Supplementary file 1: Questionnaire

Instruction on how to complete the questionnaire

This questionnaire is divided into six sections: the first section (Section A) asks basic social and demographic characteristics (age, sex, religion, level of study, etc.) and other general questions. The next, Section B, is about medical education in Nigeria. Section C asks questions about your post-graduate career plans, while Section D is about your family migration history. Finally, Sections E and F contain groups of statements about “views on migration” and “migration aspirations”: in each of these two sections (E & F) you are to respond by either agreeing with or disagreeing with each statement.

Your participation should not take more than 30 minutes of your time, and at the end of the session the completed questionnaire should be handed back to me.

In completing this questionnaire, you are advised that there are no right or wrong answers, and you are encouraged to please answer all questions.

Should there be a part of the questionnaire instrument that you don’t understand, or you need further clarifications, please don’t hesitate to call my attention.

Thank you.
Section A: SOCIO-DEMOGRAPHIC INFORMATION

1. Date ..............................
2. Sex ..............................
3. Age ..............................
4. Marital Status ..............................
5. Level of study ..............................
6. Religion ..............................

7. How would you describe the location of your family home?

   (A) Rural/ Small town  
   (B) Urban/ Large town/ City

8. Where did you complete your secondary school education?

   (A) Rural/ Small town  
   (B) Urban/ Large town/ City

9. How would you describe your father’s highest educational level attained?

   (A) Never attended school  
   (B) Primary education  
   (C) Secondary education  
   (D) Tertiary education

10. How would you describe your mother’s highest educational level attained?

    A) Never attended school  
    (B) Primary education  
    (C) Secondary education  
    (D) Tertiary education
Section B: MEDICAL EDUCATION

11. In your own words can you tell me, what was the main reason(s) you chose to study medicine? (IF MORE THAN ONE REASON, THEN PLEASE LIST IN ORDER OF IMPORTANCE)

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…………………………………………
………………………………………….

12. How would you describe your experience of studying medicine?

(A) Excellent

(B) Very good

(C) Good

(D) Indifferent

(F) Bad

How would you rate the quality of medical education you are currently receiving in the following areas?

13. Quality of classroom teaching/instructions

(A) Excellent

(B) Very good

(C) Good

(D) Indifferent

(F) Bad
14. Quality of academic training facilities

(A) Excellent

(B) Very good

(C) Good

(D) Indifferent

(F) Bad

15. Quality of clinical training facilities

(A) Excellent

(B) Very good

(C) Good

(D) Indifferent

(F) Bad

16. Quality of support from faculty staff (academic and clinical)

(A) Excellent

(B) Very good

(C) Good

(D) Indifferent

(F) Bad
17. Relevance of medical curriculum to present day health challenges facing Nigeria

(A) Excellent

(B) Very good

(C) Good

(D) Indifferent

(F) Bad

Section C: POST GRADUATE CAREER PLANS

18. What do you plan to do after graduating from medical school?

Go into……..

(A) Full time practice in Nigeria

(B) Specialty training in Nigeria (Residency).

(C) Research/Academia in Nigeria

(D) Full time practice abroad

(E) Further training abroad

(F) Research/Academia abroad

(G) Undecided

(H) Others (please specify).
19. Should you decide to go into practice, where will you prefer to practise?

(A) Rural areas in Nigeria  
(B) Urban areas in Nigeria  
(C) Anywhere in Nigeria (whether rural or urban).  
(D) Abroad/outside Nigeria  
(E) Undecided

20. Should you decide to practice in Nigeria, in which of the sectors would you prefer to practise?

(A) Private For-profit  
(B) Private Non-profit (N.G.0)  
(C) Public  
(D) Undecided

21. Should you decide to specialise or pursue a post-graduate career, what will your choice be?

(A) Clinical sciences  
(B) Basic medical sciences  
(C) Laboratory medicine  
(D) Others (please specify).  
(E) Undecided
22. Should you decide to pursue a post-graduate career in clinical sciences, which will be your choice?

(A) Medicine and sub-specialty
(B) Surgery and Sub-specialty
(C) Obstetrics and Gynaecology
(D) Public/community health
(E) Others (please specify).
(F) Undecided

23. Should you decide to pursue a career in basic medical sciences, what will your choice be?

(A) Anatomy
(B) Physiology
(C) Pharmacology
(D) Medical biochemistry
(E) Others (please specify).
(F) Undecided
Section D: MIGRATION HISTORY

24. Have you ever been abroad (outside Africa) before?

YES  NO

25. Do you have a family member, friend, or colleague who is a medical doctor/healthcare worker?

YES  →PLEASE GO TO QUESTION 26

NO  →PLEASE GO TO QUESTION 30

26. If you answered “YES” above, have they practised abroad?

YES  →PLEASE GO TO QUESTION 27

NO  →PLEASE GO TO QUESTION 30

27. If you answered “YES” to question 26 above, what is/was your relationship with this doctor/healthcare worker?

• 1 – NONE  • 2 – A Neighbour I know/heard of  • 3 – Friend/colleague

• 4 – Extended family member  • 5 – Nuclear family member

28. Would you say this person(s) was influential in your decision to study medicine?

YES  →PLEASE GO TO QUESTION 29

NO  →PLEASE GO TO QUESTION 30

29. If you answered “YES” to question 28 above, can you explain how this person was influential?

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Section E: VIEWS ON MIGRATION

To which extent do you agree or disagree with the following statements?

30. There are better prospects for my career advancement as a doctor abroad

• 1 – Strongly disagree • 2 – Disagree • 3 – Neither agree or disagree • 4 – Agree
• 5 – Strongly agree

31. I will be able to find the job that I want abroad

• 1 – Strongly disagree • 2 – Disagree • 3 – Neither agree or disagree • 4 – Agree
• 5 – Strongly agree

32. I will experience better job satisfaction practicing abroad compared to practising in Nigeria

• 1 – Strongly disagree • 2 – Disagree • 3 – Neither agree or disagree • 4 – Agree
• 5 – Strongly agree

33. My family will be financially better-off with me practising abroad

• 1 – Strongly disagree • 2 – Disagree • 3 – Neither agree or disagree • 4 – Agree
• 5 – Strongly agree

34. It is important to have the experience of practising abroad at some point in your career

• 1 – Strongly disagree • 2 – Disagree • 3 – Neither agree or disagree • 4 – Agree
• 5 – Strongly agree

35. My overall standing in my community will be improved if I practise abroad compared to practising in Nigeria

• 1 – Strongly disagree • 2 – Disagree • 3 – Neither agree or disagree • 4 – Agree
• 5 – Strongly agree

36. Doctors get better recognition in Nigeria if they have practised overseas before

• 1 – Strongly disagree • 2 – Disagree • 3 – Neither agree or disagree • 4 – Agree
• 5 – Strongly agree
Section F: ASPIRATIONS TO MIGRATE

To which extent do you agree or disagree with the following statements?

37. I have given some consideration to the idea of going abroad to practise someday.
   • 1 – Strongly disagree • 2 – Disagree • 3 – Neither agree or disagree • 4 – Agree
   • 5 – Strongly agree

38. I have enquired about information on going abroad to practise
   • 1 – Strongly disagree • 2 – Disagree • 3 – Neither agree or disagree • 4 – Agree
   • 5 – Strongly agree

49. I have most of the information I need about how to qualify to practise abroad
   • 1 – Strongly disagree • 2 – Disagree • 3 – Neither agree or disagree • 4 – Agree
   • 5 – Strongly agree

40. I would like to move abroad to practise someday after graduation
   • 1 – Strongly disagree • 2 – Disagree • 3 – Neither agree or disagree • 4 – Agree
   • 5 – Strongly agree

41. There is a plan in place for me to migrate abroad to practise after graduation
   • 1 – Strongly disagree • 2 – Disagree • 3 – Neither agree or disagree • 4 – Agree
   • 5 – Strongly agree

42. I am not concerned that despite qualifying as a doctor in Nigeria I will still be required to
   pass qualifying examinations before I can practise abroad
   • 1 – Strongly disagree • 2 – Disagree • 3 – Neither agree or disagree • 4 – Agree
   • 5 – Strongly agree

43. I am not discouraged by the length of time it could take to acquire the necessary certification
   to practise abroad
   • 1 – Strongly disagree • 2 – Disagree • 3 – Neither agree or disagree • 4 – Agree
   • 5 – Strongly agree

44. The resources it would take for me to pass the qualifying exams in order to practise abroad
   does not discourage me
   • 1 – Strongly disagree • 2 – Disagree • 3 – Neither agree or disagree • 4 – Agree
   • 5 – Strongly agree
45. What in your opinion, should the government do in order to encourage doctors to remain and practise in Nigeria rather than move abroad?

THANK YOU FOR YOUR TIME AND COOPERATION IN FILLING-IN THE QUESTIONNAIRE