

Gender distribution among anaesthesiologists

Dear colleagues!

With this anonymous survey we aim to explore gender distribution among anaesthesiologists (doctors, holding a medical degree) globally. We focus on opportunities in departmental leadership, clinical work, and research.

Ethical committee has reviewed and approved this project.

The survey takes 5 to 10 minutes to complete. There are some questions marked with asterisk (*) which are required to be answered in order to proceed to the next section.

The survey is available in English, French, German, Italian, Portuguese, Russian and Spanish (please choose your language in the top right corner of the screen).

We thank you very much for your contribution,

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1. I work as an anaesthesiologist in the operating theatre (as trainee, resident, specialist, consultant or attending) *

- Yes
- No

Work related data and demographics

2. What is your current level of clinical training?

- Trainee/resident in the FIRST half of training
- Trainee/resident in the SECOND half of training
- Specialist for LESS than 10 years
- Specialist for MORE than 10 years

3. What is your age?

4. Do you have a child/children to take care of at home?

- Yes
- No

5. On average, how many hours per week do you spend working on your career (including clinical work, research/academic work, and any leadership positions)?

- less than 20 hours
- 20 to 40 hours
- 41 to 60 hours
- 61 to 80 hours
- more than 80 hours

6. Concerning your career plans, rate the importance of each of the following aspects from 1 (not important) to 5 (very important)

	1	2	3	4	5
Taking a leadership position in my department					
Doing clinical work					
Doing research					

Departmental leadership

7. What is the TOTAL number of anaesthesiologists in your department (including trainees/residents)?

8. What is the number of FEMALE anaesthesiologists in your department (including trainees/residents)?

9. What is the gender of your current head of department?

- Female
- Male
- Non-binary

10. What was the gender of the immediate past head of your department (i.e. the one immediately before current head of department)?

- Female
- Male
- Non-binary

11. Are you a current or past head of your department? *

- Yes (proceed to Q17)
- No (proceed to Q12)

Departmental leadership - continued

Please rate your agreement with the following statements:

12. "I would like to become the head of my department in the future"

- Strongly agree
- Agree
- Unsure
- Disagree
- Strongly disagree

13. "I would like to take some other leadership role in my department in the future"

- Strongly agree
- Agree
- Unsure
- Disagree
- Strongly disagree

14. If you agree or strongly agree with the statement above, please describe the leadership role that you would like to take (e.g., in simulation, quality improvement, specialised clinical service etc.):

15. “My gender is a DISADVANTAGE when competing for a leadership position in my department”

- Strongly agree
- Agree
- Unsure
- Disagree
- Strongly disagree

16. Please describe any barriers for you to take a leadership position in your department:

17. What is your gender? *

- Female (proceed to Q18)
- Male (proceed to Q18)
- Non-binary (proceed to Q26)

Clinical work experience

Please rate your agreement with the following statements:

18. “Doctors in my department have better attitude towards female anaesthesiologists than male anaesthesiologists”

- Agree
- Treated equally
- Disagree (i.e. female anaesthesiologists are treated worse)

19. “Nurses in my department have better attitude towards female anaesthesiologists than male anaesthesiologists”

- Agree
- Treated equally
- Disagree (i.e. female anaesthesiologists are treated worse)

20. “Our patients have better attitude towards female anaesthesiologists than male anaesthesiologists”

- Agree
- Treated equally
- Disagree (i.e. female anaesthesiologists are treated worse)

21. “Our surgeons have better attitude towards female anaesthesiologists than male anaesthesiologists”

- Agree
- Treated equally
- Disagree (i.e. female anaesthesiologists are treated worse)

22. Have you ever been mistreated at your workplace because of your gender?

- Yes (proceed to Q23)
- No (proceed to Q34)

Clinical work experience - continued

23. By whom have you been mistreated? (check all that apply):

- Colleague anaesthesiologist
- Nurse
- Patient
- Surgeon
- Other:

24. Have you reported the incident?

- Yes
- No

25. Has anyone supported you?

- Yes
- No

(proceed to Q34)

Clinical work experience - non-binary genders

Please rate your agreement with the following statements:

26. “Doctors in my department have better attitude towards (your gender) anaesthesiologists than male or female anaesthesiologists”

- Agree
- Treated equally
- Disagree (i.e. my gender anaesthesiologists are treated worse)

27. “Nurses in my department have better attitude towards (your gender) anaesthesiologists than male or female anaesthesiologists”

- Agree
- Treated equally
- Disagree (i.e. my gender anaesthesiologists are treated worse)

28. “Our patients have better attitude towards (your gender) anaesthesiologists than male or female anaesthesiologists”

- Agree
- Treated equally
- Disagree (i.e. my gender anaesthesiologists are treated worse)

29. “Our surgeons have better attitude towards (your gender) anaesthesiologists than male or female anaesthesiologists”

- Agree
- Treated equally
- Disagree (i.e. my gender anaesthesiologists are treated worse)

30. Have you ever been mistreated at your workplace because of your gender?

- Yes (proceed to Q31)
- No (proceed to Q34)

Clinical work experience - non-binary genders - continued

31. By whom have you been mistreated? (check all that apply):

- Colleague anaesthesiologist
- Nurse
- Patient
- Surgeon
- Other:

32. Have you reported the incident?

- Yes
- No

33. Has anyone supported you?

- Yes
- No

Research experience

34. Have you done any research study? *

- Yes (proceed to Q35)
- No (proceed to Q39)
- Other (e.g. case reports, audits, evaluations, letter-to-editors etc) (proceed to Q39)

Research opportunities

35. How many peer reviewed articles in indexed journals have you co-authored over the last two years?

- 0
- 1
- 2
- 3
- 4
- 5
- 6
- More than 6

36. How many presentations have you personally presented at the national/international meetings over the last two years?

- 0
- 1
- 2
- 3
- 4
- 5
- 6

- More than 6

37. Please rate your agreement with the statement: “My gender is a DISADVANTAGE when doing research at my department”

- Strongly agree
- Agree
- Unsure
- Disagree
- Strongly disagree

38. Please describe any barriers for you to do research at your department:

(proceed to Q42)

Research opportunities

39. Please rate your agreement with the statement: “I would like to do research in the future”

- Strongly agree
- Agree
- Unsure
- Disagree
- Strongly disagree

40. Please rate your agreement with the statement: “My gender is a DISADVANTAGE when doing research at my department”

- Strongly agree
- Agree
- Unsure
- Disagree
- Strongly disagree

41. Please describe any barriers for you to do research at your department:

Conclusion - please press “DONE” button below

42. Please suggest what could be done to improve gender equality in leadership, research and/or clinical work at your department? Please explain

43. Any other comments / suggestions?

44. Would you please share your current COUNTRY of anaesthesia practice:

45. Would you please share the name of the CITY where you currently practice anaesthesia (we need this information for assessing the spread/reach of the survey; this will only be reported in aggregate as, for example, “10 cities from Switzerland”):

46. Would you be so kind to give permission to include your anonymous responses in the analysis and publication? *

- Yes
- No

**Don't forget to click on “DONE” button below
and please spread the word**

We would much appreciate if you could copy and send this message to your colleagues: Dear colleagues, I do hope you are doing well. By following the link below, you will access an anonymous survey about gender distribution in anaesthesia. The results would shed light on gender inequalities and potentially help us suggest measures to improve parity in opportunities for leadership, clinical work, and research. The survey is being led by an international group of anaesthesiologists from Slovak Republic, Slovenia, Switzerland and USA. Here is the link (survey takes only 5 - 10 min to complete):
<https://www.surveymonkey.com/r/DWSTVGD>

If you could share the link within your department/country (or wider) would be great. Many thanks for your support, sincerely, Marko Zdravkovic Contact details:
markozdravkovic@gmail.com [@MZanaesthetist](http://linkedin.com/in/marko-zdravkovic-9b17726a)