Supporting Information

Supplementary results

This appendix was part of the submitted manuscript and has been peer reviewed.
It is posted as supplied by the authors.

Table 1. All applicants for 2019 (UMAT) and 2020 intakes (UCAT): multiple regression analyses

	Dependent variables											
	UMAT 1			UMAT 2			UMAT 3			UMAT total		
Independent variables	*B*	*t*	*P*	*B*	*t*	*P*	*B*	*t*	*P*	*B*	*t*	*P*
Age	−0.1	−8.8	< 0.001	0.0	0.1	0.96	−0.2	−13.9	< 0.001	−0.1	−9.0	< 0.001
Sex	0.3	16.3	< 0.001	−0.2	−9.5	< 0.001	0.2	10.1	< 0.001	0.1	7.0	< 0.001
IRSAD	0.1	8.3	< 0.001	0.1	7.5	< 0.001	0.1	6.4	< 0.001	0.2	9.5	< 0.001
Remoteness	−0.1	−6.4	< 0.001	−0.1	−3.6	< 0.001	−0.1	−8.1	< 0.001	0.1	−7.5	< 0.001

	Dependent variables																	
	UCAT VR			UCAT DM			UCAT QR			UCAT AR			UCAT SJT			UCAT total		
Independent variables	*B*	*t*	*P*	*B*	*t*	*P*	*B*	*t*	*P*	*B*	*t*	*P*	*B*	*t*	*P*	*B*	*t*	*P*
Age	−0.2	−9.5	< 0.001	−0.2	−16.1	< 0.001	−0.24	−16.1	< 0.001	−0.2	−16.1	< 0.001	−0.1	−6.3	< 0.001	−0.3	−19.1	< 0.001
Sex	0.1	6.3	< 0.001	0.1	6.7	< 0.001	0.22	14.9	< 0.001	0.1	9.1	< 0.001	−0.1	−3.5	0.001	0.2	12.3	< 0.001
IRSAD	0.1	7.9	< 0.001	0.1	9.0	< 0.001	0.11	7.2	< 0.001	0.1	5.1	< 0.001	0.1	8.0	< 0.001	0.1	9.4	< 0.001
Remoteness	−0.1	−3.3	< 0.001	−0.0	−2.5	0.011	−0.12	−7.6	< 0.001	−0.1	−5.6	< 0.001	−0.0	−2.0	0.045	−0.1	−6.4	< 0.001

Sex: Men=1, Women=0. Remoteness: Rural=1, Non–rural=0. IRSAD = Index of Socioeconomic Advantage and Disadvantage Decile. UMAT 1, 2 and 3 = Undergraduate Medical and Health Sciences Admissions Test Problem Solving, Understanding People, and Non–verbal Reasoning respectively. UCAT = University Clinical Aptitude Test, VR = Verbal Reasoning, DM = Decision Making, QR = Quantitative Reasoning, AR = Abstract Reasoning, SJT = Situational Judgment Test. UCAT Total does not include SJT scores.

Table 2. Interviewees for 2019 (UMAT) and 2020 intakes (UCAT): multiple regression analyses

Independent variables	Dependent variables											
	UMAT 1			UMAT 2			UMAT 3			UMAT total		
	B	t	P	B	t	P	B	t	P	B	t	P
Age	−0.1	−3.7	< 0.001	0.0	0.7	0.467	−0.2	−7.7	< 0.001	−0.1	−5.0	< 0.001
Sex	0.3	13.2	< 0.001	−0.2	−9.3	< 0.001	0.1	6.5	< 0.001	0.1	5.0	< 0.001
IRSAD	0.1	2.4	0.015	0.1	1.98	0.048	0.0	1.2	0.22	0.1	3.3	0.001
Remoteness	−0.1	−2.8	0.006	−0.0	−1.0	0.33	−0.1	−4.3	< 0.001	−0.1	−3.6	< 0.001
ATAR	0.3	13.0	< 0.001	0.2	8.2	< 0.001	0.3	12.6	< 0.001	0.4	16.3	< 0.001

Independent variables	Dependent variables																	
	UCAT VR			UCAT DM			UCAT QR			UCAT AR			UCAT SJT			UCAT total		
	B	t	P	B	t	P	B	t	P	B	t	P	B	t	P	B	t	P
Age	−0.0	−0.6	0.55	−0.1	−3.4	0.001	−0.2	−6.3	< 0.001	−0.2	−4.8	< 0.001	0.1	1.6	0.11	−0.2	−5.5	< 0.001
Sex	0.1	2.2	0.025	0.1	3.2	0.001	0.2	8.5	< 0.001	0.1	3.4	0.001	−0.1	−4.0	< 0.001	0.2	6.2	< 0.001
IRSAD	0.1	2.4	0.019	0.1	3.3	0.001	0.0	1.0	0.34	0.1	1.8	0.07	0.1	1.6	0.10	0.1	3.0	0.003
Remoteness	−0.1	−1.9	0.05	−0.1	−1.9	0.06	−0.2	−5.4	< 0.001	−0.1	−2.9	0.004	−0.0	−1.0	0.34	−0.1	−4.3	< 0.001
ATAR	0.3	7.9	< 0.001	0.3	10.8	< 0.001	0.3	12.0	< 0.001	0.3	8.0	< 0.001	0.3	9.6	< 0.001	0.4	13.7	< 0.001

Sex: Men=1, Women=0. Remoteness: Rural=1, Non–rural=0. UMAT 1, 2 and 3 = Undergraduate Medical and Health Sciences Admissions Test Problem Solving, Understanding People, and Non–verbal Reasoning respectively. UCAT = University Clinical Aptitude Test, VR = Verbal Reasoning, DM = Decision Making, QR = Quantitative Reasoning, AR = Abstract Reasoning, SJT = Situational Judgment Test. UCAT Total does not include SJT scores. IRSAD = Index of Relative Socioeconomic Advantage and Disadvantage Deciles. ATAR = Australian Tertiary Admissions Rank.

Table 3. Interviewees who completed coaching survey for 2019 (UMAT) and 2020 intakes (UCAT): multiple regression analyses

	Dependent variables											
	UMAT 1			UMAT 2			UMAT 3			UMAT total		
Independent variables	*B*	*t*	*P*	*B*	*t*	*P*	*B*	*t*	*P*	*B*	*t*	*P*
Age	−0.0	−1.1	0.25	0.1	2.8	0.005	−0.1	−2.9	0.004	−0.0	−0.8	0.42
Sex	0.3	8.5	< 0.001	−0.3	−5.8	< 0.001	0.1	3.4	0.001	0.1	3.5	0.001
ATAR	0.2	5.8	< 0.001	0.1	1.8	0.07	0.2	5.5	< 0.001	0.3	6.8	< 0.001
Coaching	−0.1	−1.6	0.12	0.1	2.2	0.029	0.1	2.0	0.043	0.1	1.4	0.17

	Dependent variables																	
	UCAT VR			UCAT DM			UCAT QR			UCAT AR			UCAT SJT			UCAT total		
Independent variables	*B*	*t*	*P*	*B*	*t*	*P*	*B*	*t*	*P*	*B*	*t*	*P*	*B*	*t*	*P*	*B*	*t*	*P*
Age	−0.0	−0.2	0.87	−0.1	−2.8	0.006	−0.2	−4.1	< 0.001	−0.2	−3.4	< 0.001	0.1	1.5	0.14	−0.2	−4.7	< 0.001
Sex	0.1	1.4	0.18	0.0	0.9	0.38	0.2	4.1	< 0.001	0.1	2.7	0.007	−0.1	−1.9	0.06	0.2	3.8	< 0.001
ATAR	0.2	3.5	< 0.001	0.4	7.6	< 0.001	0.4	7.7	< 0.001	0.3	4.9	< 0.001	0.2	4.1	< 0.001	0.4	9.4	< 0.001
Coaching	−0.1	−1.0	0.32	−0.1	−1.6	0.11	0.0	0.5	0.62	0.1	1.4	0.15	0.1	1.8	0.07	−0.0	−0.0	0.96

Sex: Men=1, Women=0. Remoteness: Rural=1, Non–rural=0. Coaching: Yes=1, No=0. UMAT 1, 2 and 3 = Undergraduate Medical and Health Sciences Admissions Test Problem Solving, Understanding People, and Non–verbal Reasoning respectively. UCAT = University Clinical Aptitude Test, VR = Verbal Reasoning, DM = Decision Making, QR = Quantitative Reasoning, AR = Abstract Reasoning, SJT = Situational Judgment Test. UCAT Total does not include SJT scores. ATAR = Australian Tertiary Admissions Rank.