

A white outline map of Europe is centered on a dark blue background. A red dot with a white center is placed on the British Isles, indicating the location of the University of Bristol. The text is overlaid on the map.

Medical Students' Perceptions

of EBHC Teaching at

the University of Bristol



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University of Bristol, UK



University of Bristol, UK

5 year MB ChB

Intake 250/ year

20% International

Age at entry 18-19

EBM 'vertical theme'



University of Bristol, UK

Standard

“ Graduates must ... be able to gain, assess, apply and integrate new knowledge and have the ability to adapt to changing circumstances throughout their professional life.”

GMC, Tomorrow's Doctors, 2002

Aims

Explore medical students'

- experiences of evidence
- opportunities to practise EBHC

Methods

Questionnaire

Focus Group

Respondent validation

Examinations

Methods

Questionnaire

Focus Group

Respondent validation

Examinations

Questionnaire

5-point Likert Questions

- evidence used to make decisions
- evidence quantified
- evidence guide investigations
- asked to find evidence
- feedback on evidence

Results

End of attachment questionnaires Jan-June 2002

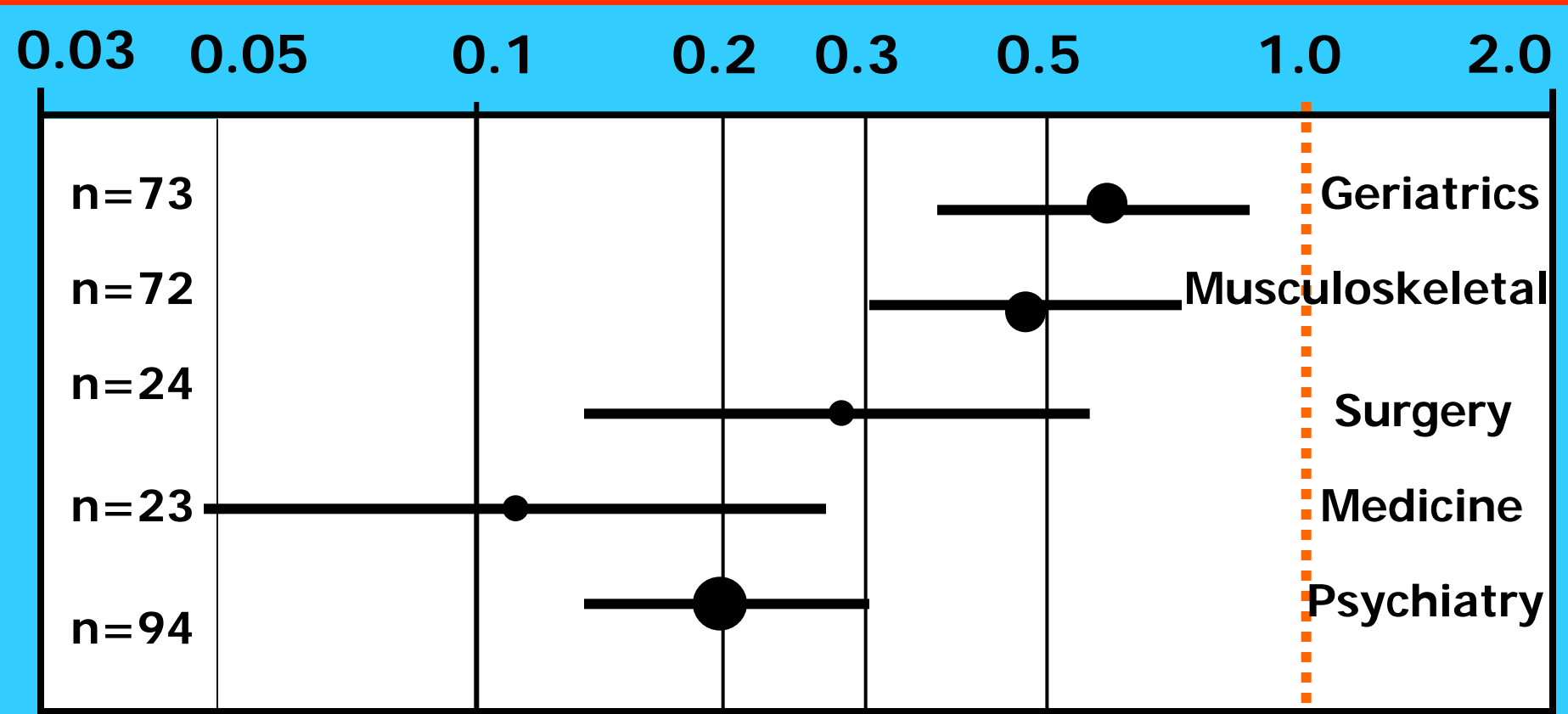
377 placements

5 subjects

27 Hospitals

286 replies (76%)

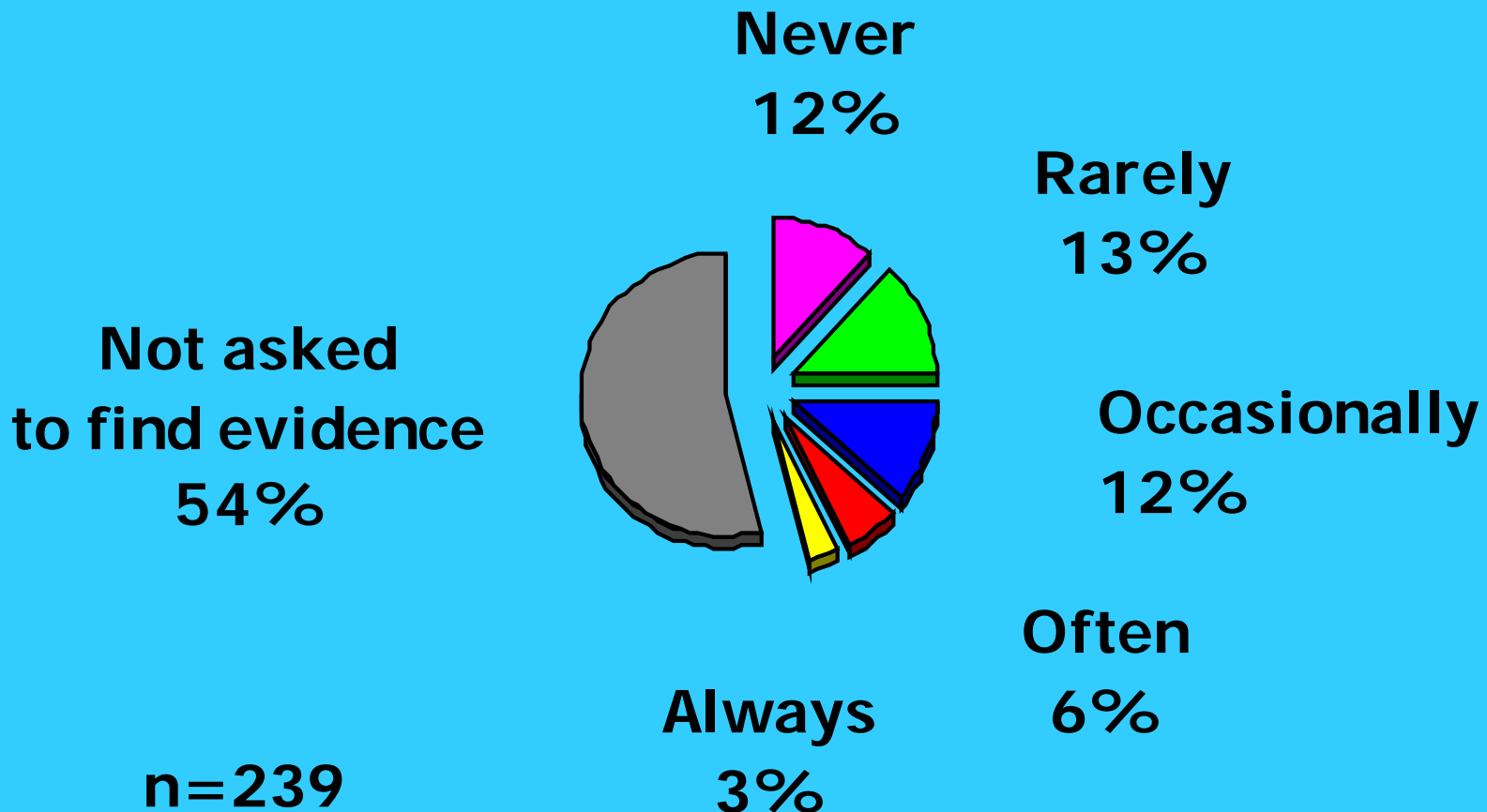
Odds of high teaching scores for EBM



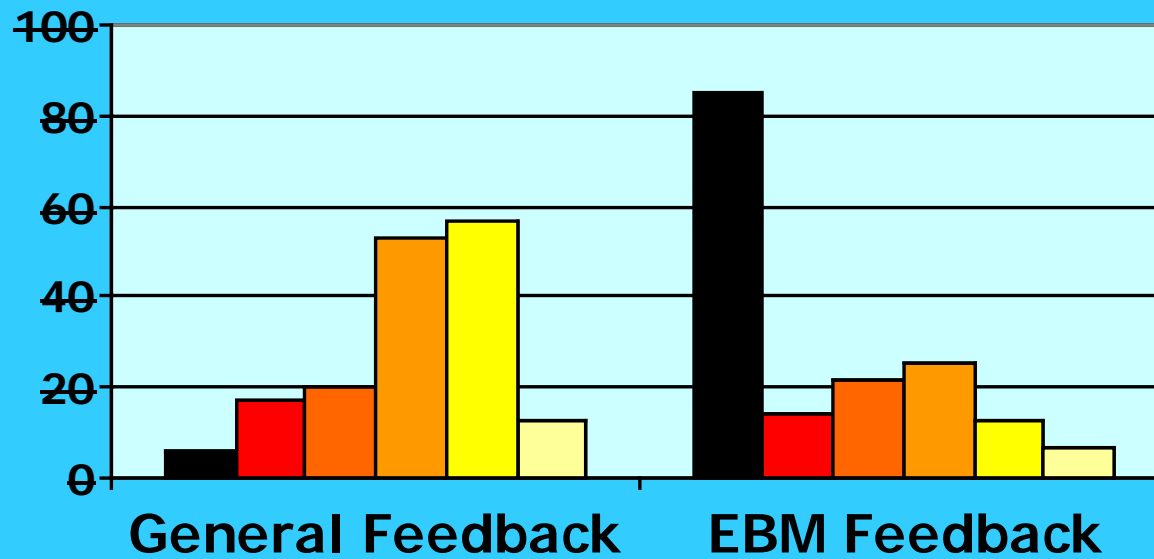
All $p < 0.002$

Students' perceptions

Feedback on evidence



Frequency of feedback



n=239 3rd year medical students

Students' perceptions

Examination

145 Candidates, June 2003:

EBM: 5 part extended MCQ 85% (13%)

Overall MCQ mean 80% (6%)

Student comments

“ Patients may have been managed using protocols where it is likely that there is an evidence-base but this is not discussed. ”

Fifth year medical student

Student comments

“ I am rarely involved in looking for evidence for care and I am little qualified to judge.”

Fifth year medical student

Summary

**Compared with other aspects of their course,
Bristol medical students**

Are less satisfied with EBM teaching

**Report fewer opportunities to
observe and practise EBM skills**

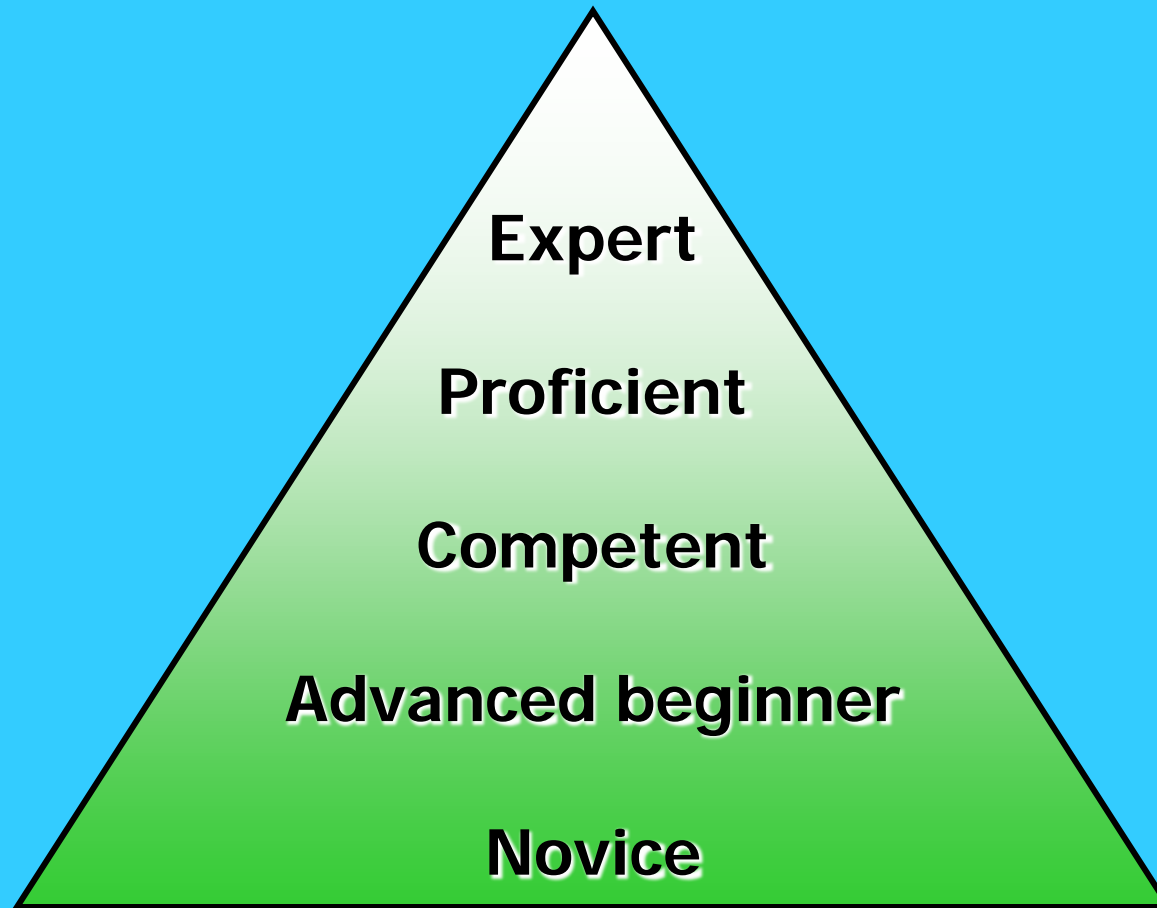
May be under-prepared for EBP

Summary

“ Flies can’t fly into a closed mouth ”

- Sicilian proverb

Dreyfus' model of medical knowledge



Eraut, 1994

Dreyfus' model of medical knowledge

“ The skill and the art is knowing which [patients] will be helped... And for that, evidence-based medicine is completely useless; what is needed is experience, lots and lots of experience. ”

British Journal of General Practice, Sept 2002

The 5 As

- **Ask**
- **Acquire**
- **Appraise**
- **Apply**
- **Audit**

The 7 As

- **Ask**
- **Acquire**
- **Appraise**
- **Apply**
- **Audit**

The 7 As

- **Awareness**
- **Ask**
- **Acquire**
- **Appraise**
- **Apply**
- **Audit**

The 7 As

- Awareness
- Ask
- Assess
- Acquire
- Appraise
- Apply
- Audit

