



HOKKAIDO UNIVERSITY

Title	What do surgical trainees and educators around the world need : a global needs assessment survey from 6 regions around the world
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Citation	Global Surgical Education : Journal of the Association for Surgical Education, 4(1), 18 https://doi.org/10.1007/s44186-024-00325-7
Issue Date	2024-12-23
Doc URL	https://hdl.handle.net/2115/97840
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Type	journal article
File Information	Supplementary material 1 Educator Survery.pdf, Supplementary material



Needs assessment survey for Global Surgical Education

“What do Surgical Educators around the world need?”

This survey is meant for surgical educators around the world.

Surgical Educator definition: Any surgeon who is directly involved in either of the following within past year.

- Training a trainee in core surgical or surgical subspecialty in the Operation room or simulation center.
- Management of the training of the surgical trainee

Surgeon definition: Any medical doctor who performs surgery eg: General surgeon, Urologist, ENT surgeon, Gynecologist, etc.

* 1. Are you a surgeon? (Completed surgical training)

Yes

No (Survey will end here)

* 2. Within the past year have you been directly involved in the training of a surgical trainee or management of the training of a surgical trainee?

Yes

No (Survey will end here)

We ask you as surgical educators around the world, in low-, middle-, and high-income countries to please fill in this survey. Why? Because the International Task Force of the Association of Surgical Education (ASE) is curious about your needs, challenges, opinions, suggestions you may have regarding surgical education in your hospital, region, country. With your answers and comments, we can learn from each other, identify common themes, and together may start initiatives to improve surgical education in our global surgical educational community.

This survey will take you 20 minutes of your time. The data will be analyzed respecting your privacy:

- Personal information that will enable you to be identified, such as IP addresses, telephone numbers, address, email address etc. will not be collected or stored.

- All the data from this survey will be treated confidentially. Only authorized research group members and ASE staff will have access to the responses collected during this survey and will be used only for this research purpose and will not be transferred to any third party.

Thanks for your participation, on behalf of the ASE International Task Force Members,

* 3. Do you agree to proceed with the survey?

I agree to proceed with the survey

I decline to proceed with the survey (Survey will end here)

Personal information

4. Country of practice:

5. Home Country:

6. Country where medical degree was obtained:

7. Gender: How do you identify?

Man

Non-binary

Woman

Prefer to self-describe:

8. Age:

9. Graduation year from medical school:

10. How many years have you been a surgical educator?

11. Which best describes your current position (Choose one)

Professor or chair of department in medical school

Residency/ fellowship program director

Other teaching faculty in medical school (Associate professor, lecturer, assistant professor)

Surgery program coordinator

Head of the department in academic hospital

Other teaching faculty in academic hospital (please specify in comment box below)

Head of the department in community hospital

Other teaching faculty in community hospital (please specify in comment box below)

Not Applicable

Other (please specify)

12. What is your specialty/subspecialty?

General surgery (Includes: Gastrointestinal surgery, bariatric, upper GI, colorectal, HPB surgery, Transplant, breast surgery, Acute care surgery, Surgical Oncology)

Urology

Cardiothoracic and vascular surgery

Pediatric surgery

Orthopedic and Trauma surgery

Otolaryngology (ENT)/Head & Neck surgery

Neurosurgery

Plastic surgery

Gynecology and Obstetrics

Others (Please specify)

For the general surgeons

13. What is your specialty/subspecialty? (Multiple choices allowed)

General surgery

Gastrointestinal surgery

Bariatric and Metabolic Surgery

Upper GI (Esophagus, Gastric Surgery)

Colorectal

HPB surgery

Surgical Oncology

Transplant

Breast surgery

Hernia and abdominal wall surgery

Acute Care Surgery (Emergency Trauma and Critical Care)

Others (Please specify)

Cardiothoracic and Vascular Surgery

14. What is your specialty/subspecialty? (Multiple choices allowed)

Cardiac Surgery

Thoracic Surgery

Vascular Surgery

Others (Please specify)

Personal information II

15. Practice environment

University/Medical school hospital

University/Medical school affiliated hospital

Academic Hospital (Not affiliated to university or medical school)

Community hospital

Others (please specify)

Not Applicable

16. Funding of your Hospital

Private

Government/Public

Faith based Mission Organization

Non-profit based Organizations

Others (please specify)

Not Applicable

17. Why are you involved in surgical education? (Choose all that is applicable)

Because I work in a teaching/training hospital

Because I was given the responsibility of training/teaching

Because I like teaching/training young surgeons

Because it is expected of me as an attending

Other (please elaborate)

18. Types of trainees that you are responsible to train in your hospital. (Choose all that is applicable)

Medical students (trainees who have not yet graduated from medical school)

Intern (Trainee rotating through various medical/surgical departments)

House officer (Trainee who has finished internship and obtained a medical license to practice but not yet officially enrolled in surgical training program)

Resident (Trainee enrolled in core surgical training program to become a primary specialist surgeon)

Fellow (Trainee who has already completed training for primary specialization and is in a training focusing in subspecialization)

Other (please specify)

19. How many surgical trainees in your specialty are currently being trained in your department?

1

2-5

6-10

11-20

21-30

>30

Not Applicable

20. How many faculty members (attendings/consultants or specialists) are currently involved in your training program/ department?

1

2-5

6-10

11-20

21-30

>30

Not Applicable

Barriers in surgical educations

21. Which of the following are barriers for you in performing your duties as a surgical educator?

Lack of protected time

Lack of dedicated budget

Inadequate number of other faculty educators

Requirements for clinical productivity

Lack of trainee motivation to learn

Lack of incentive/ compensation for your education work

Lack of training in surgical education

Other (please specify)

Not Applicable

22. What percentage of a typical work day do you engage in the education of medical students or surgical trainees?

Less than 10%

10-30%

31-50%

51-70%

More than 70%

Not Applicable

23. Do you have protected time for teaching activities?

Yes

No

Not Applicable

24. Do you get compensated for your teaching activities?

Yes

No

Not Applicable

25. Do you have budget in your department that supports Surgical Education activities (for skills lab or simulation center, training programs, workshops, etc.)?

Yes

No

Not Applicable

26. Does your center have a skills lab or simulation center to train your surgical trainees?

- Skills lab: small training room or rooms where trainees can practice basic skills.
- Simulation Center: Dedicated training center with several simulators, training modules, curriculum and dedicated staffs to train the trainees

Yes, we have skills lab

Yes, we have simulation center

Yes, we have both

No, we have neither

27. Are you satisfied with the number of cases your trainees participate in during their training?

Yes

No

28. Are you satisfied with the variety of cases your trainees experience during their training?

Yes

No

Surgical Education Activities

29. What percentage of the surgery done in your department is performed by trainees?

30. How often does a junior surgical trainee watch an operation without assisting a regular method of training in your hospital?

Always

Very Often

Sometimes

Rarely

Never

31. How often are the surgical trainees first required to assist before they can operate themselves (under supervision) themselves in your hospital?

Always

Very Often

Sometimes

Rarely

Never

32. How often do the surgical trainees in your hospital first perform a procedure in a simulation/skills lab before operating (under supervision) in Operation room?

Always

Very Often

Sometimes

Rarely

Never

33. How often do senior surgical trainees assist junior trainees performing an operation in your hospital?

Always

Very Often

Sometimes

Rarely

Never

Surgical Education Activities II

34. Please choose the modules and frequency of the training that you use to train your trainees outside of the Operation Room

Modules:

Lectures

Interactive workshops

Hands on training in dry lab/ Simulation

Hands on training with wet tissues

Animal lab

Cadaver training

Cadaver training Not Applicable

Others (please specify in the comment box below)

Frequency

1-2 times a week

1-2 times a month

Once every 2- 3 months

Once every 6 months

Once a year

Irregularly

Never

Not Applicable

For participants choosing others options, please specify in the comment box below

35. How do you evaluate the surgical trainees in your program? (Choose all that is applicable)

Formal Paper based examination

Formal Oral Examination

End of rotation evaluation

Assessment of operative performance

Performance assessment using simulation

Assessment of trainee in clinic or ward

No evaluation done

Others (Please specify)

36. Who evaluates the surgical trainees in your program? (Choose all that is applicable)

External Faculty

Faculty Member from the same department

Program director

Peers

Other staffs (i.e. nurses, ancillary staff etc)

Others (Please specify)

Not Applicable

37. Which organization is responsible for evaluating the surgical trainees in your program? (Choose all that is applicable)

University/Medical School

Accreditation Council

My Hospital

Surgical Society

Others (Please specify)

Not Applicable

38. How are surgical educators (Attendings) evaluated of their educational ability in your program? (Choose all that is applicable)

No evaluation done

Evaluation by the trainees

Evaluation by peers

Evaluation by other medical staffs (except surgeons)

Evaluation by hospital/university

Evaluation by governing body/Accreditation council

Others (Please specify)

39. Who is responsible for developing the core curriculum for surgical training in your department? (Choose all that is applicable)

Governing body

Local University

Head of the department

Residency Program director

Individual Faculty

Curriculum committee of the hospital

There is no (specific) surgical training curriculum

Other (please specify)

Training in Surgical Education

40. Have you ever published a paper on a surgical education topic?

No

Yes (please enter the number of publications in the box below)

41. Have you had formal training in education research?

No

Yes (Please enter years in the comment box below)

42. Do you agree with the statement:

It is important for surgeons involved in teaching to have training as educators?

Totally Agree

Agree

Neither Agree or Disagree

Disagree

Totally Disagree

Not Applicable

43. Have you ever participated in any of the following formal training experiences in Surgical Education? (Chose all that apply)

Master in education

PhD in education

Postgraduate degree

Department training course for teaching surgeons

Institution (medical school) training course for teaching surgeons

National organization training course for teaching (course taken in same country)

International organization training course for teaching (course taken abroad)

Industry-sponsored training course

No, I have not received such training

Other (please specify)

Training experience

44. Who paid for your participation in these training experiences?

Free of cost

My employer

Self

Industry

Other (please specify)

45. What did the training course cover? (Choose all that is applicable)

Curriculum development

Performance assessment

Providing feedback to the learner

Program evaluation

Teaching in the OR

Teaching in clinic

Time management

Effective use of simulation

How to conduct education research

Supervision

Other (please specify)

46. How useful do you think this/these training program/s was/were in shaping your teaching performance?

Extremely useful

Very Useful

Moderately useful

Slightly useful

Not at all useful

Training in Surgical Education II

47. If you had the option, would you pursue further training to enhance your skills as a surgical educator?

Yes

No

Training in surgical education III

48. What topics would you like to see addressed in such training?

Curriculum development

Performance assessment

Providing feedback to the learner

Program evaluation

Teaching in the OR

Teaching in clinic

Time management

Effective use of simulation

How to conduct education research

Supervision

Other (please specify)

49. Do you see value in participating in an organization that is focused on surgical education and allows networking with surgeon educators around the world?

Yes

No

Unsure

50. How else could the Association for Surgical Education help you as a surgeon educator enhance your teaching skills and education in your country/region in general?

51. Other comments?