

Dear fellow students,

following questionnaire is part of my dissertation at the institute for family medicine in Frankfurt, which I ask you to complete.

The questionnaire is about your image of family medicine, about the aspects you like or dislike about family medicine and about the factors playing a role in the decision for or against family medicine as further medical specialist education.

Regarding the shortage of family physicians and doctors in rural areas it is the aim of this study to shape the education and the working conditions in a more attractive way. So it is another aim, to create a general basis for improvements of your own education and working conditions. You can participate in giving your answers and opinions and perhaps become clearer about your expectations of working life.

Irrespective of whether or not you like family medicine, all opinions are important for this study!

Completing the questionnaire will last 10 to 15 minutes and of course your data will be treated confidentially and pseudonymized evaluated.

If you have any questions or remarks please contact me under following mail-address:
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Thank you very much for your support!

Antonia Bien

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This part is about your future working ideas

- 1. Which medical specializations are you interested in in the order of your preferences?**
(2 alternatives possible)

1. _____ 2. _____	<input type="checkbox"/> I do not know yet <input type="checkbox"/> None, but: _____ (for example working in the pharma- industry)
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- 2. When did your medical specialization preference emerge?**
(Multiple choice possible)

- ☐ Was certain previous to studies
☐ Was reinforced during studies
☐ Emerged during studies
☐ Emerged in an internship during studies

- 3. Are you ready to set up in private practice / be employed as a family doctor (both specializing in family medicine or specializing in internal medicine but working as GP)**

I can't imagine that at all	<input type="checkbox"/>	1	<input type="checkbox"/>	2	<input type="checkbox"/>	3	<input type="checkbox"/>	4	<input type="checkbox"/>	5	I can well imagine that
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- 4. How important were the following factors or persons in the emergence of the desired field of work?**

	Not importa nt at all				Very importa nt
	1	2	3	4	5
Interest in the subject	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Confirmation of personal strengths and capabilities	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
General / Working conditions in the preferred specialist area	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Negative/ disappointing experiences in other specialist areas	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Prospect of taking over or working in an existing practice	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Teaching in the preferred specialist area	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Practical experience in the specialist area	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

	Not importa nt at all				Very importa nt
	1	2	3	4	5
Sense of achievement when gaining practical experience	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Taking on responsibility during practical training /clinical traineeships	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Experience of medicine in rural areas (inpatient and outpatient sectors)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Personal experiences as a patient	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Influence of doctors in the family	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Influence of doctors among circle of acquaintances	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Influence of family members or acquaintances in another health-related profession (nurse, physiotherapist, etc.)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Influence of family and acquaintances with no medical background	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other: _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

5. In your opinion, what is to be said against... (Multiple choice possible)

working in a practice?	a permanent occupation in hospital?
<input type="checkbox"/> Financial risk	<input type="checkbox"/> Working in shifts
<input type="checkbox"/> Bureaucracy, administrative effort	<input type="checkbox"/> Competition
<input type="checkbox"/> Inadequate payment	<input type="checkbox"/> Hierarchy
<input type="checkbox"/> Recourse claims	<input type="checkbox"/> Lack of lasting patient contacts
<input type="checkbox"/> High workload	<input type="checkbox"/> High workload/ stress
<input type="checkbox"/> Difficulties getting a licence in preferred region	<input type="checkbox"/> No flexibility
<input type="checkbox"/> High responsibility	<input type="checkbox"/> Limited individual responsibility
<input type="checkbox"/> No career chances	
<input type="checkbox"/> Lack of contact with colleagues	
<input type="checkbox"/> Other: _____	<input type="checkbox"/> Other: _____

6. a) Are you ready to work in a rural area in future?

- ☐ Yes; go to **6b**
- ☐ No; go to **6b**
- ☐ I do not know; go to **7**

b) When did your attitude toward working in a rural area emerge?
(Multiple choice possible)

- ☐ Was certain previous to studies
- ☐ Was reinforced during studies
- ☐ Emerged during studies
- ☐ Emerged in an internship during studies

7. From your point of view, pros and cons:

For working in a rural area as a family doctor

- ☐ More individual responsibility
- ☐ Varied tasks
- ☐ Close patient contact
- ☐ Safe job
- ☐ Family friendly environment
- ☐ low living expenses
- ☐ living nearby nature
- ☐ Other:

Against working in a rural area as a family doctor

- ☐ High workload
- ☐ Lack of contact with colleagues
- ☐ No privacy
- ☐ Lack of private patients
- ☐ Difficulties for the partner in finding a job
- ☐ Long distances
- ☐ Other:

This part is about your experiences with teaching:

8. Do you agree with following sentences about your general attitude toward family medicine?

	strongly disagree				strongly agree
	1	2	3	4	5
Doctors working in family medicine had a negative influence on my attitude toward general practice	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Doctors working in family medicine had a positive influence on my attitude toward general practice	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Doctors working in other specialist areas had a negative influence on my attitude toward general practice	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Doctors working in other specialist areas had a positive influence on my attitude toward general practice	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

9. What did you generally find was the attitude toward family medicine of other medical specialists during your university education?

rather disparaging	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	rather appreciative
	1	2	3	4	5	

10. In retrospect, how would you assess the following courses in general practice?

	very bad				very good
	1	2	3	4	5
a) Course in general practice	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b) Block internship in general practice	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c) Lectures in the field of general practice <input type="checkbox"/> did not attend any	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d) Further curricular courses in the field of general practice (Introduction to careers in medicine, Introduction to clinical medicine, Interdisciplinary areas)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

	very bad				very good
	1	2	3	4	5
e) Electives:					
<input type="checkbox"/> did not attend any					
1. _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f) Clinical traineeship in general practice					
<input type="checkbox"/> Not completed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Mandatory clinical traineeship					
<input type="checkbox"/> Voluntary clinical traineeship					

11. Which courses in general changed your attitude toward family medicine in a positive or negative way?

<u>Positive</u>	<u>Negative</u>
1. _____	1. _____
2. _____	2. _____

12. Does a role model exist among the general practitioners you have met in your life?

☐ Yes ☐ No

13. Do you agree with following sentences?

	strongly disagree				strongly agree
	1	2	3	4	5
During my block internship, I had the opportunity to care for patients independently.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
If anything, I felt that excessive demands were made of me during my block internship.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
If anything, I felt that too few demands were made of me during my block internship.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I was able to develop my communicative and social capabilities during my block internship in general practice.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I felt like part of the practice team during my block internship in general practice.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

	strongly disagree				strongly agree
	1	2	3	4	5
During the block internship, my teaching physician found time to answer any questions and to teach me.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
During the block internship, my teaching physician seemed very happy in his profession.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The courses in general practice were useful for my medical education.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The courses in general practice provided me with sufficient insight into the subject to rule it out or consider it as a medical specialty.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

14. In your general practice education, what topic areas do you think should be dealt with in more detail? (Multiple choice possible)

- | | |
|--|---|
| <input type="checkbox"/> Economic aspects of setting up a practice | <input type="checkbox"/> Additional titles (e.g.naturopathy) |
| <input type="checkbox"/> Running and organizing a practice | <input type="checkbox"/> Structured specialist training in an organized network |
| <input type="checkbox"/> Conducting a conversation (e.g. bearing bad news, communicating with difficult patients) | <input type="checkbox"/> Working as a country doctor |
| <input type="checkbox"/> The path to setting up one's own practice | <input type="checkbox"/> Other:
_____ |
| <input type="checkbox"/> Different working arrangements in general practice (group practices, employment, healthcare centers (Medizinisches Versorgungszentrum)) | <input type="checkbox"/> No information was missing in my general practice training |
| <input type="checkbox"/> The future of family medicine | <input type="checkbox"/> There were too many courses in general practice |
| <input type="checkbox"/> Internships in outpatient services to reduce uncertainty | |
| <input type="checkbox"/> Frequent reasons for seeking advice concerning family medicine | |

15. In your opinion, in what form should additional educational content in general practice be taught?

- | | |
|--|--|
| <input type="checkbox"/> Preferably in the form of voluntary courses | <input type="checkbox"/> Preferably in the form of mandatory courses |
|--|--|

This part is about your image of family medicine:

16. How attractive or unattractive do you see following aspects of family medicine?

	Not attractive at all				Very attractive
	1	2	3	4	5
Value of family medicine in health care system	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Working conditions	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Compatibility of work and family	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Prevention	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Varied scope of diseases	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Focus on individual	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Lack of emergency situations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Necessity of referral	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Focus on communication	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Less operations/ diagnostic	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Patients of all ages	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Many similar diseases	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Home visits	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unlimited reachability	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
On-call-duty	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Smaller Team	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Income	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Additional titles (e.g.naturopathy)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Early decision between outpatient and inpatient patient care	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Prestige among colleagues	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

	Not attractive at all				Very attractive
	1	2	3	4	5
Public prestige of family medicine	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other: _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

17. How important would be a change of following frame conditions in family medicine, to make it more attractive?

	Not important at all				Very important
	1	2	3	4	5
More possibilities of employment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Training for taking over or founding a praxis	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Guarantee a professional representation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Better coordination of medical specialist further education	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Guarantee a child care	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Support regarding finances	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Support regarding law and administration	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Support in learning competences of family medicine	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Optional courses to discuss questions concerning family medicine	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other: _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Personal anonymized data:

18. Gender:

☐ female ☐ male

19. Age:

_____ years

20. Family status:

- ☐ married
- ☐ in partnership
- ☐ divorced
- ☐ single
- ☐ widowed

21. Do you have children?

- ☐ Yes
- ☐ No

22. Do you have a pre-education?

- ☐ Yes _____
- ☐ No

23. How were you allowed to medical studies?

- ☐ Wait rate
- ☐ High school best quote
- ☐ Special admission strategies of universities
- ☐ Other:

24. a) Which is the size of municipality where you mainly grew up?

- ☐ Rural district (up to 5,000 inhabitants)
- ☐ Small town (>5,000 to 20,000 inhabitants)
- ☐ Medium-sized town (>20,000 to 100,000 inhabitants)
- ☐ Large town (>100,000 inhabitants)

b) Would you classify your personal background as predominantly rural?

- ☐ Yes
- ☐ No

25. a) Where were you born?

- ☐ In Germany; go to **26**
- ☐ In another country; go to **25 b)**

b) For how many years do you live in Germany?

_____ years

26. Where did your parents grow up?

Your father:

- ☐ Mainly in Germany
- ☐ Mainly in another country

Your mother:

- ☐ Mainly in Germany
- ☐ Mainly in another country

Thank you!

