***Supplementary Table 4: Results of logistic regression modelling.***

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | **Outcome 1** | | | | **Outcome 2** | | | |
|  | | **Applied to Core Psychiatry training** | | | | **Applied solely to Core Psychiatry training** | | | |
|  | | **Model 1**  **Sample A**  **All medical  school entrants** | | **Model 2**  **Sample B**  **Non-graduate entrants only** | | **Model 3**  **Sample A**  **All medical  school entrants** | | **Model 4**  **Sample B**  **Non-graduate entrants only** | |
| Predictor | df | X² | P value | X² | P value | X² | P value | X² | P value |
| BME | 1 |  | n/s |  | n/s | 14∙07 | 0∙0002 | 12.99 | 0∙0006 |
| Disability | 1 |  | n/s |  | n/s |  | n/s |  | n/s |
| Secondary School Type | 1 |  |  | 3∙97 | 0∙0342 |  |  |  | n/s |
| Age on entry to medical school | 1 | 11∙79 | 0∙005 |  |  | 3∙99 | 0∙0326 |  |  |
| Medical School Entry Status | 2 |  | n/s |  |  | n/s |  |  |  |
| Medical School | 32 |  | n/s |  | n/s |  | n/s |  | n/s |
| EPM top two quartiles | 1 | 16∙20 | 0∙0001 | 13∙38 | 0∙0003 | 9∙99 | 0∙0016 | 10∙67 | 0∙0002 |
| Foundation School | 26 |  | n/s |  | n/s |  | n/s |  | n/s |
| Model statistics | |  | | | |  | | | |
| Minimum required sample size | | 1357 | | 1304 | | 2214 | | 2353 | |
| Actual sample size | | 6603 | | 4717 | | 6601 | | 5206 | |
| Mean probability  Standard Deviation  (95% CI) | | 0∙0516  0∙0306  (0∙0028-0∙4674) | | 0∙0460  0∙0303  (0∙0043-0∙1368) | | 0∙0271  0∙0273  (0∙0229-0∙0307) | | 0∙0255  0∙0200  (0∙0213-0∙0298) | |
| Hosmer-Lemeshow Test | | X²(8) = 6∙87  P = 0∙5503 | | X²(8) = 2∙74  P = 0∙9495 | | X²(8) = 7∙98  P = 0∙4353 | | X²(8) = 11∙44  P = 0∙1782 | |
| Area under ROC Curve | | 0∙6626 | | 0∙6841 | | 0∙6816 | | 0∙6929 | |
| Blank cells = non-significant predictor in preliminary model and excluded from final model n/s = non-significant predictor in reported final model | | | | | | | | | |