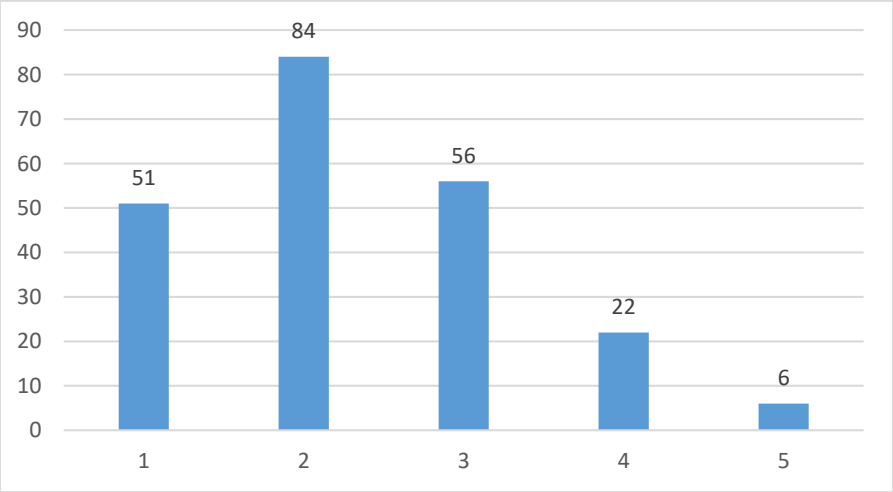
23/04/2020

Results EROMP AI WG Survey

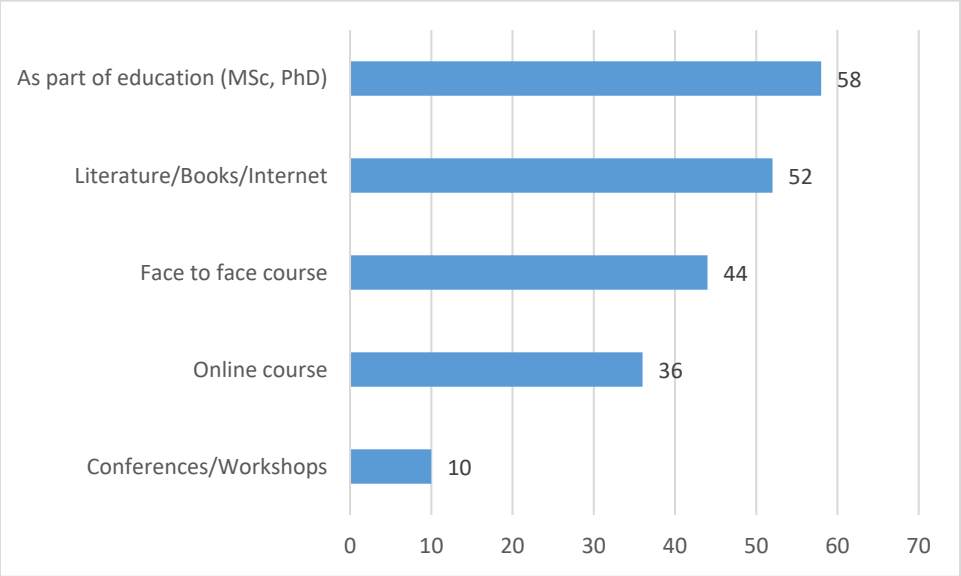
Participants: 219 (from 31 countries)
Period: 12/02/2020 -31/03/2020
Questions: 25

AI RELATED QUESTIONS

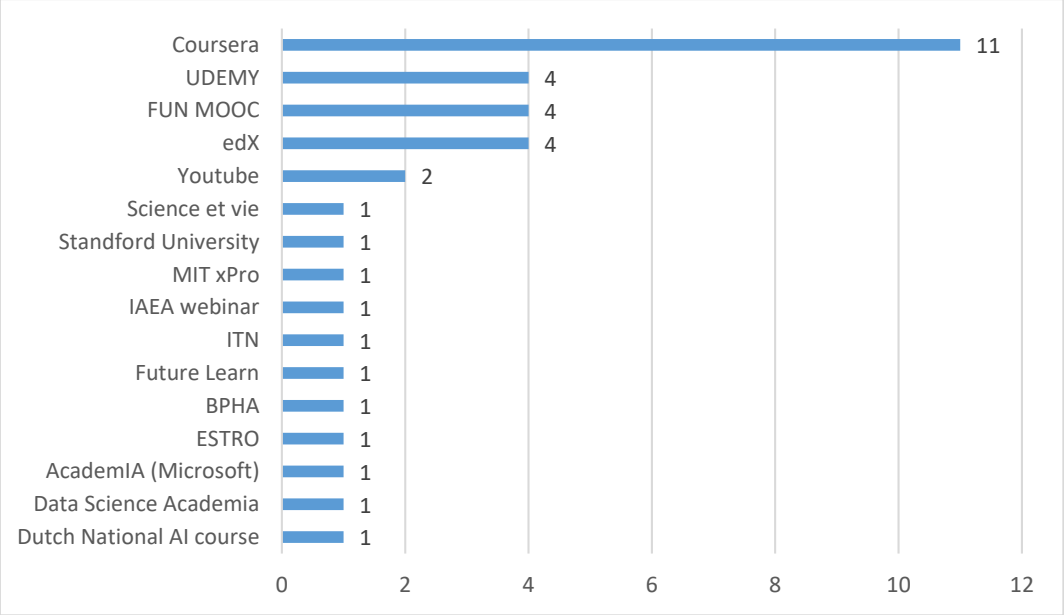
Q1: How would you rate your knowledge of AI? (219)



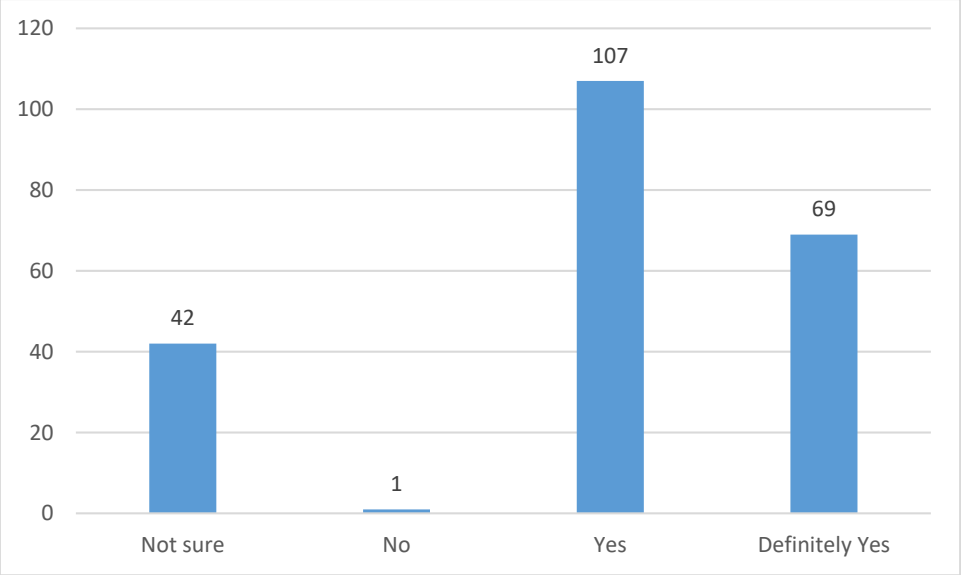
Q2: If you have some knowledge of AI, how did you get it? (171)



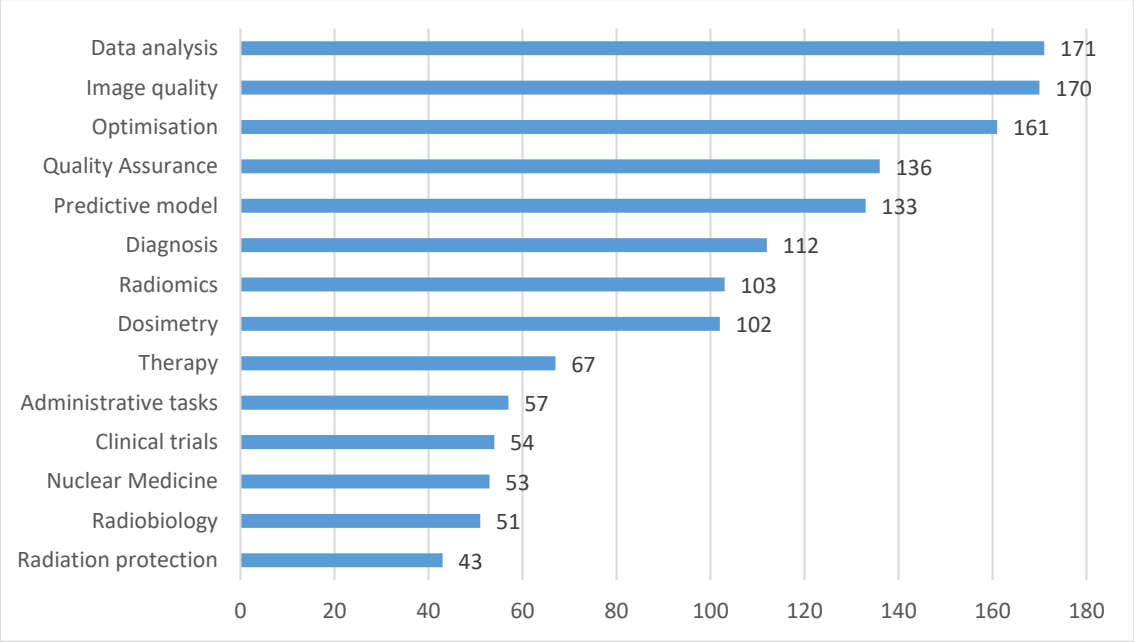
Q3: If followed an online course on AI, please provide the name of the platform. (34)



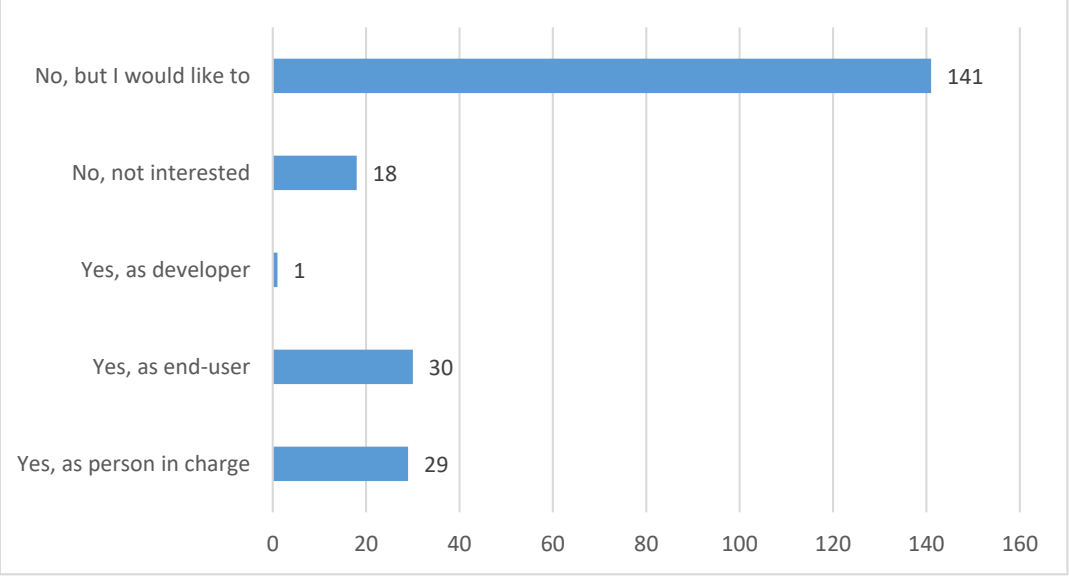
Q4: Can AI improve the daily work of MPEs?



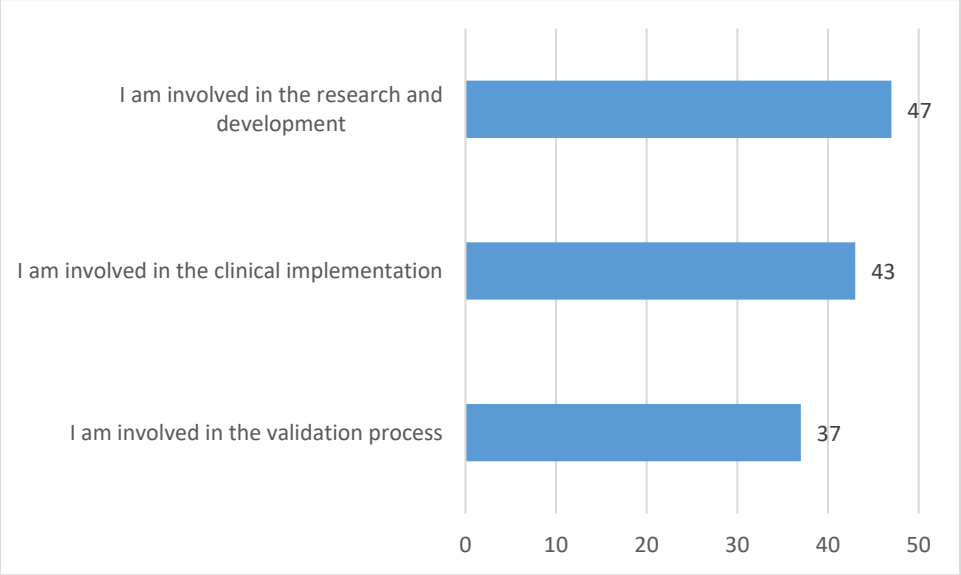
Q5: Check the areas you think AI will replace or assist medical physicists.



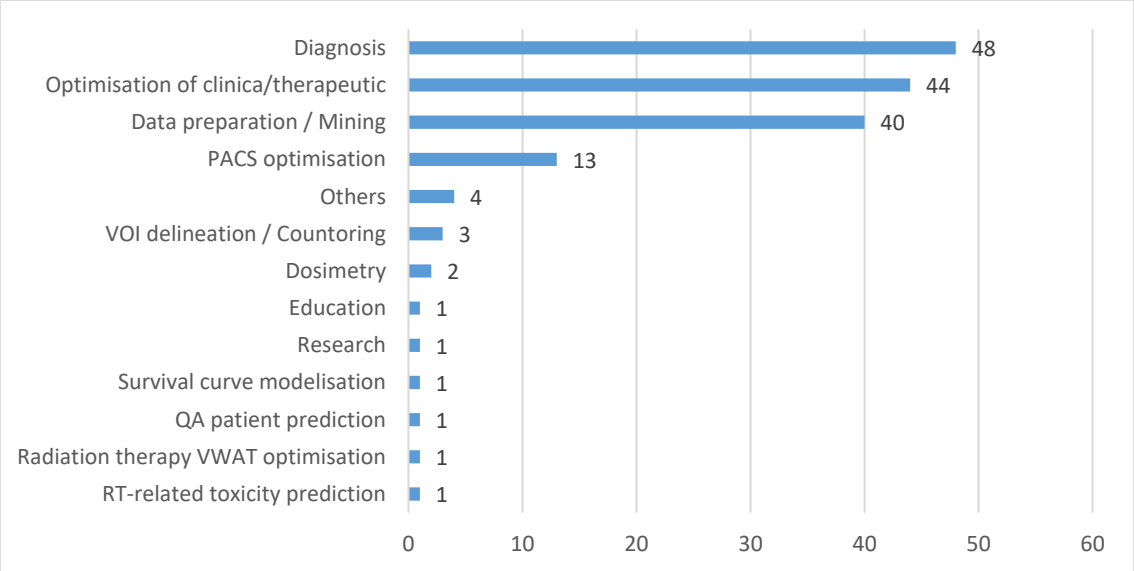
Q6: Are you currently involved in AI projects?



Q7: In case you participate in AI projects, what is your degree of participation?

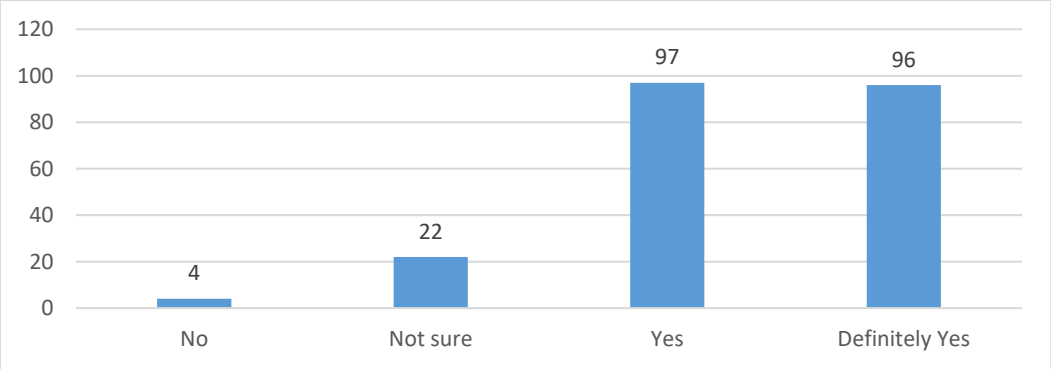


Q8: Is your hospital/institution already using AI or going to do so in the next 12 months? If so, for what application?

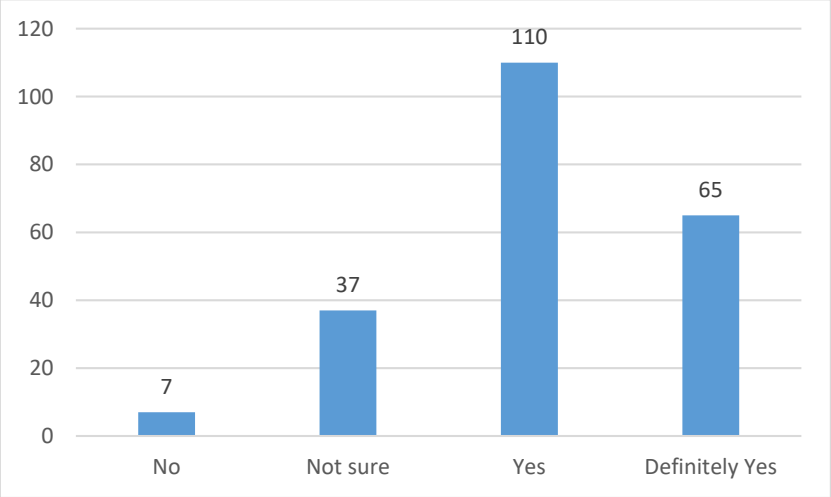


AI TRAINING

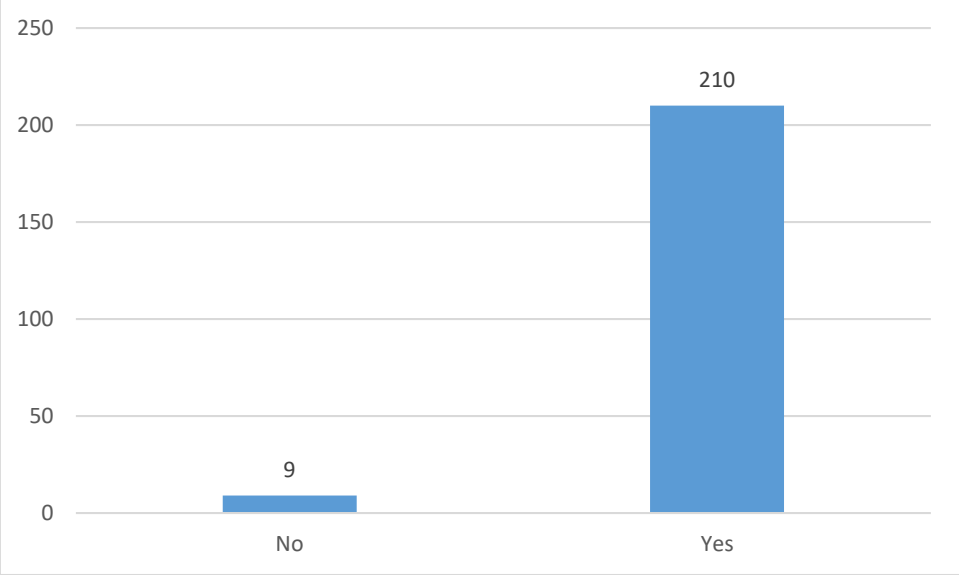
Q9: Do medical physicists need specific training on AI?



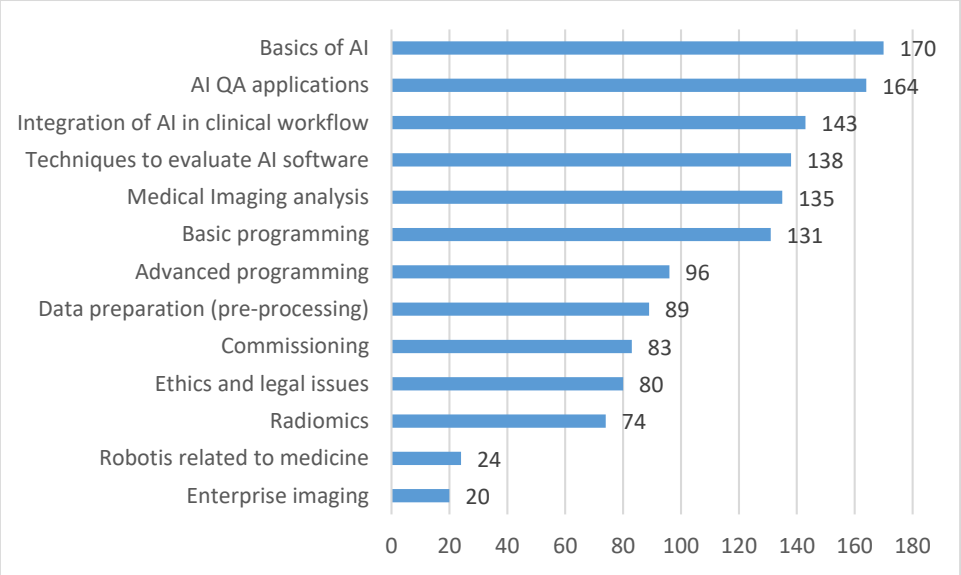
Q10: Should AI be part of the MPE curriculum?



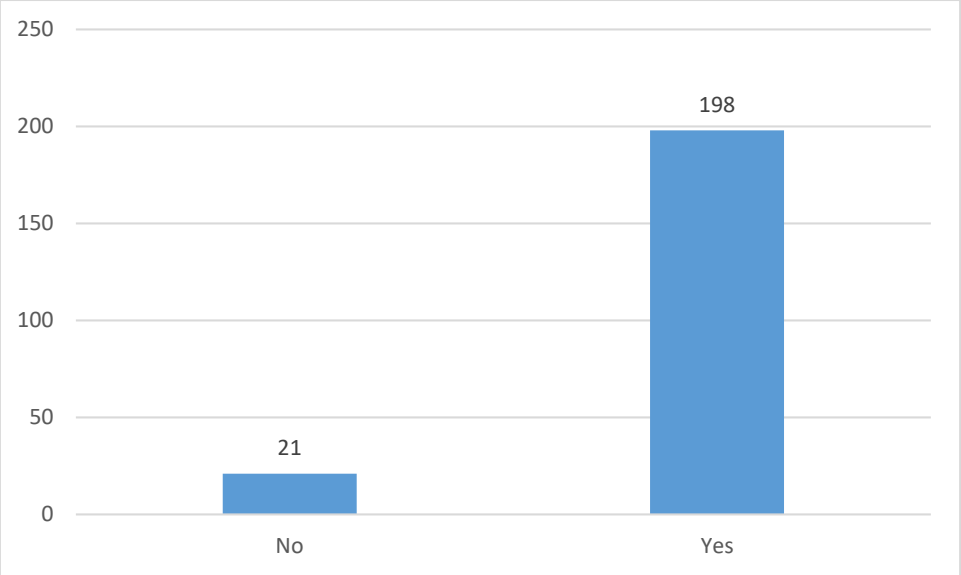
Q11: Are you interested in improving your knowledge of AI?



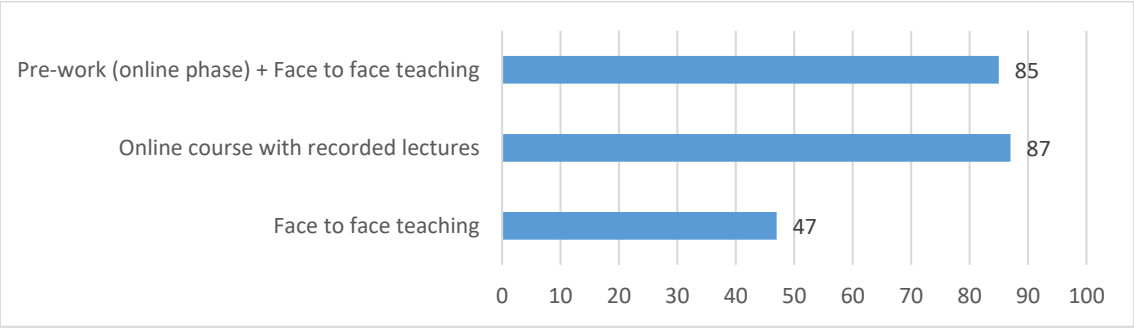
Q12: Which topics would you like to learn? (multiple choice)



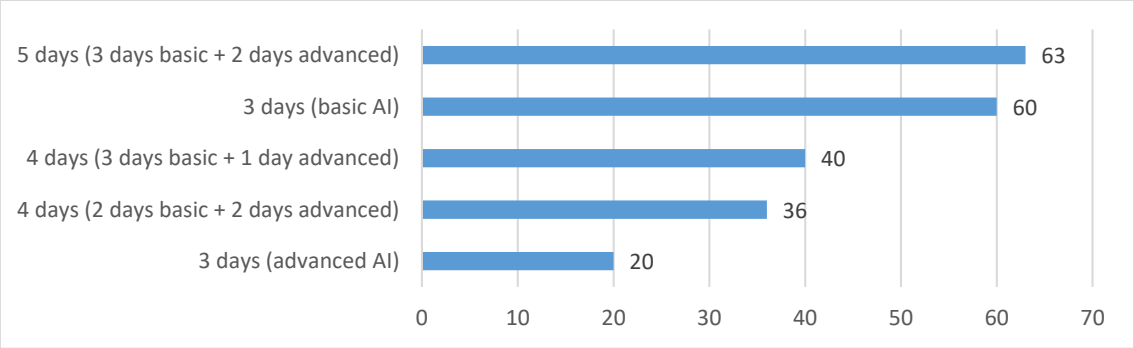
Q13: Would you be interested in participating into an AI school if organised as part of the European School of Medical Physics (ESMP)?



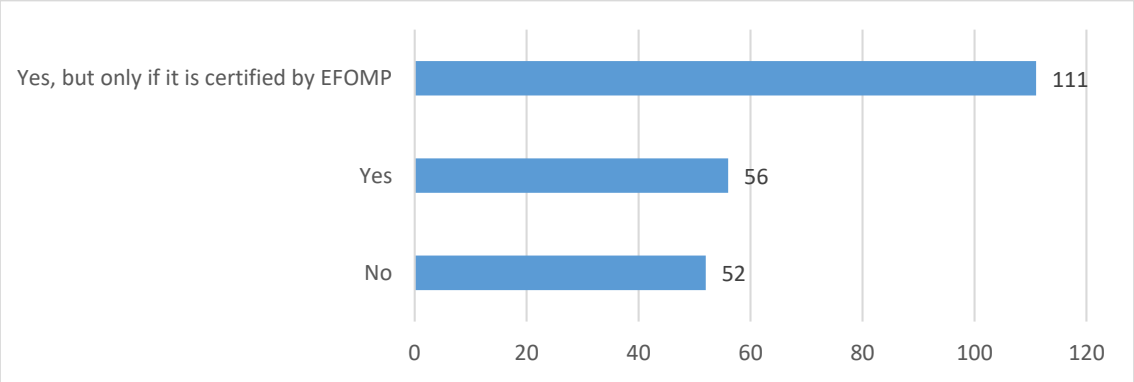
Q14: Which teaching format do you prefer for an AI course?



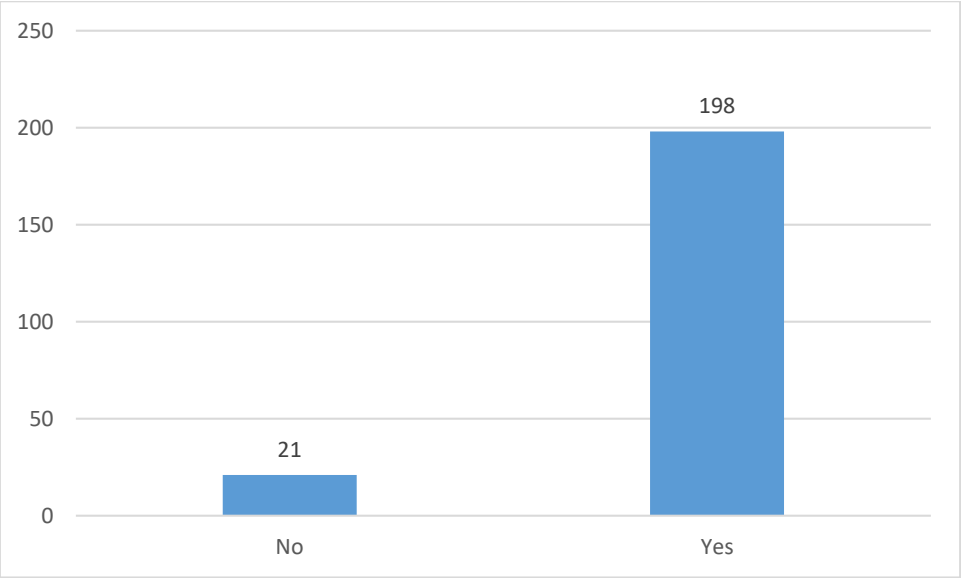
Q15: If the school is eventually organised, which format would you prefer?



Q16: In case you could attend, would you take an exam at the end of the school?



Q17: Would you be interested in using an online platform with AI material to learn on your own pace?

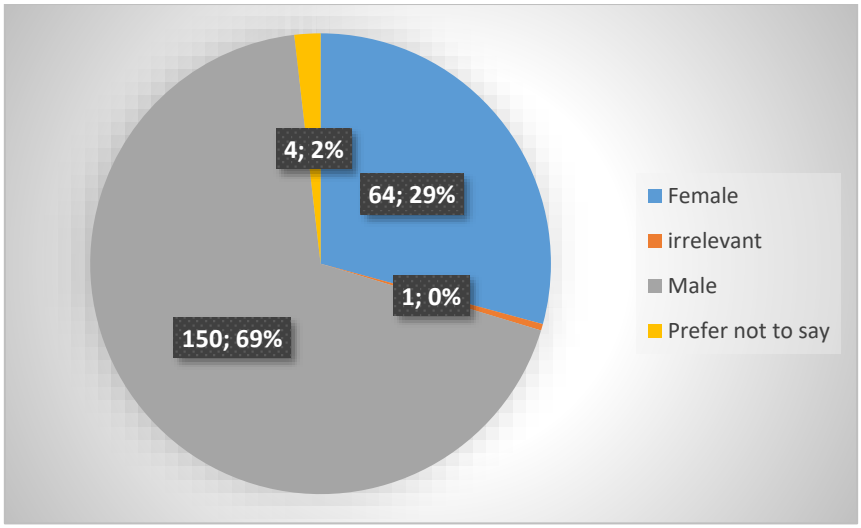


Q18: We leave you some space to add any comment /thought about AI and the working group

- "HI, the questionnaire is mainly related to the possibility of organizing a course and not so much about the kind of education that would be necessary in a curriculum.
- I don't understand why you ask the age and the gender."
- Great initiative by EFOMP!
- should IAEA and clinical representative S from ESTRo, EANM and ESR taie part to this WG ?
- It could be interesting to have some documents to help MP to explain to technologist, dosimetrist, ... how AI is going to change everything but also how we have to understand these new tools.
- "Thank you very much for this task group which could improve significantly the MPE's knowledge.
- Have a nice course set-up."
- For the question "Check the areas you think AI will replace or assist medical physicists. *" the answer "none" is missing
- It is time for Medical Physicist to add new knowledges of Al
- I think the basics of programming and AI should be covered in the STP curriculum.
- This would have been quite interesting to me 30 years ago
- I have recently come across taks on pushing AI in Medical Physics however, there is no support to the researchers like me who are interested in projects on AI.
- I need document and articles about AI app. İn RT
- It would be very interesting if EFOMP could prepare online lectures
- My knowledge is very limited but I think short flexible courses at a number of levels would really help working MPEs especially working females.
- An online platform can be usefull if you have the time in the hospital to work and to invest in this topic. this is not always the case. So I prefer a dedicated Efomp school.
- AI will undoubtedly be very important to radiation therapy. But it shouldn't necessarilly be the domain of the medical physicist, and defintitely not a requisite for a MPE. Data science and machine learning will benefit from involving other experts in radiotherapy, experts that don't need to be medical physicists. We should be careful not to profile ourselves as the ones that are expert in everything.
- AI is the future of medical physics
- For me, MPE must focus in QA, dose measurements and dose calculations. AI must be assessed by MPE if these three points are involved.
- It is important that the AI content is at least in some part specific to medical physics. There is already a lot of teaching content on AI out there, it needs to be distinct
- AI software is already here in radiology and nuclear medicine and we need learn how to commission it, evaluate it and verify it, just like we do with a regular X-ray unit.
- Many online courses are free on internet, I followed some of them, but they are only for basis. The problem is when want to go further, I can't apply the knowledge so easily. Some medical physicist said "you put all your data and you wait " ; I can not work with something I don't really understand. That's why I prefer courses of advance material that can help to manage and process correctly the data.
- I think that IA can unfortunately change our profession
- AI is certainly the future of médical physics works. However, their is a lake of knowledge on this topic for most of them. Somes soft are already based on AI, and it will Be interisting for médical physicist to have course on this topic.
- TPS, QA in Radiotherapy

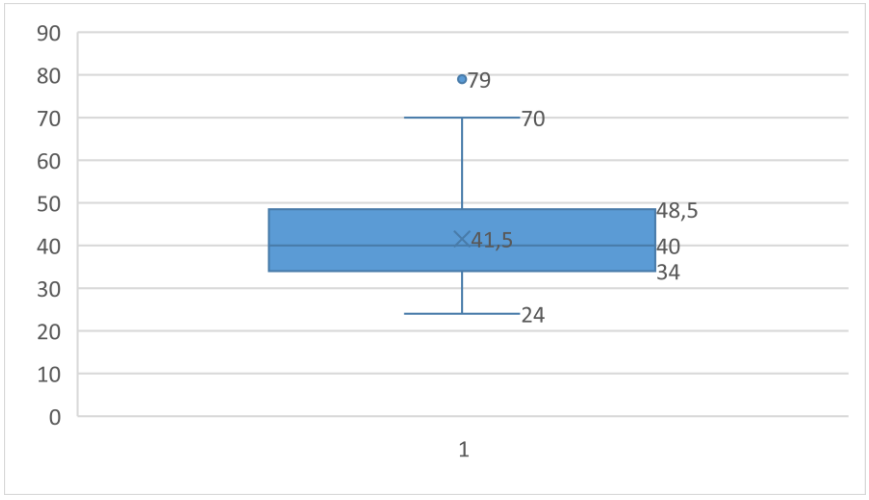
GENERAL QUESTIONS

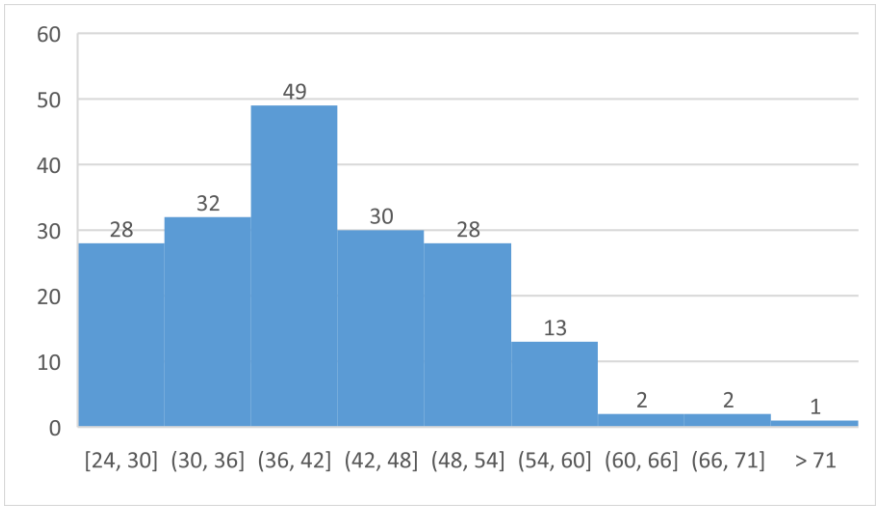
Q19: What is your gender?



Q20: What is your age?

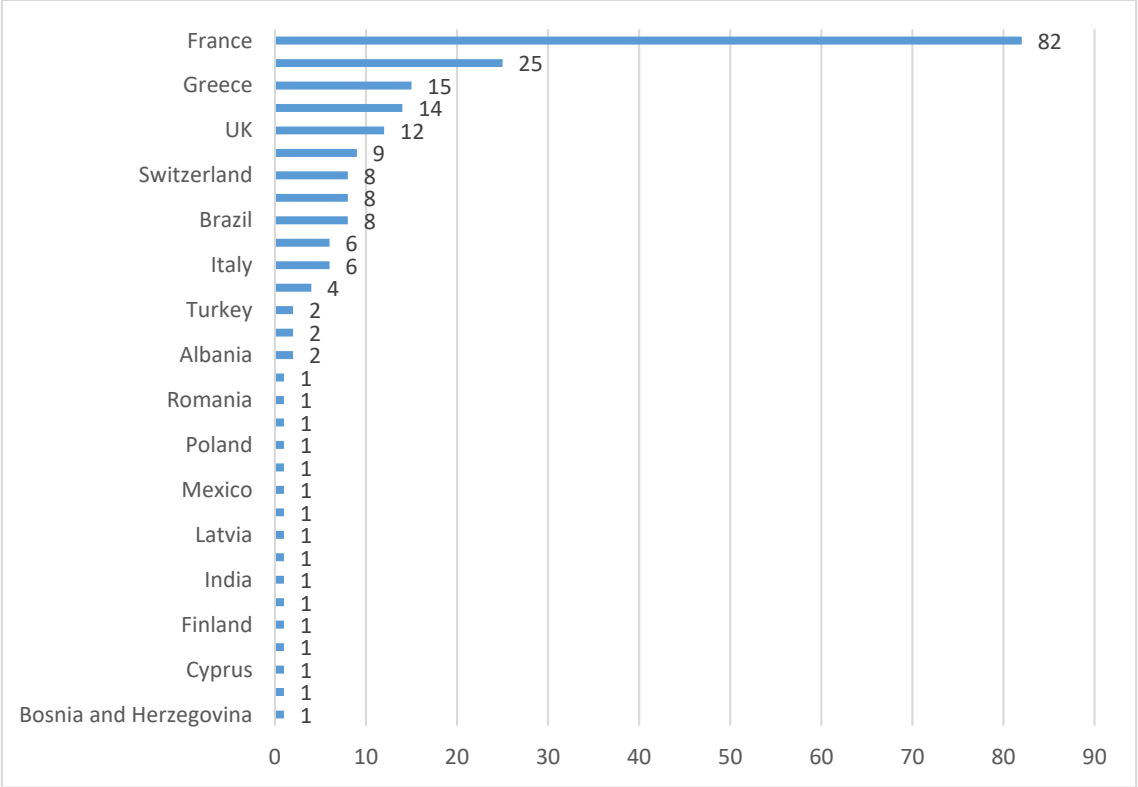
Average: 42 ±10 years old [min 24; max 79]



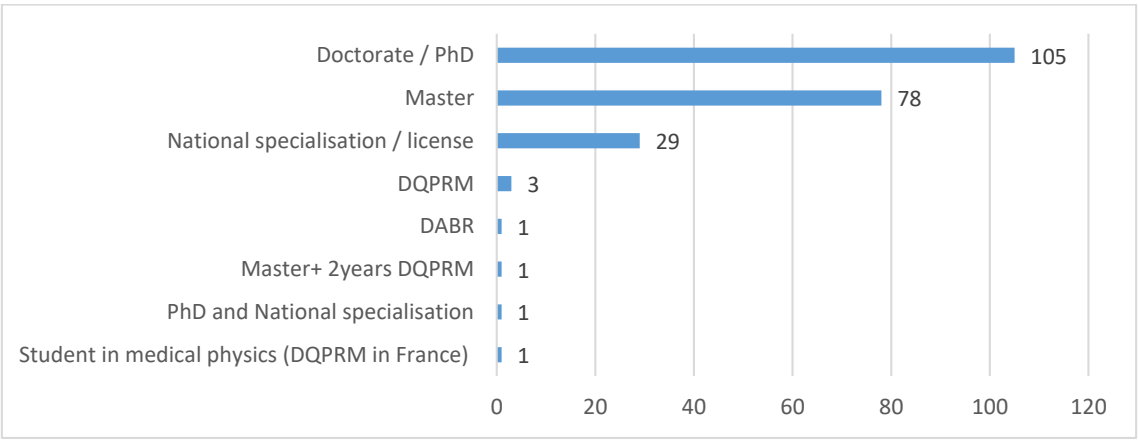


Q21: In which country do you currently work?

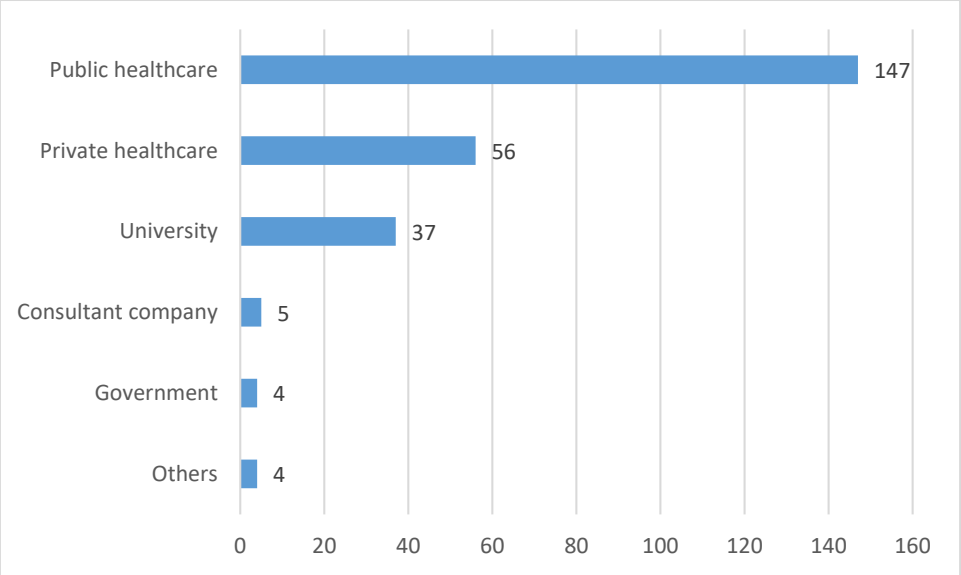
Participants from 31 different countries.



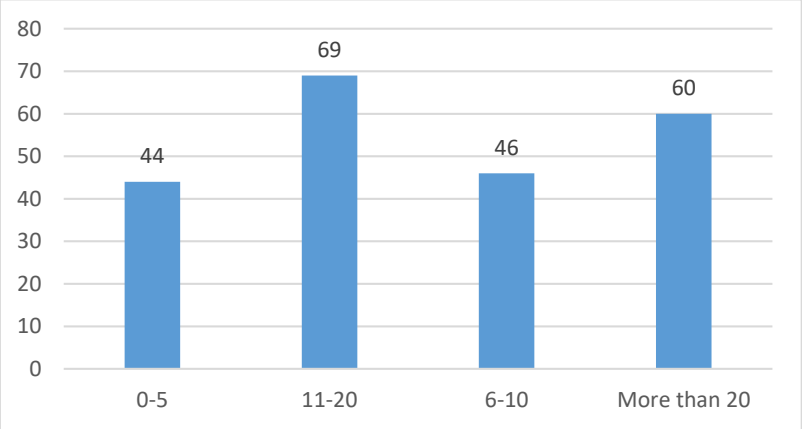
Q22: What is your highest level of education?



Q23: Where do you work? (multiple choice)



Q24: How many years of experience as medical physicist do you have?



Q25: What is your main speciality? (multiple choice)