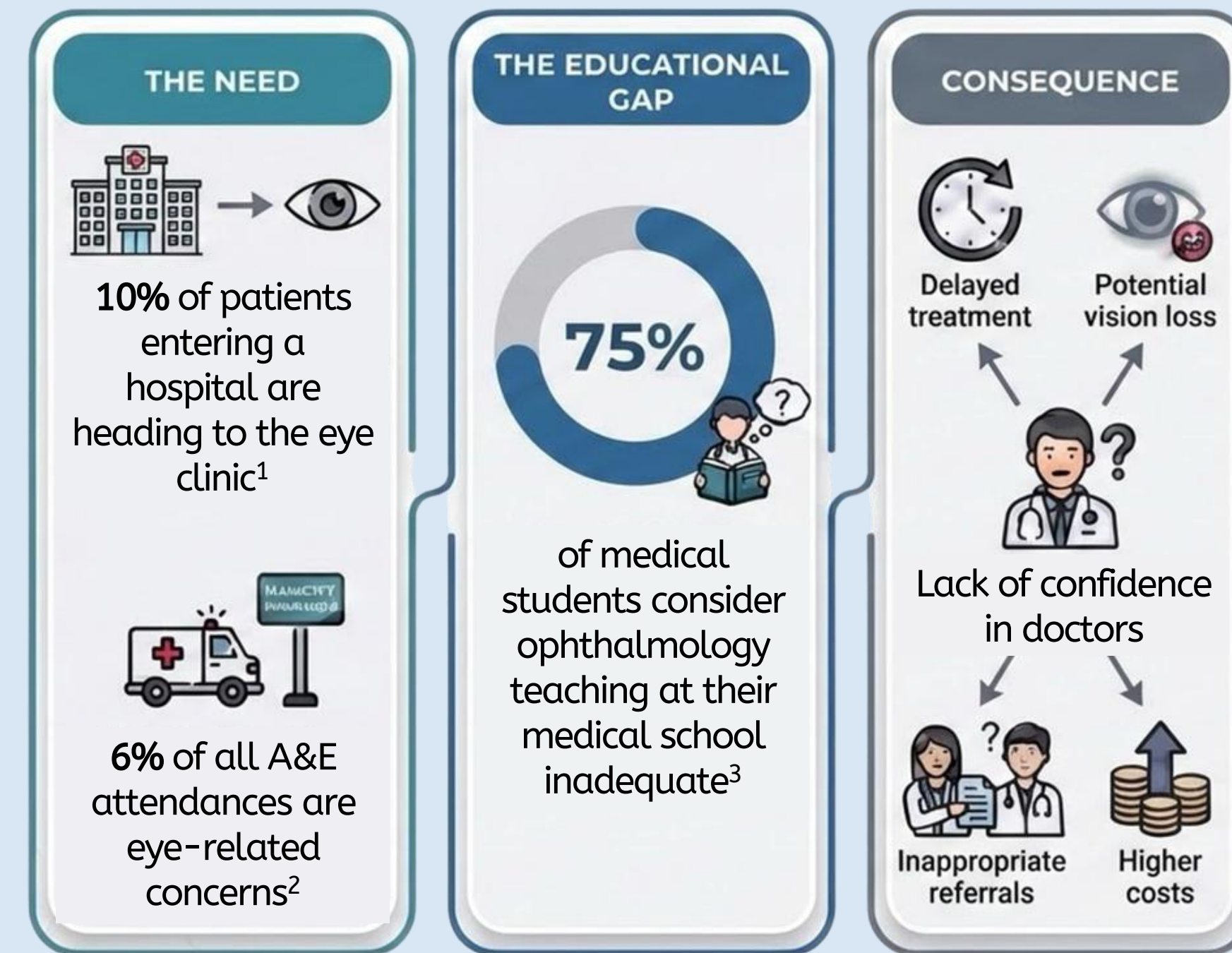


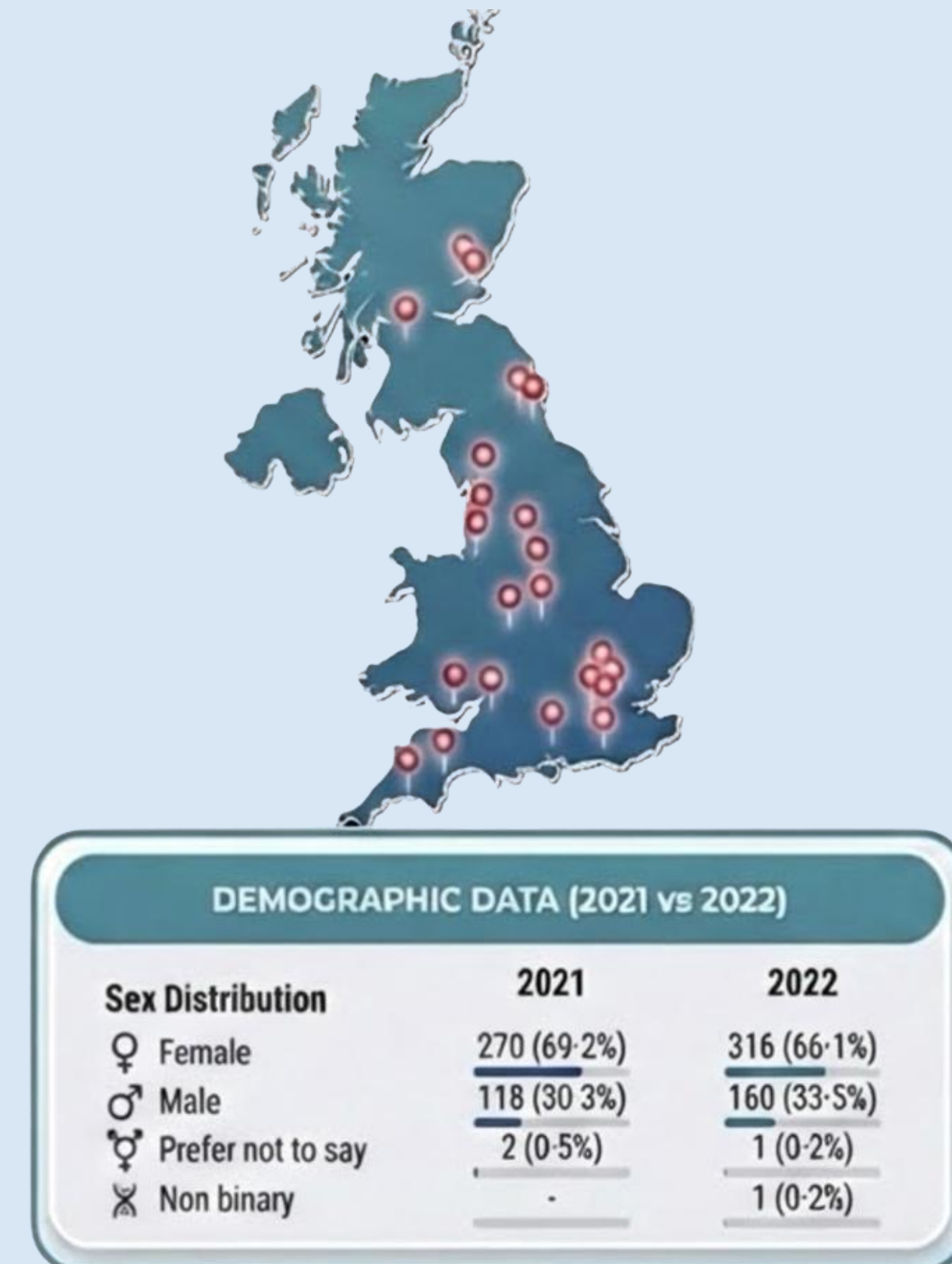
A NATIONWIDE INITIATIVE EMPOWERING 868 MEDICAL STUDENTS ON OPHTHALMIC EMERGENCIES

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Introduction

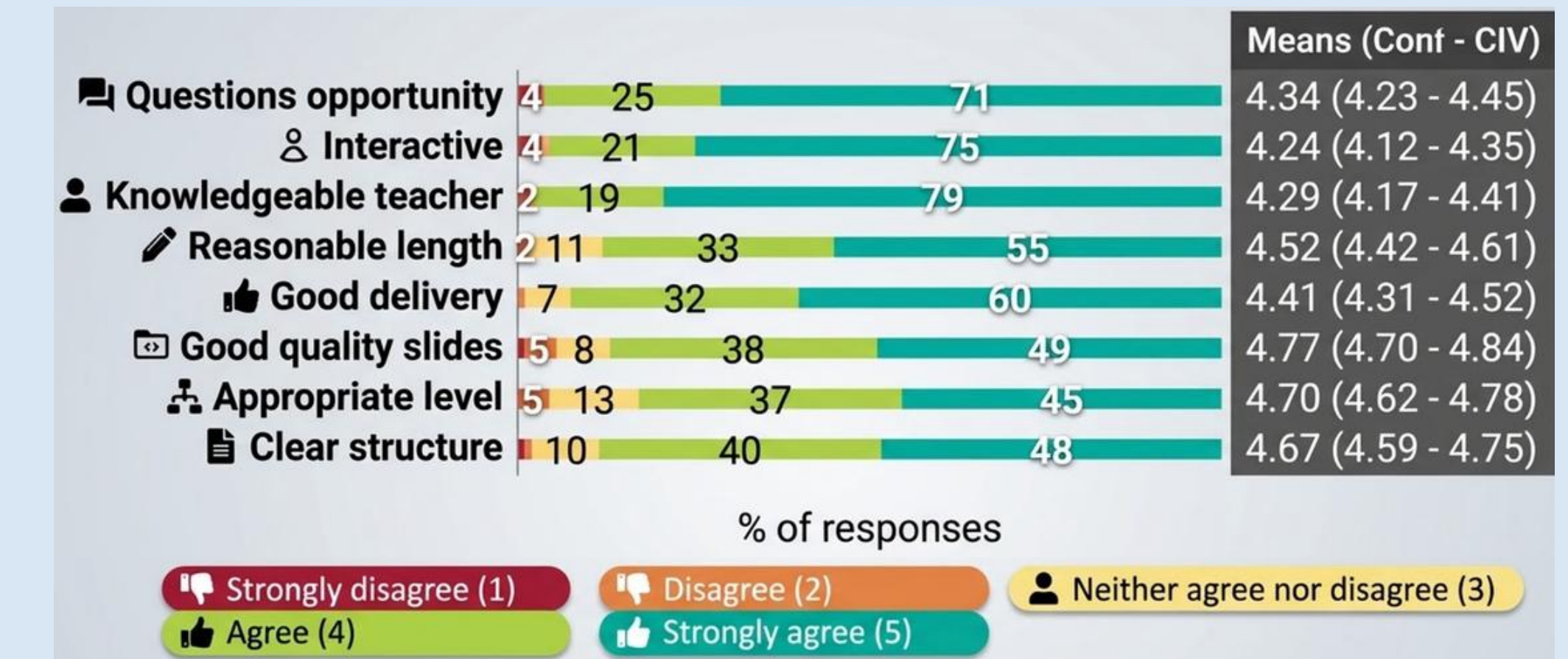


Nationwide Attendance



Medical Schools

	2021	2022
Birmingham	28 (7.2)	-
Brighton	-	11 (2.3)
Bristol	3 (0.8)	-
Cardiff	12 (3.1)	-
Central Lancashire	2 (0.5)	-
Dundee	26 (6.7)	-
Exeter	10 (2.6)	227 (47.5)
Glasgow	110 (37.9)	-
Imperial College London	27 (6.9)	3 (0.6)
King's College London	1 (0.3)	-
Lancaster	1 (0.3)	30 (6.3)
Leicester	24 (6.2)	85 (17.8)
Liverpool	21 (5.4)	12 (2.5)
Newcastle	9 (2.3)	-
Nottingham	-	3 (0.6)
Peninsula	5 (1.3)	1 (0.2)
Sheffield	76 (19.5)	59 (12.3)
Southampton	-	4 (0.8)
St Andrews	1 (0.3)	-
St George's	-	1 (0.2)
Sunderland	-	16 (3.3)
University College London	34 (8.7)	26 (5.4)

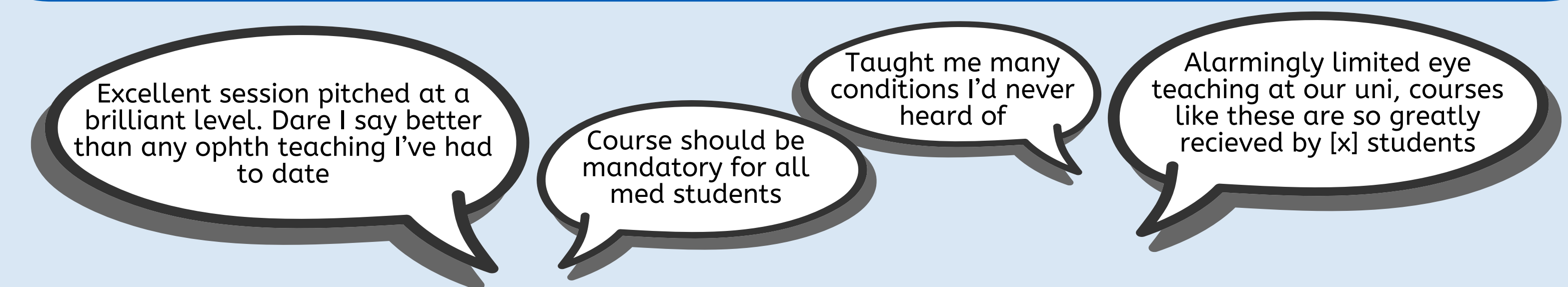


Quantitative feedback confirming the course's high quality, interactive delivery and appropriate academic level, with all mean scores exceeding 4.20

Discussion

- Clinical Safety:** Low clinician confidence in eye cases leads to delayed treatment, avoidable sight loss, unnecessary referrals, increased litigation and higher costs⁴
- Eco-Impact:** Virtual delivery offers a greener future for medical education, reducing carbon footprint by 94% and energy use by 90% compared to in-person events⁵
- Institutional Variability in Attendance:** Number of participants per university varied due to methods of advertising, existing ophthalmology teaching, scheduling conflicts, institutional policies on external lectures and individual motivation
- Educational Trends:** Baseline confidence was highest in 'medical' cases e.g. papilloedema, but remained critically low in 'ophthalmic' cases e.g., globe rupture and hyphema
- Improvement:** Our course showed a massive confidence boost in 'nuanced' topics like microbial keratitis and corneal foreign bodies

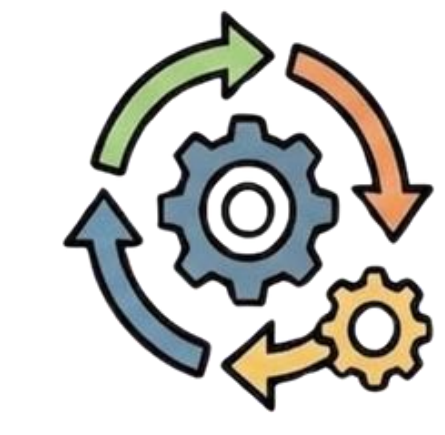
Qualitative Feedback



Conclusions



BOOSTED CONFIDENCE
Especially in nuanced topics e.g. corneal foreign bodies, microbial keratitis



SUSTAINABLE & EFFECTIVE
Repeatable, scalable and meets growing demand for eye care



NATIONAL & GLOBAL APPEAL
Requested wider teaching for optometrists and nurses, as well as requests to expand globally

References

- Health and Social Care Information. Hospital Episode Statistics: Hospital Outpatient Activity – 2013–14. NHS. 2015. Available: <https://digital.nhs.uk/data-and-information/publications/statistical/hospital-outpatient-activity-2013-14>
- Emergency eye care in hospital eye units and secondary care. Royal College of Ophthalmologists. 2021. Available: <https://www.rcophth.ac.uk/wp-content/uploads/2021/01/Emergency-eye-care-in-hospital-eye-units-and-secondary-care-Copy.pdf>
- Tariq F et al. Survey of current undergraduate ophthalmology teaching in the United Kingdom. Eye News. 2019. Available: <https://www.eyenews.uk.com/features/ophthalmology/post/survey-of-current-undergraduate-ophthalmology-teaching-in-the-united-kingdom>
- Statham MO et al. Misdiagnosis of acute eye diseases by primary health care providers: incidence and implications. Med J Aust 2008; 189(7):402–4
- Tao Y et al. Trend towards virtual and hybrid conferences may be an effective climate change mitigation strategy. Nat Commun 2021; 12:7324