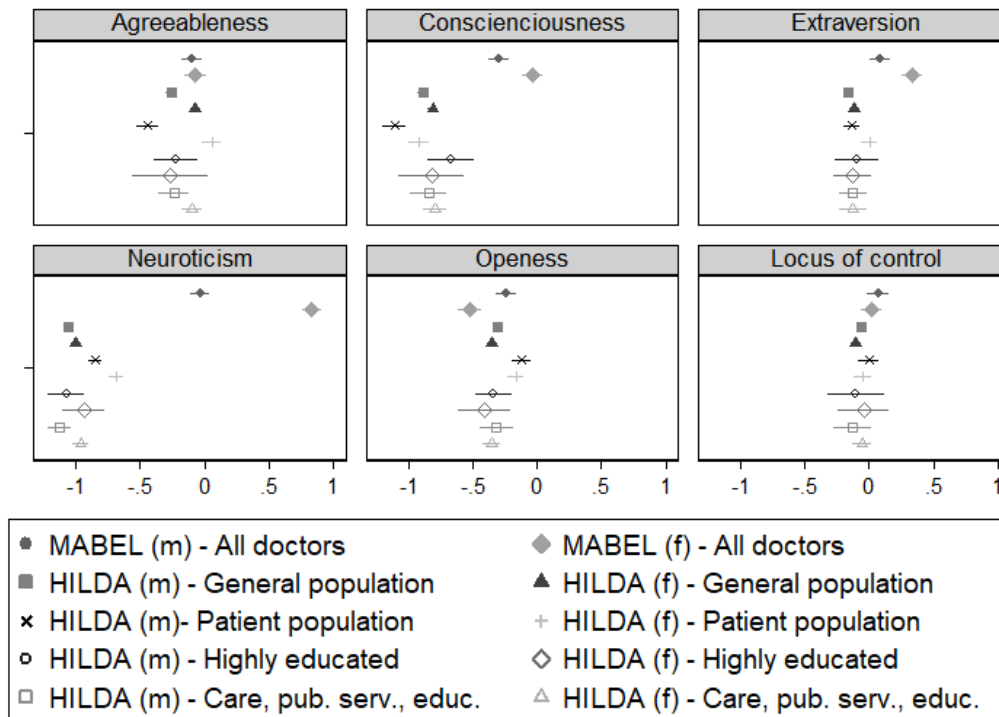
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VARIABLES	Group 1 Locus of Control			Group 2 Locus of Control			Group 3 Locus of Control			Group 4 Locus of Control		
	coeff	ci	pval	coeff	ci	pval	coeff	ci	pval	coeff	ci	pval
Non-Australian born	0.051***	0.021,0.082	0.001	-0.006	-0.065,0.054	0.850	0.189**	0.055,0.323	0.006	0.014	-0.045,0.073	0.636
Age	0.002***	0.001,0.003	0.000	0.001	-0.000,0.002	0.134	-0.001	-0.006,0.003	0.508	0.000	-0.002,0.002	0.895
Personality z-score	-0.106***	-0.141,-0.071	0.000	-0.052	-0.121,0.016	0.134	-0.044	-0.246,0.157	0.666	-0.055	-0.132,0.023	0.166
Observations	61372			14199			2889			14932		
R-squared	0.002			0.000			0.010			0.000		

Note: Robust standard errors in parentheses. *** p<0.01, ** p<0.05, * p<0.1

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Figure 6.2: Graphical results



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Appendix 7: Regression results for Comparison of personalities of doctors across specialties grouping

VARIABLES	(1)			(2)			(3)			(4)		
	Group 0 Agreeableness			Group 5 Agreeableness			Group 6 Agreeableness			Group 7 Agreeableness		
	coeff	ci	pval	coeff	ci	pval	coeff	ci	pval	coeff	ci	pval
Non-Australian born	0.225** *	0.187,0.263	0.000	0.210** *	0.144,0.277	0.000	0.230 ***	0.124,0.336	0.000	0.101**	0.009,0.193	0.03 1
Age	0.001	-0.001,0.002	0.357	- 0.004** *	-0.007,-0.001	0.005	0.005 **	0.000,0.010	0.030	0.002	-0.002,0.007	0.25 6
Female	0.092** *	0.060,0.125	0.000	0.048	-0.014,0.110	0.129	0.079	-0.027,0.185	0.142	0.097**	0.010,0.185	0.02 9
Personality z-score	- 0.118** *	-0.181,-0.055	0.000	0.252** *	0.093,0.411	0.002	- 0.380 ***	-0.637,-0.122	0.004	- 0.332** *	-0.551,-0.114	0.00 3
Observations	18,357			5,492			1,713			3,101		
R-squared	0.012			0.015			0.013			0.003		

VARIABLES	(5)			(6)			(7)			(8)		
	Group 0 Conscientiousness			Group 5 Conscientiousness			Group 6 Conscientiousness			Group 7 Conscientiousness		
	coeff	ci	pval	coeff	ci	pval	coeff	ci	pval	coeff	ci	pval
Non-Australian born	0.147** *	0.110,0.184	0.000	0.195** *	0.128,0.261	0.000	0.200 ***	0.096,0.305	0.000	0.100**	0.012,0.188	0.02 6
Age	0.003** *	0.002,0.005	0.000	0.003**	0.000,0.006	0.042	0.006 **	0.001,0.011	0.030	0.002	-0.002,0.006	0.37 6
Female	0.194** *	0.161,0.227	0.000	0.158** *	0.095,0.221	0.000	0.170 ***	0.070,0.271	0.001	0.240** *	0.154,0.327	0.00 0

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Personality z-score	-	-	-	0.267**	0.311**	0.379	0.36
	*	-0.331,-0.203	0.000	*	-0.471,-0.151	0.000	5
Observations	18,356	5,492	1,712	3,101			
R-squared	0.012	0.011	0.014	0.012			

	(9)			(10)			(11)			(12)		
	Group 0 Extraversion			Group 5 Extraversion			Group 6 Extraversion			Group 7 Extraversion		
VARIABLES	coeff	ci	pval	coeff	ci	pval	coeff	ci	pval	coeff	ci	pval
Non-Australian born	-0.023	-0.064,0.018	0.270	0.020	-0.050,0.091	0.569	0.055	-0.048,0.158	0.296	0.087**	0.004,0.169	0.03
Age	-			-			0.005**					0.39
	*	-0.006,-0.003	0.000	-0.002	-0.005,0.001	0.199	-0.000	-0.005,0.005	0.909	-0.002	-0.005,0.002	7
Female	0.196**	0.160,0.232	0.000	0.215**	0.149,0.280	0.000	0.217	0.111,0.322	0.000	0.269**	0.185,0.353	0.00
	*			*			***			*		0
Personality z-score	0.107**	0.042,0.172	0.001	-0.057	-0.210,0.096	0.465	-0.084	-0.351,0.183	0.538	-0.138	-0.328,0.051	0.15
	*											2
Observations	18,355	5,492	1,712	3,100								
R-squared	0.017	0.013	0.012	0.016								

	(13)			(14)			(15)			(16)		
	Group 0 Neuroticism			Group 5 Neuroticism			Group 6 Neuroticism			Group 7 Neuroticism		
VARIABLES	coeff	ci	pval	coeff	ci	pval	coeff	ci	pval	coeff	ci	pval
Non-Australian born	-			-			-			-		
	0.195**	-0.234,-0.156	0.000	0.238**	-0.308,-0.168	0.000	0.279	-0.380,-0.177	0.000	0.143**	-0.223,-0.063	0.00
	*			*			***			*		0

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Age	-	-	-	-	-	-	-	-	-	-	-	-
	0.007**			0.008**			0.008			0.006**		0.00
	*	-0.008,-0.005	0.000	*	-0.011,-0.005	0.000	***	-0.012,-0.003	0.001	*	-0.010,-0.003	1
Female	0.382**			0.294**			0.292			0.220**		0.00
	*	0.349,0.415	0.000	*	0.229,0.360	0.000	***	0.190,0.395	0.000	*	0.137,0.303	0
Personality z-score	0.138**			0.252**			0.276			0.150	-0.030,0.331	0.10
	*	0.077,0.198	0.000	*	0.096,0.407	0.002	**	0.009,0.544	0.043			3
Observations	18,350			5,491			1,711			3,101		
R-squared	0.063			0.048			0.051			0.020		

	(17)			(18)			(19)			(20)		
	Group 0 Openness			Group 5 Openness			Group 6 Openness			Group 7 Openness		
VARIABLES	coeff	ci	pval	coeff	ci	pval	coeff	ci	pval	coeff	ci	pval
Non-Australian born	0.063**			0.044	-0.034,0.121	0.266	0.049	-0.054,0.153	0.351	0.064	-0.016,0.143	0.11
	*	0.022,0.104	0.003	*			*			*		6
Age	0.008**			0.005**			0.014			0.012**		0.00
	*	0.006,0.009	0.000	*	0.002,0.008	0.002	***	0.009,0.018	0.000	*	0.008,0.015	0
Female	-			-			-			-		
	0.094**			0.128**			-0.038	-0.138,0.062	0.458	0.034	-0.049,0.117	0.41
	*	-0.128,-0.059	0.000	*	-0.199,-0.058	0.000						9
Personality z-score	-			-			-			-		
	0.295**			0.180**	-0.357,-0.003	0.047	0.511	-0.765,-0.256	0.000	0.537**		0.00
	*	-0.360,-0.231	0.000	*			***			*	-0.722,-0.351	0
Observations	18,352			5,491			1,711			3,101		
R-squared	0.016			0.009			0.027			0.016		

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VARIABLES	(21)			(22)			(23)			(24)		
	Group 0 Locus of Control			Group 5 Locus of Control			Group 6 Locus of Control			Group 7 Locus of Control		
	coeff	ci	pval	coeff	ci	pval	coeff	ci	pval	coeff	ci	pval
Non-Australian born	0.096**											
	*	0.051,0.141	0.000	0.094**	0.015,0.173	0.020	0.007	-0.103,0.117	0.904	0.011	-0.081,0.103	0.81
Age	-											
	0.002**	-0.003,-0.000	0.032	-0.001	-0.004,0.002	0.598	-0.003	-0.008,0.002	0.212	-0.000	-0.004,0.004	0.85
Female												
	-						0.110					0.93
	0.043**	-0.079,-0.007	0.021	-0.052	-0.124,0.019	0.150	**	-0.218,-0.002	0.047	0.004	-0.087,0.094	8
Personality z-score												0.77
	0.064*	-0.004,0.132	0.064	0.011	-0.162,0.184	0.902	0.216	-0.061,0.493	0.126	0.030	-0.178,0.238	6
Observations	16,884			5,092			1,519			2,810		
R-squared	0.003			0.003			0.003			0.000		

Note: Robust standard errors in parentheses. *** p<0.01, ** p<0.05, * p<0.1

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Appendix 8: Comparison of personalities of doctors across specialties grouping, by sex

Table 8.1: Regression results

<i>Male</i>												
	(1m)			(2m)			(3m)			(4m)		
	Group 0 Agreeableness			Group 5 Agreeableness			Group 6 Agreeableness			Group 7 Agreeableness		
VARIABLES	coeff	ci	pval	coeff	ci	pval	coeff	ci	pval	coeff	ci	pval
Non-Australian born	0.222***	0.172,0.273	0.000	0.252***	0.158,0.345	0.000	0.203***	0.067,0.338	0.004	0.060	-0.048,0.169	0.276
Age	0.000	-0.002,0.002	0.878	-0.004**	-0.008,-0.000	0.032	0.005**	0.000,0.011	0.048	0.003	-0.001,0.008	0.154
Personality z-score	-0.094**	-0.173,-0.016	0.018	0.237**	0.027,0.447	0.027	-0.389**	-0.694,-0.084	0.012	-0.370***	-0.614,-0.126	0.003
Observations	9,708			2,773			1,018			2,239		
R-squared	0.010			0.019			0.011			0.002		

<i>Male</i>												
	(5m)			(6m)			(7m)			(8m)		
	Group 0 Conscientiousness			Group 5 Conscientiousness			Group 6 Conscientiousness			Group 7 Conscientiousness		
VARIABLES	coeff	ci	pval	coeff	ci	pval	coeff	ci	pval	coeff	ci	pval
Non-Australian born	0.164***	0.115,0.214	0.000	0.205***	0.113,0.297	0.000	0.215***	0.081,0.350	0.002	0.090*	-0.016,0.195	0.095
Age	0.004***	0.002,0.005	0.000	0.003	-0.001,0.007	0.140	0.007**	0.001,0.013	0.029	0.001	-0.003,0.006	0.565
Personality z-score	-0.292***	-0.372,-0.212	0.000	-0.307***	-0.516,-0.098	0.004	-0.447***	-0.778,-0.116	0.008	-0.073	-0.322,0.175	0.563
Observations	9,707			2,773			1,017			2,239		
R-squared	0.008			0.009			0.013			0.002		

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<i>Male</i>												
	(9m)			(10m)			(11m)			(12m)		
	Group 0 Extraversion			Group 5 Extraversion			Group 6 Extraversion			Group 7 Extraversion		
VARIABLES	coeff	ci	pval	coeff	ci	pval	coeff	ci	pval	coeff	ci	pval
Non-Australian born	0.001	-0.055,0.056	0.983	0.054	-0.045,0.154	0.284	0.062	-0.065,0.189	0.340	0.098**	0.002,0.194	0.045
Age	-0.004***	-0.006,-0.003	0.000	-0.001	-0.005,0.003	0.739	0.001	-0.004,0.007	0.673	-0.001	-0.005,0.003	0.641
Personality z-score	0.084**	0.002,0.166	0.044	-0.133	-0.337,0.070	0.199	-0.165	-0.471,0.142	0.292	-0.172	-0.383,0.038	0.108
Observations	9,706			2,773			1,017			2,238		
R-squared	0.004			0.001			0.001			0.002		

<i>Male</i>												
	(13m)			(14m)			(15m)			(16m)		
	Group 0 Neuroticism			Group 5 Neuroticism			Group 6 Neuroticism			Group 7 Neuroticism		
VARIABLES	coeff	ci	pval	coeff	ci	pval	coeff	ci	pval	coeff	ci	pval
Non-Australian born	-0.169***	-0.221,-0.117	0.000	-0.254***	-0.350,-0.158	0.000	-0.269***	-0.399,-0.139	0.000	-0.126***	-0.218,-0.034	0.007
Age	-0.003***	-0.005,-0.001	0.000	-0.005**	-0.008,-0.001	0.017	-0.006**	-0.011,-0.001	0.030	-0.005***	-0.009,-0.001	0.008
Personality z-score	-0.033	-0.107,0.042	0.388	0.073	-0.126,0.272	0.474	0.190	-0.125,0.505	0.236	0.100	-0.099,0.299	0.325
Observations	9,703			2,772			1,017			2,239		
R-squared	0.008			0.016			0.019			0.006		

<i>Male</i>												
	(17m)			(18m)			(19m)			(20m)		
	Group 0 Openness			Group 5 Openness			Group 6 Openness			Group 7 Openness		
VARIABLES	coeff	ci	pval	coeff	ci	pval	coeff	ci	pval	coeff	ci	pval

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Non-Australian born	0.077***	0.022,0.132	0.006	0.034	-0.076,0.144	0.544	0.063	-0.068,0.194	0.344	0.052	-0.040,0.143	0.268
Age	0.006***	0.005,0.008	0.000	0.002	-0.002,0.006	0.365	0.012***	0.007,0.017	0.000	0.011***	0.007,0.015	0.000
Personality z-score	-0.234***	-0.313,-0.156	0.000	-0.023	-0.255,0.209	0.847	-0.415***	-0.710,-0.120	0.006	-0.511***	-0.715,-0.307	0.000
Observations	9,704			2,772			1,016			2,239		
R-squared	0.009			0.001			0.020			0.016		

Male

VARIABLES	(21m)			(22m)			(23m)			(24m)		
	Group 0 Locus of Control			Group 5 Locus of Control			Group 6 Locus of Control			Group 7 Locus of Control		
	coeff	ci	pval	coeff	ci	pval	coeff	ci	pval	coeff	ci	pval
Non-Australian born	0.087***	0.026,0.148	0.005	0.057	-0.055,0.169	0.315	0.037	-0.103,0.177	0.600	0.025	-0.082,0.132	0.652
Age	-0.002*	-0.003,0.000	0.079	-0.002	-0.007,0.002	0.274	-0.002	-0.008,0.004	0.510	-0.002	-0.006,0.003	0.493
Personality z-score	0.070	-0.015,0.155	0.105	0.105	-0.124,0.334	0.367	0.143	-0.189,0.475	0.398	0.086	-0.147,0.319	0.469
Observations	8,811			2,543			888			2,010		
R-squared	0.002			0.002			0.001			0.000		

Female

VARIABLES	(1f)			(2f)			(3f)			(4f)		
	Group 0 Agreeableness			Group 5 Agreeableness			Group 6 Agreeableness			Group 7 Agreeableness		
	coeff	ci	pval	coeff	ci	pval	coeff	ci	pval	coeff	ci	pval
Non-Australian born	0.226***	0.172,0.280	0.000	0.140***	0.054,0.226	0.001	0.293***	0.126,0.459	0.001	0.261***	0.101,0.420	0.001
Age	0.002	-0.000,0.004	0.109	-0.004*	-0.008,0.001	0.099	0.003	-0.006,0.012	0.506	-0.005	-0.014,0.004	0.285

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Personality z-score	-0.070*	-0.153,0.013	0.096	0.295***	0.105,0.484	0.002	-0.220	-0.631,0.190	0.292	0.044	-0.358,0.446	0.830
Observations	8,649			2,719			695			862		
R-squared	0.011			0.007			0.019			0.015		

Female

	(5f)			(6f)			(7f)			(8f)		
	Group 0 Conscientiousness			Group 5 Conscientiousness			Group 6 Conscientiousness			Group 7 Conscientiousness		
VARIABLES	coeff	ci	pval	coeff	ci	pval	coeff	ci	pval	coeff	ci	pval
Non-Australian born	0.118***	0.064,0.172	0.000	0.176***	0.086,0.266	0.000	0.177**	0.014,0.339	0.033	0.133*	-0.012,0.277	0.072
Age	0.002**	0.000,0.005	0.027	0.004	-0.001,0.008	0.111	0.002	-0.007,0.010	0.693	0.005	-0.004,0.013	0.270
Personality z-score	-0.036	-0.119,0.047	0.397	-0.168*	-0.367,0.030	0.097	-0.021	-0.429,0.387	0.920	0.005	-0.363,0.373	0.979
Observations	8,649			2,719			695			862		
R-squared	0.004			0.007			0.007			0.006		

Female

	(9f)			(10f)			(11f)			(12f)		
	Group 0 Extraversion			Group 5 Extraversion			Group 6 Extraversion			Group 7 Extraversion		
VARIABLES	coeff	ci	pval	coeff	ci	pval	coeff	ci	pval	coeff	ci	pval
Non-Australian born	-0.064**	-0.120,-0.009	0.022	-0.030	-0.117,0.057	0.500	0.050	-0.125,0.225	0.576	0.052	-0.106,0.210	0.520
Age	-0.005***	-0.007,-0.003	0.000	-0.004**	-0.008,-0.000	0.030	-0.005	-0.015,0.004	0.283	-0.005	-0.013,0.003	0.226
Personality z-score	0.332***	0.253,0.411	0.000	0.271***	0.104,0.437	0.001	0.374	-0.088,0.837	0.112	0.290	-0.075,0.656	0.120
Observations	8,649			2,719			695			862		

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R-squared	0.005			0.002			0.003			0.002		
Female												
	(13f)			(14f)			(15f)			(16f)		
	Group 0 Neuroticism			Group 5 Neuroticism			Group 6 Neuroticism			Group 7 Neuroticism		
VARIABLES	coeff	ci	pval	coeff	ci	pval	coeff	ci	pval	coeff	ci	pval
Non-Australian born	-0.210***	-0.264,-0.155	0.000	-0.190***	-0.278,-0.101	0.000	-0.288***	-0.450,-0.126	0.001	-0.196**	-0.361,-0.031	0.020
Age	-0.015***	-0.017,-0.013	0.000	-0.016***	-0.020,-0.012	0.000	-0.013***	-0.022,-0.004	0.005	-0.011***	-0.019,-0.003	0.008
Personality z-score	0.832***	0.756,0.908	0.000	0.886***	0.715,1.056	0.000	0.824***	0.399,1.248	0.000	0.605***	0.240,0.971	0.001
Observations	8,647			2,719			694			862		
R-squared	0.039			0.031			0.029			0.017		

Female												
	(17f)			(18f)			(19f)			(20f)		
	Group 0 Openness			Group 5 Openness			Group 6 Openness			Group 7 Openness		
VARIABLES	coeff	ci	pval	coeff	ci	pval	coeff	ci	pval	coeff	ci	pval
Non-Australian born	0.022	-0.035,0.080	0.446	0.043	-0.051,0.137	0.372	0.006	-0.162,0.173	0.949	0.102	-0.057,0.262	0.208
Age	0.011***	0.009,0.014	0.000	0.011***	0.007,0.015	0.000	0.021***	0.012,0.030	0.000	0.014***	0.006,0.022	0.001
Personality z-score	-0.515***	-0.606,-0.425	0.000	-0.587***	-0.780,-0.394	0.000	-0.875***	-1.317,-0.433	0.000	-0.619***	-1.000,-0.238	0.001
Observations	8,648			2,719			695			862		
R-squared	0.016			0.013			0.034			0.016		

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Female												
	(21f)			(22f)			(23f)			(24f)		
	Group 0 Locus of Control			Group 5 Locus of Control			Group 6 Locus of Control			Group 7 Locus of Control		
VARIABLES	coeff	ci	pval	coeff	ci	pval	coeff	ci	pval	coeff	ci	pval
Non-Australian born	0.111***	0.052,0.171	0.000	0.146***	0.050,0.243	0.003	-0.051	-0.226,0.125	0.572	-0.049	-0.223,0.126	0.584
Age	-0.001	-0.004,0.001	0.163	0.002	-0.002,0.006	0.309	-0.006	-0.015,0.002	0.158	0.007	-0.001,0.016	0.101
Personality z-score	0.014	-0.064,0.092	0.723	-0.187**	-0.363,-0.012	0.036	0.280	-0.149,0.709	0.200	-0.283	-0.660,0.094	0.141
Observations	8,073			2,549			631			800		
R-squared	0.002			0.005			0.003			0.004		

Note: Robust standard errors in parentheses. *** p<0.01, ** p<0.05, * p<0.1

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Figure 8.2: Graphical results

