



Co-funded by the
Erasmus+ Programme
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Organ Donation Innovative Strategies for Southeast Asia

DIAGNOSIS STUDY REPORT



Index

EXECUTIVE SUMMARY 3

RESULTS 4

UNIVERSITY PERSONNEL 4

DEMOGRAPHIC DATA 4

EDUCATIONAL PROGRAMMES IN ORGAN DONATION 6

INTERNET ACCESS, COMPUTER FACILITIES AND DIGITAL LITERACY 9

POSTGRADUATE PROGRAMME IN ORGAN DONATION – TRAINERS 12

DEMOGRAPHIC DATA 12

EDUCATIONAL PROGRAMMES IN ORGAN DONATION 15

INTERNET ACCESS, COMPUTER FACILITIES AND DIGITAL LITERACY 18

SELF-ASSESSMENT OF CLINICAL AND NON-CLINICAL COMPETENCIES IN ORGAN DONATION 22

PERCEPTION AND ATTITUDE IN ORGAN DONATION 27

POSTGRADUATE PROGRAMME IN ORGAN DONATION – TRAINEES 31

DEMOGRAPHIC DATA 31

INTERNET ACCESS, COMPUTER FACILITIES AND DIGITAL LITERACY 34

SELF-ASSESSMENT OF CLINICAL AND NON-CLINICAL COMPETENCIES IN ORGAN DONATION 40

PERCEPTION AND ATTITUDE IN ORGAN DONATION 45

EXECUTIVE SUMMARY

ODISSeA - Organ Donation Innovative Strategies for Southeast Asia is an Erasmus+ project funded by the European Commission, with the aim to design and implement an academic Postgraduate Programme on Organ Donation (PPOD) in 8 Southeast Asian (SeA) universities from Malaysia, Myanmar, Philippines and Thailand, with the support of 3 European universities.

SeA has the lowest rate of organ transplantation and highest growing demand. The gap analysis in the SeA region highlights the need for a solid framework for deceased organ donation alongside legislation, healthcare reform and education.

Methodology

A descriptive, diagnostic and interventional study was conducted to provide an in-depth mapping of different key parameters.

It included existing educational programmes on organ donation in the local SeA universities, certification/accreditation procedures in place, learning methodologies employed, internet facilities, digital literacy, type of Learning Management Systems in use, self-assessment of clinical (n=21) and non-clinical competencies (n=18). The survey also included a set of key words and YES/NO questions to identify respondents' perception and attitude on organ donation. A Likert 5 scale score was used (1 (poor) to 5 (excellent)).

Target groups involved in the diagnosis study: SeA university personnel, SeA trainers and potential SeA PPOD trainees.

Results and conclusions

Out of the total of responses received (n=145), 8% were university personnel, 24% trainers and 68% potential PPOD future trainees. Data showed scarcity of training in organ donation in SeA partner universities, with 6.25% at University level. Despite the fact that online/blended training is widely used nowadays, results show that in the partner SeA universities, there is a trend of face-to-face training (76,92%), rather than online/blended, which highlights the innovative approach and added value of ODISSeA project. Comparing self-assessment results among trainers (n=33) and trainees (n=86) in clinical competencies (n=21), 37% vs 54% scored poor to average while 30% vs 20% scored very good to excellent. The overall average score was 2.91 ± 0.39 SD vs 2.49 ± 0.31 SD respectively.

In non-clinical competencies (n=18), 19% vs 35% scored poor to average while 49% vs 25% scored very good to excellent. The overall average score was 3.43 ± 0.67 SD vs 2.83 ± 0.48 SD respectively.

Both trainers and trainees defined organ donation as respectful (84.85% vs 77.01%) and positive (78.79% vs 64.37%) and reported a positive attitude about organ donation after death (80% vs 90.9%).

The innovative approach of ODISSeA as a multilevel educational intervention revealed different results between trainers vs trainees on perception and attitude, clinical vs non-clinical competencies. Both clinical and non-clinical competencies showed a higher self-assessment score on very good to excellent for trainers.



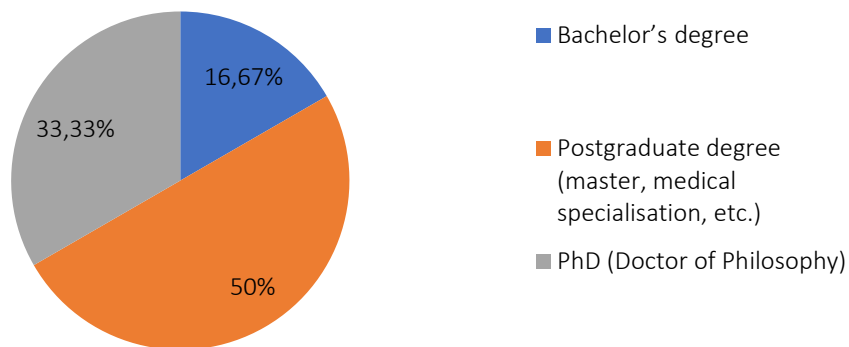
RESULTS

UNIVERSITY PERSONNEL

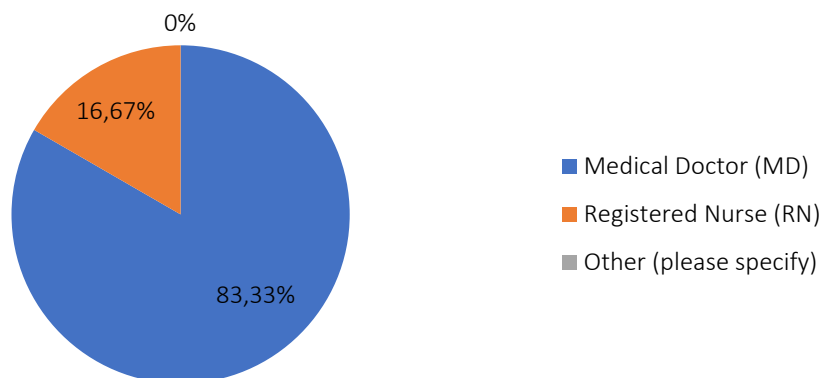
DEMOGRAPHIC DATA

A total of 12 members of the partner SeA Universities answered the questionnaire.

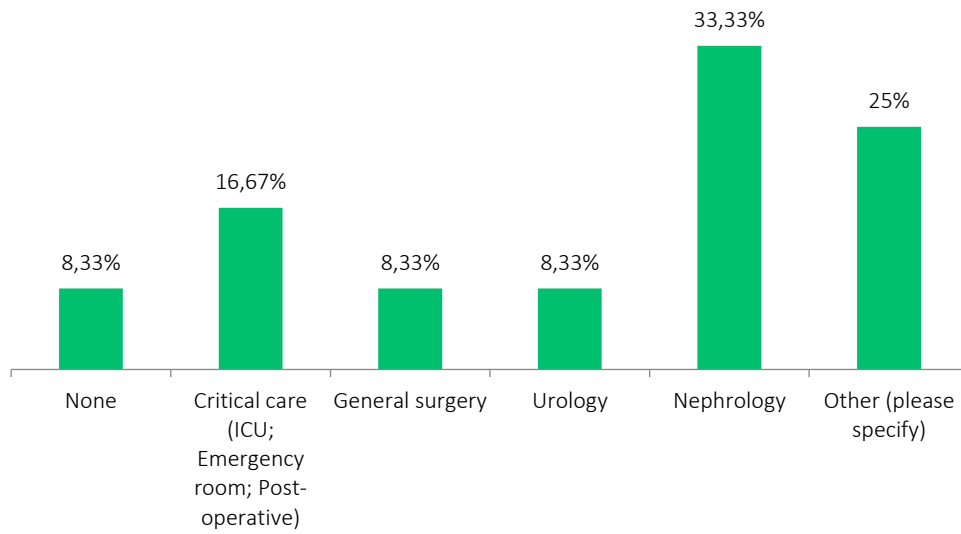
What is the highest level of education you have completed?



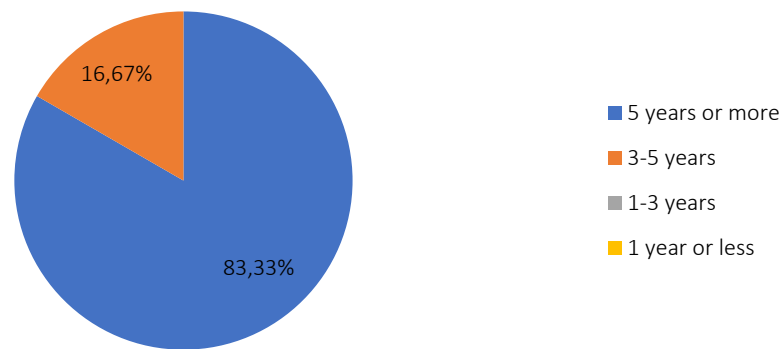
What is your background?



What is your speciality?



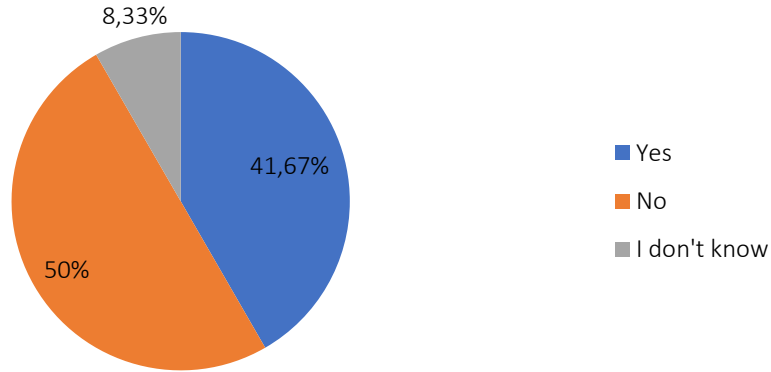
How many years of experience do you have in your current field of work?



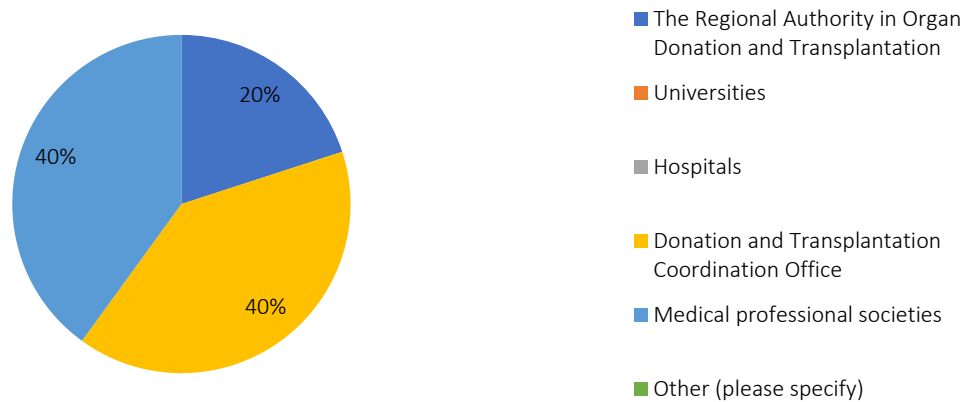


EDUCATIONAL PROGRAMMES IN ORGAN DONATION

Are there any educational programmes on organ donation offered in your region?

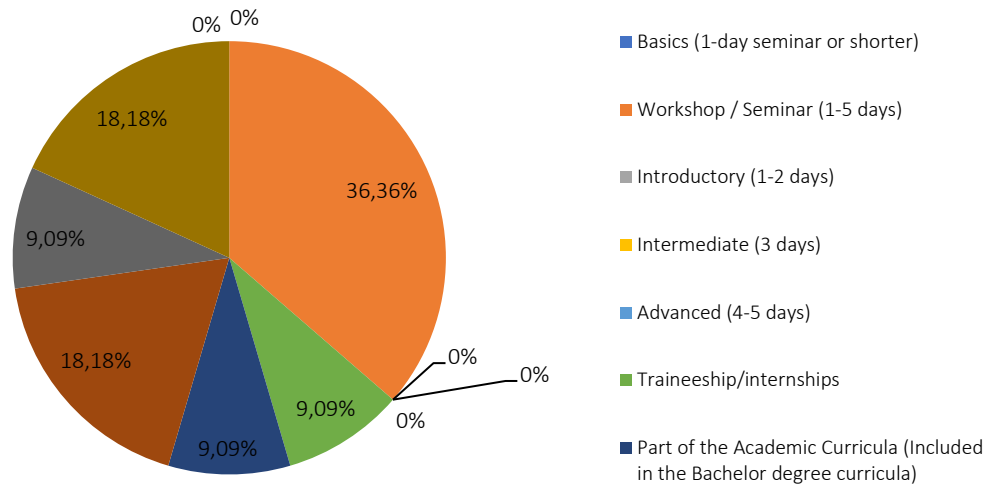


If you answered "Yes" in the previous question: Who offers these educational programmes?

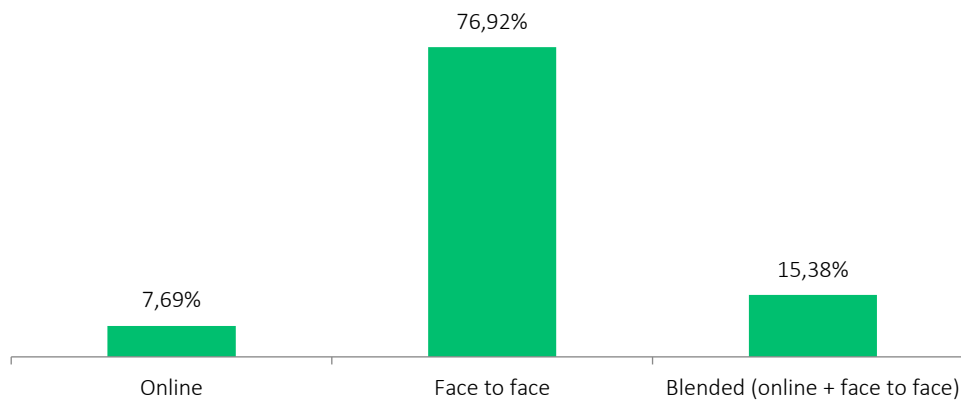




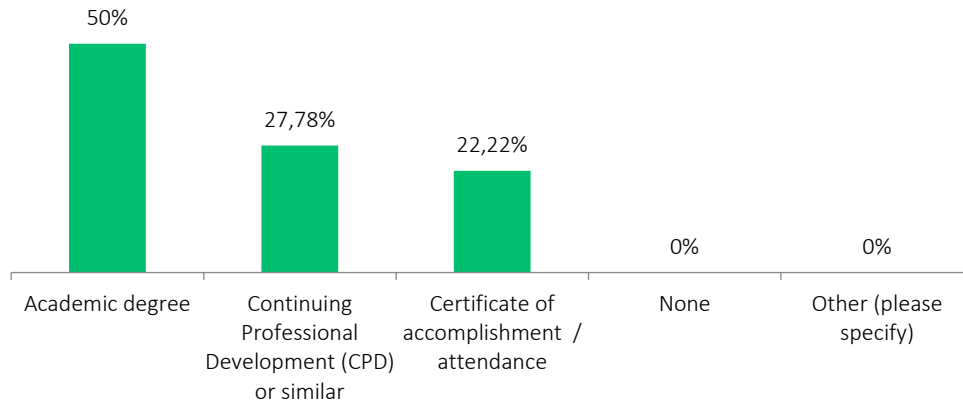
At what level of expertise are the educational programmes provided?



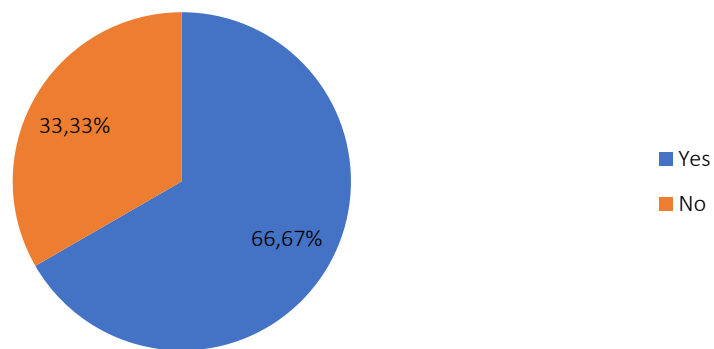
What type of educational methodology is employed by the university?



What type of certifications are offered by the university?



Does your university use an academic credit system?



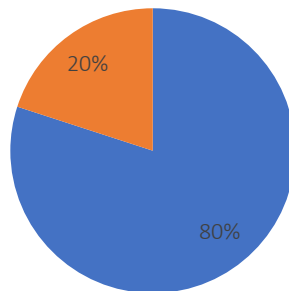


INTERNET ACCESS, COMPUTER FACILITIES AND DIGITAL LITERACY

Does your university have an Internet connection?

The response was 100% “Yes”.

What type of Internet connection do you use on an ordinary basis?



■ Wi-Fi ■ Wire

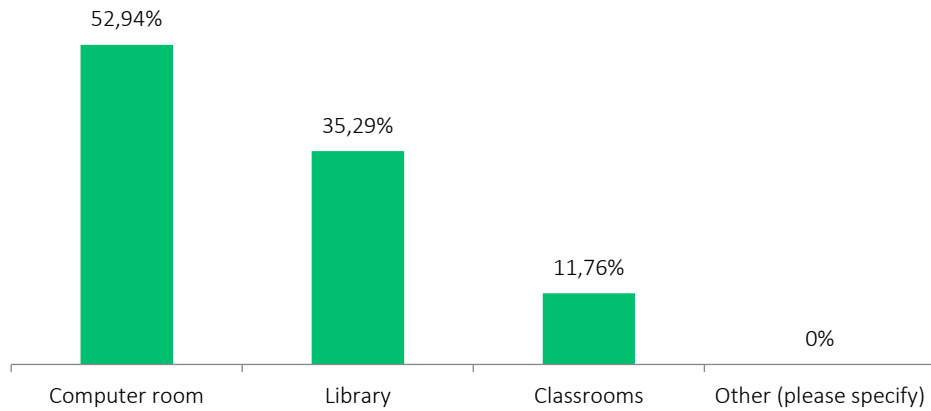
Can it be accessed for free by students within the university campus?

The response was 100% “Yes”.

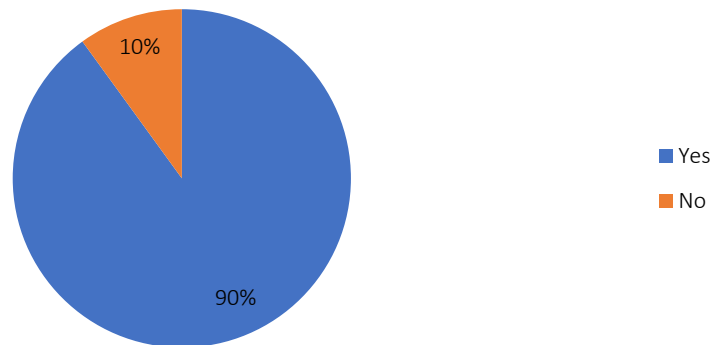
Does your university provide students with free access to computer facilities?

The response was 100% “Yes”.

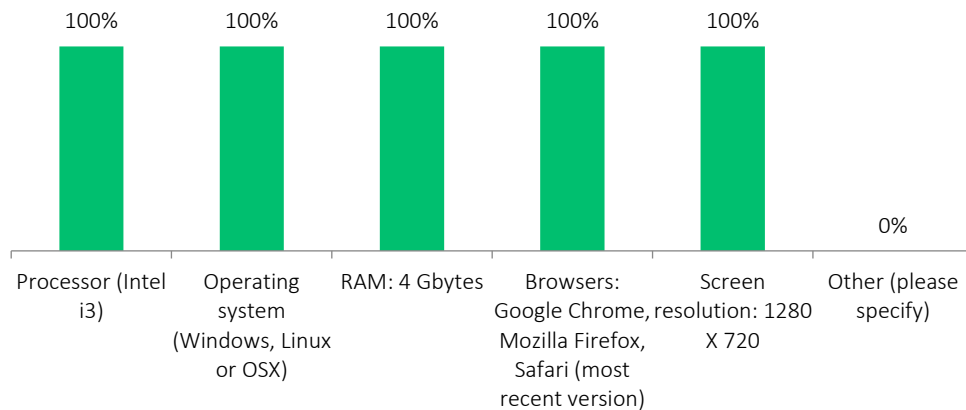
If you answered "Yes" in the previous question: Where exactly?



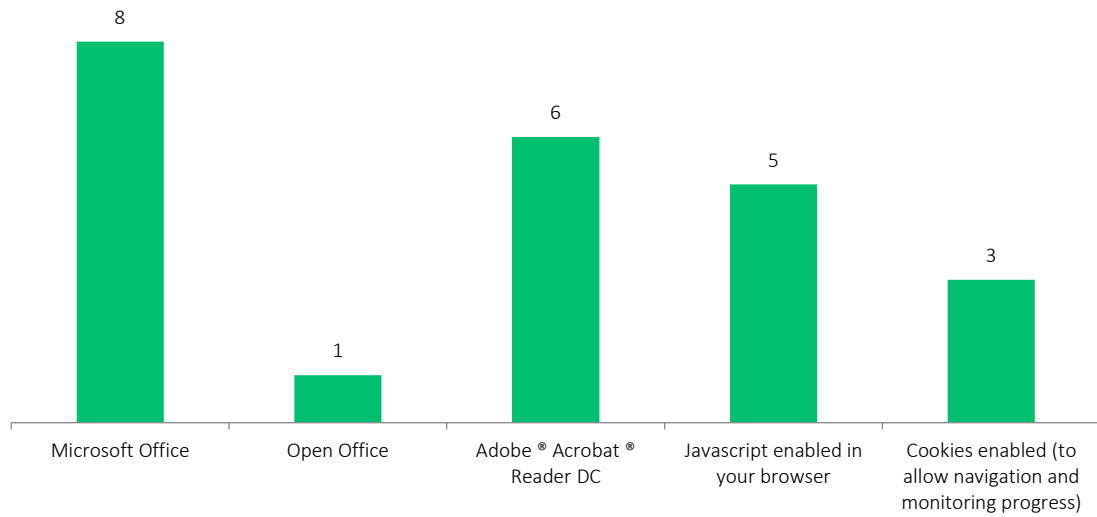
Are computers connected to the Internet?



Do computers meet all the minimum requirements listed below?



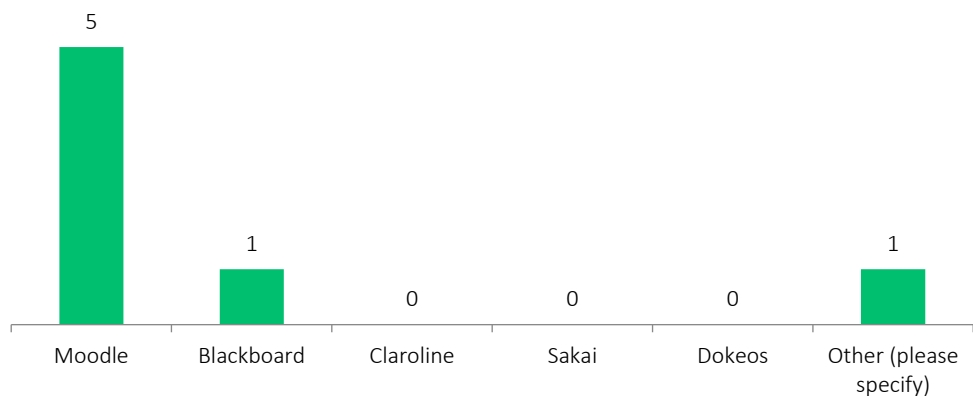
What software programmes are used by your university?



Is there any Learning Management System (LMS) used by your university?

- Yes = 7
- No = 3 (Universiti Teknologi Mara, University Santo Tomas, University of Medicine Yangon)

If you answered "Yes" in the previous question: Which type of LMS do you use?



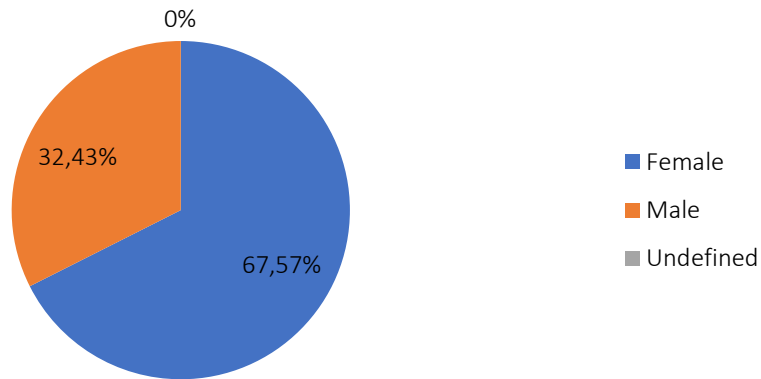


POSTGRADUATE PROGRAMME IN ORGAN DONATION – TRAINERS

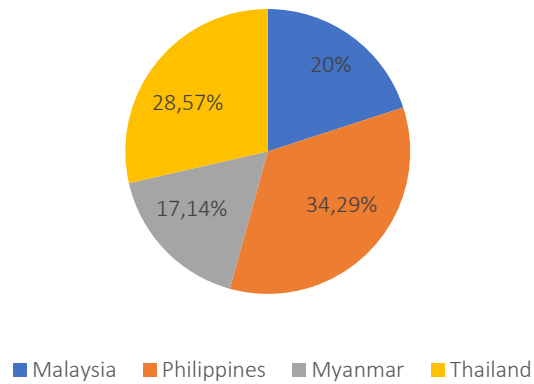
DEMOGRAPHIC DATA

A total of 35 trainers answered the questionnaire.

Gender

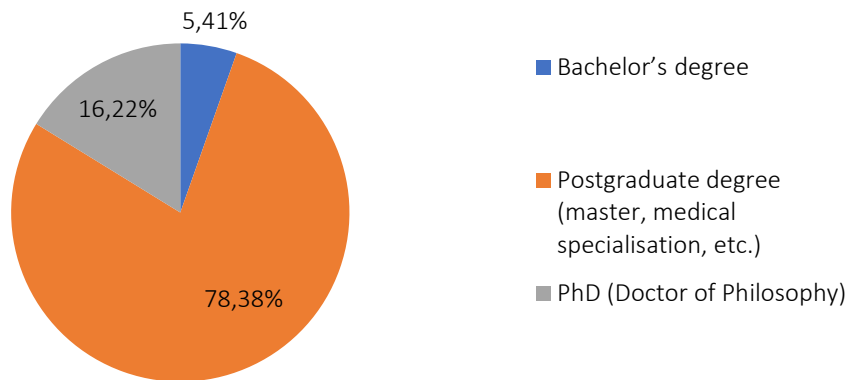


Country of origin

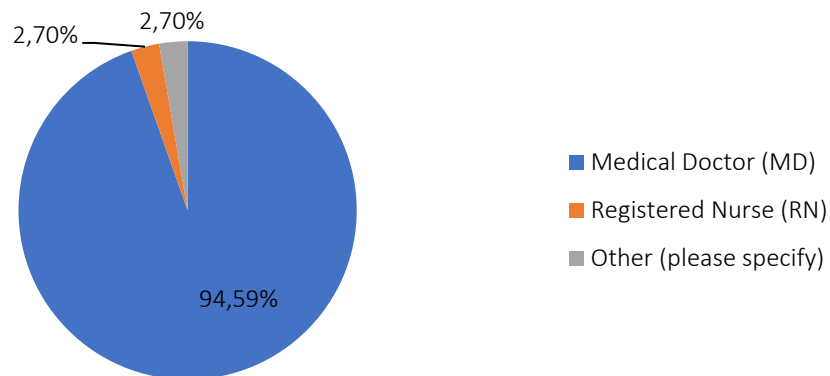




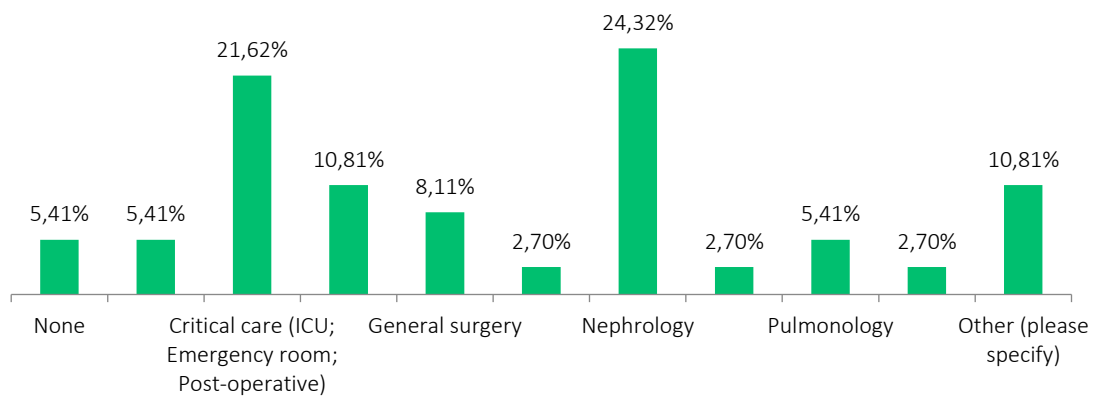
What is the highest level of education you have completed?



What is your background?

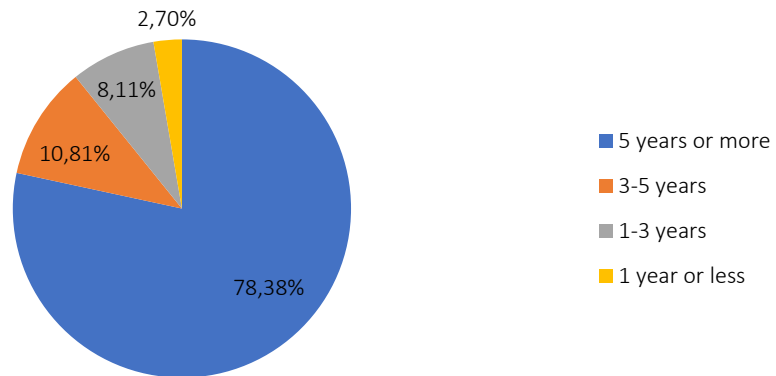


What is your Specialty?





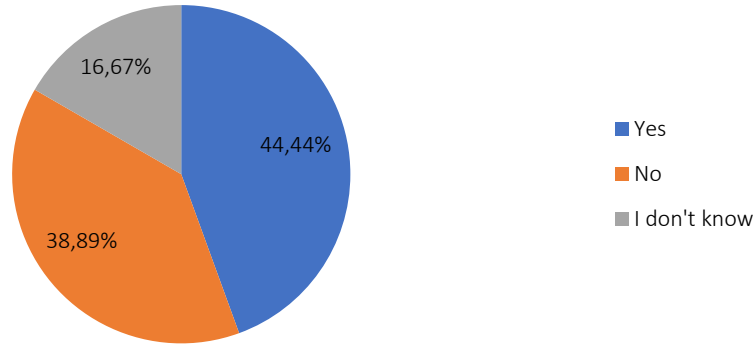
How many years of experience do you have in your current field of work?



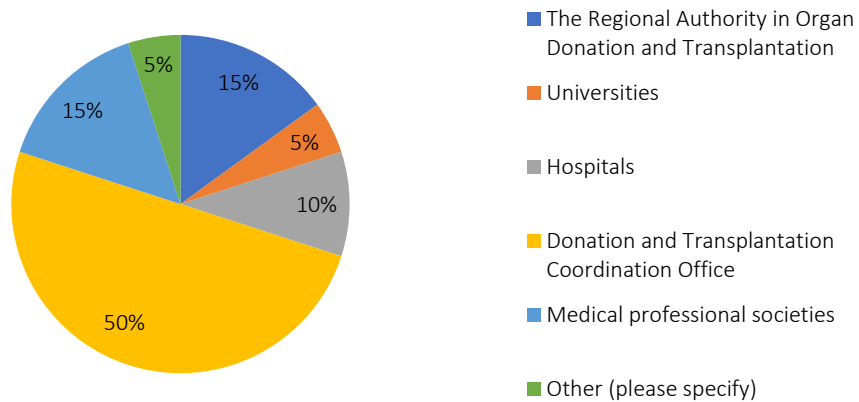


EDUCATIONAL PROGRAMMES IN ORGAN DONATION

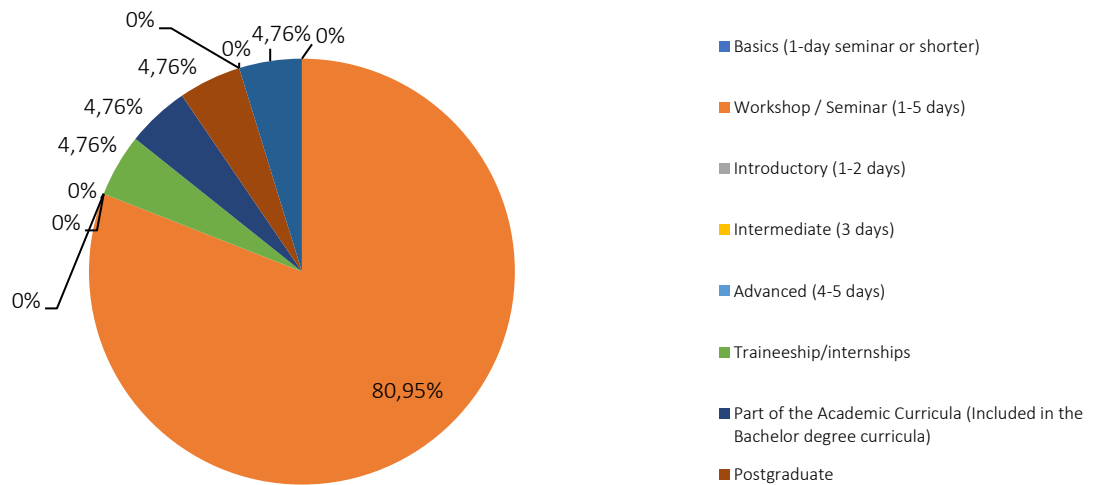
Are there any educational programmes on organ donation offered in your region?



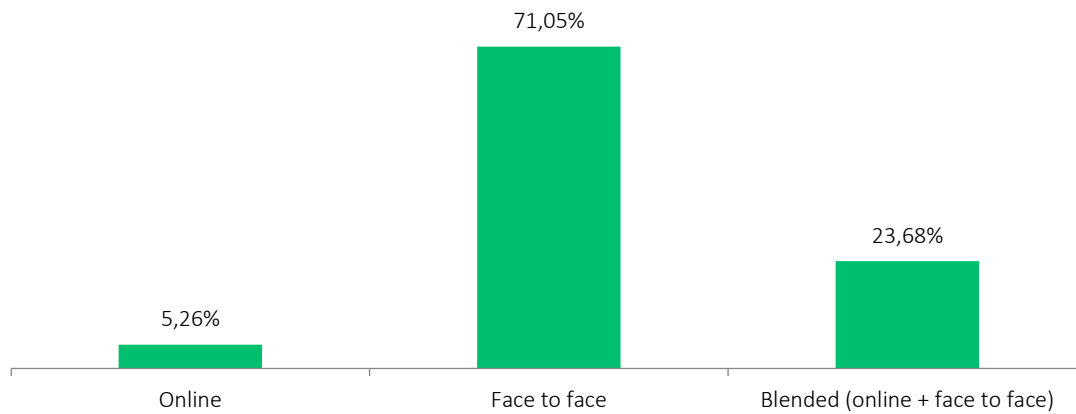
If you answered "Yes" in the previous question: Who offers these educational programmes?



At what level of expertise are the educational programmes provided?

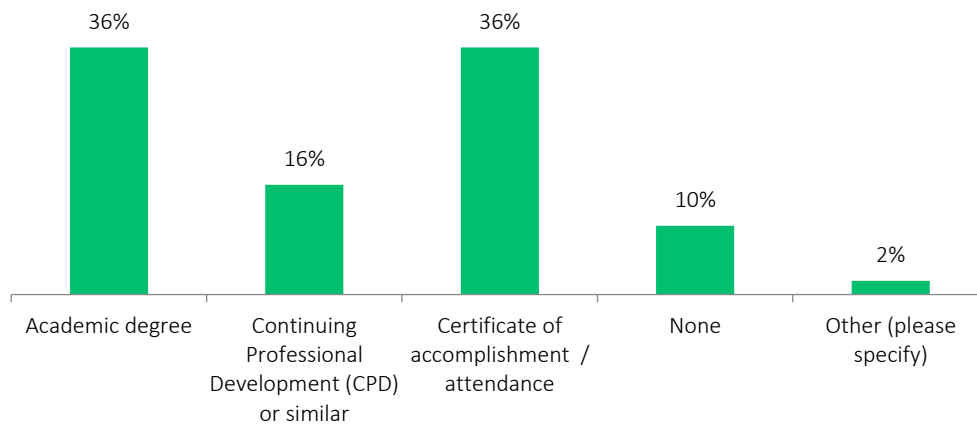


What type of educational methodology is employed by the university?

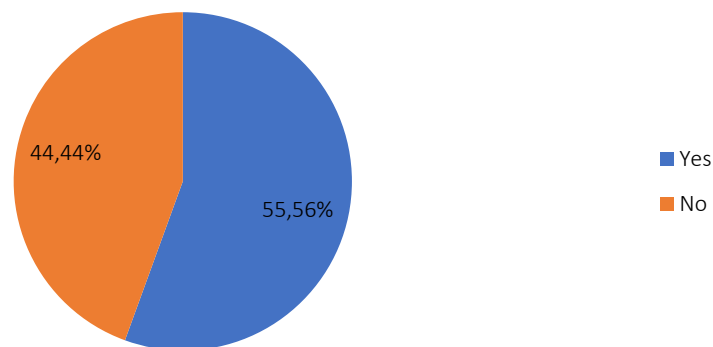




What type of certifications are offered by the university?



Does your university use an academic credit system?



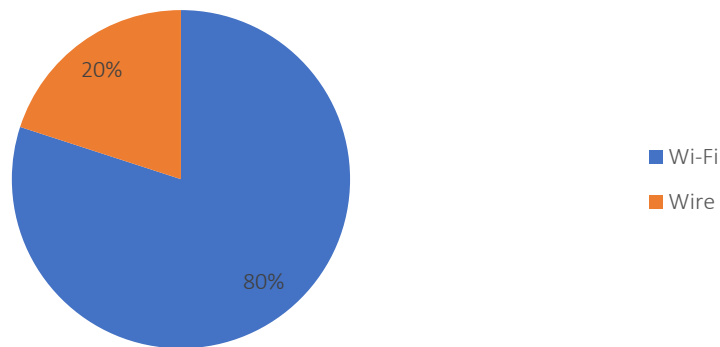


INTERNET ACCESS, COMPUTER FACILITIES AND DIGITAL LITERACY

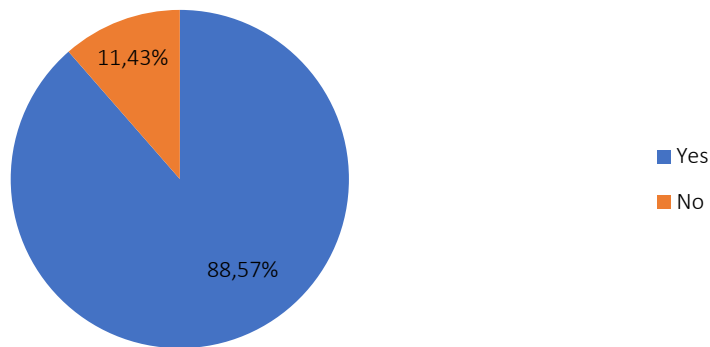
Does your university have an Internet connection?

The response was 100% “Yes”.

What type of Internet connection do you use on an ordinary basis?

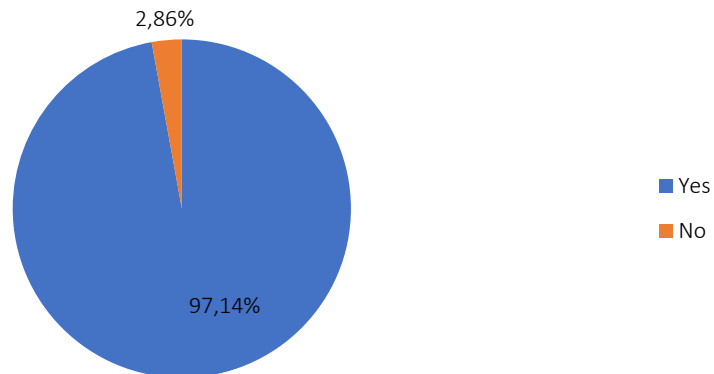


Can Internet be accessed for free by students within the university campus?

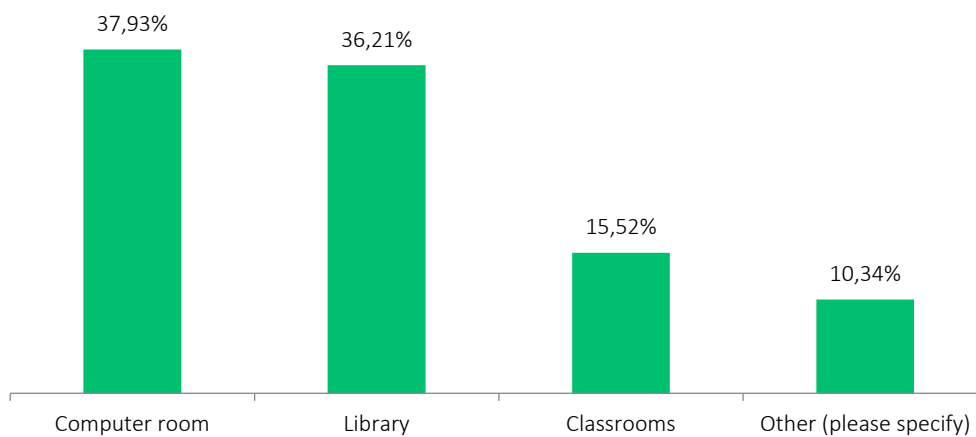




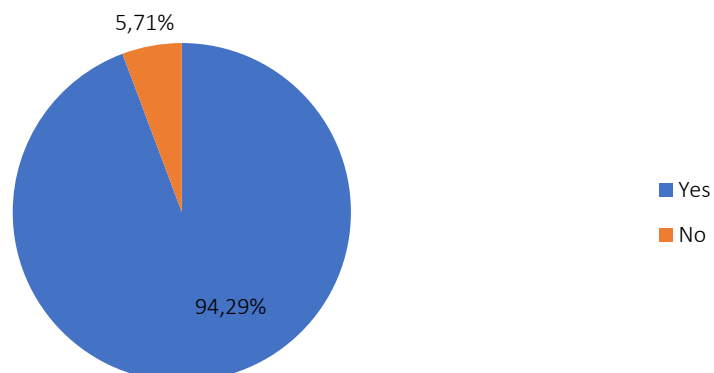
Does your university provide students with free access to computer facilities?



If you answered "Yes" in the previous question: Where exactly?

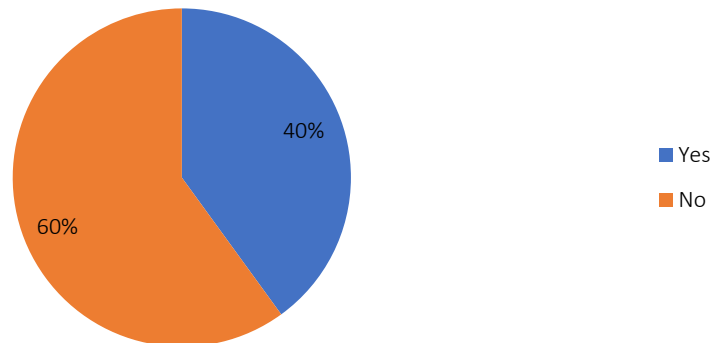


Are computers connected to the Internet?

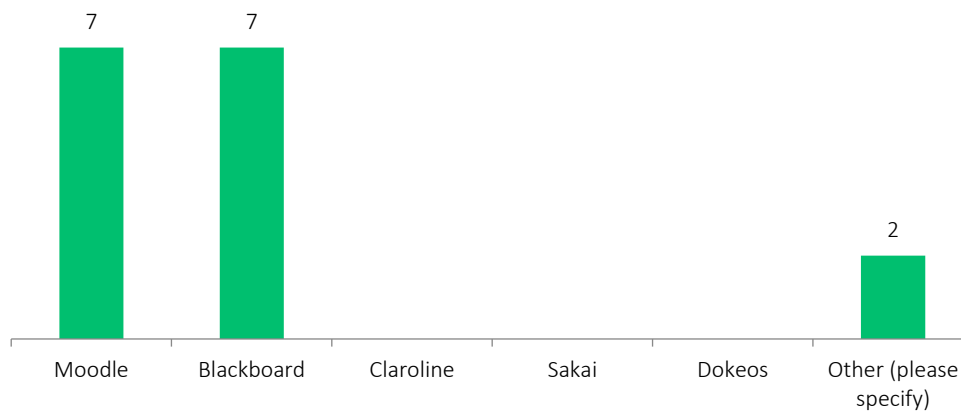




Is there any Learning Management System (LMS) used by your university?



If you answered "Yes" in the previous question: Which type of LMS do you use?

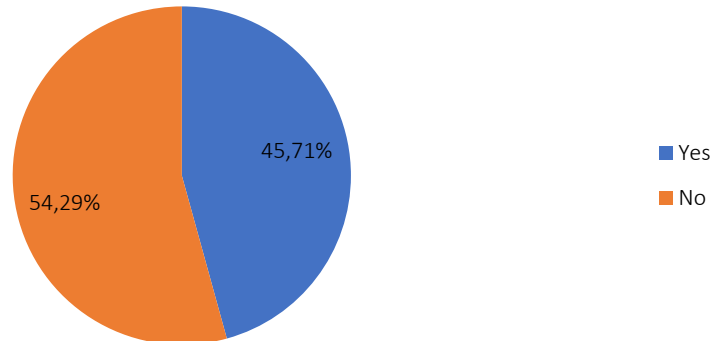


Do you have an internet data connection on your mobile phone?

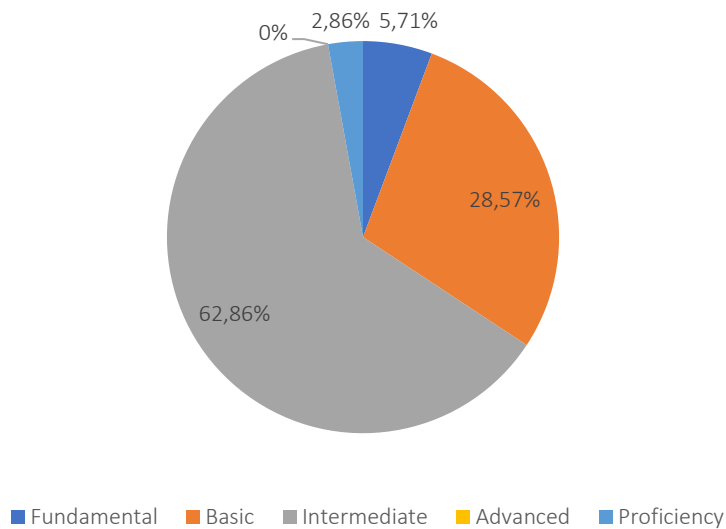
The response was 100% "Yes".



Does your university offer any training on digital literacy (computer and digital skills)?



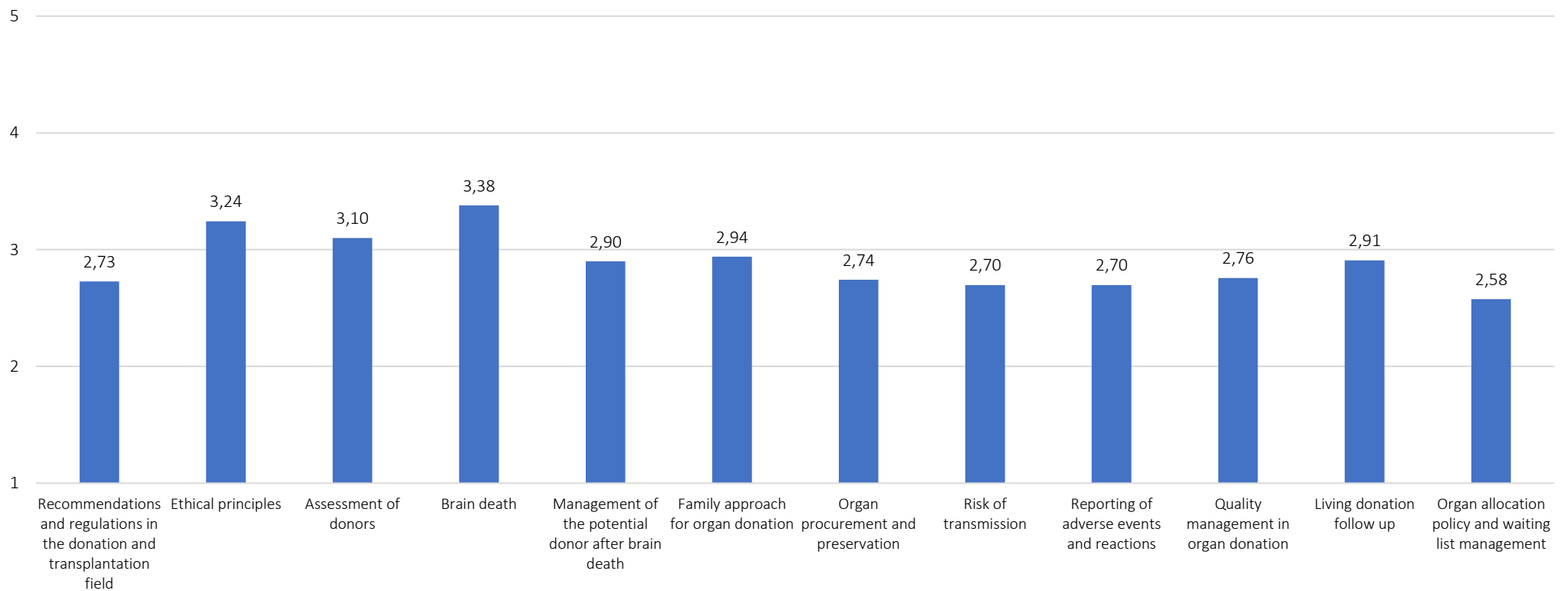
Rate your computer skills (internet, software, programmes, multimedia, etc.)



SELF-ASSESSMENT OF CLINICAL AND NON-CLINICAL COMPETENCIES IN ORGAN DONATION

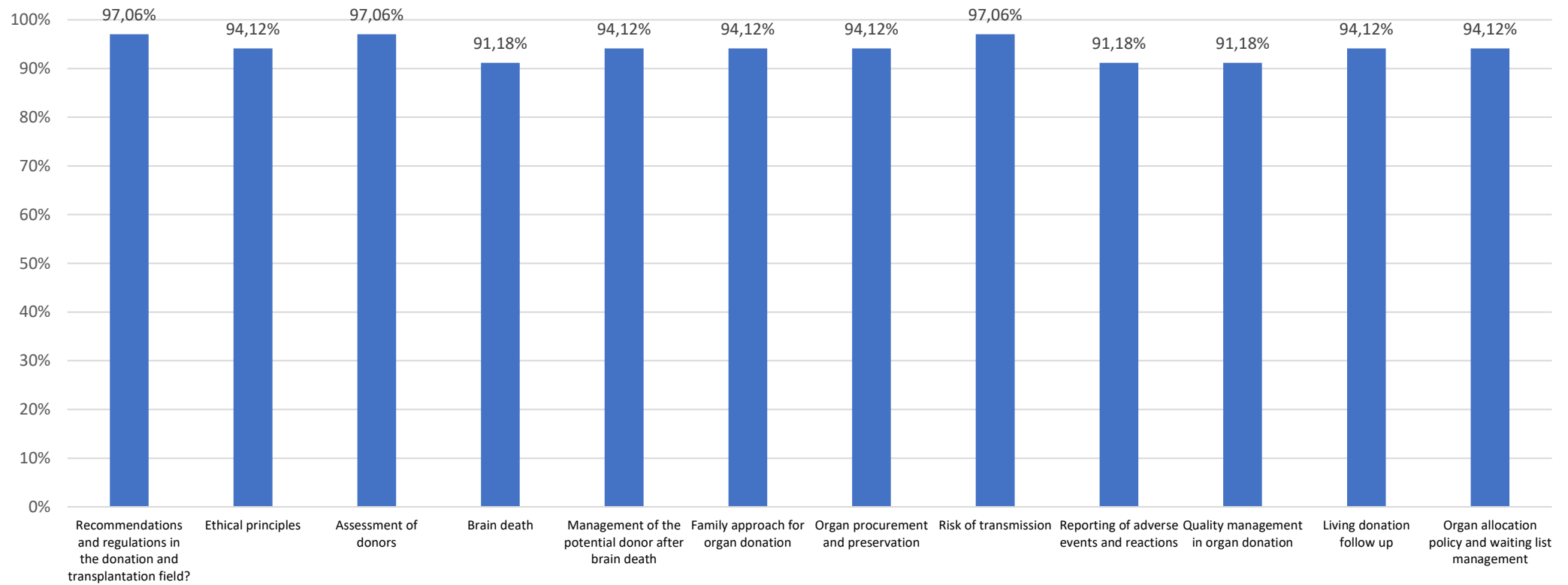
Clinical competencies - Topics you already received training in (from 1-Poor to 5-Excellent)

Result is given as an average score.



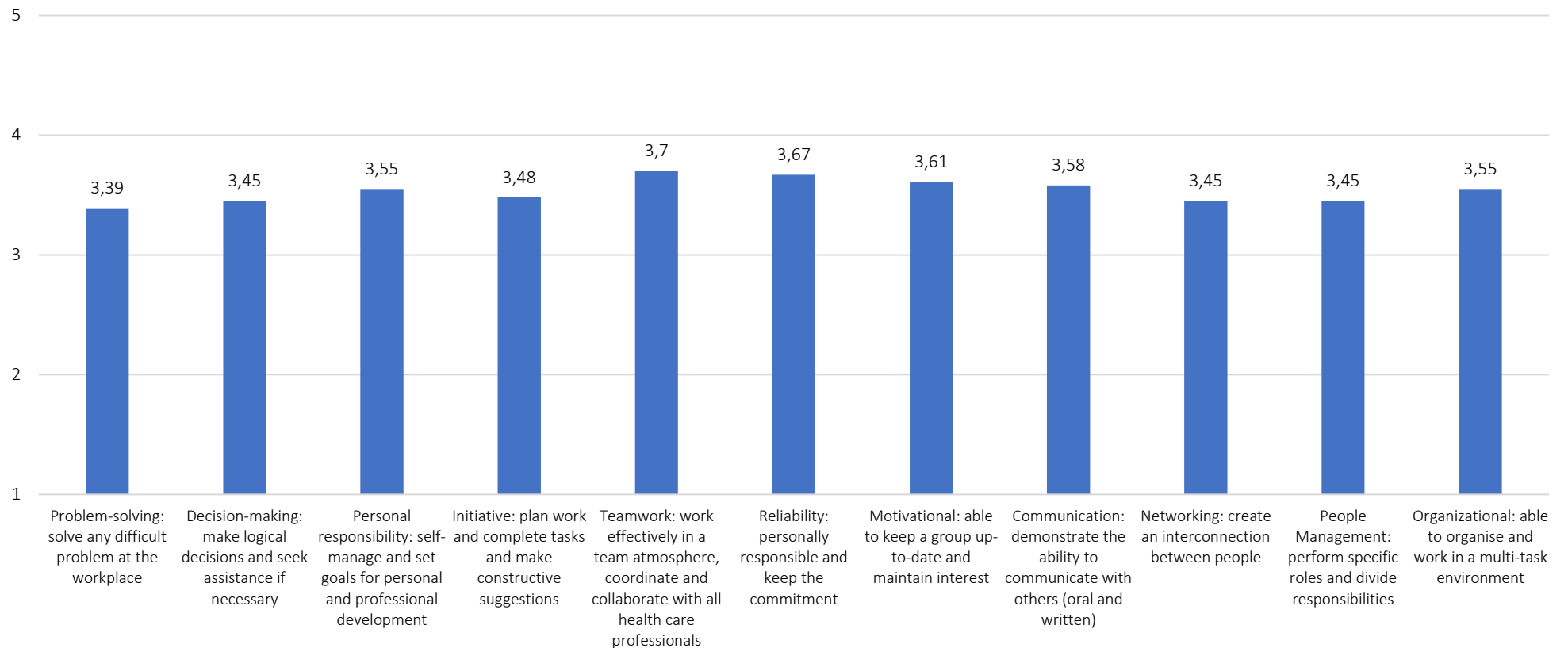
Clinical competencies - Please, indicate if you are interested in receiving training in the following topics.

"Yes" Percentage



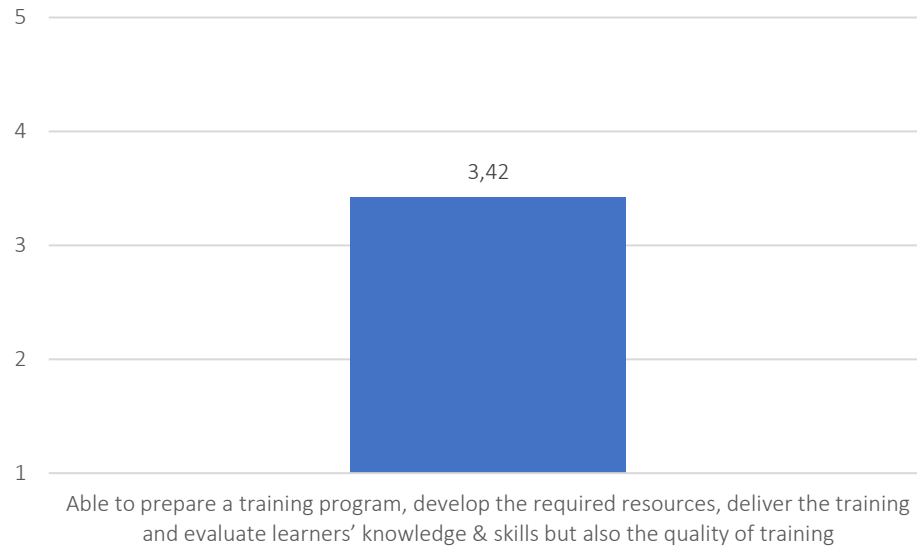
Non-clinical competencies - Topics you already received training in (from 1-Poor to 5-Excellent)

Result is given as an average score.

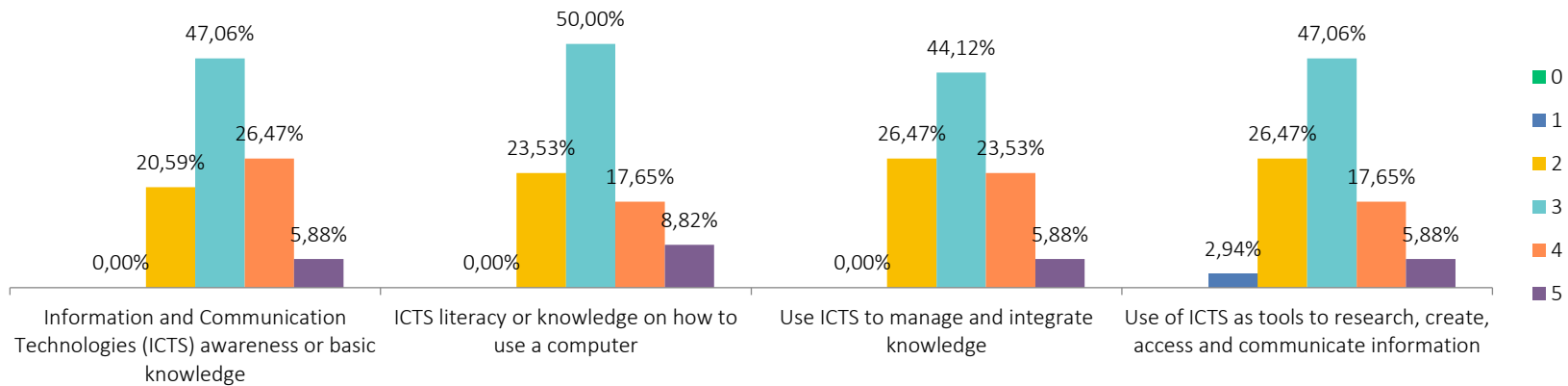
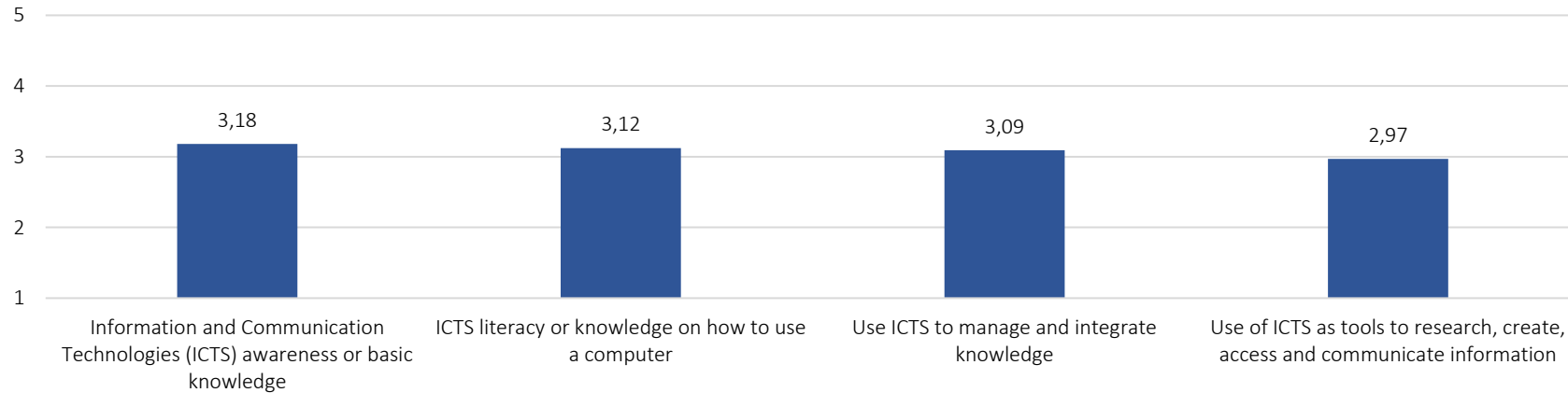




Training skills



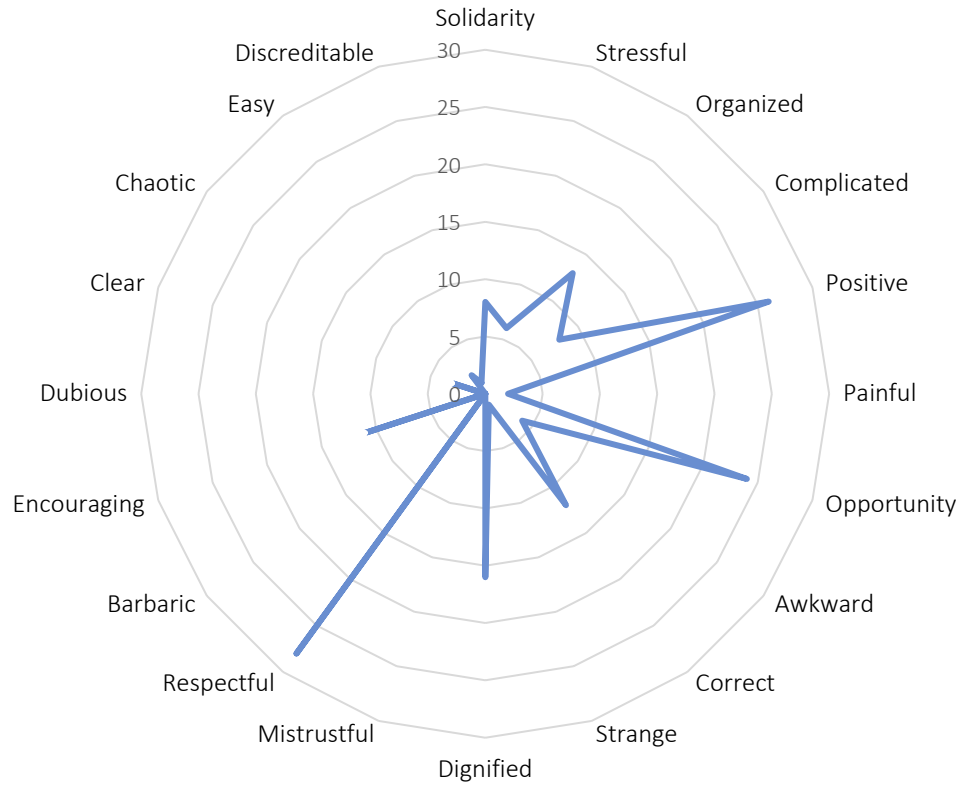
Information and Communication Technologies used for teaching/ learning





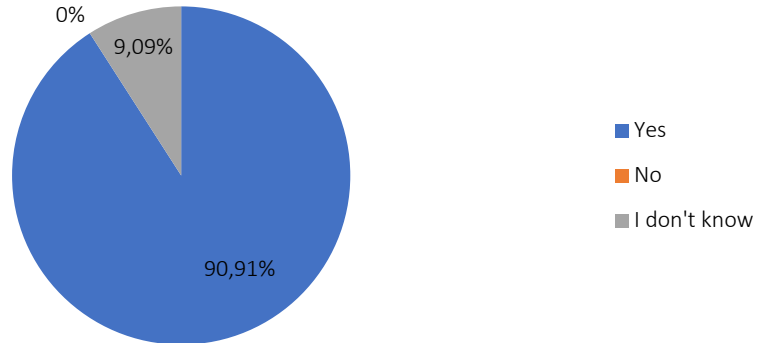
PERCEPTION AND ATTITUDE IN ORGAN DONATION

What is your PERCEPTION of organ and tissue donation? Please, choose 5 of these terms that best describe for you the process of donation after brain death:

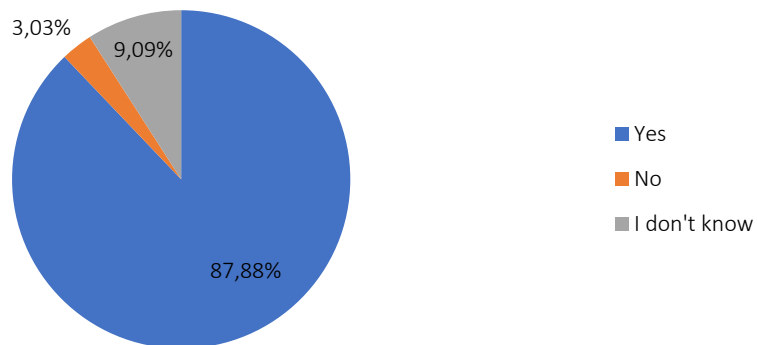




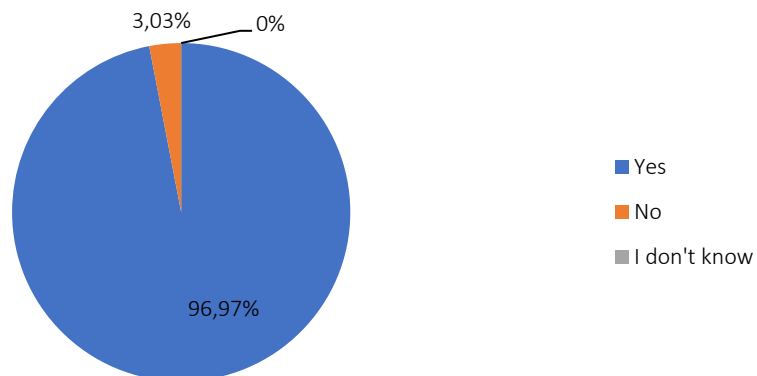
Would you donate your organs after death?



Would you give your consent to a relative donating their organs after death?

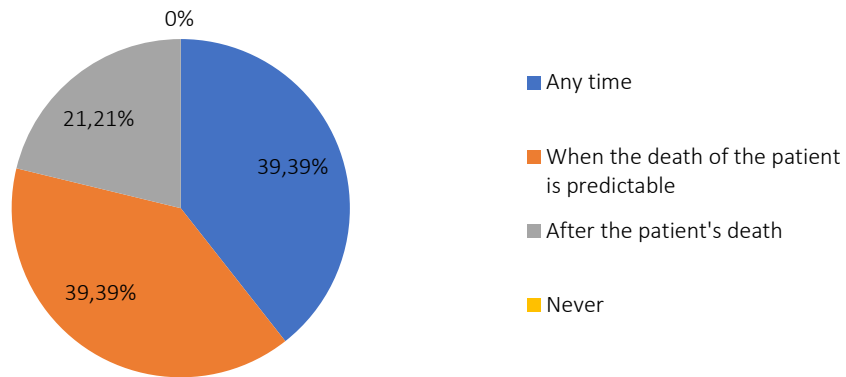


Do you think organ and tissue donation should be part of the end of life care?

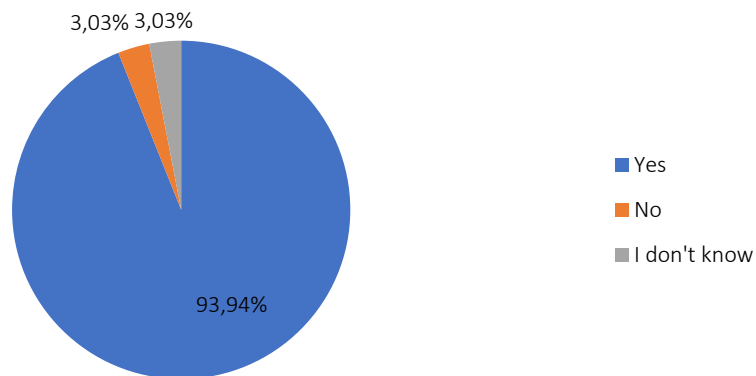




When do you consider that it is the most appropriate moment to talk about organ and tissue donation?

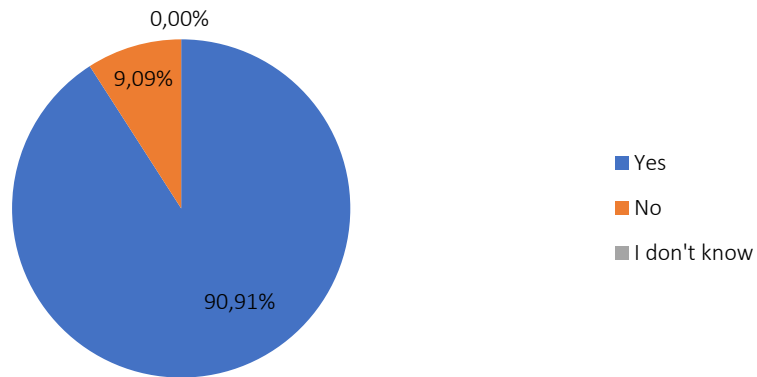


Do you agree with the admission to the Intensive Care Unit (ICU) of patients with devastating injuries in whom the treatment has been deemed futile, for the sole reason of facilitating organ and tissue donation?





Do you consider appropriate to employ the same resources to maintain a potential brain-dead donor as in any other critical patient?



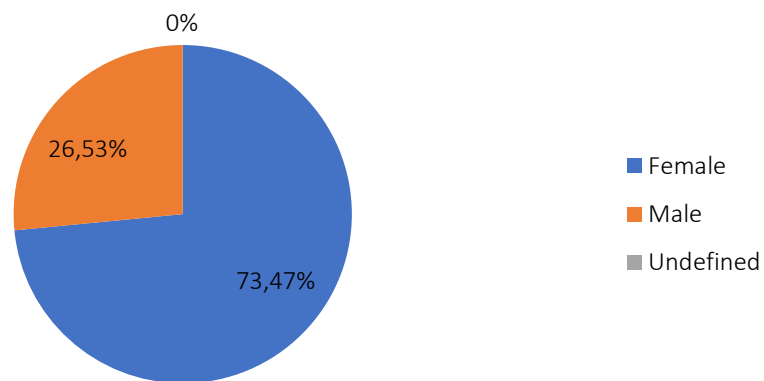


POSTGRADUATE PROGRAMME IN ORGAN DONATION – TRAINEES

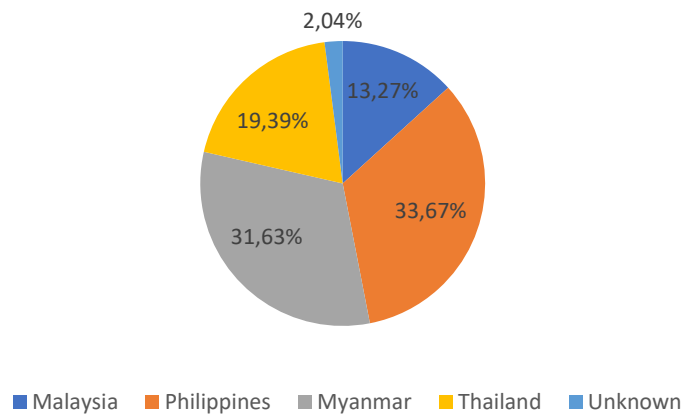
DEMOGRAPHIC DATA

A total of 98 trainees answered the questionnaire.

Gender

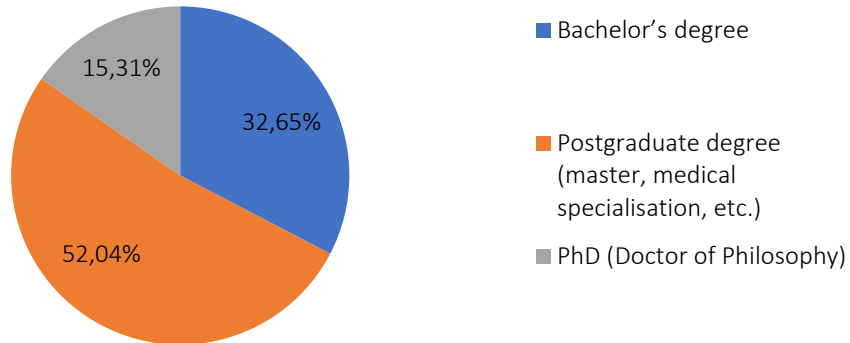


Country of origin

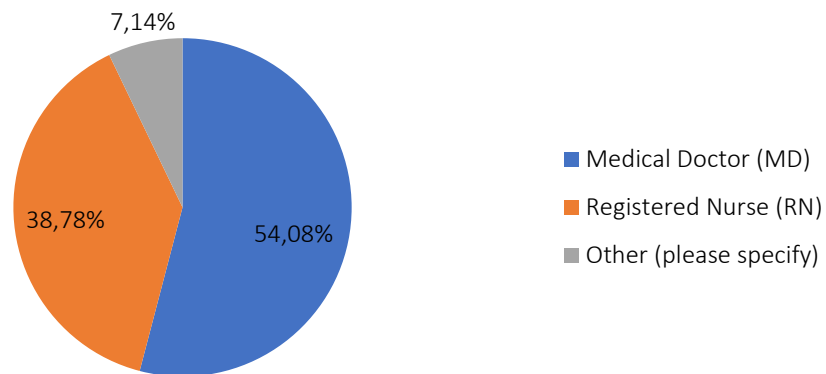




What is the highest level of education you have completed?

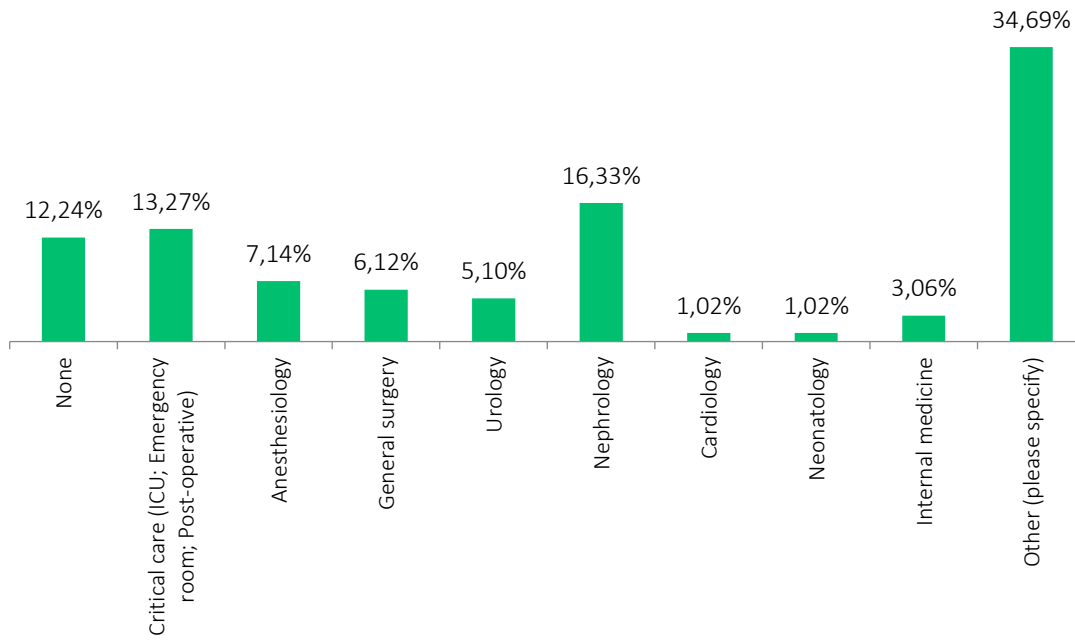


What is your background?

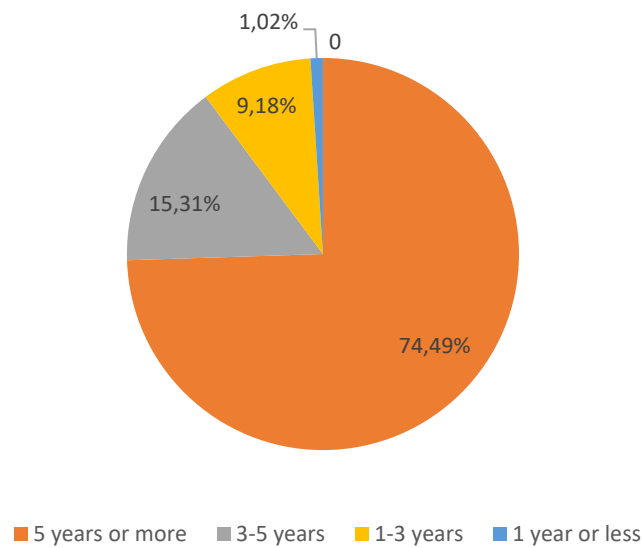




What is your speciality?



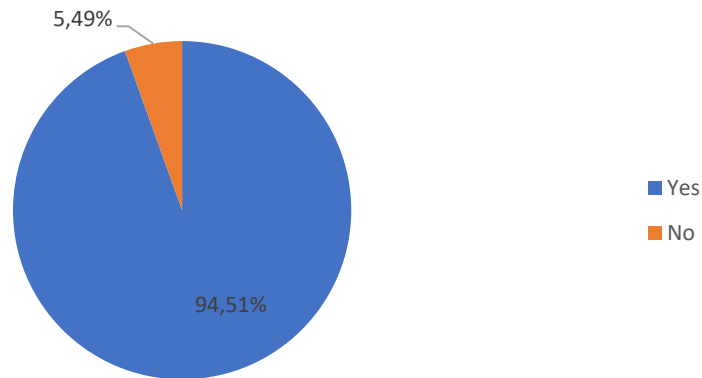
How many years of experience do you have in your current field of work?



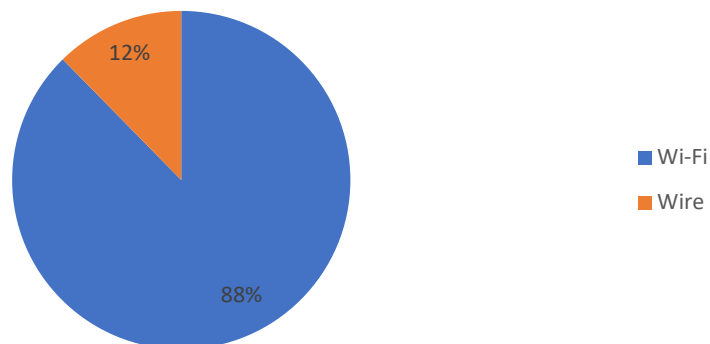


INTERNET ACCESS, COMPUTER FACILITIES AND DIGITAL LITERACY

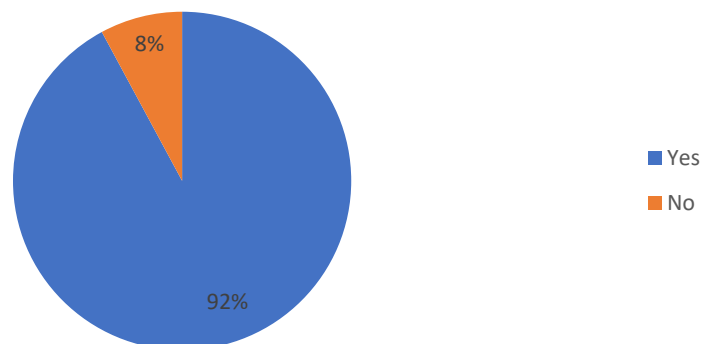
Does your university have an Internet connection?



What type of Internet connection do you use on an ordinary basis?

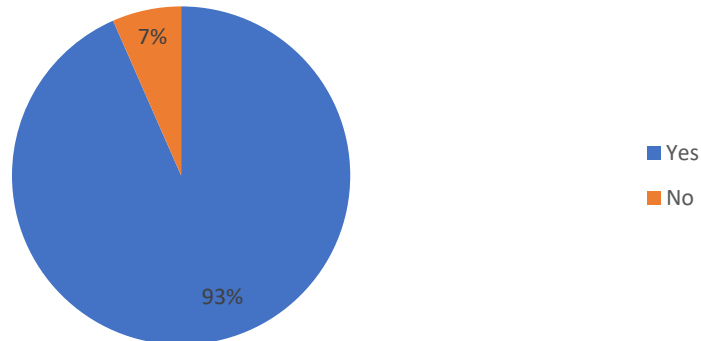


Can Internet be accessed for free by students within the university campus?

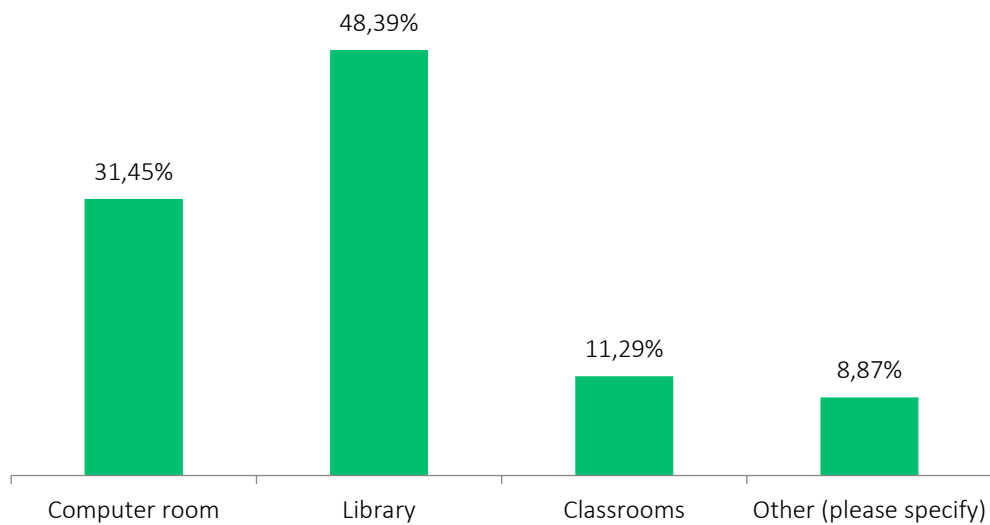




Does your university provide students with free access to computer facilities?



If you answered "Yes" in the previous question: Where exactly?

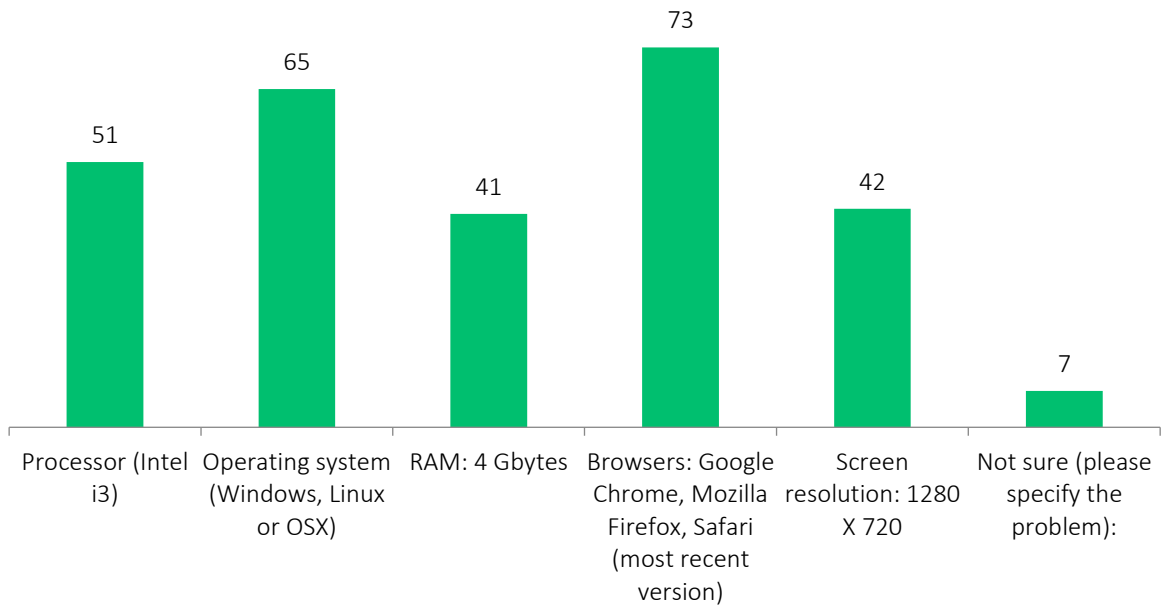


Are computers connected to the Internet?

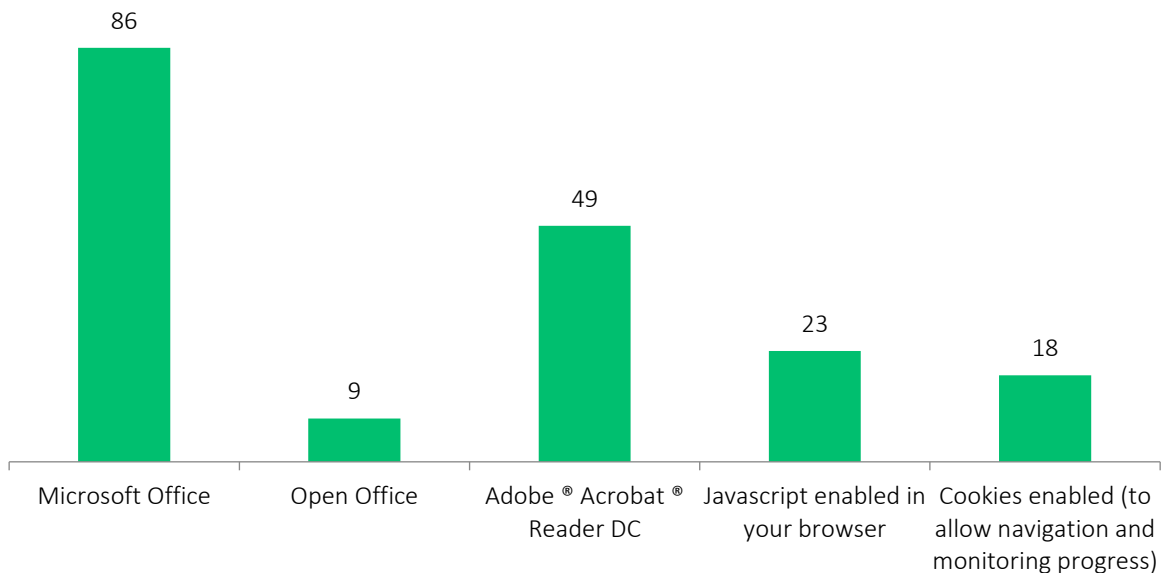
The response was 100% "Yes".



Do computers meet all the minimum requirements listed below?

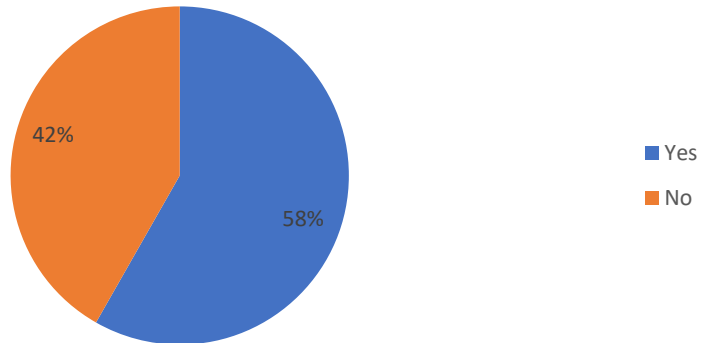


What software programs are used by your university?

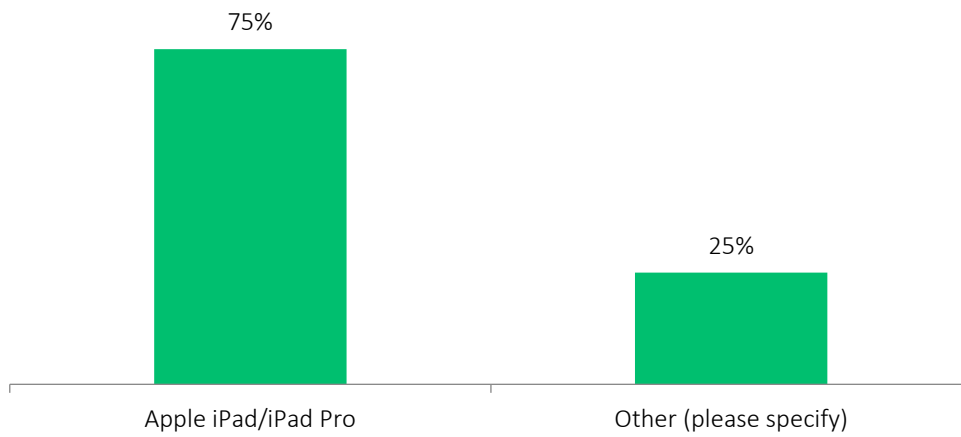




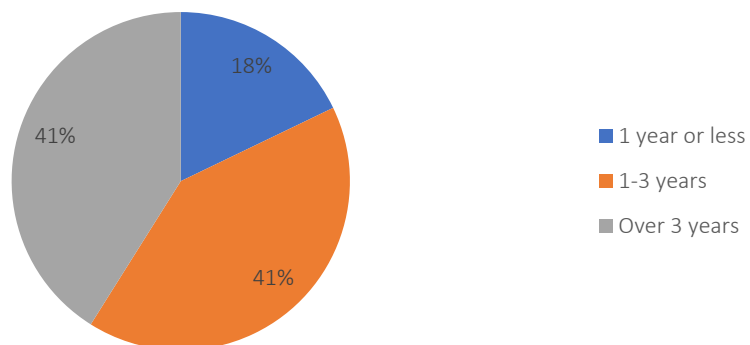
Do you have a Tablet with an internet connection?



What type of tablet do you have?



How old is the tablet (more or less)?

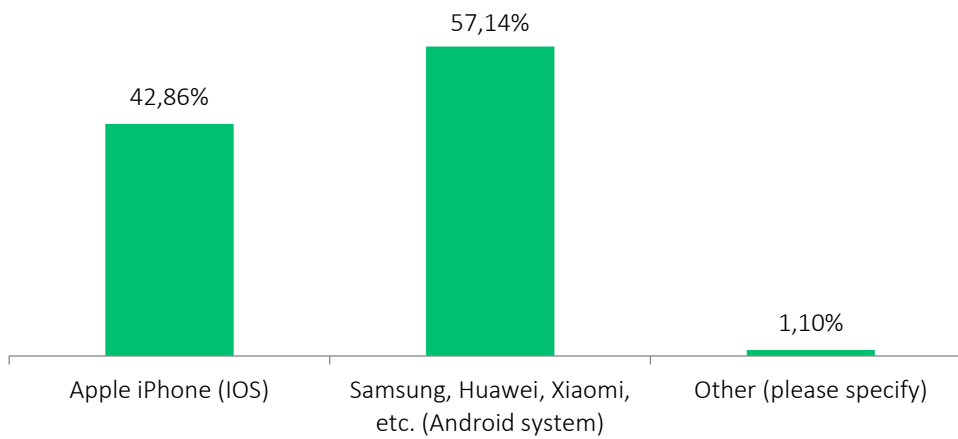




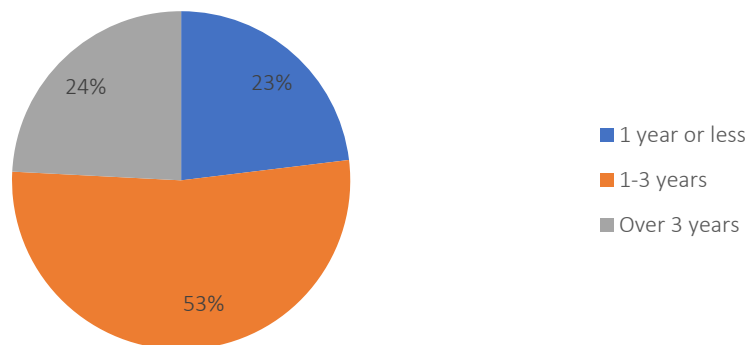
Do you have an internet data connection on your mobile phone?

The response was 100% "Yes".

What type of phone do you have?

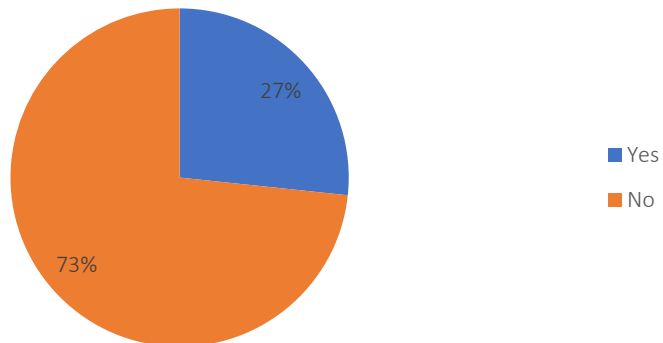


How is old your phone?

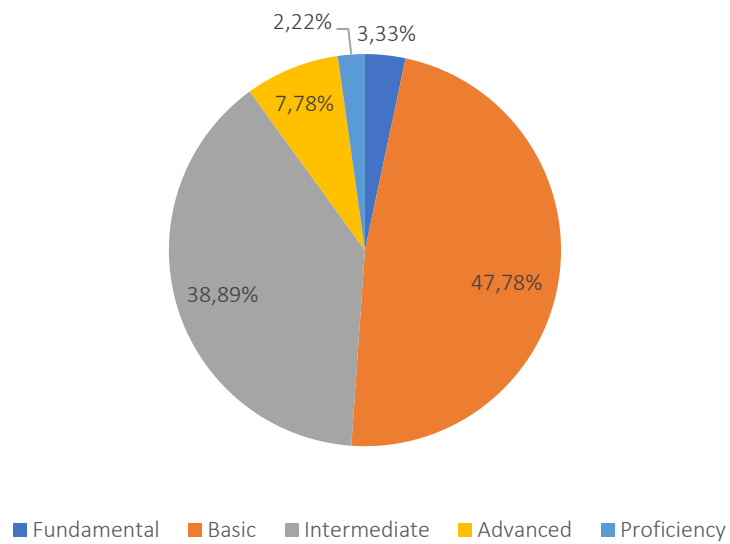




Does your university offer any training on digital literacy (computer and digital skills)?



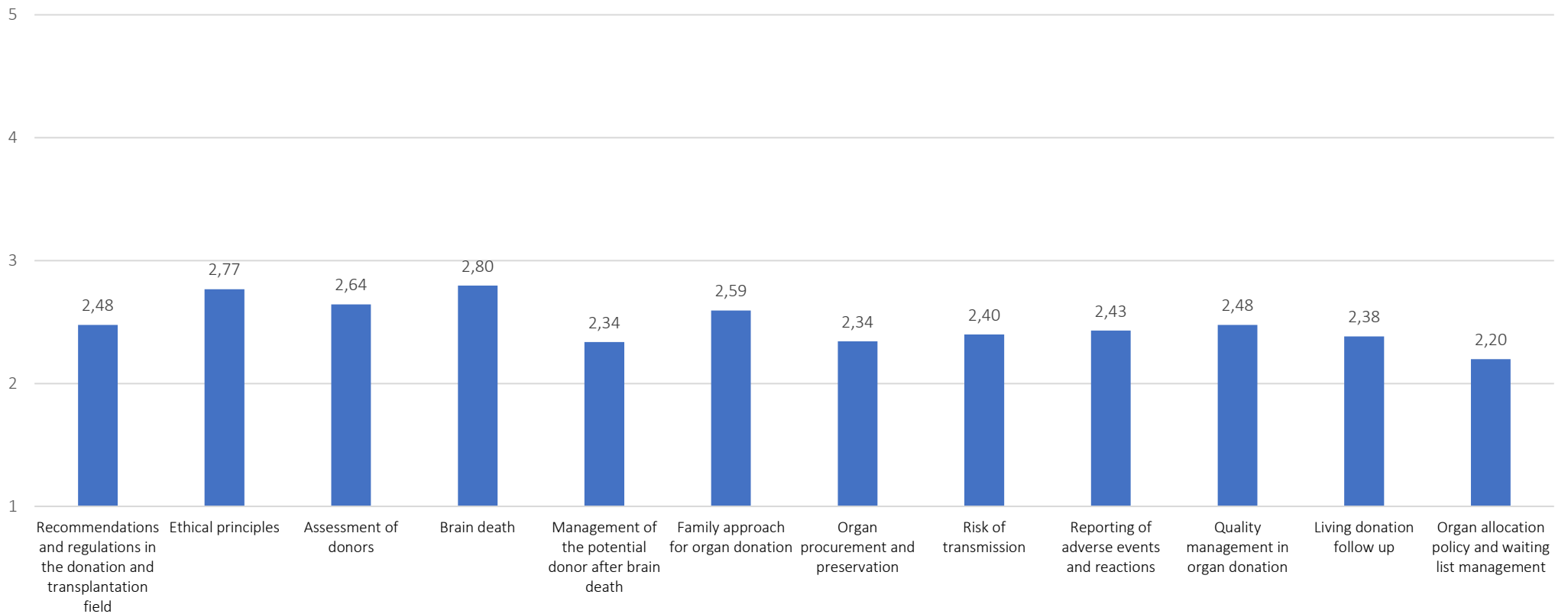
Rate your computer skills (internet, software, programs, multimedia, etc.)



SELF-ASSESSMENT OF CLINICAL AND NON-CLINICAL COMPETENCIES IN ORGAN DONATION

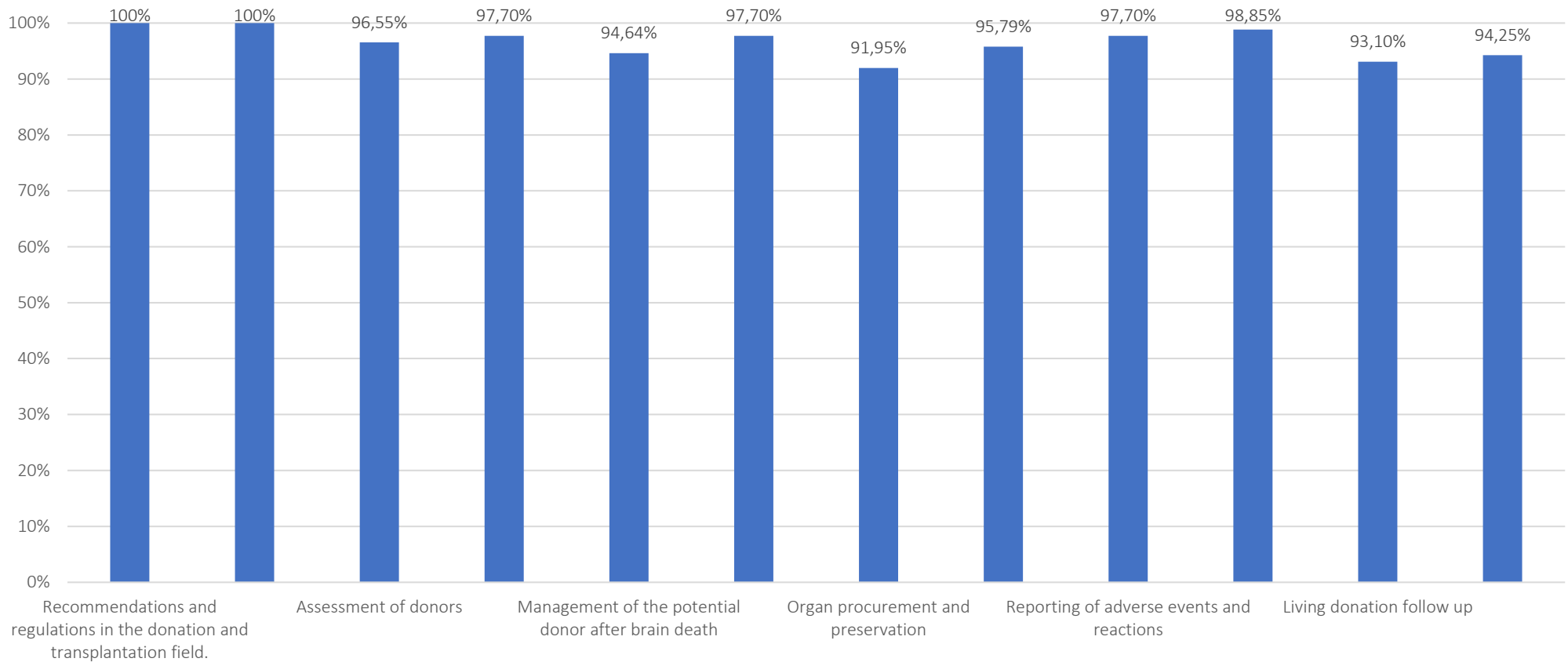
Clinical competencies - Topics you already received training in (from 1-Poor to 5-Excellent)

Result is given as an average score.



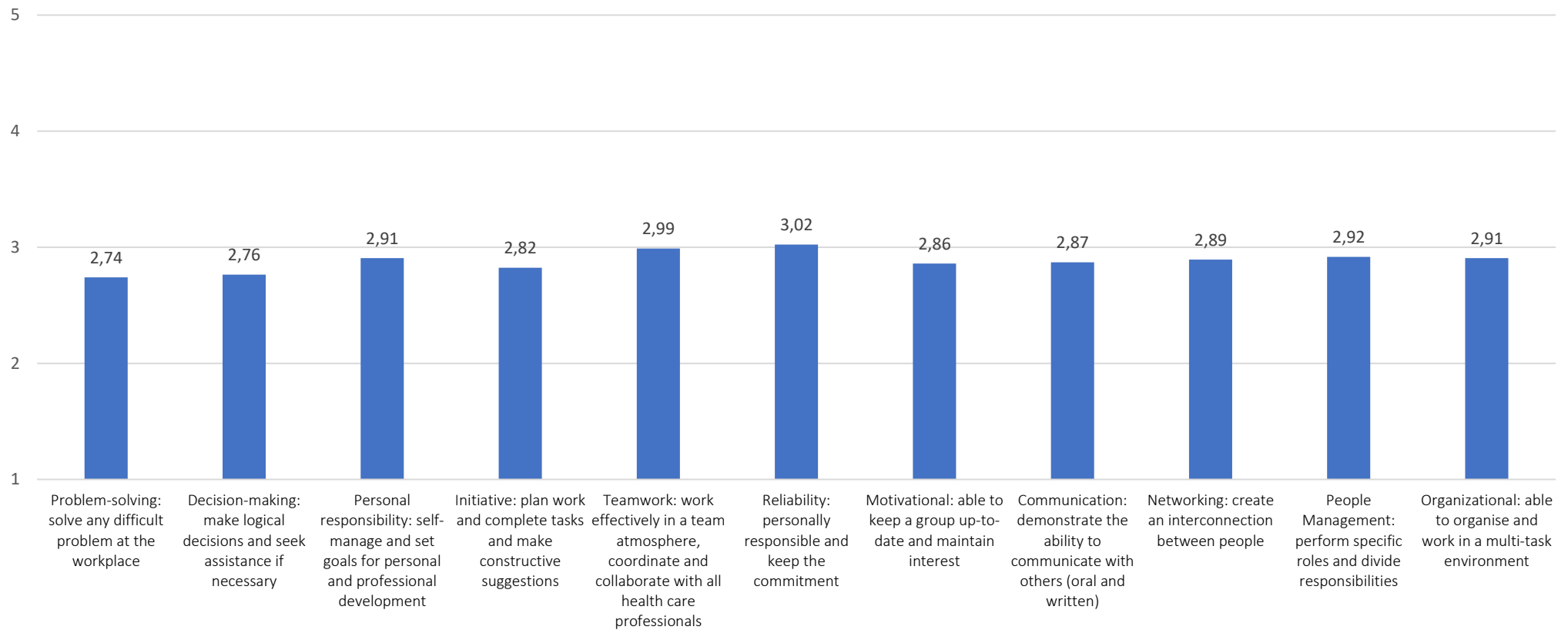
Clinical competencies - Please, indicate if you are interested in receiving training in the following topics.

"Yes" Percentage



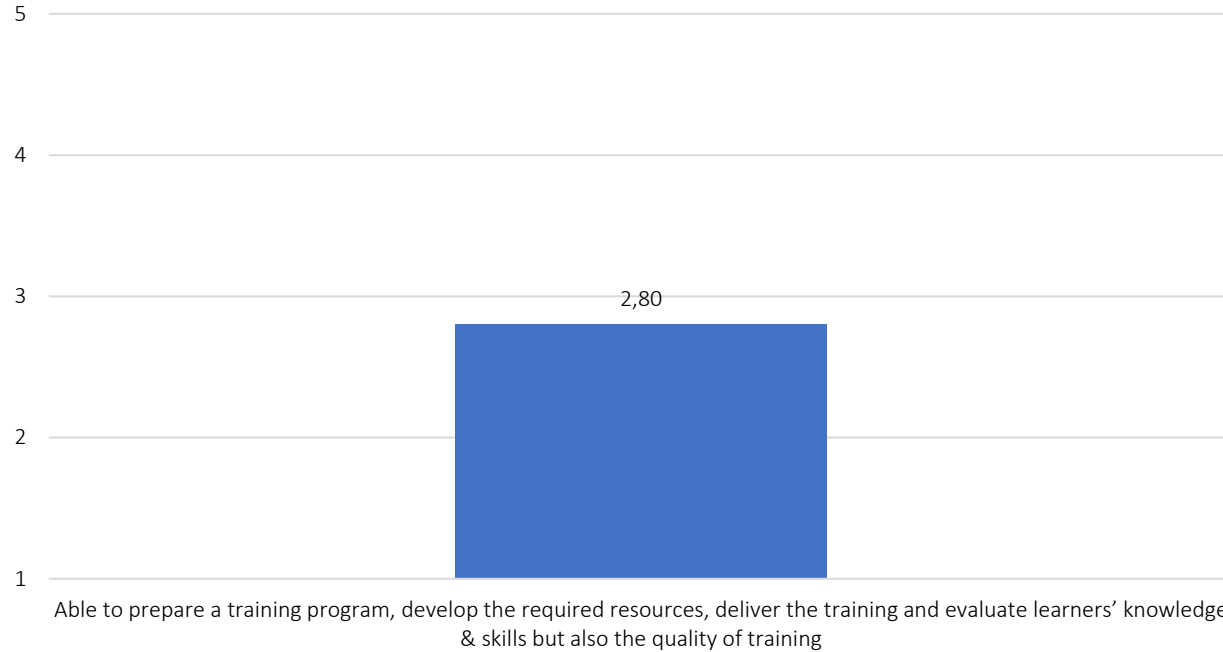
Non-clinical competencies - Topics you already received training in (from 1-Poor to 5-Excellent)

Result is given as an average score.

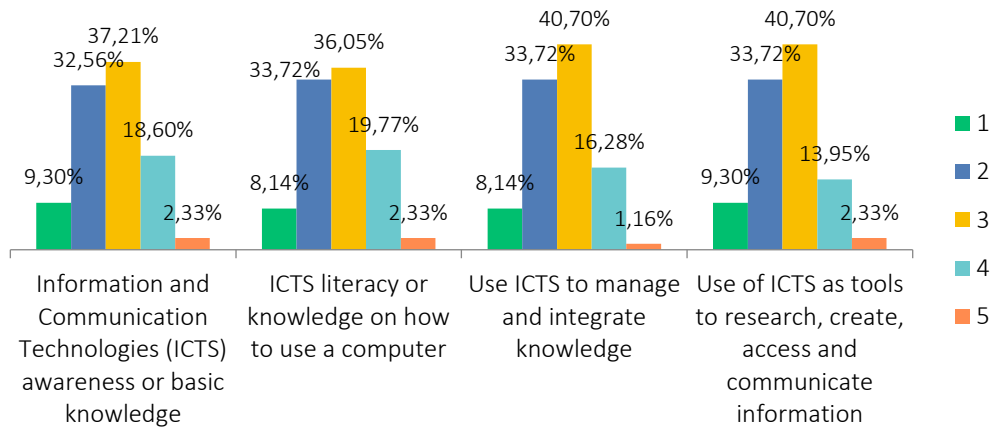
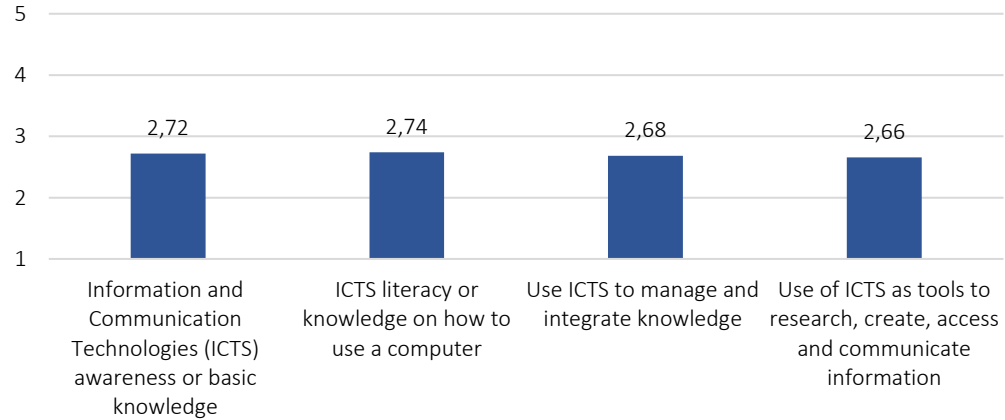




Training skills



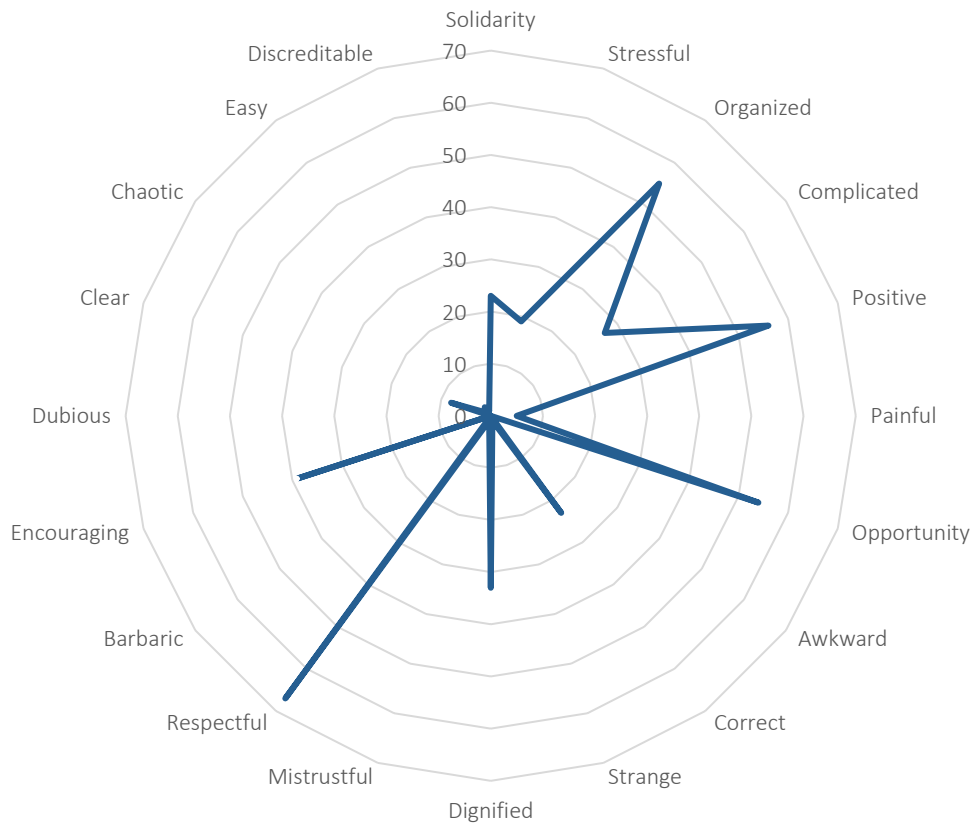
Information and Communication Technologies used for teaching/learning





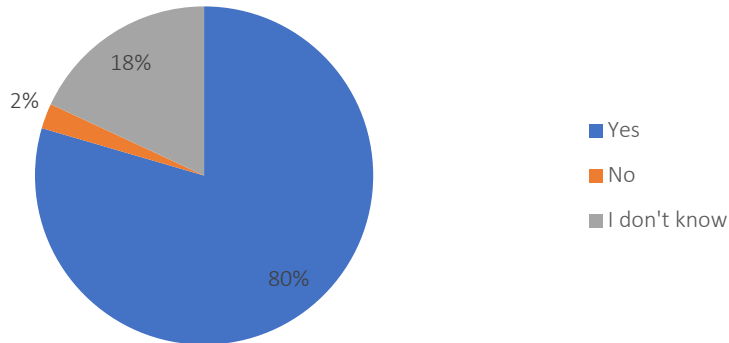
PERCEPTION AND ATTITUDE IN ORGAN DONATION

What is your PERCEPTION of organ and tissue donation? Please, choose 5 of these terms that best describe for you the process of donation after brain death:

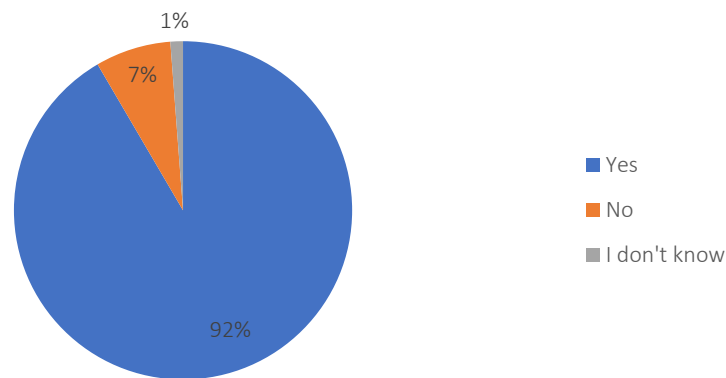




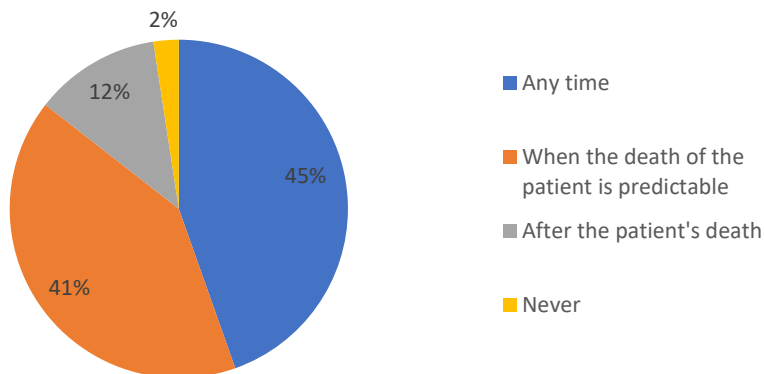
Would you donate your organs after death?



Do you think organ and tissue donation should be part of the end of life care?

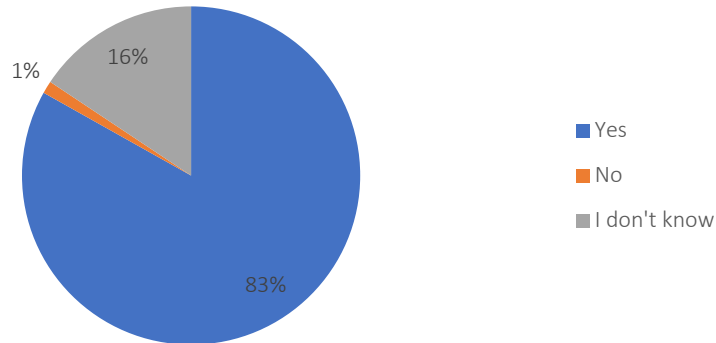


When do you consider that it is the most appropriate moment to talk about organ and tissue donation?

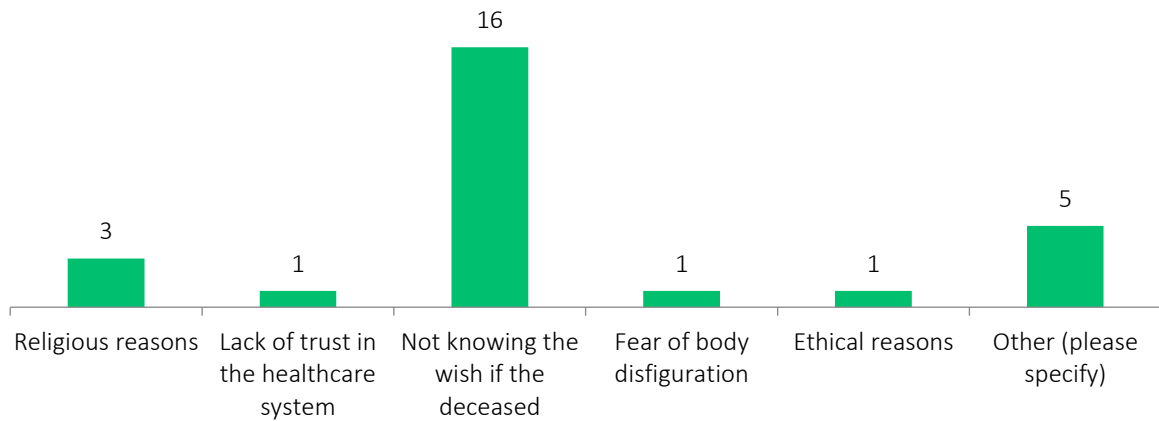




Would you give your consent to a relative donating their organs after death?

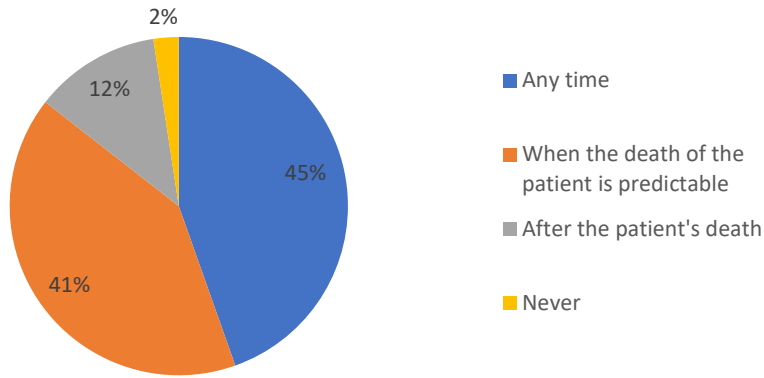


If you answered "No" or "I don't know": Why?





Do you agree with the admission to the Intensive Care Unit (ICU) of patients with devastating injuries in whom the treatment has been deemed futile, for the sole reason of facilitating organ and tissue donation?



Do you consider appropriate to employ the same resources to maintain a potential brain-dead donor as in any other critical patient?

