



UK Medical Applicant Cohort Study

UK Medical Applicant Cohort Study: Questionnaire 1

Welcome to the UK Medical Applicant Cohort Study (UKMACS)

The UK Medical Applicant Cohort Study (UKMACS) is an academic research study about applying to medical school. In brief, we are inviting you to complete two questionnaires (one now, one in October) about applying to medical school. This questionnaire takes about 20 minutes to fill in. Everyone who completes both questionnaires will be entered into a prize draw to win an Amazon voucher.

The study findings will be used to help future students apply to medical school, and ultimately to ensure the NHS benefits from having the best doctors.

This study is NOT part of any medical school application process.

The information you give us will NOT be used to make any decisions about you that will affect your education or career.

Your information will ONLY be used for academic research.

For more information, please click [here](#) to download the study Information Sheet. Please read it and talk about it with others if you want.

Contact study lead Dr Katherine Woolf and the UKMACS research team on medsch.choice@ucl.ac.uk if you have any questions.

The study is led by Dr Katherine Woolf at University College London (UCL), and funded by the National Institute for Health Research (NIHR) Career Development Fellowship (Grant

Reference Number CDF-2017-10-008). The views expressed are those of the authors and not necessarily those of the NIHR or the Department of Health and Social Care. The NIHR is the research arm of the National Health Service (NHS).

Eligibility to take part in this study

This study is for people aged 16 or over, resident in the UK or Crown Dependencies, who are considering applying this year to study medicine in the UK.

1. Please select "Yes" to indicate you are aged 16 or older, resident in the UK (or Channel Islands/Isle of Man), and considering applying this year to study medicine in the UK. If you select "No" you cannot take part in this study. 📄 Required

Yes

No

Consent to take part in this study

Please answer these consent questions to confirm that you understand what the study is about, and agree to take part in it.

2. Please select "I consent" to each statement to show you understand and agree to taking part in the study. If you select "I do NOT consent" you may not be able to take part in the study.

	I consent	I do NOT consent
I understand my personal information will be kept private by the research team on password-protected computers or encrypted files at UCL, and will not be passed on to any commercial organisations. ['Personal information' means: name, contact details, UCAT or other test registration ID number, questionnaire answers.]	<input checked="" type="radio"/>	<input type="radio"/>
I agree my questionnaire answers can be linked with other personal information about me and used only for academic research, as explained in the Information Sheet.	<input checked="" type="radio"/>	<input type="radio"/>
I understand that taking part in this study is voluntary, and I can withdraw by contacting the research team within 1 month of submitting my questionnaire.	<input checked="" type="radio"/>	<input type="radio"/>
I understand the benefits of taking part in the study. I understand that I will not benefit financially from taking part, aside from entering the prize draw.	<input checked="" type="radio"/>	<input type="radio"/>
I understand the potential risks of taking part in the study and the support I can get if needed, including who to contact with questions or to make a complaint (see Information Sheet).	<input checked="" type="radio"/>	<input type="radio"/>

Contacting you

3. Are you happy to be invited to take part in further research?
contact details to commercial organisations.

We will never pass on your

- YES, I am happy to be contacted for future
- NO, do not contact

4. Would you like to be entered into the prize draw?

More information on the prize draw

[here](#).

- YES, enter me for the prize draw and contact me
- NO, do not enter me into the prize

Please check that your contact details are correct, so we can let you know if you win the prize draw, and/or to invite you to take part in other research (if you agree). We will never pass on your details to commercial organisations.

5. Please check your contact email address is correct. If it is incorrect or if this box is empty, please type in your correct email address:

6. Please type in your mobile (cell) phone number:

Your identification details

Please complete this section to enable the research team to use your survey responses as described in the Information Sheet. Remember, your information is kept confidential and stored securely.

Please check that your FULL NAME [first name(s) and surname] is in the boxes below. If it is incorrect or there is no name, please type in your FULL NAME.

7. First Required

8. Surname: Required

9. Please check your UCAT ID. If it is incorrect, please type in the correct ID number. If you have not registered with UCAT, please type 'none' in the box.

10. Please type your **date of birth** using the format DD(day)MM(month)YYYY(year).

Required



(dd/mm/yyyy)

Your identity

11. Which of the following best describes the gender you identify as?

 Required

11.a. If you selected Other, please specify:

12. Which of the following best describes your ethnic group?

These categories are from the UK

Census 2011.

Choosing to study medicine and become a doctor.

13. The following list shows a number of reasons why a person might wish to become a doctor. Indicate for each one, how important it is to you:

	Not at all important	Not very important	Neither important or unimportant	Quite important	Very important
Desire to work in a challenging role under pressure	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Being helpful to others and useful to society	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Wanting an economically secure occupation	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Wishing to express own values and interests	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Opportunities to travel	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Your thoughts about a future medical career

14. Even if you have not decided on a medical career, please rate how much each of the following specialities appeals to you.

Anaesthetics	Plaseselect ▼
Emergency medicine	Plaseselect ▼
General Practice	Plaseselect ▼
Internal medicine (e.g. Cardiology, Neurology, etc.)	Plaseselect ▼
Laboratory medicine (e.g. microbiology, pathology)	Plaseselect ▼
Medical administration	Plaseselect ▼
Obstetrics / Gynaecology	Plaseselect ▼
Paediatrics and Child Health	Plaseselect ▼
Psychiatry and Mental Health	Plaseselect ▼
Public health/Community Medicine	Plaseselect ▼
Radiology/Radiotherapy	Plaseselect ▼
Research	Plaseselect ▼
Surgery (incl. Ophthalmology)	Plaseselect ▼

15. Here is a list of places that people can work as a doctor. Please indicate how appealing or unappealing you find each one.

	Very appealing	Quite appealing	Neutral	Quite UNappealing	Very UNappealing
Where I live or grew up	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
In a city	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
In the countryside	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Outside of the UK	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

In an NHS practice	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
In a private practice	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
In a deprived area	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
In an affluent area	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
In the armed forces	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Applying to study medicine

16. Approximately how many people do you know who are considering applying to medical school this year? If you do not know anyone else applying to medical school please select 0.

17. Approximately how many people do you know who are working or training as doctors or medical students? If you do not know anyone working or training as a doctor or medical student please select 0.

18. Please tell us about all the courses or activities you have done that are relevant to applying to medicine (e.g. access to university programmes, widening participation/outreach programmes, summer schools, taster days, or work experience).

Please provide the name of the institution or organisation providing the activity. If you have not taken part

in any such activities, please type 'none'.

19. How much do you agree or disagree with the following statements?

	Strongly Disagree	Disagree	Neither agree nor disagree	Agree	Strongly Agree
It does not matter which medical school I go to, so long as I get in.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

People like me don't go to medical school.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I find it difficult to choose between medical schools.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I need more help and advice in choosing medical schools.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I have access to all the information I require about medical schools.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Most of my friends are planning to go to university.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Awareness of medical schools: A to C

There are over 40 UK universities offering medical degree courses. They are listed below.

We know this is a long list, but we would be very grateful if you could indicate for each medical school:

- Whether you are **aware it is possible** to study medicine there.
- If so, whether you are **considering applying** to study medicine there.

20.

	Not aware of	Aware of but not considering	Considering
Aberdeen	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Anglia Ruskin	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Aston	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Barts and the London (Queen Mary, University of London)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Birmingham	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Bradford	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Brighton & Sussex	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Bristol	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Buckingham	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Cambridge	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Cardiff	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Awareness of medical schools: D to L

21. We would be grateful if you could indicate for each medical school whether you are **aware it is possible** to study medicine there, and if so, whether you are **considering applying** to study medicine there.

	Not aware of	Aware of but not considering	Considering
Dundee	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Edge Hill	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Edinburgh	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Exeter	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Glasgow	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Hull York	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Imperial	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Keele	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Kent and Medway (Canterbury Christ Church University)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
King's College London	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Lancaster	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Leeds	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Awareness of medical schools: L to Q

22. We would be grateful if you could indicate for each medical school whether you are **aware it is possible** to study medicine there, and if so, whether you are **considering applying** to study medicine there.

	Not aware of	Aware but not considering	Considering
Leicester	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Liverpool	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Manchester	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Newcastle	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Norwich (University of East Anglia)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Nottingham	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Nottingham Lincoln	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Oxford	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Plymouth	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Queen's, Belfast	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Awareness of medical schools: S to W

23. We would be grateful if you could indicate for each medical school whether you are **aware it is possible** to study medicine there, and if so, whether you are **considering applying** to study medicine there.

	Not aware of	Aware of but not considering	Considering
Sheffield	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Southampton	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
St Andrews	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
St George's	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Sunderland	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Swansea	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
University College London (UCL)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
University of Central Lancashire (UCLan)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Warwick	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Awareness of different medical degree types

The UK's medical schools offer four main types of medical degree course:

- Nearly all medical schools offer **Standard Entry** medical degree courses.
- Many medical schools offer **Graduate Entry** courses, for applicants with a university degree.
- Some medical schools offer courses with a **Preliminary or Foundation Year**, with an extra year for applicants with high grades who did not take the required science subjects.
- Some medical schools offer **Gateway** courses, with an extra year for applicants from groups who are under-represented in medicine.

24. Before filling in this questionnaire, ~~Graduate~~ **Graduate Entry** medical courses (for applicants with a university

24.a. Are you considering applying for a **Graduate Entry** course (for applicants with university degree)?

25. Before filling in this questionnaire, were you aware of medical degree courses with a **Preliminary or Foundation Year** (with an extra year for applicants with high grades who did not take the required science

25.a. Are you considering applying to a medical degree course with a **Preliminary or Foundation Year** (with an extra year for applicants with high grades who did not take the required science subjects)?

26. Before filling in this questionnaire, were you aware of **Gateway** medical degree courses (with an extra year for applicants from groups that are under-represented in medicine)?

26.a. Are you considering applying for a **Gateway** course (with an extra year for applicants from groups who are under-represented in medicine)?

What are you looking for in a medical school?

27. People vary in what they are looking for in a medical school. Please choose UP TO FOUR reasons that might **attract** you to apply for a medical school. The reasons you select can relate to different schools and may be about the admissions process, the medical school location, reputation, or teaching, the university life offered, personal reasons, or something else. If you have more

than four reasons, please select the most important four.

Please select no more than 4 answer(s).

- Admissions: I meet/am likely to meet the grade requirements
- Admissions: Right interview type for me (e.g. MMI, panel, group)
- Admissions: I have been guaranteed an interview
- Admissions: Takes student background into account in admissions
- Admissions: Uses BMAT
- Admissions: Uses UCAT
- Location: Close to home
- Location: Far from home
- Location: Like the local area
- Location: Affordable cost of living
- Personal: Recommended to go there
- Personal: Took part in widening participation/outreach activities there
- Reputation: High position in league tables
- Teaching: Has extra Gateway/Foundation Year
- Teaching: Right balance between science and patient contact
- Teaching: Right teaching style for me (e.g. PBL, tutorial)
- Teaching: Offers full body dissection
- Uni life: Ethnically and culturally diverse
- Uni life: Feel I would fit in
- Uni life: Good extra-curricular activities
- Uni life: Good night life
- Uni life: Good student satisfaction
- Uni life: Good student support
- Uni life: Liked it when I visited
- Uni life: Liked the prospectus/website

Uncertain

Other

27.a.

If you selected Other, please

What would put you off a medical school?

28. Please select UP TO FOUR reasons that would make a medical school UNATTRACTIVE to you (put you off applying to a school). The reasons you select can relate to different schools, and may be about the admissions process, the medical school location, reputation, or teaching, the university life offered, personal reasons, or something else. If you have more than four

reasons, please select the most important four.

Please select no more than 4 answer(s).

- Admissions: I do not meet/am unlikely to meet the grade requirements
- Admissions: Wrong interview type for me (e.g. MMI, panel, group)
- Admissions: Does not take student background into account in admissions
- Admissions: Uses BMAT
- Admissions: Uses UCAT
- Location: Too close to home
- Location: Too far from home
- Location: Do not like the local area
- Location: Too expensive to live there
- Reputation: Too low in league tables
- Teaching: Wrong balance between science and patient contact
- Teaching: Wrong teaching style for me (e.g. PBL, tutorial)
- Teaching: Does not offer full body dissection
- Uni life: Not ethnically and culturally diverse enough
- Uni life: Think I would find it hard to fit in
- Uni life: Poor extra-curricular activities
- Uni life: Poor night life
- Uni life: Poor student satisfaction
- Uni life: Poor student support
- Uni life: Did not like it when I visited
- Uni life: Did not like the prospectus/website
- Uncertain
- Other

28.a. If you selected Other, please specify:

If you could get in to any medical school

29. If you knew you could get into any medical school in the UK, which one would you choose?

29.a. What is your main reason for choosing that medical school? (please select one)

29.a.i. If you selected Other, please specify:

Information and advice on choosing a medical school

People differ in how much information they look for before choosing a medical school. Some decide quickly, others want as much information as possible before deciding.

30. Below is a list of sources of information and advice that you might use to help you choose a medical school. For each source, please indicate whether you have used it or are planning to use it. If you are uncertain how to access a source, or know that you cannot access it, please select 'unavailable'.

	Unavailable	Have used	Planning to use	Not planning to use
Teacher(s) at my school/college.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Careers advisor(s) at my school/college.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Visitor(s) to my school/college (e.g. from a university).	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
People I know who are applying, or who recently applied.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Medical student(s) I know.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Non-medical university student(s) I know.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Online information or advice from current medical student(s).	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
My parent(s) or carer(s).	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
My sibling(s).	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Family who are healthcare workers (e.g. doctors, nurses).	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other doctor(s) I know.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Advice from medical school admissions staff.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Conference or event about medicine.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Involvement with medical school outreach programme (e.g. attended summer school).	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
University or Medical School social media account (Instagram, Facebook, twitter etc).	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
University ranking/league table(s) (e.g. Times Higher Education Rankings).	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
University comparison website(s) (e.g. Unifrog, Unistats, Medic Portal).	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
University/medical school website and/or prospectus.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Visit to the medical school.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Work experience or voluntary work.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Alternative plans

31. If you apply but are not accepted for medical school this year, how likely are you to do each of the following?

	Definitely no	Probably no	Probably yes	Definitely yes
Apply to medical school in the UK again next year	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Apply to medical school outside the UK	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Apply to study dentistry	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Apply to study another healthcare course	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Apply to university to study a different science	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Apply to university to study a nonscience subject	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Go travelling	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Find a job	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Funding a medical degree

This section includes two questions about funding a medical degree. If you do not feel comfortable answering a question, please select "Rather not say".

32. Please rate how concerned are you that the following financial factors will be a problem for you if you go to medical school:

	Very concerned	Fairly concerned	Slightly concerned	Not concerned	Rather not say
Cost of tuition fees	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Living costs such as rent, food travel etc.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Having to borrow money or getting into debt	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Having to rely on family for money	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

33. How do you plan to fund your medical degree? Tick all that apply

- Working during holidays
- Working during study
- Sponsorship/bursary from current/prospective employer
- University or Medical School access funds/bursary/hardship funds
- Local funding (e.g. from Scotland, Wales)
- Student
- Non-repayable contributions from parents/family/other
- Repayable loan from others
- Other forms of borrowing
- Personal savings/inheritance
- Rather not say
- Other

33.a. If you selected Other, please specify:

Your education

Please type in the full name and first part of the postcode of the school or college you are currently attending. If you are not at school or college, please type in the details of your last school/college.

36. Name of (e.g. St Mary's C of E School, Kilburn):

36.a. First part of postcode of school/college (e.g. NW6):

Your qualifications: GCSEs

37. Have you taken GCSEs (if you have taken GCSEs, please select "no")?

Yes

No

38. Which grade did you get in GCSE Mathematics or equivalent? If you did not take GCSE Mathematics, please select n/a.

38.a. If you selected Other, please

39. Which grade did you get in GCSE English Language or equivalent? If you did not take GCSE English Language, please select n/a.

39.a. If you selected Other, please

40. How many GCSEs do you have at the following grades?

Grade 9

Grade 8	<input type="checkbox"/>
Grade 7	<input type="checkbox"/>
Grade 6	<input type="checkbox"/>
Grade 5	<input type="checkbox"/>
Grade 4	<input type="checkbox"/>
Grade 3	<input type="checkbox"/>
Grade 2	<input type="checkbox"/>
Grade 1	<input type="checkbox"/>
Grade A*	<input type="checkbox"/>
Grade A	<input type="checkbox"/>
Grade B	<input type="checkbox"/>
Grade C	<input type="checkbox"/>
Grade D	<input type="checkbox"/>
Grade E	<input type="checkbox"/>

Your qualifications: University degree

41. Do you have or are you currently studying for a university degree?

- Yes
 No

41.a. If yes, please type in the degree type (e.g. BSc, MA), subject (e.g. Biomedical Science), institution (e.g. University of Portsmouth) and degree class (e.g. 2.1, pass). If you have more than one university degree, please provide details of each one.

Your parent/carers occupations

This section has three questions about your parents' or carers' occupation(s). Your answers will help us understand whether family background affects medical school choices.

Please select the option(s) that best describes the occupation(s) of your parent(s)/carer(s).

If your parent(s)/carer(s) are not now working please choose what they were employed as.

If you are no longer living with your parent(s) or carer(s), or are unsure what their occupation is, please still answer these questions as best you can.

42. Occupation of Parent/Carer 1:

42.a. If you selected Other, please

43. Occupation of Parent/Carer 2:

43.a. If you selected Other, please

44. Is one or more of your parent(s)/carer(s) a medical doctor?

Additional comments

45. What do you think is the most challenging aspect of applying to medical school?

46. What do you think is the most rewarding aspect of applying to medical school?

47. Please use this space for any additional comments you wish to make about the questionnaire:

Thank you for completing this questionnaire.

If you wish to go back and review your answers then please do so now.

When you click on the finish button below, your responses will be submitted to the UKMACS research team.

Thank You

Thank you for completing the UKMACS questionnaire. Your responses will be used to help future students apply to medical school and ultimately to ensure the NHS benefits from having the best doctors.

You can tell other medical applicants about UKMACS by sharing this link to the website, where more information on the study can also be found:

<https://ukmacs.wordpress.com/>

If you have any questions about the study or this questionnaire, please contact the UKMACS Research Team medsch.choice@ucl.ac.uk

Key for selection options

11 - Which of the following best describes the gender you identify as?

- Male
- Female
- Prefer not to answer
- Other

12 - Which of the following best describes your ethnic group? These categories are from the UK Census 2011.

- White - British
- White - Irish
- White - Gypsy or Irish Traveller
- White - Other
- Mixed/Multiple ethnic groups - White and Black African
- Mixed/Multiple ethnic groups - White and Black Caribbean
- Mixed/Multiple ethnic groups - White and Asian
- Mixed/Multiple ethnic groups - Other
- Asian/Asian British - Bangladeshi
- Asian/Asian British - Indian
- Asian/Asian British - Pakistani
- Asian/Asian British - Chinese
- Asian/Asian British - Other
- Black/Black British - African
- Black/Black British - Caribbean
- Black/Black British - Other
- Arab
- Any other ethnic group
- Prefer not to say

14.1.a -

Very UNappealing
Moderately UNappealing
Moderately appealing
Very appealing
Uncertain

14.2.a -

Very UNappealing
Moderately UNappealing
Moderately appealing
Very appealing
Uncertain

14.3.a -

Very UNappealing
Moderately UNappealing
Moderately appealing
Very appealing
Uncertain

14.4.a -

Very UNappealing
Moderately UNappealing
Moderately appealing
Very appealing
Uncertain

14.5.a -

Very UNappealing
Moderately UNappealing
Moderately appealing
Very appealing
Uncertain

14.6.a -

Very UNappealing
Moderately UNappealing
Moderately appealing
Very appealing

Uncertain

14.7.a -

Very UNappealing
Moderately UNappealing
Moderately appealing
Very appealing
Uncertain

14.8.a -

Very UNappealing
Moderately UNappealing
Moderately appealing
Very appealing
Uncertain

14.9.a -

Very UNappealing
Moderately UNappealing
Moderately appealing
Very appealing
Uncertain

14.10.a -

Very UNappealing
Moderately UNappealing
Moderately appealing
Very appealing
Uncertain

14.11.a -

Very UNappealing
Moderately UNappealing
Moderately appealing
Very appealing
Uncertain

14.12.a -

Very UNappealing
Moderately UNappealing
Moderately appealing

Very appealing
Uncertain

14.13.a -

Very UNappealing 2 46
6 48
11 48

Moderately UNappealing
Moderately appealing
Very appealing
Uncertain

16 - Approximately how many people do you know who are considering applying to medical school this year? If you do not know anyone else applying to medical school please select 0.

0
1
20+

17 - Approximately how many people do you know who are working or training as doctors or medical students? If you do not know anyone working or training as a doctor or medical student please select 0.

0
1
2-5
6-10
11-20
20+

24 - Before filling in this questionnaire, were you aware of Graduate Entry medical degree courses (for applicants with a university degree)?

Yes
No
Uncertain

25 - Before filling in this questionnaire, were you aware of medical degree courses with a Preliminary or Foundation Year (with an extra year for applicants with high grades who did not take the required science subjects)?

Yes
No

Uncertain

26 - Before filling in this questionnaire, were you aware of Gateway medical degree courses (with an extra year for applicants from groups that are under-represented in medicine)?

Yes

No

Uncertain

29 - If you knew you could get into any medical school in the UK, which one would you choose?

Aberdeen

Anglia Ruskin

Aston

Barts and the London School of Medicine (Queen Mary University of London)

Birmingham

Bradford

Brighton & Sussex

Bristol

Buckingham

Cambridge

Cardiff

Dundee

Edge Hill

Edinburgh

Exeter

Glasgow

Hull York

Imperial College London

Keele

Kent and Medway (Canterbury Christ Church University)

King's College London

Lancaster

Leeds

Leicester

Liverpool

Manchester

Newcastle

Norwich (University of East Anglia)

Nottingham

Nottingham Lincoln

Oxford
Plymouth Peninsula
Queen's University, Belfast
ScotGEM (Dundee and St Andrews graduate entry course)
Sheffield
Southampton
St Andrews
St George's
Swansea
Sunderland
University College London
University of Central Lancashire
Warwick
Don't know

38 - Which grade did you get in GCSE Mathematics or equivalent? If you did not take GCSE Mathematics, please select n/a.

N/A
9
8
7
6
5
4
3
2
1
A*
A
B
C
D
E
Other

39 - Which grade did you get in GCSE English Language or equivalent? If you did not take GCSE English Language, please select n/a.

N/A
9
8
7

6
5
4
3
2
1
A*
A
B
C
D
E
Other

42 - Occupation of Parent/Carer 1:

Modern Professional (e.g. teacher, nurse, social worker, artist, police officer (sergeant or above))
Clerical & intermediate (e.g. secretary, call centre agent, nursing auxiliary, nursery nurse)
Senior managers or administrators (e.g. finance manager, chief executive)
Technical & craft (e.g. motor mechanic, plumber, printer, tool maker, gardener, train driver, fitter)
Semi-routine manual & service (e.g. postal / farm worker, security guard, catering/sales assistant)
Routine manual & service (e.g. HGV driver, cleaner, porter, sewing machinist, bar staff, labourer)
Middle or junior managers (e.g. office / retail / bank / restaurant / warehouse manager, publican)
Traditional professional (e.g. accountant, solicitor, medical practitioner, scientist, civil servant)
Never worked
Do not know
Information withheld
Other

43 - Occupation of Parent/Carer 2:

Modern Professional (e.g. teacher, nurse, social worker, artist, police officer (sergeant or above))
Clerical & intermediate (e.g. secretary, call centre agent, nursing auxiliary, nursery nurse)
Senior managers or administrators (e.g. finance manager, chief executive)

Technical & craft (e.g. motor mechanic, plumber, printer, tool maker, gardener, train driver, fitter)
Semi-routine manual & service (e.g. postal / farm worker, security guard, catering/sales assistant)
Routine manual & service (e.g. HGV driver, cleaner, porter, sewing machinist, bar staff, labourer)
Middle or junior managers (e.g. office / retail / bank / restaurant / warehouse manager, publican)
Traditional professional (e.g. accountant, solicitor, medical practitioner, scientist, civil servant)
Never worked
Do not know
Information withheld
Not applicable
Other

44 - Is one or more of your parent(s)/carer(s) a medical doctor?

Yes, one is a medical doctor
Yes, both are medical doctors
No
Rather not say

Appendix S2: Coding framework

One author (KW) read through all the responses and created an initial coding framework. To increase the reliability of coding, KW created a 'look-up table' containing a list of codes for experiences run by organisations, including commercial organisations, universities and medical schools, hospitals, and other organisations.

The coders met to discuss and refine the codes. Then each coder was given data from 30 respondents to code with KW double-coding 10% of each coder's data. They were also asked to add to the look-up table.

The coders met again to discuss and resolve discrepancies in coding, and to further refine the coding framework. The look-up table was also refined to include common experiences. These were pre-coded to facilitate rapid and consistent coding between coders. A coding FAQ was also created to improve consistency.

Each coder was then given 100 cases each to code (including their original 30, which they recoded as necessary) and KW again double-coded 10% of each coder's allocated data. At a mid-point meeting, any discrepancies were discussed and resolved. Each coder was then given a final 200 cases to code, using the final look-up sheet and coding FAQs.

Table S1: Missing data for all variables. All variables included in the imputation model.

<i>Variables</i>	<i>N</i>	<i>Missing</i>
Socio-demographics:		
Gender	4012	19
Ethnicity	4002	29
Index of multiple deprivation decile	3647	384
At least one parent/carer in highest socioeconomic group	3873	158
At least one doctor parent/carer	3965	66
Education:		
School type	3914	117
GCSE points	3716	315
Application experiences:		
Number of application experiences	4026	5
GP experience	4026	5
Hospital experience	4026	5
Specialty appeal:		
Anaesthetics	4002	29
Emergency Medicine	4003	28
General Practice	3958	73
Internal Medicine	3994	37
Laboratory Medicine	3994	37
Medical administration	3975	56
Obstetrics and Gynaecology	3988	43
Paediatrics	3988	43
Psychiatry	3977	54
Public Health	3985	46
Radiology	3985	46
Research	3993	38
Surgery	4009	22
Social capital:		
Number of medical applicants known	4014	17
Number of medical students/doctors known	4013	18
Most of my friends are going to university	4028	3
Motivation for being a doctor:		
Desire to work in a challenging role under pressure	4028	3
Being helpful to others and useful to society	4028	3
Wanting an economically secure occupation	4028	3
Wishing to express own values and interests	4027	4
Opportunities to travel	4027	4
Future practice location:		
Wanting to practice close to where they live or grew up	4028	3
Wanting to practice in an urban location	4025	6
Wanting to practice in rural location	4012	19
Wanting to practice overseas	4020	11

Wanting to practice in the NHS	4025	6
Wanting to practice privately	4030	1
Wanting to practice in a deprived area	4029	2
Wanting to practice in an affluent area	4025	6
Wanting to practice in the armed forces	4028	3
Personality traits:		
Agreeable	4025	6
Conscientious	4025	6
Extraverted	4024	7
Neurotic	4023	8
Open	4024	7

Table S2: Descriptive statistics. Numbers and percentages given for categorical variables; numbers, means, standard deviations and medians given for continuous or ordinal variables.

	<i>N</i>	<i>% of category</i>	<i>Mean</i>	<i>Standard deviation</i>	<i>Median</i>
Socio-demographic factors:					
Female (vs male)	1137	71.3	na	na	na
Asian	1371	34.3	na	na	na
Black	408	10.2	na	na	na
Mixed	190	4.7	na	na	na
Other	174	4.3	na	na	na
White	1859	46.5	na	na	na
Index of multiple deprivation decile 1	313	8.6	na	na	na
Index of multiple deprivation decile 2	343	9.4	na	na	na
Index of multiple deprivation decile 3	356	9.8	na	na	na
Index of multiple deprivation decile 4	330	9.0	na	na	na
Index of multiple deprivation decile 5	324	8.9	na	na	na
Index of multiple deprivation decile 6	314	8.6	na	na	na
Index of multiple deprivation decile 7	354	9.7	na	na	na
Index of multiple deprivation decile 8	365	10.0	na	na	na
Index of multiple deprivation decile 9	420	11.5	na	na	na
Index of multiple deprivation decile 10	528	14.5	na	na	na
At least one parent/carer in highest socioeconomic group (vs none)	3873	68.04	na	na	na
At least one doctor parent/carer (vs none)	3965	11.02	na	na	na
Education:					
State school	2638	67.40	na	na	na
Private school	641	16.38	na	na	na
Grammar school	635	16.22	na	na	na
GCSE points	3716	na	77.53	15.72	78.5
Application experiences:					
All application experiences	4026	100	3	2.08	3
Specialty appeal (1=very unappealing, 5=very appealing):					
Anaesthetics	4002	na	3.24	1.19	4.00
Emergency Medicine	4003	na	3.89	1.22	4.00
General Practice	3958	na	3.27	1.45	4.00
Internal Medicine	3994	na	4.32	0.92	5.00
Laboratory Medicine	3994	na	2.73	1.42	2.00
Medical administration	3975	na	1.97	1.12	2.00
Obstetrics and Gynaecology	3988	na	3.05	1.39	3.00
Paediatrics	3988	na	3.93	1.25	4.00
Psychiatry	3977	na	3.31	1.37	4.00
Public Health	3985	na	2.99	1.27	3.00
Radiology	3985	na	2.8	1.29	3.00
Research	3993	na	3.06	1.45	3.00
Surgery	4009	na	4.16	1.19	5.00

Social capital:					
Number of medical applicants known (0,1,2-5, 6-10, 11-20, 20+)	4014	na	na	na	6 to 10
Number of medical students/doctors known (0,1,2-5, 6-10, 11-20, 20+)	4013	na	na	na	2 to 5
Most of my friends are going to university (1=strongly disagree; 5=strongly agree)	4028	na	4.30	0.952	5
Motivation for being a doctor (1=strongly disagree, 5=strongly agree):					
Desire to work in a challenging role under pressure	4028	na	3.84	0.878	4.00
Being helpful to others and useful to society	4028	na	4.85	0.481	5.00
Wanting an economically secure occupation	4028	na	3.79	0.944	4.00
Wishing to express own values and interests	4027	na	4.07	0.920	4.00
Opportunities to travel	4027	na	3.22	1.101	3.00
Future practice location (1=very unappealing, 5=very appealing):					
Wanting to practice close to where they live or grew up	4028	na	3.53	1.192	4.00
Wanting to practice in an urban location	4025	na	4.31	0.802	4.00
Wanting to practice in rural location	4012	na	2.97	1.150	3.00
Wanting to practice overseas	4020	na	3.43	1.166	4.00
Wanting to practice in the NHS	4025	na	4.14	0.856	4.00
Wanting to practice privately	4030	na	3.64	1.116	4.00
Wanting to practice in a deprived area	4029	na	3.57	1.018	4.00
Wanting to practice in an affluent area	4025	na	3.49	0.834	3.00
Wanting to practice in the armed forces	4028	na	2.87	1.353	3.00
Personality traits (1=strongly disagree, 5=strongly agree):					
Agreeable	4025	na	5.97	0.87	6.0
Conscientious	4025	na	5.60	0.87	5.7
Extraverted	4024	na	4.60	1.19	4.7
Neurotic	4023	na	3.72	1.24	3.7
Open	4024	na	5.07	1.08	5.0

Table S3: Participant rating of how appealing or unappealing they found various medical specialties/careers (1=very unappealing, 5=very appealing). Specialties presented from most to least appealing.

	N	Mean	SD
Internal medicine (e.g. Cardiology, Neurology, etc)	3994	4.32	0.92
Surgery (inc. Ophthalmology).	4009	4.16	1.19
Paediatrics and Child Health	3988	3.93	1.25
Emergency Medicine	4003	3.89	1.22
Psychiatry and Mental Health	3977	3.31	1.37
General Practice	3958	3.27	1.45
Anaesthetics	4002	3.24	1.19
Research	3993	3.06	1.45
Obstetrics/Gynaecology	3988	3.05	1.39
Public Health/Community Medicine	3985	2.99	1.27
Radiology/Radiotherapy	3985	2.80	1.29
Laboratory Medicine (e.g. Microbiology, Pathology)	3994	2.73	1.42
Medical administration	3975	1.97	1.12

Table S4: Simple correlations (Pearson's *r*) between GP Appeal and application experiences, socio-demographic factors, educational factors, motivations for studying medicine, and desired location of clinical practice post-graduation. **P* values significant at the Bonferroni-corrected level of $p < .0014$. Black text = positive; red text = negative.

Predictor	N	P value	r
Application experience			
Has had at least one GP medical experience	3953	<0.001	0.074*
Has had at least one hospital medicine experience	3953	<0.001	-0.057*
Total number of experiences	3953	0.754	-0.005
Education and achievement			
Attends private school (vs state)	3844	<0.001	-0.058*
Attends grammar school (vs state)	3844	0.131	-0.024
Mean GCSE points	3646	<0.001	-0.091*
Socioeconomic factors			
Lives in a less deprived postcode	3578	0.026	-0.037
At least one parent or carer is a doctor	3894	0.569	-0.009
At least one or both parent/carer is in a professional occupation	3803	0.088	-0.028
Demographics			
Asian ethnicity	3930	<0.001	0.066*
Black ethnicity	3930	0.315	0.016
Mixed ethnicity	3930	0.165	-0.022
Other ethnicity	3930	0.056	0.030
Male gender	3939	0.059	0.030
Social capital			
Number of medical applicants known	3943	0.130	-0.024
Number of doctors/medical students known	3942	0.246	-0.018
Answers "yes" to "Most of my friends are planning to go to university"	3956	0.066	-0.029
Motivation for studying medicine			
Wants challenging role under pressure	3956	<0.001	-0.068*
Wants to be helpful to others and useful to society	3956	<0.001	0.060*
Wants economically secure occupation	3956	<0.001	0.0688*
Wants to express own values and interests	3955	0.744	-0.005
Wants opportunities to travel	3955	0.001	-0.052*
Future practice location			
Wants to practice near where they live or grew up	3956	<0.001	0.173*
Wants to practice in urban area	3953	0.001	-0.051*
Wants to practice in rural area	3942	<0.001	0.129*
Wants to practice outside of the UK	3948	<0.001	-0.108*
Wants to work in the NHS	3953	<0.001	0.095*
Wants to work in the private sector	3958	<0.001	0.080*
Wants to work in a deprived area	3957	0.007	0.043
Wants to work in an affluent area	3953	0.002	0.050

Wants to work in the armed forces	3956	<0.001	-0.081*
Personality			
Personality trait - Agreeable	3953	<0.001	0.099*
Personality trait - Conscientious	3953	0.134	-0.024
Personality trait - Extraverted	3953	0.003	-0.047
Personality trait - Neurotic	3952	0.232	-0.019
Personality trait - Open to experience	3953	0.573	0.009

Table S5: Simple (Pearson's) correlations between having at least one GP medical application experience, other application experiences, education and socio-demographics factors. * P values significant at the Bonferroni-corrected level of $p < .003$; positive correlations in black, negative correlations in red.

Factor	N	p value	r
Application experience			
At least one hospital medicine experience	4026	<0.001	0.103*
Total number of experiences related to medicine	4026	<0.001	0.264*
Education			
Attends private school (vs state)	3910	<0.001	0.101*
Attends grammar school (vs state)	3910	0.032	0.034
Mean GCSE points	3711	<0.001	0.086*
Social capital			
Number medical applicants known	4009	<0.001	0.061*
Number of doctors/medical students known	4008	<0.001	0.097*
Answers 'yes' to "Most of my friends are planning to go to university"	4023	0.369	0.014
Socioeconomic factors			
Lives in a less deprived postcode	3643	0.001	0.056*
One or both parents/carers are doctors	3960	<0.001	0.072*
One or both parents/carers have a professional occupation	3868	<0.001	0.104*
Demographics			
Male gender (vs female)	4007	0.734	0.005
Black ethnicity	3997	0.023	-0.036
Asian ethnicity	3997	0.161	0.022
Mixed ethnicity	3997	0.120	-0.025
Other ethnicity	3997	0.002	-0.050*