

**Medical Students' Perceptions**

**of EBHC Teaching at**

**the University of Bristol**



**Bill Summerskill**  
EBM teaching coordinator

**Yoav Ben-Shlomo**  
Consultant Sr. Lecturer  
in Social Medicine



**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

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# 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**

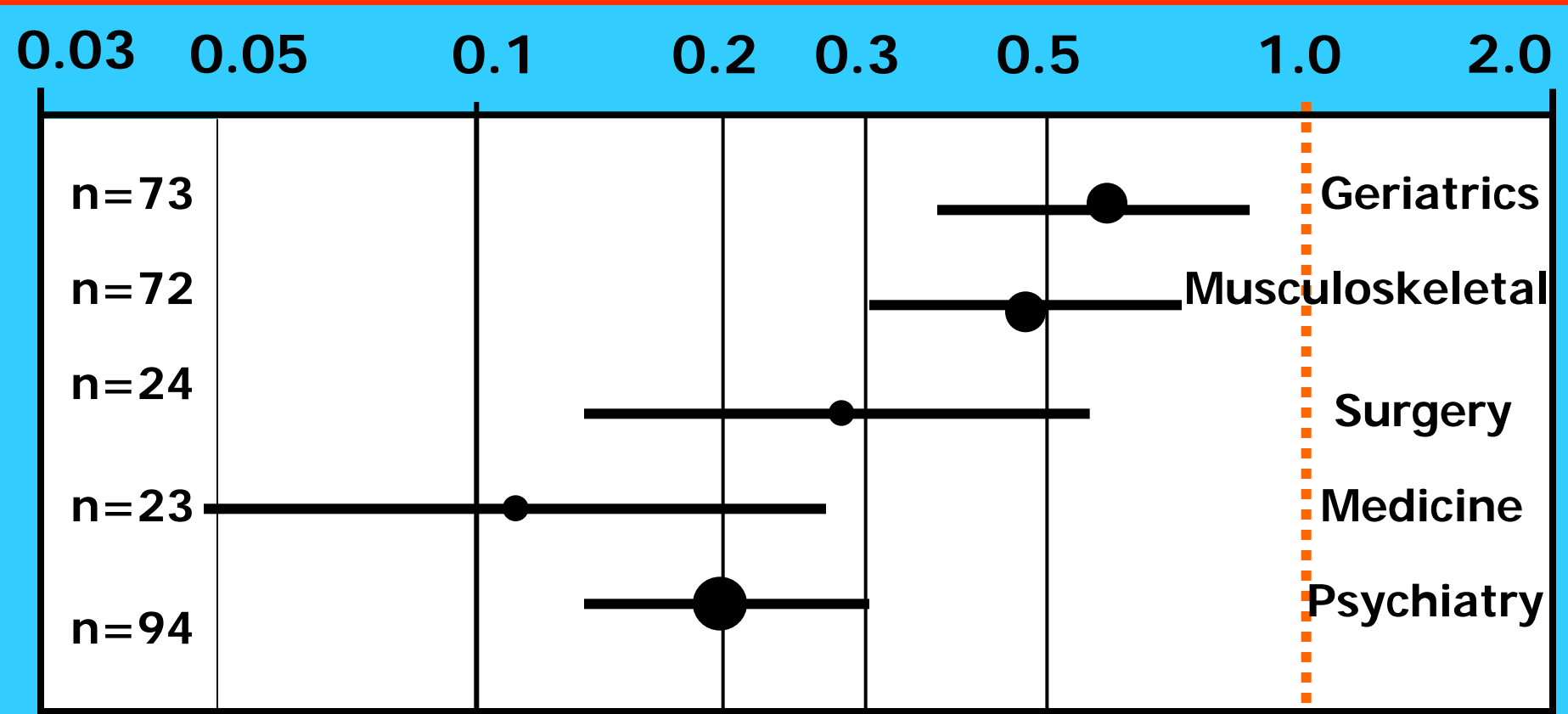
**377 placements**

**5 subjects**

**27 Hospitals**

**286 replies (76%)**

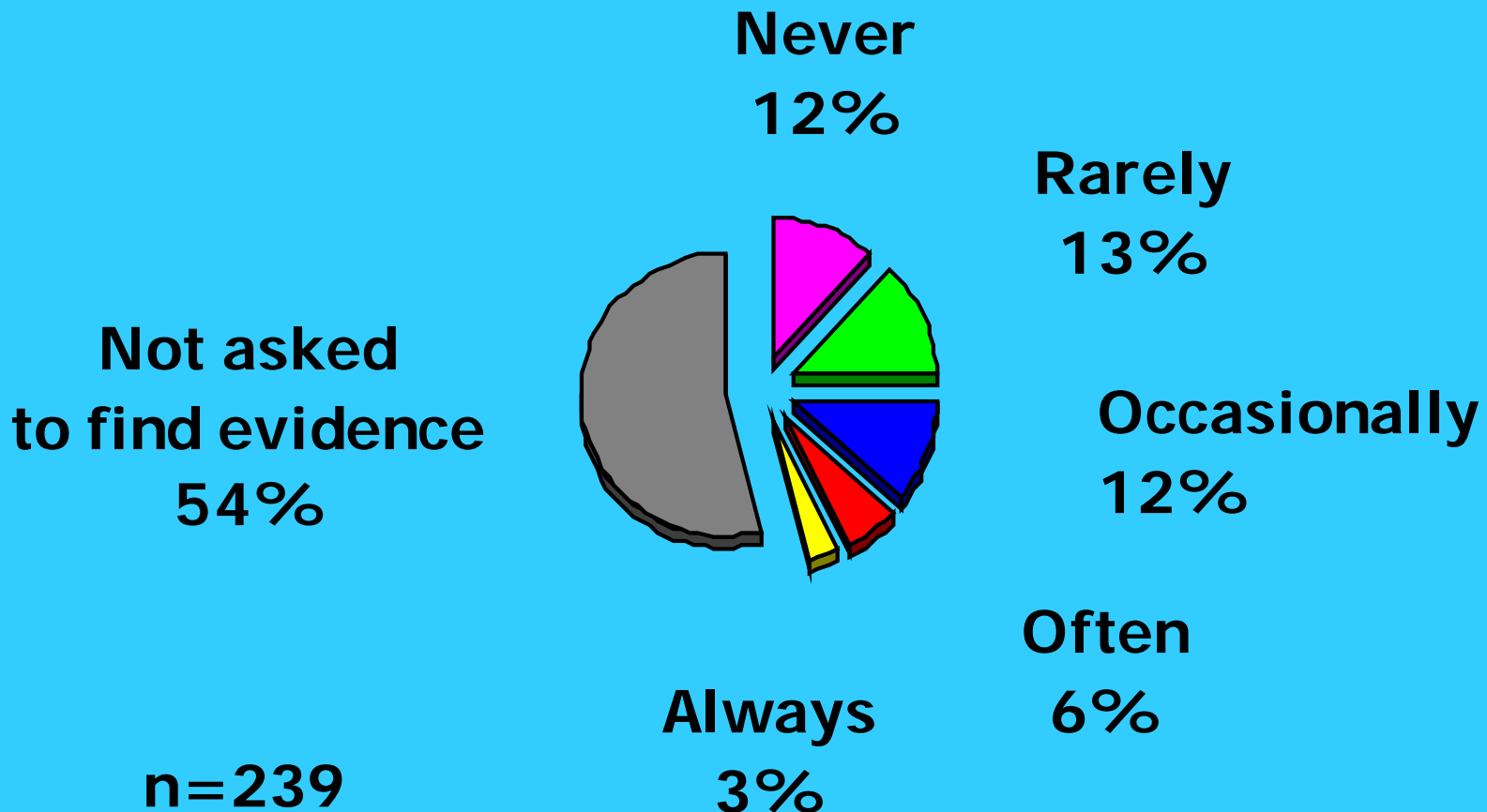
# Odds of high teaching scores for EBM



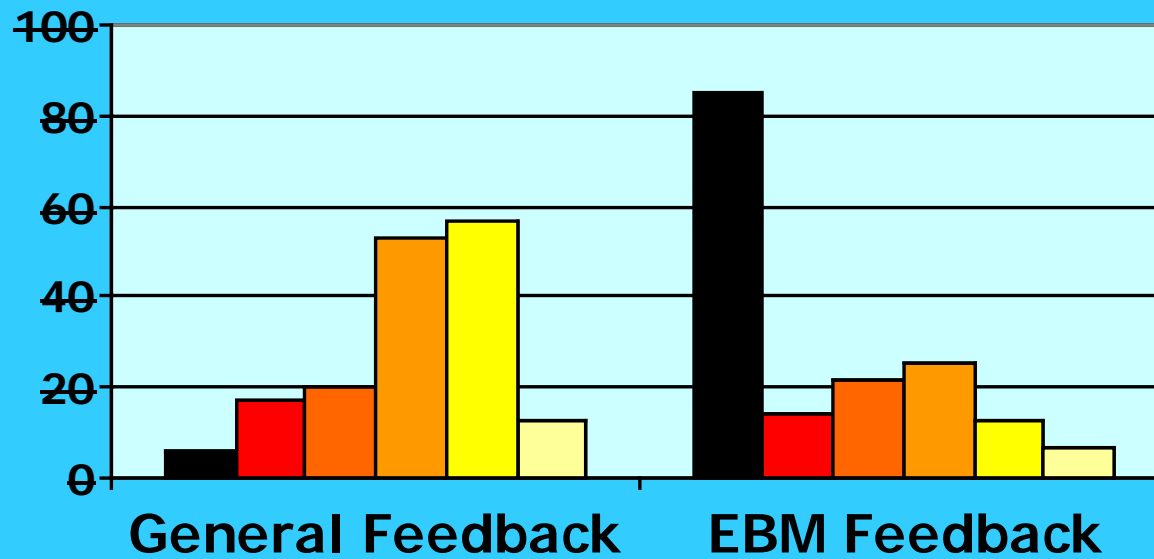
All  $p < 0.002$

Students' perceptions

# Feedback on evidence



# Frequency of feedback



n=239 3<sup>rd</sup> 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**

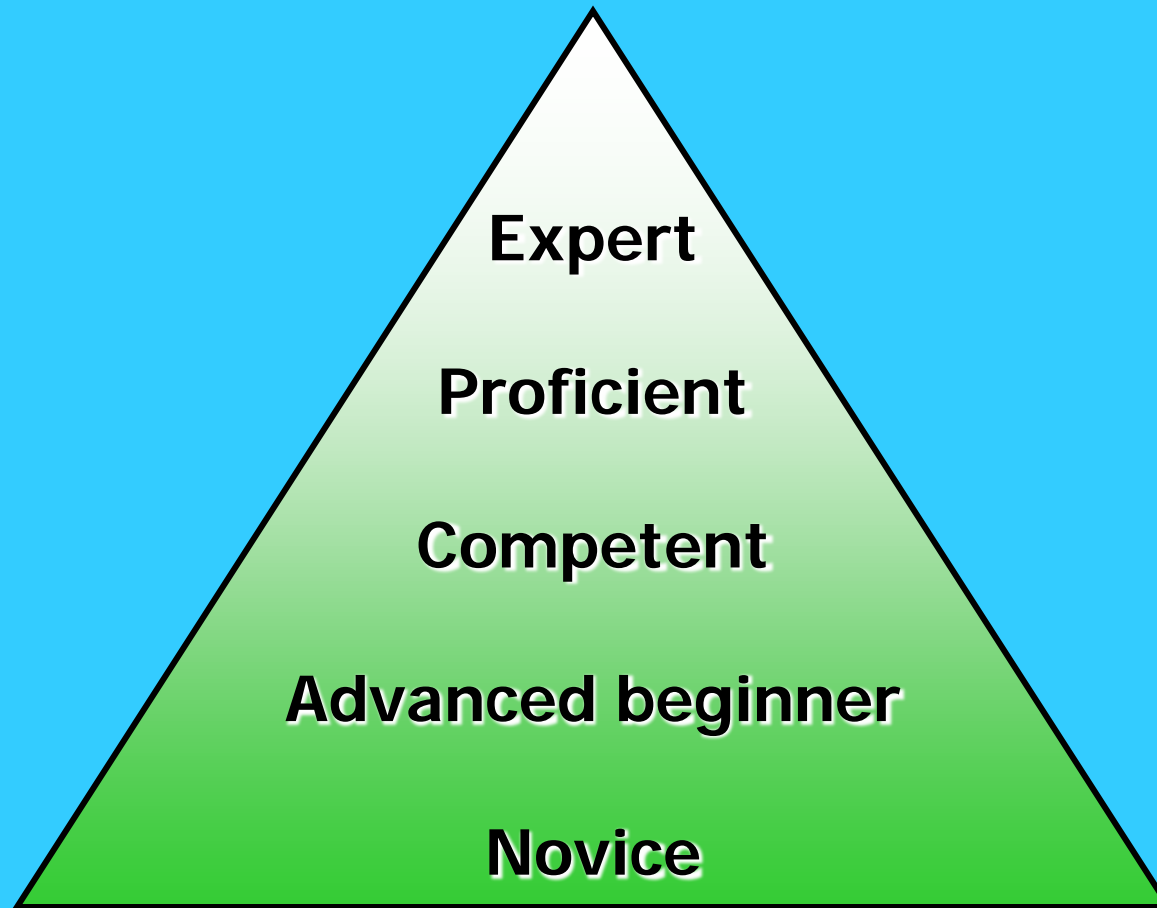
**May be under-prepared for EBP**

# Summary

**“ Flies can’t fly into a closed mouth ”**

**- Sicilian proverb**

# Dreyfus' model of medical knowledge



Eraut, 1994