

What explains the ethnic gap in attainment at medical school?

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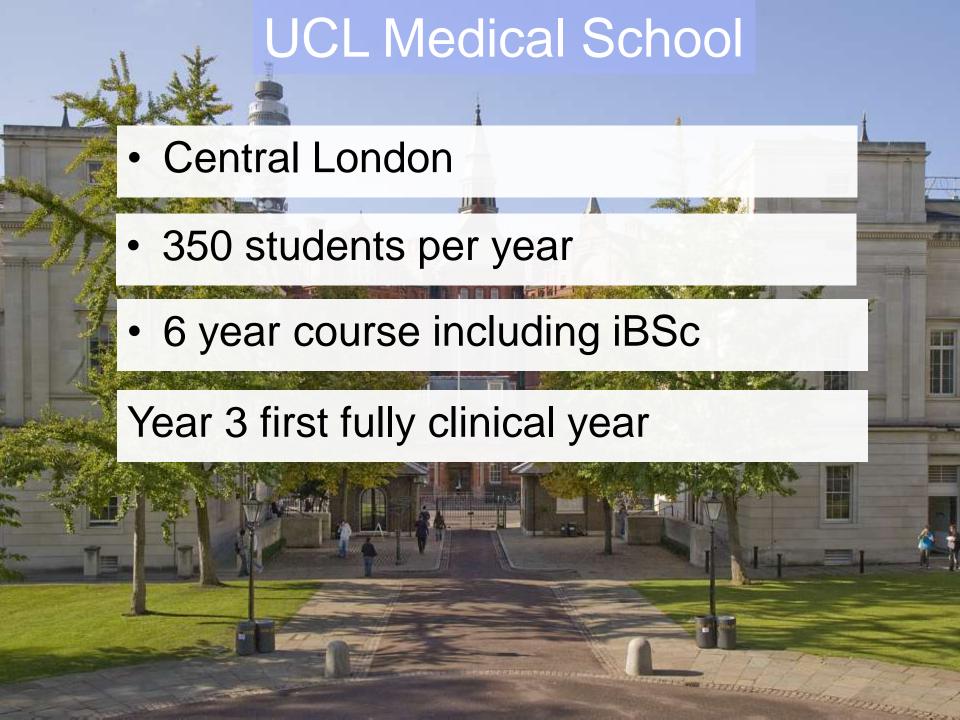


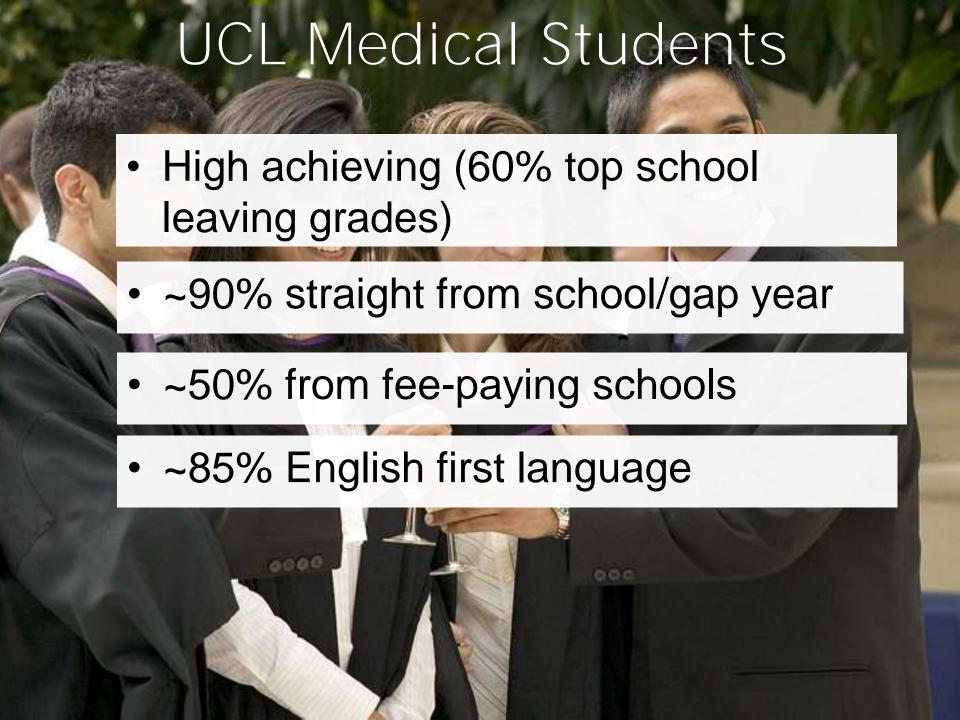
4.3 Degree attainment

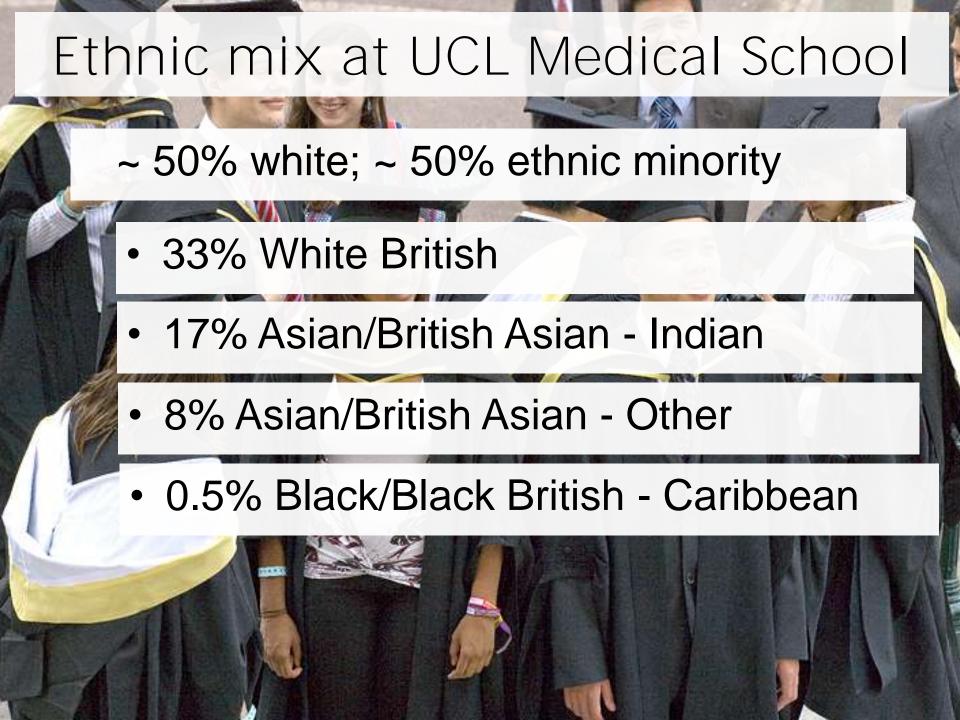
A number of factors are known to affect degree outcome, including student age, gender, prior attainment, ethnicity, social class and subject of study, often in combination, as previous research has shown. 10 In particular:

- men are likely to get a lower degree classification than women, except when it comes to attaining a first, where there is little difference
- = the likelihood of getting a first increases with age
- white students attain higher degree classes than BME students.

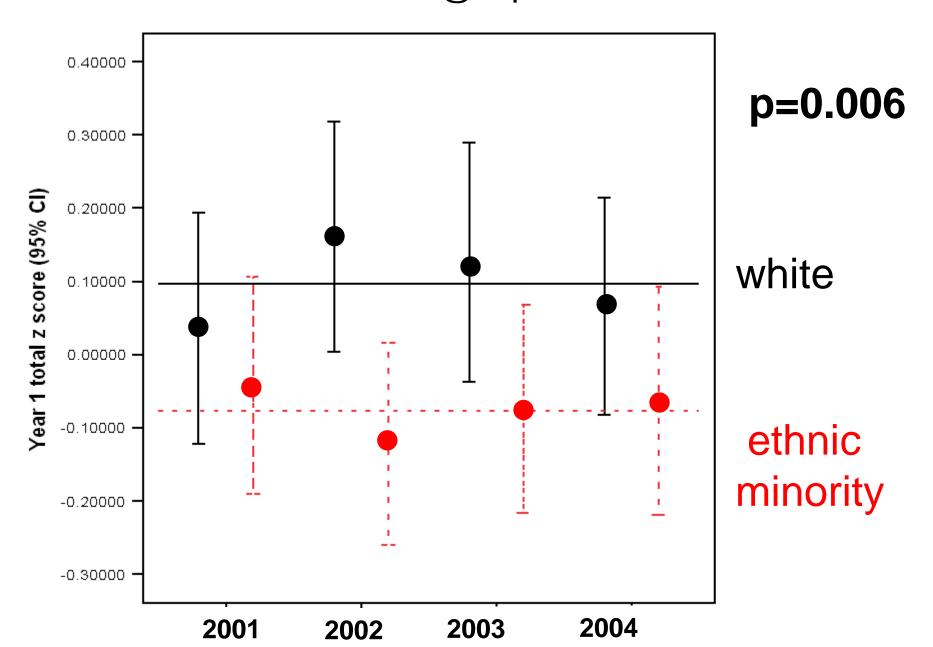
The attainment gap between white and some BME groups is wide: in the DfES research it was shown that 66% of white students got a first or upper second class degree in 2003/04 compared with 45% of black Caribbean and 43% of black African students. The DfES research showed that after controlling for the majority of factors that would be expected to have an impact (using HESA data), being from a minority ethnic group (with exception of mixed, other black and other groups) was still a statistically significant factor explaining attainment, although the gap is reduced. The ECU/Higher Education Academy project did not find any information to contradict the DfES findings, and showed that the cause of degree attainment



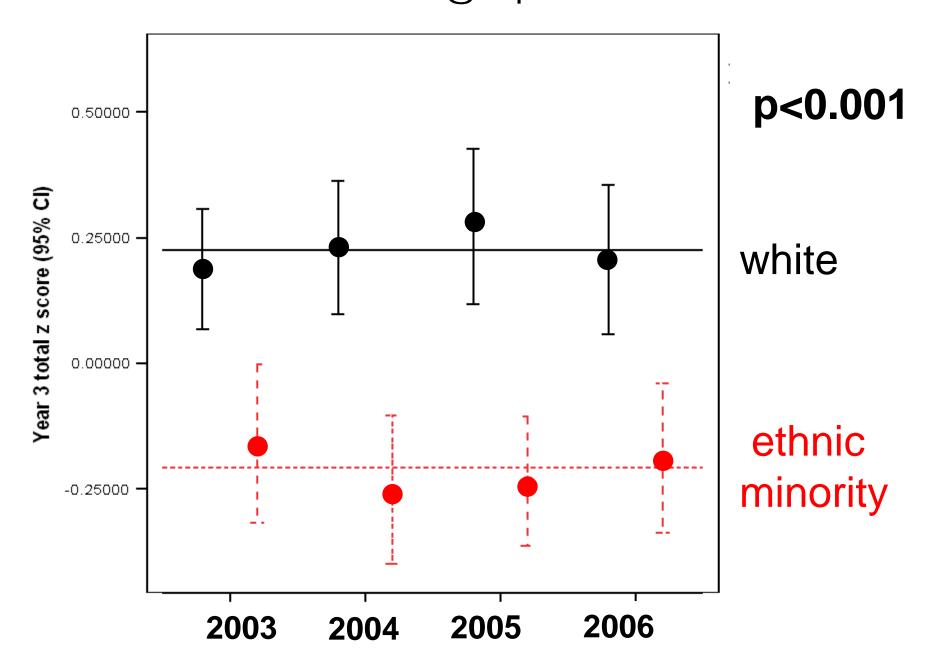




The ethnic gap in Year 1



The ethnic gap in Year 3

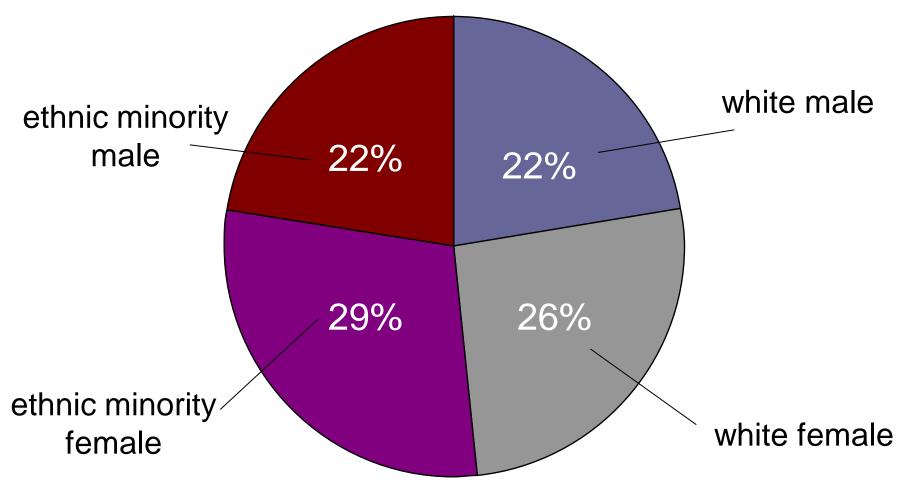


Why?

- Language?
- Schooling / school leaving grades?
- Socioeconomic group?
- Living at home?
- Motivation for studying medicine?
- Learning habits/styles?
- Subgroups?
- Knowing 'the system' or 'fitting in'?

Questionnaire study

n=1441 UCL students in Year 1 & Year 3



Were there ethnic differences on questionnaire variables?



Language?



- Spoke English as a second language
- Had parents who speak English as a second language

Both significantly related to lower Year 3 scores (p<0.05)

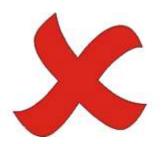
Socioeconomic group/ parents' occupation?

Socioeconomic group/ parents' occupation?



no difference in socioeconomic group

Socioeconomic group/ parents' occupation?



no difference in socioeconomic group





Ethnic minority students MORE likely to have doctor parents

Fee paying vs state school?



Fee paying vs state school?

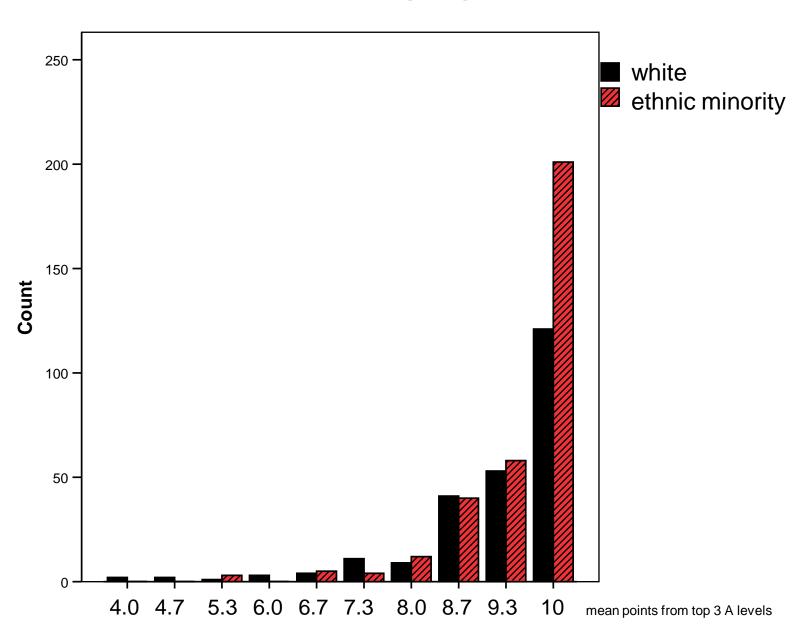




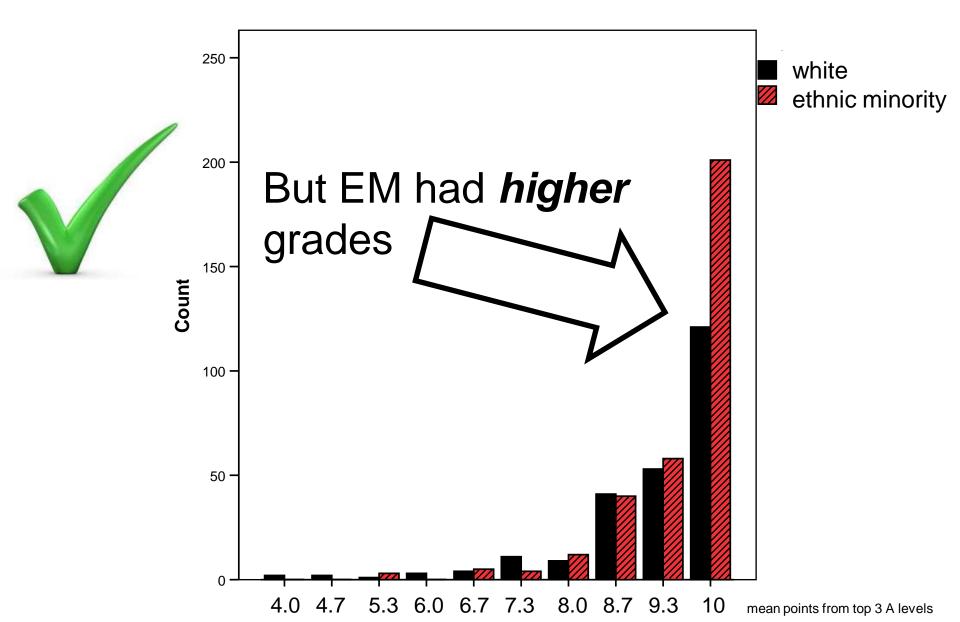
white and ethnic minorities equally likely to attend fee-paying school



School leaving grades?



School leaving grades?



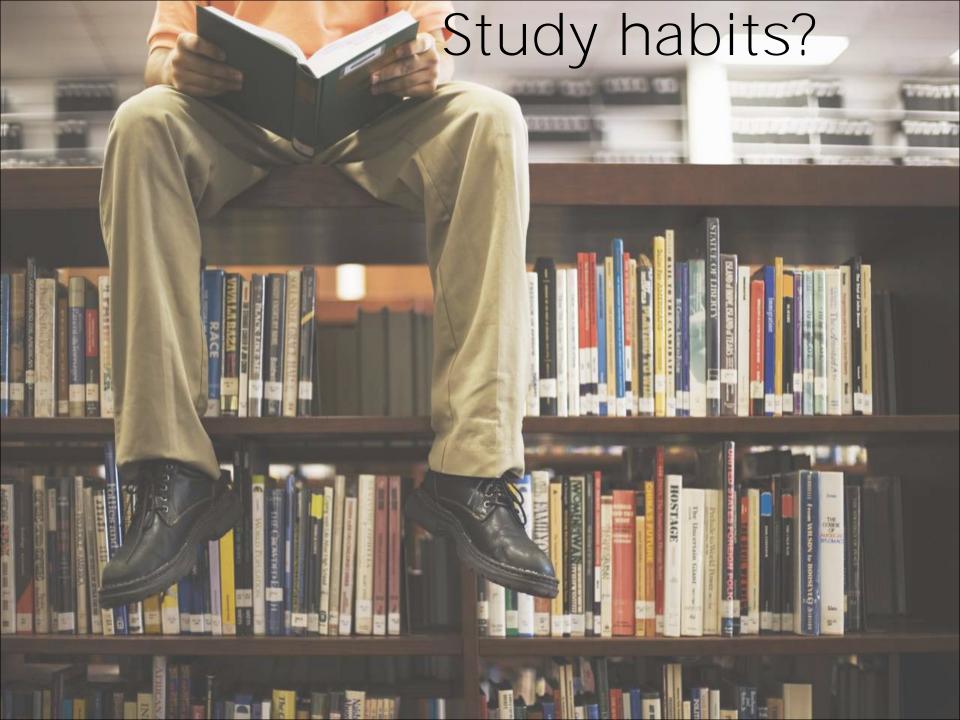


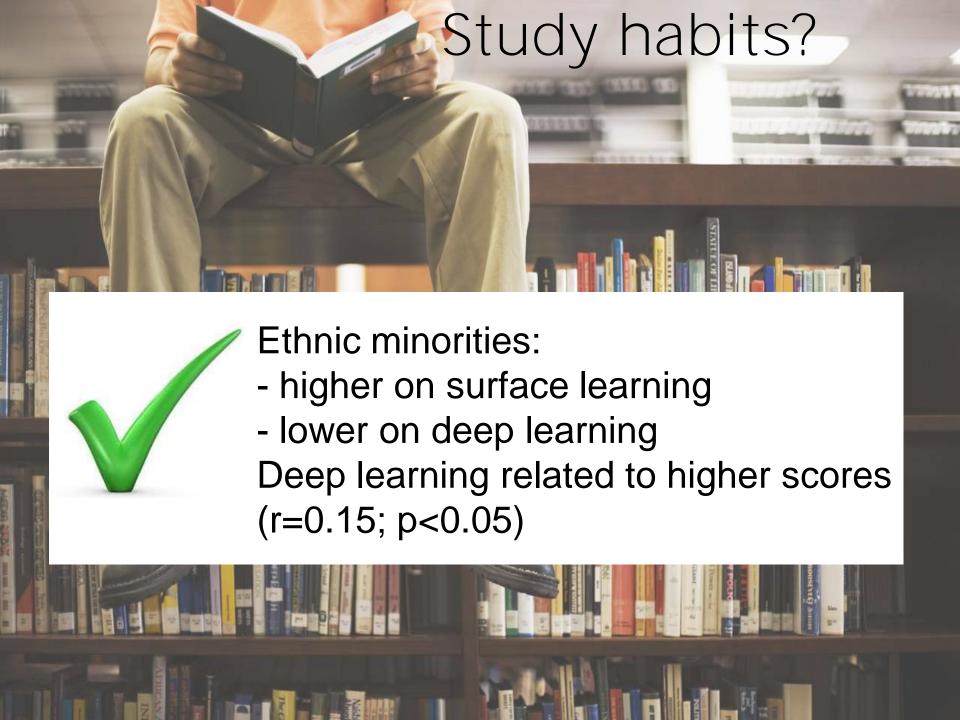


- More whites are graduates
- Graduates scored higher in Year 3 (r=0.09; p<0.05)









1. Helping people

- 2. Financial security and status
- 3. Responsibility and leadership
- 4. Interesting career



Motivation?

- 1. Helping people
- 2. Financial security and status
- 3. Responsibility and leadership
- 4. Interesting career



ethnic minorities more motivated by "interesting career" factor in Year 1 only (t=-2.7; p=0.006)



Live at home?



Live at home?



ethnic minorities more likely to live at home

students living at home scored lower in exams (r=-0.10; p<0.05)



Did these differences explain the ethnic gap?

Multiple regression - Year 1

	Beta	P value
Surface	.027	.530
Deep	.040	.409
Strategic	010	.845
Graduate	.036	.482
Helping others	.019	.653
Financial rewards	.007	.855
Responsibility	072	.079
Interesting	001	.976
English first language	056	.197
Neuroticism	.027	.509
Extraversion	087	.036
Openness	.060	.148
Agreeableness	.026	.539
Conscientiousness	.128	.009
Ethnicity	136	.004
Sex	074	.067
Age	.016	.757
Parents' first language	011	.824
At least one doctor parent	.012	.746

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Multiple regression - Year 3 total

	Beta	p value
Live at home	067	.107
Surface	040	.361
Deep	.082	.097
Strategic	.101	.068
iBSc	.080	.073
Graduate	.160	.011
Financial rewards	.058	.173
Helping others	057	.198
Interesting	.021	.601
Responsibility	.042	.293
English first language	.081	.065
Neuroticism	.033	.407
Extraversion	037	.377
Openness	040	.355
Agreeableness	005	.904
Conscientiousness	.085	.090
Age	.074	.201
Ethnicity	176	.000
Sex	.106	.009
Parents first language	039	.459

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psychological and demographic factors

ethnicity

Exam scores

psychological and demographic factors ethnicity

Exam scores

