

MRCGP Statistics 2012-2013

Annual Report (August 2012 – July 2013) on the results of the AKT and CSA Assessments

Introduction

This Report relates to the formal MRCGP assessments conducted in the academical year 2012-13. It presents the statistics that summarise the outcomes of all the diets of the MRCGP examinations during that period – the Applied Knowledge Test (AKT – 3 diets) and the Clinical Skills Assessment (CSA – 4 diets).

The Report first presents an updated summary of both of these assessments and their standard-setting procedures. Further information may be found on the College's website. Tables follow, first for the AKT and then for the CSA. These give information on the candidature and the attempts at the test, for each of them:

- Candidate Demographics:
Source/Year of Primary Medical Qualification, Sex, Ethnic Group, Training Deanery, UK Medical School
- Main Results: Overall and by Exam Diet and Attempt
- Results by Individual Demographics (candidates on first attempt)
- Detailed Results by Training Deanery
- AKT mean sub-component scores, by candidate year of training
- CSA feedback statements for all candidates: aggregate summaries by source of PMQ
- CSA case performance by curriculum areas
- CSA: information about sex and ethnic group of role players

This report is descriptive, only. Data are presented without psychometric comment other than that which follows and at the end of the report, reviewing test accuracy and reliability. Candidates self-report their demographic variables, but wherever possible these are checked against the GMC's List of Registered Medical Practitioners. The reported 'attempt' is from the College's records.

This Report has been developed following comments from the College's Assessment Development Committee, especially the Deanery representatives. It presents requested detailed variations amongst Deaneries.

Please Note:

a) Interactions between variables: as in previous years, there are many significant differences between sub-groups on their performance on both the tests reported, for example by gender and country of primary medical training. But variables may well interact with others, to potential confusion of the unwary.

b) As increasing use is made by overseas (and UK) candidates of **medical schools in other countries**, 'country of primary medical qualification' should not be equated with 'country of origin/secondary education'. This applies particularly to medical qualifications from certain Caribbean and central- and eastern-European countries. Data from the PLAB office show that, after Pakistani and Indian nationals, British nationals are the third commonest national group to sit the PLAB assessments.

c) The report provides only a **snapshot** of the results of a developing set of assessment procedures, and specific sub-group results can change, year on year. Bigger pictures can be seen by contrasting it with earlier reports.

d) Teething problems with the College's new building meant that, because of unacceptable noise, **some candidates sitting the November 2012 and May 2013 CSA were allowed an additional 'non-counting' attempt** subsequently. The original scores of these candidates have been replaced by their re-take scores.

Acknowledgements: As ever, I am very grateful to the two Clinical Assessment Leads (currently: Carol Blow, AKT and Adrian Freeman CSA) for their advice and support in preparing this report. They wrote the introductory comments on their respective components and scanned the draft report.

Richard Wakeford
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1: Summary of the Assessments and their Standard-Setting Procedures

The MRCGP and its Function

The MRCGP comprises three sets of assessment procedures whose combined summative function is to assure the Deaneries, the College and the GMC of the competence of exiting trainee General Practitioners (GPs) across a broad and carefully-defined three year (occasionally, four) full-time training curriculum. Satisfactory completion of the three assessment components of the MRCGP renders a trainee (GP Specialist Registrar) eligible to apply both for a Certificate of Completion of Training (CCT) from the GMC (and thus to proceed with her or his career) and for Membership of the Royal College (which will *inter alia* support the doctor's continuing professional development and probable re-validation).

The MRCGP's three assessment components are the following, each of which must be separately passed:

- a. **Applied Knowledge Test** (multi-choice computer-presented 'paper', available in test centres throughout the UK)
- b. **Clinical Skills Assessment** (an integrated test of clinical and consulting skills, taken in a single assessment centre)
- c. **Workplace-based Assessments** delivered throughout the three-year training programme by Clinical Supervisors, Trainers and others

The curriculum, the training and the assessments are based on medical practice in the UK National Health Service. Entry to the assessments is only permissible to doctors undergoing GP training within the UK state health care system. Accordingly, no external candidates take these assessments, as happens in certain other Royal Colleges' examinations. (The College has other arrangements to support GPs practising in other countries and who seek affiliation or Membership through the quite separate 'MRCGP [International]' assessment route, see the College website.)

Note that the workplace-based assessments, being essentially formative, with candidate performance and development on them being reviewed towards a determination of progression annually by the Deaneries and not the College, are not covered by this report. Please also note that the report, for convenience of comprehension, reports on the 'Stages' of training as 'Years': for most trainees, the two are operationally synonymous, but for part-time trainees, of course, the 'Stages' will be longer. Currently, trainees studying less than full time are not separately identified in the annual report.

The Applied Knowledge Test

The multi-choice **Applied Knowledge Test** is a 3-hr 200-item computer-delivered and marked assessment which was previously available in any of the three years of training (Year 1 = ST1 etc); for candidates who commenced training since August 2010, the AKT has only been available in the ST2, 3 and additional 4th years. Offered three times a year, the AKT is delivered by computer in professional testing centres around the UK run by Pearson VUE.

The test's 200 items are in four formats: single best answer (including images and graphics), extended matching questions, completion of tables/algorithms, and a small number of free text answers. A test specification is used to ensure adequate sampling across the curriculum. 80% of the items are on clinical medicine, and research/evidence-based practice and legal/ethical/ administration issues are each represented by 10% of the questions. Irrespective of the question format, candidates are awarded one mark for each item answered correctly. Marks are neither deducted for incorrect answers nor for failure to answer.

The standard for the AKT is set using a modification of the Angoff procedure, where a group of 'judges' periodically estimates the performance of a notional 'just good enough to pass' candidate on each test item. The standard takes account of the 'guessing factor' always present in multi-choice tests. In order to ensure that standards are set at appropriate and realistic levels, a patient representative, newly-qualified GPs, and representatives of bodies with a stake in the outcome of the examination (including the training community) are invited to act either as judges or observers, as appropriate, in the standard-setting process. This standard is maintained between 'Angoffs' by the use of test equating, using sets of items with known performance characteristics.

A 'just passing score' (JPS) is accordingly determined for the test as a whole, and a statistical review may sometimes cause the removal of one or two poorly-performing test items on any diet. The measurement error of the resultant test is then calculated, and a passing standard ('pass-mark') set, taking account of this measurement error, as is usual in high stakes testing. The accuracy of the AKT is estimated by calculating Cronbach's *alpha* (reliability), together with the measurement error. Candidates are then provided with their results, and their scores on the test as a whole and on its three sub-sections.

It should be noted that, as the pass-mark varies slightly between diets because of small changes in the overall difficulty of the paper, raw or percentage scores need to be adjusted to a common pass-mark (here, zero) to permit comparability.

The Clinical Skills Assessment

The **Clinical Skills Assessment** is an OSCE-style assessment using simulated patients or role players that may be taken only in the final year of training (Year 3 = ST3, or the fourth year of an extended training programme). Since 2010, the CSA has comprised 13 cases or 'stations'. The CSA was until 2012 delivered in a purpose-built assessment centre (in Croydon, South London), but from November 2012, it took place in an assessment centre in the College's new headquarters building in Euston. Up to (and normally) three circuits run simultaneously.

A case is depicted by a role player, and candidate performance assessed by an examiner who accompanies the role player for the day. Each case lasts 10 minutes (plus two minutes marking/changeover time). Candidates have their own 'consulting room', and the role players move around the circuits' consulting rooms like patients, accompanied by their examiner.

Cases, written by dedicated writers who are practising GPs, present typical clinical scenarios that a UK GP will encounter. Cases are written to represent the diversity of the whole UK population. Each case is mapped on to the curriculum with intended learning outcomes, and a blueprint is used to guide case selection—a complex procedure as the cases necessarily change each day for reasons of security and fairness, yet each day's 'palette' must meet the blueprint's specifications and be equivalently challenging.

The standard-setting method used is the borderline group method, as recommended to the College by the Regulator (the GMC). Each case is graded on three domains: Data Gathering, Examination and Clinical Skills; Clinical Management Skills; and Interpersonal Skills. Each domain is graded as: Clear Fail – Fail – Pass – Clear Pass. For standard-setting purposes only, the examiners also provide a grade to indicate the certainty of their judgement on that case – in particular if they felt that overall the candidate may be on the borderline between pass and fail.

The domain grades awarded on a case are given a numerical equivalent (zero to three, respectively) and combined to provide a case score: these are summated over the 13 cases to give a final score (which will be between zero and 117). The "cut score" – the half-way point between pass and fail – is established by the normal borderline group method. The final pass score is an adjustment of that score to take account of measurement error, as in the AKT, with the level being confirmed by an adjudicating group which includes recently-qualified GPs, lay representatives, and key stakeholders from the training community.

The overall standard of the assessment is set by ensuring that both that the cases are at an appropriate level of difficulty and challenge and that the examiners are adjudging passing performance on any case at the same, agreed level – appropriate for independent and safe practice as a GP in the NHS. A variety of support mechanisms are in place: calibration exercises at the beginning of each day of the CSA; initial and on-going training of examiners; and an annual two-day examiners workshop to calibrate the whole panel regularly and maintain process validity.

The reliability of the CSA is estimated by calculating Cronbach's alpha using the numerical scores and accuracy calculated by the Standard Error of Measurement (SEm). Because of daily case and examiner differences, these statistics require to be estimated separately each day, thus on a maximum of 78 candidates. And because of varying candidate numbers and daily variations in the range of candidate ability, the statistic varies, too.

Throughout this report, CSA outcomes used include the result (pass/fail) and scores adjusted to a common pass mark (zero).

2: Notes on the Tables and Statistics

General Notes: Conventions in the Charts and Tables

Tables are accompanied where possible by charts, to assist those who prefer visual rather than numerical summaries of data. Where space prevents the charts being of adequate size to read (for example) the axis scales, the relevant table should be inspected for this detail.

The colour convention adopted for the charts is as follows:

BARS etc representing **passing** candidates: **BLUE**

BARS etc representing **failing** candidates: **RED**

Charts which do not distinguish between passing and failing candidates: **GREY**

A **DOTTED RED LINE** on a histogram denotes the passing standard

A **DOTTED GREEN LINE** on a histogram denotes the mean score for the group whose performance is represented

Certain histograms show contrasting distributions of candidates where numbers in a single group are small. To permit visibility of these small groups, the Y-axes of the histograms have been presented in a log, as opposed to a linear, scale. The relevant charts have a small label to alert the reader, as shown here. On the charts generally, groups representing single candidates have been removed, where appropriate, to avoid embarrassment.

NB: Log scale

Tables containing data also supplied to the GMC are separated out into UK, EEA, and 'rest of the world' graduates (RoW). Elsewhere, the two last groups (EEA and RoW) are combined into a single group – 'IMGs'; this is due to a general overall similarity in performance between the EEA and RoW groups, small numbers in the former, and increasing practical overlap of the two groups with both British and overseas (non-EEA) students taking EEA qualifications.

Note regarding the Interpretation of the AKT statistics

Some candidates appear twice (567) or three times (113) within this annual database on the AKT, because of retakes. Except in the Summary of Demographic Information, the statistics "for all candidates" aggregate all 3872 candidates' 4552 attempts in this period. However, where the tables present comparisons between candidates on the basis of demographic variables (gender, ethnicity, the origin of candidates' primary medical qualifications, training deanery), they mostly do so on the basis of 'first attempts' only: otherwise re-sitters will bias the results. The groups upon which each table is based are made clear in its heading.

Readers may notice that figures in this report do not always concur precisely with those given in reports of AKT examinations on the College website. The latter normally show totals and pass rates for *all* AKT candidates, including a few GP 'returners'. The figures in this report refer only to candidates 'in training' and formally eligible for the current MRCGP.

Note regarding the Interpretation of the CSA statistics

Two databases were constructed for the 2012-13 examination period: one is candidate-based, including all information about a candidate-attempt at the examination, and is designed to provide generic reporting functionality towards requirements such as this report; the other is candidate-consultation based, and intended to provide QA and developmental information regarding the cases and the examiners: it has been used here to provide the information on 'feedback statements' in the final table of the report and summaries of overall case performance.

Some candidates appear twice (701) or three times (71) within this annual database on the CSA, because of retakes. Except in the Summary of Demographic Information, the statistics "for all candidates" aggregate all 3282 candidates' 4054 attempts in this period.

Data Inconsistencies: Caution

Minor data inconsistencies result from a variety of causes, inevitably in an undertaking of this complexity that combines 'examination' data with background 'personnel' information from a number of computing databases. For example:

- Most of the candidates' personal background data is self-reported on registration for assessments. It is thus subject to entry error, though major data fields have been checked by reference to the GMC's LRMP; for the same reason, data are occasionally missing
- Candidates' circumstances change – for example, they may move from one training region to another, within the year, or between part-time and full-time training

However, the College would as always appreciate learning of any serious apparent errors or omissions in the data reported (for which the compiler apologises in advance). Please email him at rew5@cam.ac.uk

3: AKT Statistics

A: Summary of Candidate Demographics

3872 candidates made a total of 4552 attempts at the AKT during 2012-13. The tables below show the origin of the 3872 candidates, by UK medical school or non-UK country of primary medical qualification—and the percentage from each out of the total of that part of the candidature.

Overleaf, the background demographic characteristics of the 3872 are shown, by training Deanery. Other tables report on the attempts.

1. Source of Primary Medical Qualification; year of qualification

UK, EEA or RoW Graduate

| | Frequency | Percent |
|--------------|-----------|---------|
| UK Graduate | 2731 | 70.5 |
| EEA Graduate | 136 | 3.5 |
| RoW Graduate | 1005 | 26.0 |
| Total | 3872 | 100.0 |

Country of Qualification^a

| | Frequency | Percent |
|----------------|-----------|---------|
| Austria | 5 | 3.7 |
| Belgium | 1 | .7 |
| Bulgaria | 4 | 2.9 |
| Czech Republic | 29 | 21.3 |
| Denmark | 2 | 1.5 |
| Germany | 10 | 7.4 |
| Greece | 1 | .7 |
| Hungary | 7 | 5.1 |
| Ireland | 12 | 8.8 |
| Italy | 1 | .7 |
| Latvia | 3 | 2.2 |
| Lithuania | 2 | 1.5 |
| Malta | 1 | .7 |
| Netherlands | 1 | .7 |
| Poland | 29 | 21.3 |
| Romania | 22 | 16.2 |
| Slovakia | 3 | 2.2 |
| Spain | 2 | 1.5 |
| Switzerland | 1 | .7 |
| Total | 136 | 100.0 |

a. UK, EEA or RoW Graduate = EEA Graduate

UK Medical School

| | Frequency | Percent |
|--------------------------------|-----------|---------|
| Aberdeen | 77 | 2.8 |
| Belfast | 54 | 2.0 |
| Birmingham | 182 | 6.7 |
| Brighton and Sussex | 45 | 1.6 |
| Bristol | 87 | 3.2 |
| Cambridge | 24 | .9 |
| Dundee | 57 | 2.1 |
| Edinburgh | 54 | 2.0 |
| Glasgow | 81 | 3.0 |
| Hull York | 55 | 2.0 |
| Keele | 3 | .1 |
| Leeds | 120 | 4.4 |
| Leicester | 100 | 3.7 |
| Liverpool | 138 | 5.1 |
| London – Barts and the London | 166 | 6.1 |
| London – Imperial College | 107 | 3.9 |
| London – King's College | 149 | 5.5 |
| London – School Unknown | 1 | .0 |
| London – St George's | 95 | 3.5 |
| London – University College | 132 | 4.8 |
| Manchester | 230 | 8.4 |
| Newcastle | 118 | 4.3 |
| Norwich (UEA) | 44 | 1.6 |
| Nottingham | 105 | 3.8 |
| Oxford | 30 | 1.1 |
| Peninsula | 63 | 2.3 |
| Sheffield | 111 | 4.1 |
| Southampton | 86 | 3.1 |
| Wales – incl Cardiff & Swansea | 138 | 5.1 |
| Warwick | 79 | 2.9 |
| Total | 2731 | 100.0 |

Candidates from the Rest of the World: see over

Country of Qualification^a

| | Frequency | Percent |
|------------------------|-----------|---------|
| Afghanistan | 5 | .5 |
| Albania | 2 | .2 |
| Algeria | 2 | .2 |
| Armenia | 2 | .2 |
| Australia | 1 | .1 |
| Bangladesh | 26 | 2.6 |
| Belarus | 5 | .5 |
| Bolivia | 1 | .1 |
| Bosnia And Herzegovina | 1 | .1 |
| Brazil | 5 | .5 |
| Burundi | 1 | .1 |
| Cayman Islands | 2 | .2 |
| China | 3 | .3 |
| Colombia | 3 | .3 |
| Congo Dem Rep | 2 | .2 |
| Croatia | 1 | .1 |
| Cuba | 3 | .3 |
| Dominica | 1 | .1 |
| Dominican Republic | 1 | .1 |
| Egypt | 16 | 1.6 |
| Ethiopia | 2 | .2 |
| Georgia | 3 | .3 |
| Ghana | 5 | .5 |
| Grenada | 2 | .2 |
| Guyana | 4 | .4 |
| Haiti | 1 | .1 |
| India | 281 | 28.0 |
| Iran | 20 | 2.0 |
| Iraq | 40 | 4.0 |
| Jamaica | 6 | .6 |
| Jordan | 2 | .2 |
| Kazakhstan | 1 | .1 |
| Kenya | 2 | .2 |
| Kyrgyzstan | 1 | .1 |
| Libya | 6 | .6 |
| Malaysia | 2 | .2 |
| Moldova | 1 | .1 |
| Morocco | 1 | .1 |
| Myanmar | 6 | .6 |
| Nepal | 6 | .6 |
| Nicaragua | 1 | .1 |
| Nigeria | 144 | 14.3 |
| Pakistan | 248 | 24.7 |
| Philippines | 8 | .8 |
| Russian Federation | 23 | 2.3 |
| Saint Kitts And Nevis | 8 | .8 |
| Saint Lucia | 1 | .1 |
| Senegal | 2 | .2 |
| Serbia | 5 | .5 |
| Sierra Leone | 2 | .2 |
| South Africa | 10 | 1.0 |
| Sri Lanka | 17 | 1.7 |
| Sudan | 5 | .5 |
| Syria | 6 | .6 |
| Tajikistan | 1 | .1 |
| Trinidad And Tobago | 1 | .1 |
| Tunisia | 1 | .1 |
| Turkey | 3 | .3 |
| Uganda | 2 | .2 |
| Ukraine | 31 | 3.1 |
| United Arab Emirates | 3 | .3 |
| United States | 1 | .1 |
| Uzbekistan | 1 | .1 |
| Yemen | 1 | .1 |
| Zambia | 1 | .1 |
| Zimbabwe | 4 | .4 |
| Total | 1005 | 100.0 |

a. UK, EEA or RoW Graduate = RoW Graduate

Candidates by Qualification Year

Candidates by Year Of Qualification: UK, EEA or RoW Graduate

| Count | UK, EEA or RoW Graduate | | | Total |
|-------|-------------------------|--------------|--------------|-------|
| | UK Graduate | EEA Graduate | RoW Graduate | |
| 1977 | 0 | 0 | 1 | 1 |
| 1979 | 0 | 0 | 1 | 1 |
| 1980 | 1 | 0 | 1 | 2 |
| 1981 | 0 | 0 | 1 | 1 |
| 1982 | 0 | 0 | 1 | 1 |
| 1983 | 0 | 0 | 3 | 3 |
| 1984 | 0 | 0 | 3 | 3 |
| 1985 | 0 | 0 | 1 | 1 |
| 1986 | 0 | 0 | 6 | 6 |
| 1987 | 0 | 0 | 6 | 6 |
| 1988 | 0 | 0 | 9 | 9 |
| 1989 | 0 | 0 | 5 | 5 |
| 1990 | 0 | 0 | 15 | 15 |
| 1991 | 0 | 0 | 18 | 18 |
| 1992 | 2 | 1 | 21 | 24 |
| 1993 | 2 | 1 | 21 | 24 |
| 1994 | 4 | 2 | 26 | 32 |
| 1995 | 2 | 1 | 35 | 38 |
| 1996 | 1 | 1 | 37 | 39 |
| 1997 | 3 | 4 | 52 | 59 |
| 1998 | 4 | 2 | 69 | 75 |
| 1999 | 7 | 3 | 84 | 94 |
| 2000 | 7 | 6 | 88 | 101 |
| 2001 | 14 | 7 | 101 | 122 |
| 2002 | 19 | 10 | 95 | 124 |
| 2003 | 35 | 9 | 101 | 145 |
| 2004 | 53 | 13 | 69 | 135 |
| 2005 | 104 | 20 | 56 | 180 |
| 2006 | 190 | 16 | 40 | 246 |
| 2007 | 395 | 12 | 30 | 437 |
| 2008 | 860 | 15 | 8 | 883 |
| 2009 | 1028 | 13 | 1 | 1042 |
| Total | 2731 | 136 | 1005 | 3872 |

2. AKT Candidates' Sex, Ethnic Group and whether UK, EEA or international graduates, by Training Deanery

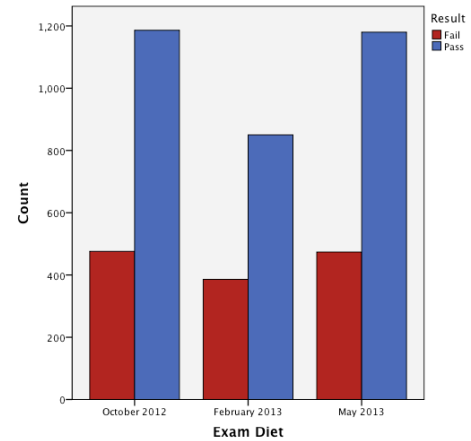
| Deanery | Candidate Sex | | UK, EEA or RoW Graduate | | | Candidate Ethnic Group | | | | | | Total |
|------------------------|---------------|-------|-------------------------|--------------|--------------|------------------------|--------------------|------------|-----------------|---------|-------|--------|
| | Female | Male | UK Graduate | EEA Graduate | RoW Graduate | Black | Chinese / SE Asian | Not Stated | Other Ethnicity | S Asian | White | |
| Armed Forces (Defence) | 14 | 14 | 28 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 27 | 28 |
| | 50.0% | 50.0% | 100.0% | .0% | .0% | .0% | .0% | 3.6% | .0% | .0% | 96.4% | 100.0% |
| East Midlands | 148 | 123 | 154 | 11 | 106 | 24 | 5 | 3 | 11 | 133 | 95 | 271 |
| | 54.6% | 45.4% | 56.8% | 4.1% | 39.1% | 8.9% | 1.8% | 1.1% | 4.1% | 49.1% | 35.1% | 100.0% |
| East of England | 206 | 153 | 204 | 21 | 134 | 36 | 7 | 2 | 18 | 179 | 117 | 359 |
| | 57.4% | 42.6% | 56.8% | 5.8% | 37.3% | 10.0% | 1.9% | .6% | 5.0% | 49.9% | 32.6% | 100.0% |
| East Scotland | 23 | 16 | 35 | 0 | 4 | 0 | 2 | 0 | 1 | 3 | 33 | 39 |
| | 59.0% | 41.0% | 89.7% | .0% | 10.3% | .0% | 5.1% | .0% | 2.6% | 7.7% | 84.6% | 100.0% |
| Kent, Surrey, Sussex | 213 | 159 | 202 | 25 | 145 | 42 | 8 | 2 | 29 | 148 | 143 | 372 |
| | 57.3% | 42.7% | 54.3% | 6.7% | 39.0% | 11.3% | 2.2% | .5% | 7.8% | 39.8% | 38.4% | 100.0% |
| London | 347 | 104 | 416 | 11 | 24 | 24 | 12 | 9 | 45 | 154 | 207 | 451 |
| | 76.9% | 23.1% | 92.2% | 2.4% | 5.3% | 5.3% | 2.7% | 2.0% | 10.0% | 34.1% | 45.9% | 100.0% |
| Mersey | 114 | 59 | 108 | 4 | 61 | 11 | 1 | 0 | 10 | 59 | 92 | 173 |
| | 65.9% | 34.1% | 62.4% | 2.3% | 35.3% | 6.4% | .6% | .0% | 5.8% | 34.1% | 53.2% | 100.0% |
| North Scotland | 36 | 24 | 40 | 1 | 19 | 8 | 1 | 0 | 3 | 14 | 34 | 60 |
| | 60.0% | 40.0% | 66.7% | 1.7% | 31.7% | 13.3% | 1.7% | .0% | 5.0% | 23.3% | 56.7% | 100.0% |
| North Western | 161 | 141 | 218 | 6 | 78 | 22 | 5 | 7 | 13 | 124 | 131 | 302 |
| | 53.3% | 46.7% | 72.2% | 2.0% | 25.8% | 7.3% | 1.7% | 2.3% | 4.3% | 41.1% | 43.4% | 100.0% |
| Northern | 94 | 79 | 113 | 9 | 51 | 12 | 2 | 2 | 17 | 57 | 83 | 173 |
| | 54.3% | 45.7% | 65.3% | 5.2% | 29.5% | 6.9% | 1.2% | 1.2% | 9.8% | 32.9% | 48.0% | 100.0% |
| Northern Ireland | 53 | 11 | 62 | 2 | 0 | 0 | 0 | 1 | 0 | 1 | 62 | 64 |
| | 82.8% | 17.2% | 96.9% | 3.1% | .0% | .0% | .0% | 1.6% | .0% | 1.6% | 96.9% | 100.0% |
| Oxford | 70 | 35 | 91 | 6 | 8 | 2 | 5 | 2 | 4 | 37 | 55 | 105 |
| | 66.7% | 33.3% | 86.7% | 5.7% | 7.6% | 1.9% | 4.8% | 1.9% | 3.8% | 35.2% | 52.4% | 100.0% |
| Severn | 78 | 44 | 118 | 0 | 4 | 0 | 3 | 1 | 4 | 14 | 100 | 122 |
| | 63.9% | 36.1% | 96.7% | .0% | 3.3% | .0% | 2.5% | .8% | 3.3% | 11.5% | 82.0% | 100.0% |
| South East Scotland | 50 | 23 | 57 | 3 | 13 | 3 | 0 | 2 | 4 | 7 | 57 | 73 |
| | 68.5% | 31.5% | 78.1% | 4.1% | 17.8% | 4.1% | .0% | 2.7% | 5.5% | 9.6% | 78.1% | 100.0% |
| South West Peninsula | 61 | 37 | 89 | 2 | 7 | 2 | 2 | 3 | 1 | 5 | 85 | 98 |
| | 62.2% | 37.8% | 90.8% | 2.0% | 7.1% | 2.0% | 2.0% | 3.1% | 1.0% | 5.1% | 86.7% | 100.0% |
| Wales | 96 | 48 | 112 | 3 | 29 | 2 | 1 | 0 | 5 | 30 | 106 | 144 |
| | 66.7% | 33.3% | 77.8% | 2.1% | 20.1% | 1.4% | .7% | .0% | 3.5% | 20.8% | 73.6% | 100.0% |
| Wessex | 96 | 63 | 108 | 7 | 44 | 12 | 2 | 3 | 7 | 34 | 101 | 159 |
| | 60.4% | 39.6% | 67.9% | 4.4% | 27.7% | 7.5% | 1.3% | 1.9% | 4.4% | 21.4% | 63.5% | 100.0% |
| West Midlands | 233 | 151 | 245 | 12 | 127 | 18 | 6 | 12 | 16 | 209 | 123 | 384 |
| | 60.7% | 39.3% | 63.8% | 3.1% | 33.1% | 4.7% | 1.6% | 3.1% | 4.2% | 54.4% | 32.0% | 100.0% |
| West Scotland | 81 | 74 | 98 | 5 | 52 | 13 | 1 | 1 | 7 | 46 | 87 | 155 |
| | 52.3% | 47.7% | 63.2% | 3.2% | 33.5% | 8.4% | .6% | .6% | 4.5% | 29.7% | 56.1% | 100.0% |
| Yorkshire & The Humber | 204 | 136 | 233 | 8 | 99 | 16 | 4 | 5 | 25 | 121 | 169 | 340 |
| | 60.0% | 40.0% | 68.5% | 2.4% | 29.1% | 4.7% | 1.2% | 1.5% | 7.4% | 35.6% | 49.7% | 100.0% |
| Total | 2378 | 1494 | 2731 | 136 | 1005 | 247 | 67 | 56 | 220 | 1375 | 1907 | 3872 |
| | 61.4% | 38.6% | 70.5% | 3.5% | 26.0% | 6.4% | 1.7% | 1.4% | 5.7% | 35.5% | 49.3% | 100.0% |

B: Main Results: Overall, & by Exam Diet, Stage & Attempt (All Candidates)

1. AKT Result & Scores (scaled; pass mark = 0), overall and by exam diet (all candidates)

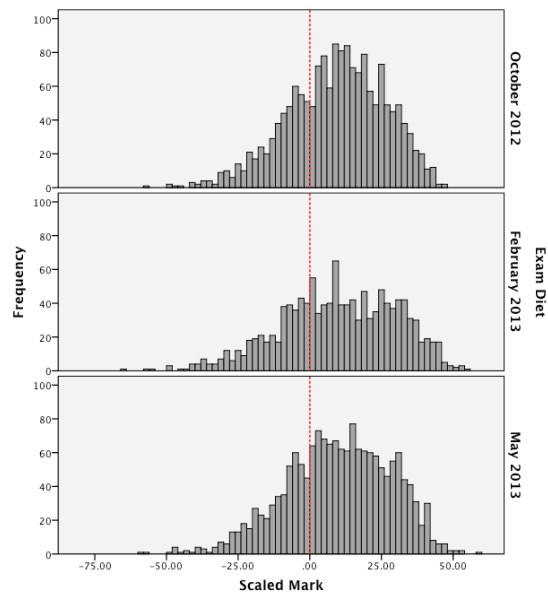
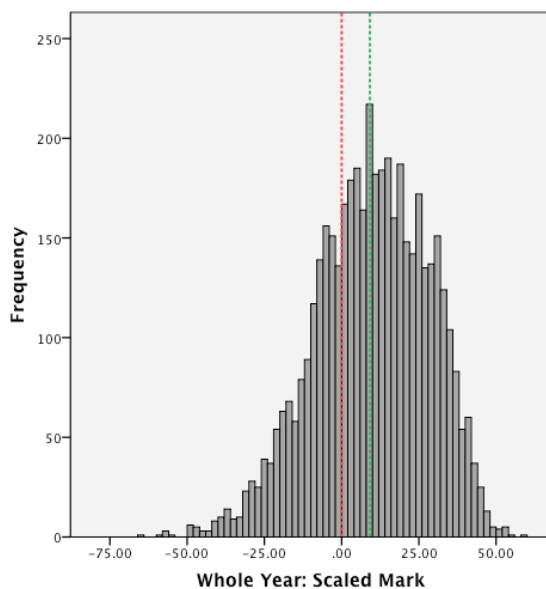
Exam Diet * Result Crosstabulation

| Exam Diet | Result | | Total |
|---------------|--------|-------|--------|
| | Fail | Pass | |
| October 2012 | 476 | 1186 | 1662 |
| | 28.6% | 71.4% | 100.0% |
| February 2013 | 386 | 850 | 1236 |
| | 31.2% | 68.8% | 100.0% |
| May 2013 | 474 | 1180 | 1654 |
| | 28.7% | 71.3% | 100.0% |
| Total | 1336 | 3216 | 4552 |
| | 29.3% | 70.7% | 100.0% |



Scaled Mark

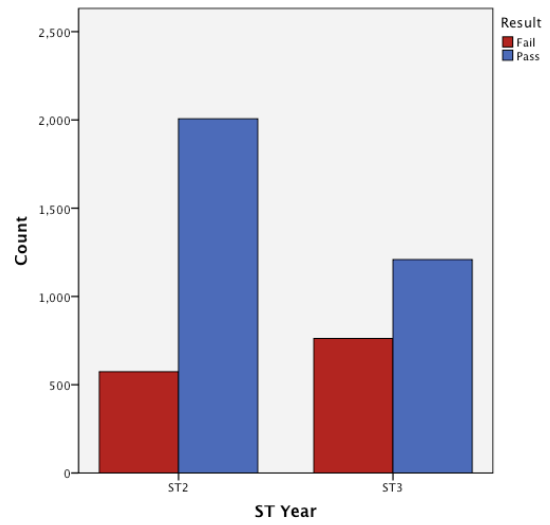
| Exam Diet | Mean | N | Std. Deviation |
|---------------|--------|------|----------------|
| October 2012 | 8.7383 | 1662 | 17.01278 |
| February 2013 | 9.4021 | 1236 | 20.15650 |
| May 2013 | 9.3851 | 1654 | 18.25307 |
| Total | 9.1536 | 4552 | 18.35765 |



2. AKT Result and scores, by Stage (Year) of Training (all candidates)

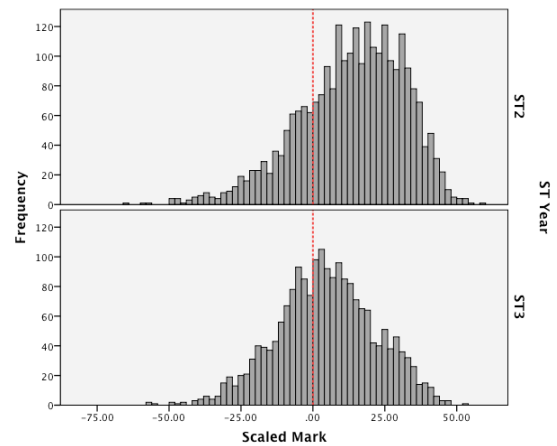
ST Year * Result Crosstabulation

| | | Result | | Total |
|---------|-----|--------|-------|--------|
| | | Fail | Pass | |
| ST Year | ST2 | 574 | 2007 | 2581 |
| | | 22.2% | 77.8% | 100.0% |
| | ST3 | 762 | 1209 | 1971 |
| | | 38.7% | 61.3% | 100.0% |
| Total | | 1336 | 3216 | 4552 |
| | | 29.3% | 70.7% | 100.0% |



Scaled Mark

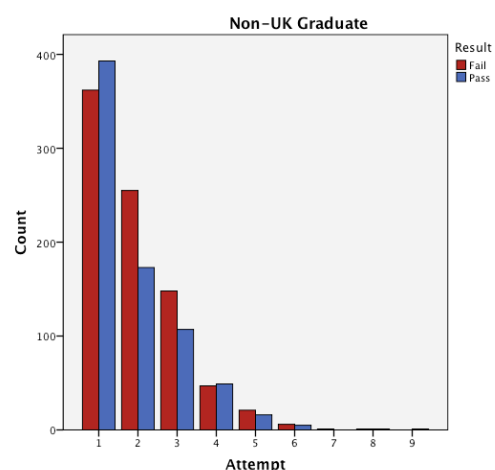
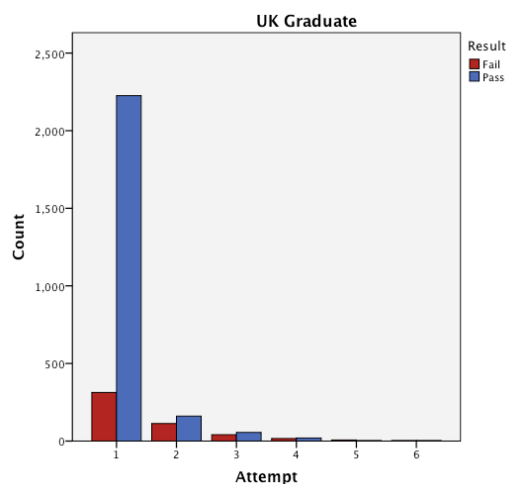
| ST Year | Mean | N | Std. Deviation |
|---------|---------|------|----------------|
| ST2 | 13.0081 | 2581 | 18.39164 |
| ST3 | 4.1060 | 1971 | 17.04647 |
| Total | 9.1536 | 4552 | 18.35765 |



3. Result and scores, by attempt at the AKT: all graduates, and separated by source of primary medical qualification, UK/non-UK (all candidates)

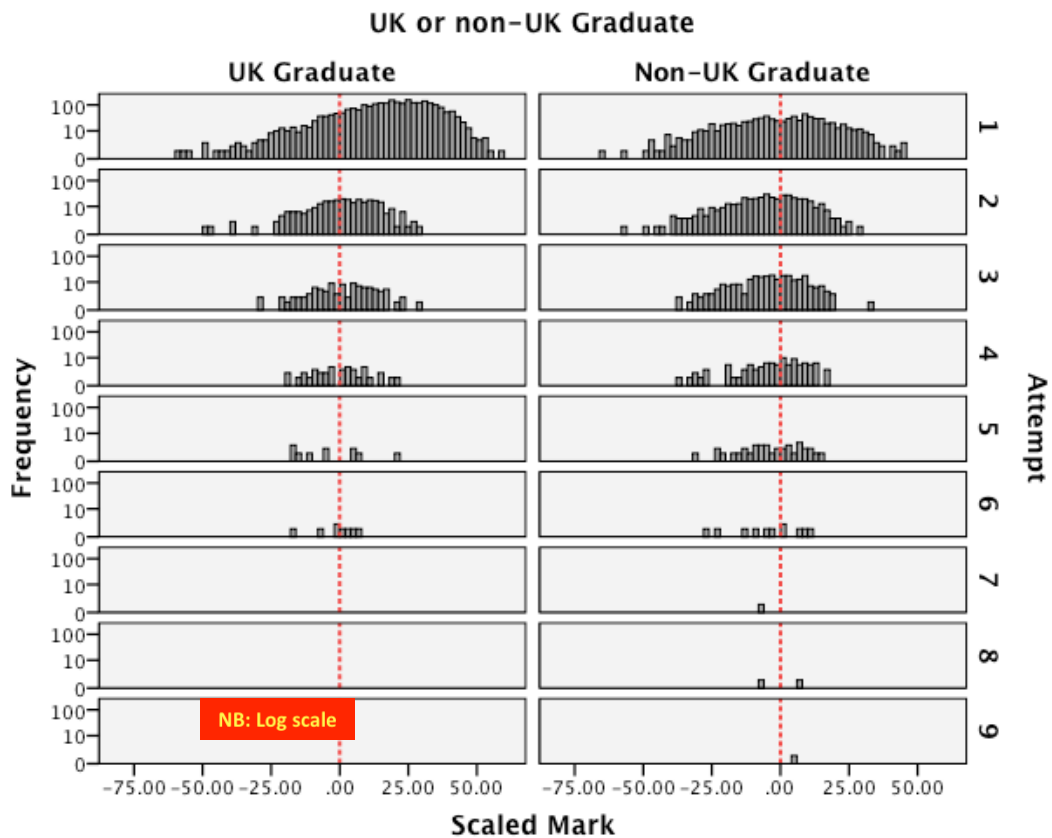
Attempt * Result * UK or non-UK Graduate Crosstabulation

| UK or non-UK Graduate | | Result | | Total |
|-----------------------|---------------|---------------|----------------|----------------|
| | | Fail | Pass | |
| UK Graduate | 1 | 313 12.3% | 2226 87.7% | 2539 100.0% |
| | 2 | 113 41.2% | 161 58.8% | 274 100.0% |
| | 3 | 41 42.3% | 56 57.7% | 97 100.0% |
| | 4 | 17 45.9% | 20 54.1% | 37 100.0% |
| | 5 | 7 63.6% | 4 36.4% | 11 100.0% |
| | 6 | 4 50.0% | 4 50.0% | 8 100.0% |
| | Total | 495 16.7% | 2471 83.3% | 2966 100.0% |
| Non-UK Graduate | 1 | 362 47.9% | 393 52.1% | 755 100.0% |
| | 2 | 255 59.6% | 173 40.4% | 428 100.0% |
| | 3 | 148 58.0% | 107 42.0% | 255 100.0% |
| | 4 | 47 49.0% | 49 51.0% | 96 100.0% |
| | 5 | 21 56.8% | 16 43.2% | 37 100.0% |
| | 6 | 6 54.5% | 5 45.5% | 11 100.0% |
| | 7 | 1 100.0% | 0 .0% | 1 100.0% |
| | 8 | 1 50.0% | 1 50.0% | 2 100.0% |
| | 9 | 0 .0% | 1 100.0% | 1 100.0% |
| Total | 841 53.0% | 745 47.0% | 1586 100.0% | |
| Total | 1 | 675 20.5% | 2619 79.5% | 3294 100.0% |
| | 2 | 368 52.4% | 334 47.6% | 702 100.0% |
| | 3 | 189 53.7% | 163 46.3% | 352 100.0% |
| | 4 | 64 48.1% | 69 51.9% | 133 100.0% |
| | 5 | 28 58.3% | 20 41.7% | 48 100.0% |
| | 6 | 10 52.6% | 9 47.4% | 19 100.0% |
| | 7 | 1 100.0% | 0 .0% | 1 100.0% |
| | 8 | 1 50.0% | 1 50.0% | 2 100.0% |
| | 9 | 0 .0% | 1 100.0% | 1 100.0% |
| Total | 1336 29.3% | 3216 70.7% | 4552 100.0% | |

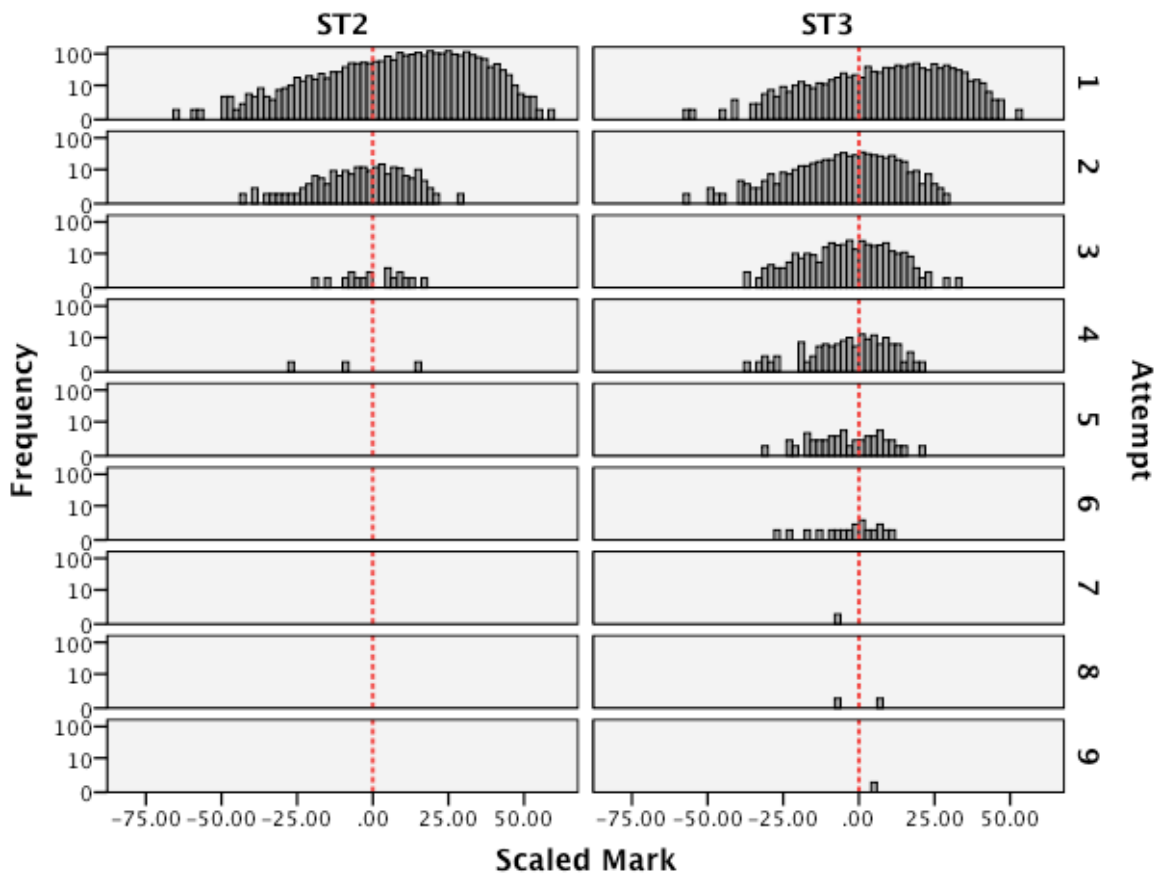
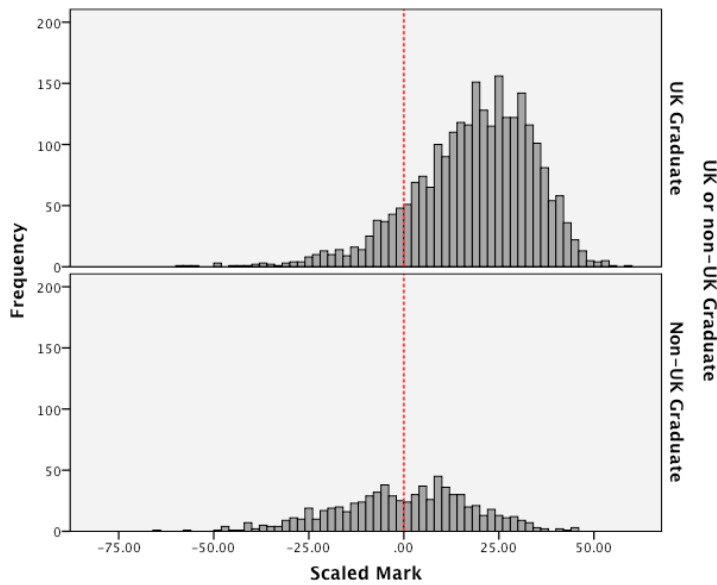


Scaled Mark

| Attempt | UK or non-UK Graduate | Mean | N | Std. Deviation |
|---------|-----------------------|-------|------|----------------|
| 1 | UK Graduate | 17.92 | 2539 | 15.88 |
| | Non-UK Graduate | -.51 | 755 | 17.93 |
| | Total | 13.70 | 3294 | 18.11 |
| 2 | UK Graduate | 1.14 | 274 | 12.37 |
| | Non-UK Graduate | -5.38 | 428 | 13.81 |
| | Total | -2.83 | 702 | 13.63 |
| 3 | UK Graduate | 1.02 | 97 | 11.43 |
| | Non-UK Graduate | -3.97 | 255 | 11.98 |
| | Total | -2.59 | 352 | 12.02 |
| 4 | UK Graduate | -.43 | 37 | 10.13 |
| | Non-UK Graduate | -2.83 | 96 | 12.25 |
| | Total | -2.17 | 133 | 11.71 |
| 5 | UK Graduate | -4.91 | 11 | 12.64 |
| | Non-UK Graduate | -3.76 | 37 | 11.17 |
| | Total | -4.02 | 48 | 11.40 |
| 6 | UK Graduate | -1.50 | 8 | 7.48 |
| | Non-UK Graduate | -5.18 | 11 | 12.22 |
| | Total | -3.63 | 19 | 10.40 |
| 7 | Non-UK Graduate | -7.00 | 1 | . |
| | Total | -7.00 | 1 | . |
| 8 | Non-UK Graduate | -1.00 | 2 | 9.90 |
| | Total | -1.00 | 2 | 9.90 |
| 9 | Non-UK Graduate | 5.00 | 1 | . |
| | Total | 5.00 | 1 | . |
| Total | UK Graduate | 15.45 | 2966 | 16.51 |
| | Non-UK Graduate | -2.63 | 1586 | 15.65 |
| | Total | 9.15 | 4552 | 18.36 |



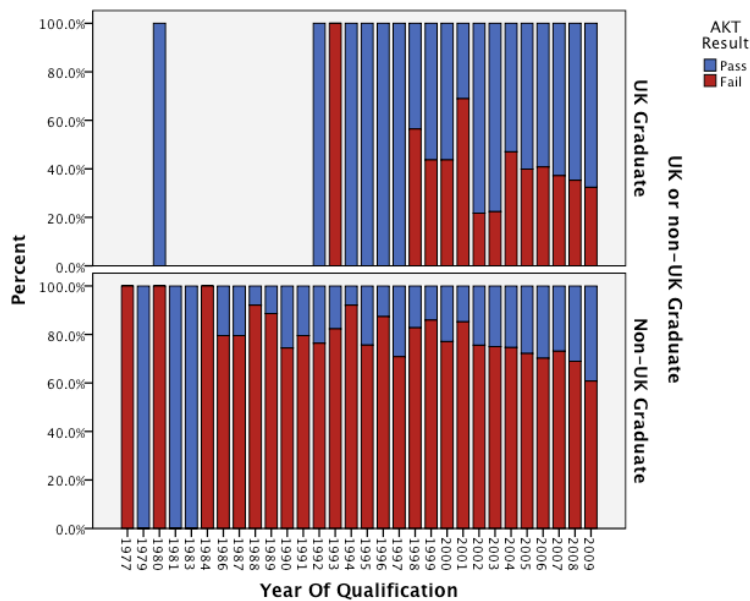
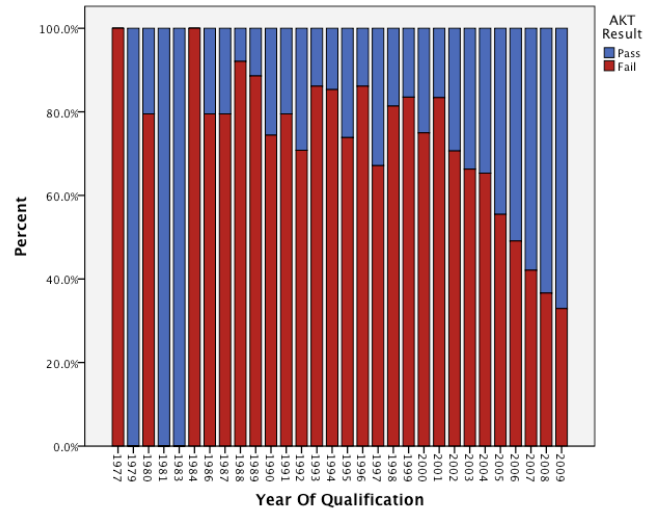
4. Score on AKT on a) first attempt and b) by ST Year and attempt by source of PMQ, UK and non-UK Graduates compared



5. Result on AKT on first attempt by year of qualification a) for all candidates and b) for UK and non-UK Graduates separately

Year Of Qualification * UK or non-UK Graduate Crosstabulation

| Count | Year Of Qualification | UK or non-UK Graduate | | Total |
|--------------|-----------------------|-----------------------|-------------|-------------|
| | | IMG | UK Graduate | |
| | 1977 | 1 | 0 | 1 |
| | 1979 | 1 | 0 | 1 |
| | 1980 | 1 | 1 | 2 |
| | 1981 | 1 | 0 | 1 |
| | 1983 | 2 | 0 | 2 |
| | 1984 | 1 | 0 | 1 |
| | 1986 | 2 | 0 | 2 |
| | 1987 | 2 | 0 | 2 |
| | 1988 | 8 | 0 | 8 |
| | 1989 | 3 | 0 | 3 |
| | 1990 | 7 | 0 | 7 |
| | 1991 | 10 | 0 | 10 |
| | 1992 | 11 | 2 | 13 |
| | 1993 | 11 | 2 | 13 |
| | 1994 | 16 | 4 | 20 |
| | 1995 | 18 | 1 | 19 |
| | 1996 | 25 | 1 | 26 |
| | 1997 | 26 | 3 | 29 |
| | 1998 | 47 | 4 | 51 |
| | 1999 | 54 | 6 | 60 |
| | 2000 | 56 | 6 | 62 |
| | 2001 | 67 | 11 | 78 |
| | 2002 | 79 | 15 | 94 |
| | 2003 | 78 | 29 | 107 |
| | 2004 | 58 | 43 | 101 |
| | 2005 | 55 | 89 | 144 |
| | 2006 | 45 | 166 | 211 |
| | 2007 | 34 | 340 | 374 |
| | 2008 | 22 | 788 | 810 |
| | 2009 | 14 | 1028 | 1042 |
| Total | | 755 | 2539 | 3294 |



6. Candidates with Disabilities: prevalence overall and by attempt; outcomes

UK Equality Legislation permits examination candidates with disabilities to request 'reasonable accommodations' in regard to their disabilities, without affecting the standard of the examination. The tables below record the prevalence of such candidates in attempts at the AKT in 2021-13, together with the results of the assessments.

There were 193 disabled candidate-attempts at the AKT (see first table below), representing 4.2% of attempts, about double the number of the previous year. The second, larger table shows the outcomes for these candidates.

The overall pass rate for candidates reporting disabilities was 72% on first attempt, 37% on subsequent attempts, combined.

Readers should be cautious in their interpretation of these results. By no means all re-sitting candidates who register a disability at the second or later attempt had declared it at their first attempt.

| | Frequency | Percent |
|--------------------------|-----------|---------|
| (No disability) | 4359 | 95.8 |
| Dyslexia | 138 | 3.0 |
| Hearing impaired | 14 | .3 |
| More than one disability | 6 | .1 |
| Other disability | 27 | .6 |
| Physical disabilities | 4 | .1 |
| Speech impaired | 1 | .0 |
| Visually impaired | 3 | .1 |
| Total | 4552 | 100.0 |

Results

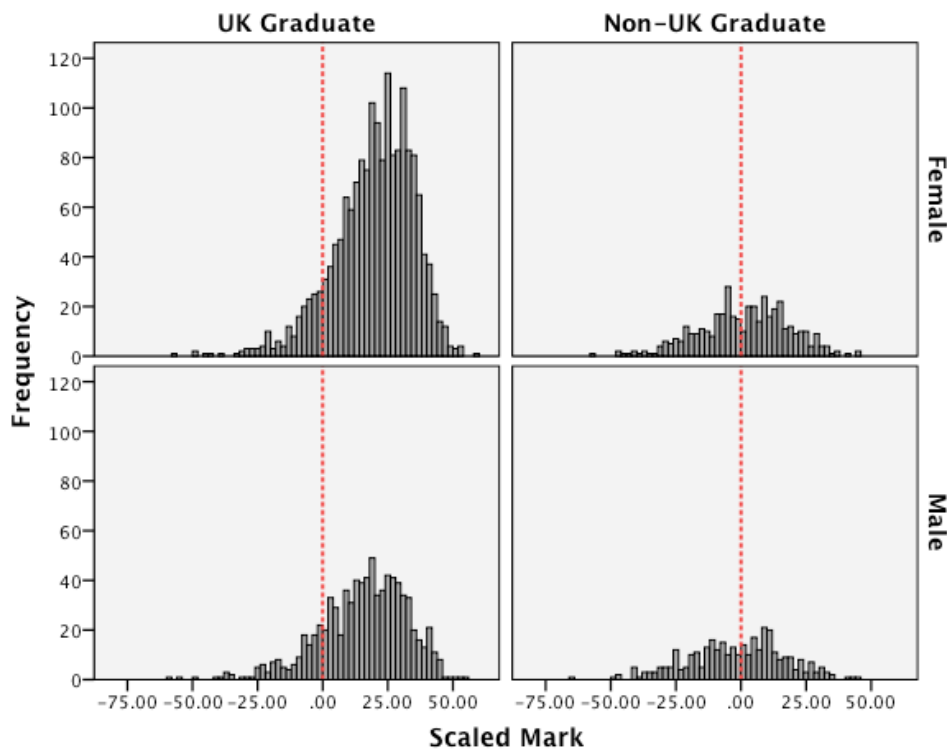
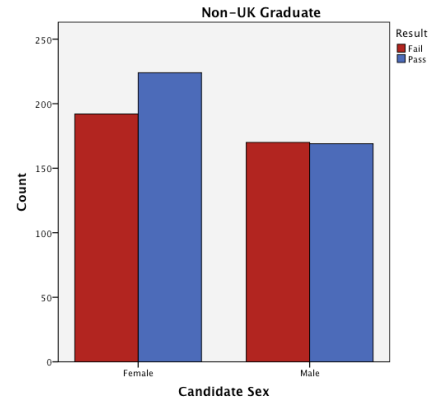
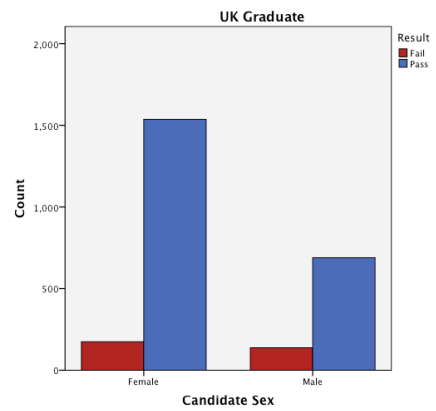
| | | Attempt | | | | | | | | |
|--------|-------------------|--------------------------|----|----|----|---|---|-----|-------|----|
| Result | | 1 | 2 | 3 | 4 | 5 | 6 | 8 | Total | |
| Fail | Disabilities | Dyslexia | 22 | 18 | 13 | 8 | 6 | 2 | | 69 |
| | | Hearing impaired | 1 | 2 | 2 | 1 | | | | 6 |
| | | More than one disability | 1 | | 1 | | 1 | | | 3 |
| | | Other disability | 2 | 1 | 2 | 2 | 1 | 1 | | 9 |
| | | Visually impaired | 1 | | | | | | | 1 |
| | Total | 27 | 21 | 18 | 11 | 8 | 3 | | 88 | |
| Pass | Disabilities | Dyslexia | 44 | 9 | 8 | 3 | 2 | 2 | 1 | 69 |
| | | Hearing impaired | 6 | 1 | 1 | | | | | 8 |
| | | More than one disability | 1 | | | 2 | | | | 3 |
| | | Other disability | 13 | 1 | 2 | | 2 | | | 18 |
| | | Physical disabilities | 3 | | | 1 | | | | 4 |
| | | Speech impaired | 1 | | | | | | | 1 |
| | Visually impaired | 1 | 1 | | | | | | 2 | |
| Total | 69 | 12 | 11 | 6 | 4 | 2 | 1 | 105 | | |

C: Results by Individual Demographics (Candidates on first attempt, only)

1. AKT Result and scores by candidate sex, and within source of PMO (1st attempt)

Candidate Sex * Result * UK or non-UK Graduate Crosstabulation

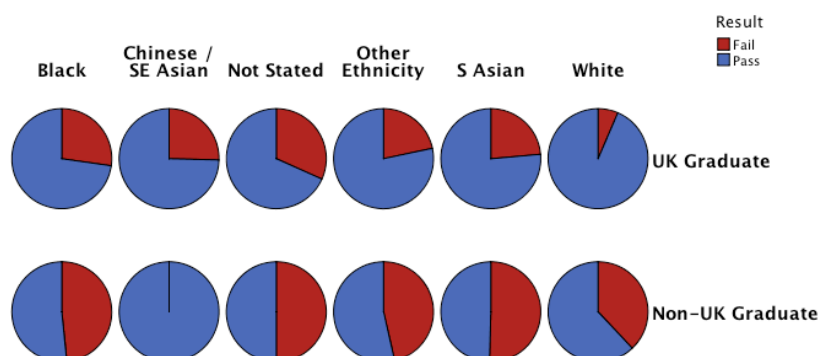
| UK or non-UK Graduate | | | Result | | Total |
|-----------------------|---------------|--------------|---------------|----------------|----------------|
| | | | Fail | Pass | |
| UK Graduate | Candidate Sex | Female | 175 10.2% | 1537 89.8% | 1712 100.0% |
| | | Male | 138 16.7% | 689 83.3% | 827 100.0% |
| | Total | 313 12.3% | 2226 87.7% | 2539 100.0% | |
| Non-UK Graduate | Candidate Sex | Female | 192 46.2% | 224 53.8% | 416 100.0% |
| | | Male | 170 50.1% | 169 49.9% | 339 100.0% |
| | Total | 362 47.9% | 393 52.1% | 755 100.0% | |
| Total | Candidate Sex | Female | 367 17.2% | 1761 82.8% | 2128 100.0% |
| | | Male | 308 26.4% | 858 73.6% | 1166 100.0% |
| | Total | 675 20.5% | 2619 79.5% | 3294 100.0% | |



2. AKT Result by classified candidate ethnicity, and separated by source of primary medical qualification (1st attempt)

Candidate Ethnic Group * Result * UK or non-UK Graduate
Crosstabulation

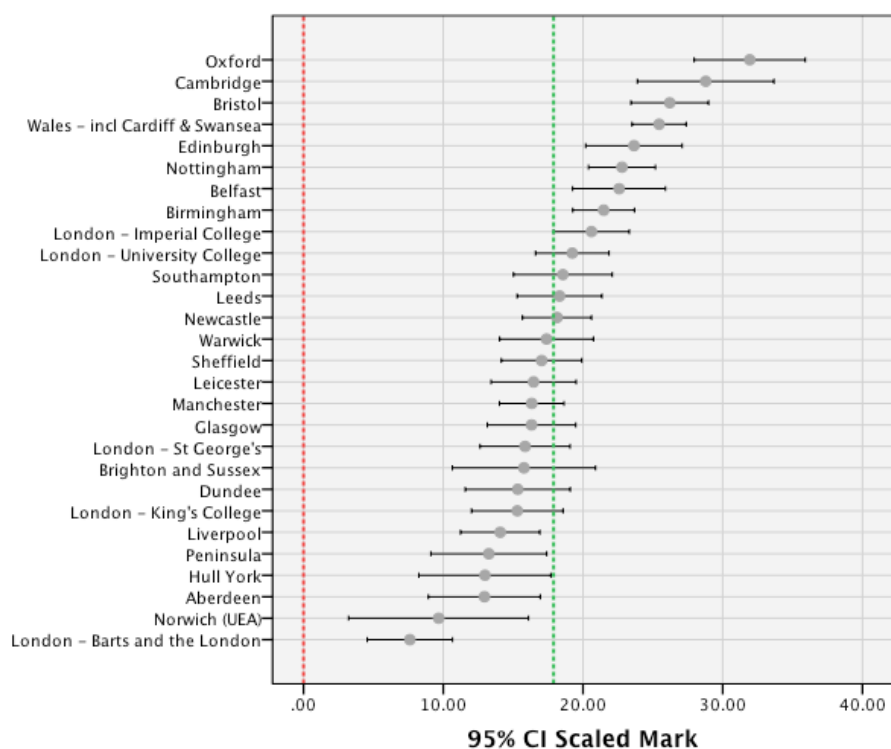
| UK or non-UK Graduate | | Result | | Total |
|-----------------------|--------------------|---------------|----------------|----------------|
| | | Fail | Pass | |
| UK Graduate | Black | 12 27.3% | 32 72.7% | 44 100.0% |
| | Chinese / SE Asian | 15 25.4% | 44 74.6% | 59 100.0% |
| | Not Stated | 13 31.7% | 28 68.3% | 41 100.0% |
| | Other Ethnicity | 26 21.7% | 94 78.3% | 120 100.0% |
| | S Asian | 137 23.6% | 443 76.4% | 580 100.0% |
| | White | 110 6.5% | 1585 93.5% | 1695 100.0% |
| | Total | 313 12.3% | 2226 87.7% | 2539 100.0% |
| | Non-UK Graduate | Black | 60 48.4% | 64 51.6% |
| Chinese / SE Asian | 0 .0% | 3 100.0% | 3 100.0% | |
| Not Stated | 5 50.0% | 5 50.0% | 10 100.0% | |
| Other Ethnicity | 26 46.4% | 30 53.6% | 56 100.0% | |
| S Asian | 233 50.4% | 229 49.6% | 462 100.0% | |
| White | 38 38.0% | 62 62.0% | 100 100.0% | |
| Total | 362 47.9% | 393 52.1% | 755 100.0% | |
| Total | Black | 72 42.9% | 96 57.1% | 168 100.0% |
| Chinese / SE Asian | 15 24.2% | 47 75.8% | 62 100.0% | |
| Not Stated | 18 35.3% | 33 64.7% | 51 100.0% | |
| Other Ethnicity | 52 29.5% | 124 70.5% | 176 100.0% | |
| S Asian | 370 35.5% | 672 64.5% | 1042 100.0% | |
| White | 148 8.2% | 1647 91.8% | 1795 100.0% | |
| Total | 675 20.5% | 2619 79.5% | 3294 100.0% | |



3. AKT Result and Scores by PMQ, subdivided (1st attempt)

UK Graduates

| UK Medical School | N | Min | Max | Mean | SD | % Fail | % Pass |
|--------------------------------|-----|-----|-----|-------|-------|--------|--------|
| Aberdeen | 70 | -29 | 45 | 12.94 | 16.80 | 20.0% | 80.0% |
| Belfast | 53 | -15 | 44 | 22.58 | 12.06 | 3.8% | 96.2% |
| Birmingham | 169 | -19 | 47 | 21.48 | 14.54 | 8.3% | 91.7% |
| Brighton and Sussex | 44 | -50 | 41 | 15.77 | 16.85 | 15.9% | 84.1% |
| Bristol | 86 | -16 | 58 | 26.21 | 12.95 | 3.5% | 96.5% |
| Cambridge | 23 | 5 | 45 | 28.78 | 11.31 | | 100.0% |
| Dundee | 55 | -29 | 35 | 15.33 | 13.91 | 9.1% | 90.9% |
| Edinburgh | 54 | -4 | 52 | 23.65 | 12.67 | 1.9% | 98.1% |
| Glasgow | 76 | -20 | 41 | 16.32 | 13.86 | 10.5% | 89.5% |
| Hull York | 53 | -32 | 50 | 12.98 | 17.13 | 17.0% | 83.0% |
| Keele | 3 | 1 | 29 | 16.67 | 14.29 | | 100.0% |
| Leeds | 113 | -32 | 51 | 18.32 | 16.32 | 15.0% | 85.0% |
| Leicester | 93 | -24 | 43 | 16.46 | 14.78 | 14.0% | 86.0% |
| Liverpool | 123 | -37 | 53 | 14.07 | 15.95 | 17.1% | 82.9% |
| London - Barts and the London | 140 | -39 | 42 | 7.61 | 18.29 | 30.0% | 70.0% |
| London - Imperial College | 104 | -21 | 49 | 20.61 | 13.93 | 8.7% | 91.3% |
| London - King's College | 136 | -60 | 44 | 15.29 | 19.31 | 14.7% | 85.3% |
| London - School Unknown | 1 | 22 | 22 | 22.00 | . | | 100.0% |
| London - St George's | 89 | -37 | 48 | 15.85 | 15.32 | 15.7% | 84.3% |
| London - University College | 124 | -18 | 51 | 19.23 | 14.83 | 12.1% | 87.9% |
| Manchester | 213 | -49 | 50 | 16.33 | 17.13 | 14.6% | 85.4% |
| Newcastle | 108 | -14 | 46 | 18.14 | 12.97 | 9.3% | 90.7% |
| Norwich (UEA) | 36 | -45 | 38 | 9.67 | 19.03 | 27.8% | 72.2% |
| Nottingham | 100 | -12 | 44 | 22.79 | 12.04 | 7.0% | 93.0% |
| Oxford | 30 | 4 | 53 | 31.93 | 10.66 | | 100.0% |
| Peninsula | 54 | -42 | 41 | 13.26 | 15.19 | 11.1% | 88.9% |
| Sheffield | 102 | -24 | 55 | 17.04 | 14.68 | 12.7% | 87.3% |
| Southampton | 81 | -55 | 39 | 18.56 | 15.99 | 12.3% | 87.7% |
| Wales - incl Cardiff & Swansea | 132 | -6 | 49 | 25.45 | 11.23 | 3.0% | 97.0% |
| Warwick | 74 | -26 | 41 | 17.39 | 14.47 | 10.8% | 89.2% |

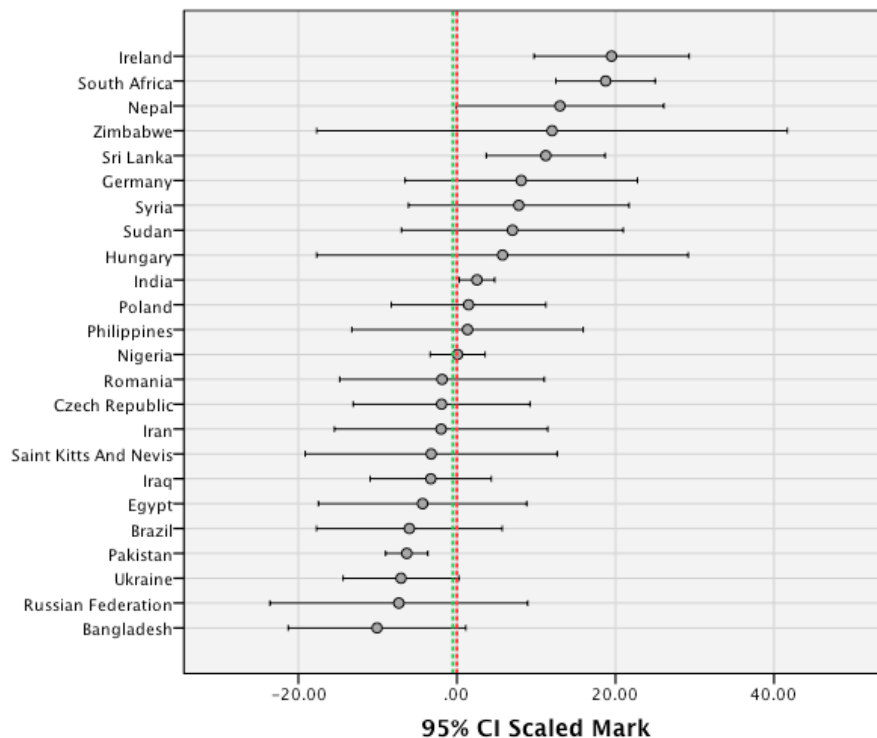


Non-UK Graduates (pass-rates only, in view of generally small numbers) (1st attempt)

| Country | Fail N | Pass N | Pass % | Total N |
|--------------------|--------|--------|--------|---------|
| Afghanistan | 2 | 0 | 0.0% | 2 |
| Algeria | 2 | 0 | 0.0% | 2 |
| Armenia | 0 | 1 | 100.0% | 1 |
| Australia | 0 | 1 | 100.0% | 1 |
| Austria | 1 | 1 | 50.0% | 2 |
| Bangladesh | 9 | 3 | 25.0% | 12 |
| Belarus | 0 | 2 | 100.0% | 2 |
| Belgium | 1 | 0 | 0.0% | 1 |
| Brazil | 4 | 1 | 20.0% | 5 |
| Bulgaria | 1 | 1 | 50.0% | 2 |
| Cayman Islands | 1 | 1 | 50.0% | 2 |
| Colombia | 1 | 1 | 50.0% | 2 |
| Croatia | 1 | 0 | 0.0% | 1 |
| Czech Republic | 9 | 7 | 43.8% | 16 |
| Denmark | 1 | 0 | 0.0% | 1 |
| Dominica | 1 | 0 | 0.0% | 1 |
| Dominican Republic | 1 | 0 | 0.0% | 1 |
| Egypt | 4 | 5 | 55.6% | 9 |
| Ethiopia | 1 | 0 | 0.0% | 1 |
| Georgia | 1 | 1 | 50.0% | 2 |
| Germany | 3 | 6 | 66.7% | 9 |
| Ghana | 1 | 1 | 50.0% | 2 |
| Greece | 1 | 0 | 0.0% | 1 |
| Grenada | 1 | 1 | 50.0% | 2 |
| Guyana | 1 | 1 | 50.0% | 2 |
| Haiti | 1 | 0 | 0.0% | 1 |
| Hungary | 1 | 3 | 75.0% | 4 |
| India | 79 | 123 | 60.9% | 202 |
| Iran | 8 | 6 | 42.9% | 14 |
| Iraq | 13 | 10 | 43.5% | 23 |
| Ireland | 1 | 11 | 91.7% | 12 |
| Jamaica | 1 | 2 | 66.7% | 3 |
| Jordan | 1 | 1 | 50.0% | 2 |
| Kenya | 1 | 0 | 0.0% | 1 |

| Country | Fail N | Pass N | Pass % | Total N |
|-----------------------|--------|--------|--------|---------|
| Kyrgyzstan | 1 | 0 | 0.0% | 1 |
| Latvia | 2 | 0 | 0.0% | 2 |
| Libya | 2 | 1 | 33.3% | 3 |
| Lithuania | 1 | 0 | 0.0% | 1 |
| Malaysia | 0 | 2 | 100.0% | 2 |
| Malta | 1 | 0 | 0.0% | 1 |
| Myanmar | 1 | 2 | 66.7% | 3 |
| Nepal | 0 | 5 | 100.0% | 5 |
| Netherlands | 0 | 1 | 100.0% | 1 |
| Nigeria | 42 | 54 | 56.3% | 96 |
| Pakistan | 101 | 62 | 38.0% | 163 |
| Philippines | 3 | 3 | 50.0% | 6 |
| Poland | 8 | 11 | 57.9% | 19 |
| Romania | 9 | 8 | 47.1% | 17 |
| Russian Federation | 6 | 3 | 33.3% | 9 |
| Saint Kitts And Nevis | 5 | 3 | 37.5% | 8 |
| Senegal | 0 | 2 | 100.0% | 2 |
| Serbia | 2 | 1 | 33.3% | 3 |
| Sierra Leone | 0 | 1 | 100.0% | 1 |
| Slovakia | 1 | 1 | 50.0% | 2 |
| South Africa | 0 | 8 | 100.0% | 8 |
| Spain | 0 | 1 | 100.0% | 1 |
| Sri Lanka | 2 | 13 | 86.7% | 15 |
| Sudan | 1 | 3 | 75.0% | 4 |
| Switzerland | 0 | 1 | 100.0% | 1 |
| Syria | 1 | 4 | 80.0% | 5 |
| Tunisia | 1 | 0 | 0.0% | 1 |
| Turkey | 2 | 1 | 33.3% | 3 |
| Uganda | 2 | 0 | 0.0% | 2 |
| Ukraine | 12 | 7 | 36.8% | 19 |
| United Arab Emirates | 0 | 1 | 100.0% | 1 |
| United States | 0 | 1 | 100.0% | 1 |
| Zambia | 0 | 1 | 100.0% | 1 |
| Zimbabwe | 2 | 2 | 50.0% | 4 |

Non-UK Graduates – Countries with 4+ Candidates on First Attempt



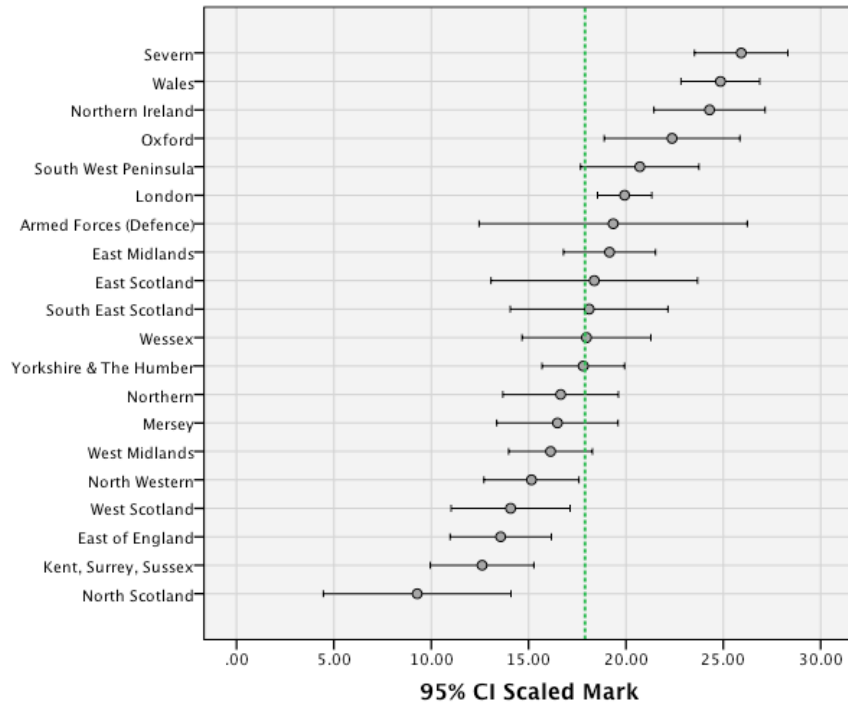
D: Results by Training Deanery

1. Results for all attempts, combined by sex, ethnic group and source of PMQ

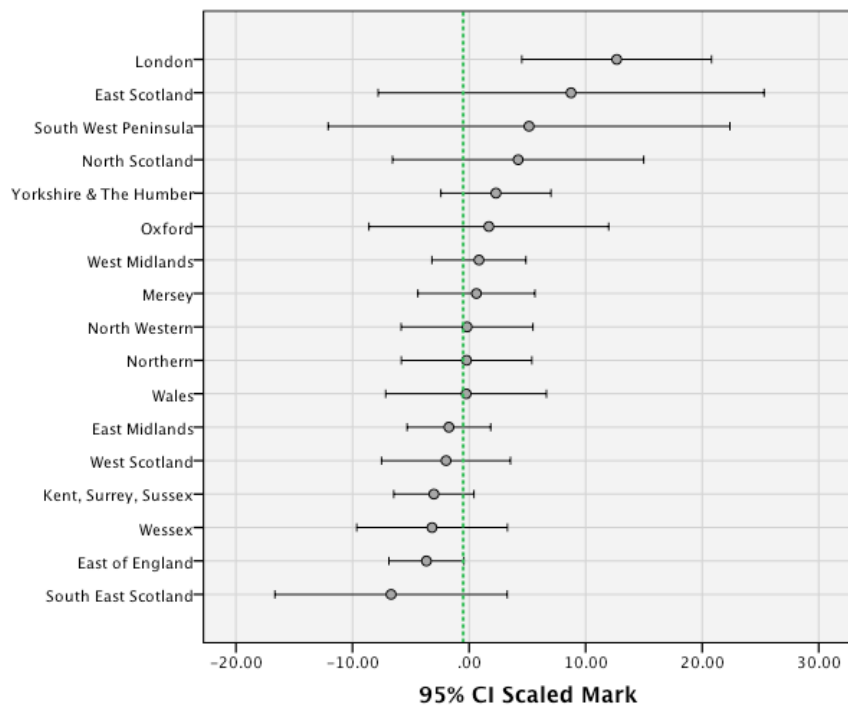
| Deanery | Sex | | | | Ethnic Group | | | | | | | | | | | | Source of PMQ | | | | | | Total |
|------------------------|--------|---------|--------|---------|--------------|---------|------------------|---------|------------|---------|--------|---------|---------|---------|--------|---------|---------------|---------|----------|---------|----------|--------|---------|
| | Female | | Male | | Black | | Chinese/SE Asian | | Not Stated | | Other | | S Asian | | White | | UK Grad | | EEA Grad | | RoW Grad | | |
| | Fail | Pass | Fail | Pass | Fail | Pass | Fail | Pass | Fail | Pass | Fail | Pass | Fail | Pass | Fail | Pass | Fail | Pass | Fail | Pass | Fail | Pass | |
| Armed Forces (Defence) | 4 | 11 | 3 | 12 | | | | | 0 | 1 | | | | | 7 | 22 | 7 | 23 | | | | | 30 |
| | 26.70% | 73.30% | 20.00% | 80.00% | | | | | 0.00% | 100.00% | | | | | 24.10% | 75.90% | 23.30% | 76.70% | | | | | 100.00% |
| East Midlands | 51 | 123 | 62 | 88 | 14 | 17 | 0 | 5 | 1 | 2 | 4 | 9 | 83 | 88 | 11 | 90 | 26 | 140 | 10 | 6 | 77 | 65 | 324 |
| | 29.30% | 70.70% | 41.30% | 58.70% | 45.20% | 54.80% | 0.00% | 100.00% | 33.30% | 66.70% | 30.80% | 69.20% | 48.50% | 51.50% | 10.90% | 89.10% | 15.70% | 84.30% | 62.50% | 37.50% | 54.20% | 45.80% | 100.00% |
| East of England | 97 | 158 | 93 | 118 | 32 | 20 | 1 | 6 | 1 | 1 | 16 | 10 | 119 | 131 | 21 | 108 | 61 | 176 | 13 | 14 | 116 | 86 | 466 |
| | 38.00% | 62.00% | 44.10% | 55.90% | 61.50% | 38.50% | 14.30% | 85.70% | 50.00% | 50.00% | 61.50% | 38.50% | 47.60% | 52.40% | 16.30% | 83.70% | 25.70% | 74.30% | 48.10% | 51.90% | 57.40% | 42.60% | 100.00% |
| East Scotland | 4 | 20 | 0 | 16 | | | 1 | 2 | | | 0 | 1 | 1 | 2 | 2 | 31 | 3 | 33 | | | 1 | 3 | 40 |
| | 16.70% | 83.30% | 0.00% | 100.00% | | | 33.30% | 66.70% | | | 0.00% | 100.00% | 33.30% | 66.70% | 6.10% | 93.90% | 8.30% | 91.70% | | | 25.00% | 75.00% | 100.00% |
| Kent, Surrey, Sussex | 95 | 167 | 115 | 109 | 30 | 29 | 2 | 7 | 2 | 1 | 29 | 17 | 113 | 94 | 34 | 128 | 67 | 167 | 21 | 18 | 122 | 91 | 486 |
| | 36.30% | 63.70% | 51.30% | 48.70% | 50.80% | 49.20% | 22.20% | 77.80% | 66.70% | 33.30% | 63.00% | 37.00% | 54.60% | 45.40% | 21.00% | 79.00% | 28.60% | 71.40% | 53.80% | 46.20% | 57.30% | 42.70% | 100.00% |
| London | 31 | 331 | 21 | 93 | 5 | 20 | 2 | 10 | 1 | 8 | 7 | 42 | 28 | 139 | 9 | 205 | 38 | 393 | 2 | 11 | 12 | 20 | 476 |
| | 8.60% | 91.40% | 18.40% | 81.60% | 20.00% | 80.00% | 16.70% | 83.30% | 11.10% | 88.90% | 14.30% | 85.70% | 16.80% | 83.20% | 4.20% | 95.80% | 8.80% | 91.20% | 15.40% | 84.60% | 37.50% | 62.50% | 100.00% |
| Mersey | 44 | 85 | 37 | 41 | 7 | 6 | 0 | 1 | | | 8 | 6 | 42 | 33 | 24 | 80 | 28 | 91 | 4 | 4 | 49 | 31 | 207 |
| | 34.10% | 65.90% | 47.40% | 52.60% | 53.80% | 46.20% | 0.00% | 100.00% | | | 57.10% | 42.90% | 56.00% | 44.00% | 23.10% | 76.90% | 23.50% | 76.50% | 50.00% | 50.00% | 61.30% | 38.80% | 100.00% |
| North Scotland | 11 | 30 | 11 | 17 | 4 | 6 | 1 | 0 | | | 4 | 1 | 4 | 11 | 9 | 29 | 12 | 31 | 0 | 1 | 10 | 15 | 69 |
| | 26.80% | 73.20% | 39.30% | 60.70% | 40.00% | 60.00% | 100.00% | 0.00% | | | 80.00% | 20.00% | 26.70% | 73.30% | 23.70% | 76.30% | 27.90% | 72.10% | 0.00% | 100.00% | 40.00% | 60.00% | 100.00% |
| North Western | 52 | 132 | 67 | 112 | 14 | 17 | 1 | 5 | 6 | 1 | 8 | 10 | 74 | 85 | 16 | 126 | 51 | 193 | 2 | 5 | 66 | 46 | 363 |
| | 28.30% | 71.70% | 37.40% | 62.60% | 45.20% | 54.80% | 16.70% | 83.30% | 85.70% | 14.30% | 44.40% | 55.60% | 46.50% | 53.50% | 11.30% | 88.70% | 20.90% | 79.10% | 28.60% | 71.40% | 58.90% | 41.10% | 100.00% |
| Northern | 29 | 80 | 48 | 54 | 9 | 8 | 0 | 2 | 4 | 0 | 8 | 13 | 41 | 36 | 15 | 75 | 32 | 99 | 10 | 3 | 35 | 32 | 211 |
| | 26.60% | 73.40% | 47.10% | 52.90% | 52.90% | 47.10% | 0.00% | 100.00% | 100.00% | 0.00% | 38.10% | 61.90% | 53.20% | 46.80% | 16.70% | 83.30% | 24.40% | 75.60% | 76.90% | 23.10% | 52.20% | 47.80% | 100.00% |
| Northern Ireland | 0 | 53 | 0 | 11 | | | | | 0 | 1 | | | 0 | 1 | 0 | 62 | 0 | 62 | 0 | 2 | | | 64 |
| | 0.00% | 100.00% | 0.00% | 100.00% | | | | | 0.00% | 100.00% | | | 0.00% | 100.00% | 0.00% | 100.00% | 0.00% | 100.00% | 0.00% | 100.00% | | | 100.00% |
| Oxford | 14 | 61 | 6 | 33 | 0 | 2 | 3 | 2 | 0 | 2 | 3 | 3 | 9 | 32 | 5 | 53 | 11 | 82 | 5 | 5 | 4 | 7 | 114 |
| | 18.70% | 81.30% | 15.40% | 84.60% | 0.00% | 100.00% | 60.00% | 40.00% | 0.00% | 100.00% | 50.00% | 50.00% | 22.00% | 78.00% | 8.60% | 91.40% | 11.80% | 88.20% | 50.00% | 50.00% | 36.40% | 63.60% | 100.00% |
| Severn | 5 | 75 | 1 | 43 | | | 0 | 3 | 0 | 1 | 1 | 3 | 5 | 11 | 0 | 100 | 4 | 115 | | | 2 | 3 | 124 |
| | 6.30% | 93.80% | 2.30% | 97.70% | | | 0.00% | 100.00% | 0.00% | 100.00% | 25.00% | 75.00% | 31.30% | 68.80% | 0.00% | 100.00% | 3.40% | 96.60% | | | 40.00% | 60.00% | 100.00% |
| South East Scotland | 8 | 45 | 11 | 17 | 2 | 2 | | | 0 | 2 | 3 | 2 | 5 | 5 | 9 | 51 | 6 | 53 | 3 | 1 | 10 | 8 | 81 |
| | 15.10% | 84.90% | 39.30% | 60.70% | 50.00% | 50.00% | | | 0.00% | 100.00% | 60.00% | 40.00% | 50.00% | 50.00% | 15.00% | 85.00% | 10.20% | 89.80% | 75.00% | 25.00% | 55.60% | 44.40% | 100.00% |
| South West Peninsula | 13 | 56 | 3 | 36 | 0 | 2 | 1 | 1 | 0 | 3 | 0 | 1 | 3 | 4 | 12 | 81 | 11 | 84 | 1 | 2 | 4 | 6 | 108 |
| | 18.80% | 81.20% | 7.70% | 92.30% | 0.00% | 100.00% | 50.00% | 50.00% | 0.00% | 100.00% | 0.00% | 100.00% | 42.90% | 57.10% | 12.90% | 87.10% | 11.60% | 88.40% | 33.30% | 66.70% | 40.00% | 60.00% | 100.00% |
| Wales | 14 | 89 | 12 | 43 | 0 | 2 | 0 | 1 | | | 4 | 3 | 19 | 22 | 3 | 104 | 3 | 110 | 5 | 2 | 18 | 20 | 158 |
| | 13.60% | 86.40% | 21.80% | 78.20% | 0.00% | 100.00% | 0.00% | 100.00% | | | 57.10% | 42.90% | 46.30% | 53.70% | 2.80% | 97.20% | 2.70% | 97.30% | 71.40% | 28.60% | 47.40% | 52.60% | 100.00% |
| Wessex | 27 | 85 | 29 | 48 | 10 | 6 | 1 | 2 | 1 | 2 | 6 | 4 | 20 | 25 | 18 | 94 | 20 | 99 | 6 | 4 | 30 | 30 | 189 |
| | 24.10% | 75.90% | 37.70% | 62.30% | 62.50% | 37.50% | 33.30% | 66.70% | 33.30% | 66.70% | 60.00% | 40.00% | 44.40% | 55.60% | 16.10% | 83.90% | 16.80% | 83.20% | 60.00% | 40.00% | 50.00% | 50.00% | 100.00% |
| West Midlands | 75 | 192 | 85 | 108 | 14 | 14 | 2 | 6 | 7 | 8 | 6 | 12 | 117 | 146 | 14 | 114 | 58 | 214 | 9 | 8 | 93 | 78 | 460 |
| | 28.10% | 71.90% | 44.00% | 56.00% | 50.00% | 50.00% | 25.00% | 75.00% | 46.70% | 53.30% | 33.30% | 66.70% | 44.50% | 55.50% | 10.90% | 89.10% | 21.30% | 78.70% | 52.90% | 47.10% | 54.40% | 45.60% | 100.00% |
| West Scotland | 18 | 70 | 42 | 54 | 8 | 8 | 0 | 1 | 0 | 1 | 1 | 6 | 34 | 29 | 17 | 79 | 21 | 89 | 1 | 4 | 38 | 31 | 184 |
| | 20.50% | 79.50% | 43.80% | 56.30% | 50.00% | 50.00% | 0.00% | 100.00% | 0.00% | 100.00% | 14.30% | 85.70% | 54.00% | 46.00% | 17.70% | 82.30% | 19.10% | 80.90% | 20.00% | 80.00% | 55.10% | 44.90% | 100.00% |
| Yorkshire & The Humber | 46 | 184 | 52 | 116 | 4 | 15 | 1 | 3 | 1 | 4 | 14 | 19 | 60 | 97 | 18 | 162 | 36 | 217 | 6 | 5 | 56 | 78 | 398 |
| | 20.00% | 80.00% | 31.00% | 69.00% | 21.10% | 78.90% | 25.00% | 75.00% | 20.00% | 80.00% | 42.40% | 57.60% | 38.20% | 61.80% | 10.00% | 90.00% | 14.20% | 85.80% | 54.50% | 45.50% | 41.80% | 58.20% | 100.00% |
| TOTAL | 638 | 2047 | 698 | 1169 | 153 | 174 | 16 | 57 | 24 | 38 | 122 | 162 | 777 | 991 | 244 | 1794 | 495 | 2471 | 98 | 95 | 743 | 650 | 4552 |
| | 23.80% | 76.20% | 37.40% | 62.60% | 46.80% | 53.20% | 21.90% | 78.10% | 38.70% | 61.30% | 43.00% | 57.00% | 43.90% | 56.10% | 12.00% | 88.00% | 16.70% | 83.30% | 50.80% | 49.20% | 53.30% | 46.70% | 100.00% |

2. Graphical Representation of Candidate Scores by Deanery, by source of PMO

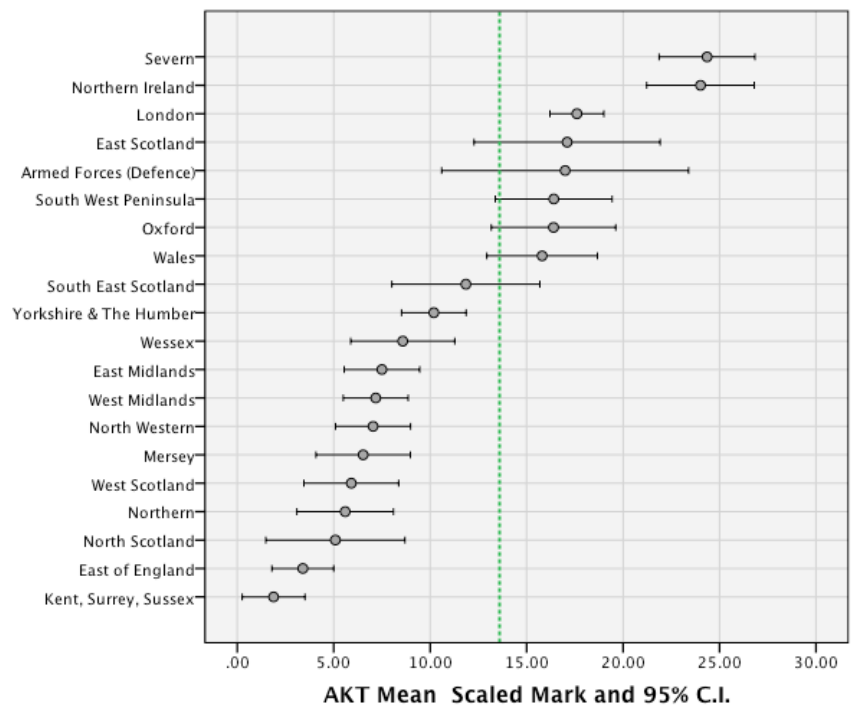
UK Graduates, First Attempt



Non-UK Graduates, First Attempt



All Graduates, All Attempts

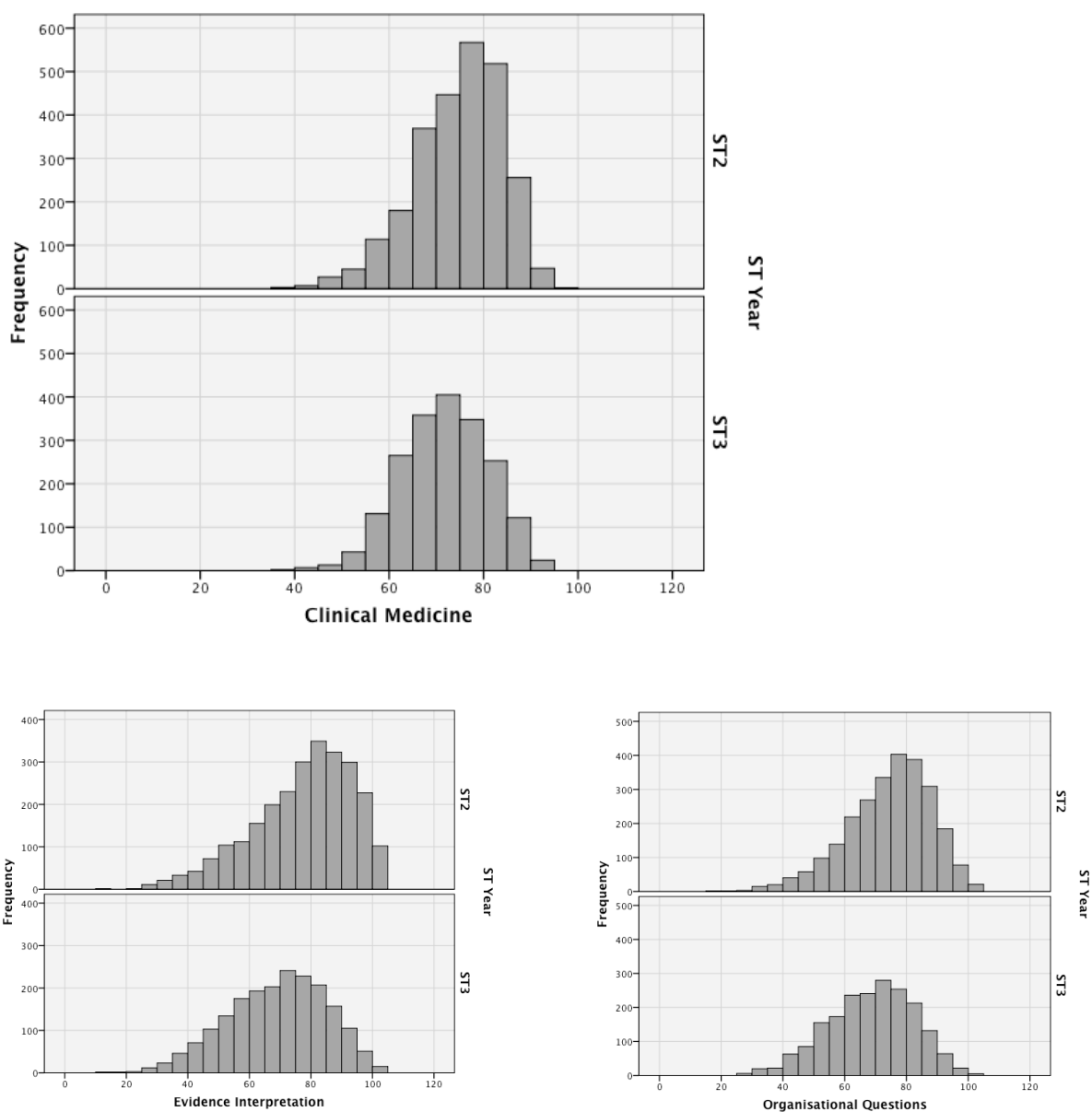


E: AKT sub-Scores and Distributions, by Year of Training

1. Descriptive Statistics of the three Scores, all candidates

| ST Year | | N | Minimum | Maximum | Mean | Std. Deviation |
|---------|--------------------------|------|---------|---------|-------|----------------|
| ST2 | Clinical_Medicine | 2581 | 35.00 | 96.25 | 74.45 | 9.39 |
| | Evidence_Interpretation | 2581 | 10.00 | 100.00 | 74.88 | 16.23 |
| | Organisational_Questions | 2581 | 15.00 | 100.00 | 71.94 | 13.66 |
| ST3 | Clinical_Medicine | 1971 | 36.25 | 93.75 | 71.85 | 9.30 |
| | Evidence_Interpretation | 1971 | 10.00 | 100.00 | 66.44 | 16.06 |
| | Organisational_Questions | 1971 | 25.00 | 100.00 | 66.07 | 13.93 |

2. Distributions of Scores on the three sub-Components by Training Year, all candidates



4: CSA Statistics

A: Summary of Candidate Demographics

3282 candidates made a total of 4054 attempts at the CSA during 2012-13. The tables below show the origin of the 3282 candidates, by UK medical school or non-UK country of primary medical qualification—and the percentage from each out of the total of that part of the candidature. On the next page, the background demographic characteristics of the 3282 are shown, by training Deanery. Other tables report on the 4054 attempts.

1. Source of Primary Medical Qualification; year of qualification

UK, EEA, or International Graduate

| | Frequency | Percent |
|------------------------|-----------|---------|
| UK Graduate | 2099 | 64.0 |
| EEA Graduate | 135 | 4.1 |
| Rest-of-World Graduate | 1048 | 31.9 |
| Total | 3282 | 100.0 |

UK Medical School

| | Frequency | Percent |
|--------------------------------|-----------|---------|
| Aberdeen | 59 | 2.8 |
| Belfast | 58 | 2.8 |
| Birmingham | 120 | 5.7 |
| Brighton and Sussex | 24 | 1.1 |
| Bristol | 53 | 2.5 |
| Cambridge | 30 | 1.4 |
| Dundee | 43 | 2.0 |
| Edinburgh | 64 | 3.0 |
| Glasgow | 74 | 3.5 |
| Hull York | 31 | 1.5 |
| Leeds | 98 | 4.7 |
| Leicester | 82 | 3.9 |
| Liverpool | 85 | 4.0 |
| London - Barts and the London | 110 | 5.2 |
| London - Imperial College | 87 | 4.1 |
| London - King's College | 124 | 5.9 |
| London - St George's | 66 | 3.1 |
| London - University College | 96 | 4.6 |
| London (school unknown) | 2 | .1 |
| Manchester | 172 | 8.2 |
| Newcastle | 105 | 5.0 |
| Norwich (UEA) | 32 | 1.5 |
| Nottingham | 99 | 4.7 |
| Oxford | 21 | 1.0 |
| Peninsula | 34 | 1.6 |
| Sheffield | 87 | 4.1 |
| Southampton | 74 | 3.5 |
| Wales (incl Cardiff & Swansea) | 95 | 4.5 |
| Warwick | 74 | 3.5 |
| Total | 2099 | 100.0 |

Country of Qualification - EEA

| | Frequency | Percent |
|----------------|-----------|---------|
| Austria | 2 | 1.5 |
| Bulgaria | 3 | 2.2 |
| Czech Republic | 24 | 17.8 |
| Denmark | 1 | .7 |
| Germany | 14 | 10.4 |
| Greece | 3 | 2.2 |
| Hungary | 4 | 3.0 |
| Ireland | 20 | 14.8 |
| Italy | 2 | 1.5 |
| Latvia | 5 | 3.7 |
| Lithuania | 3 | 2.2 |
| Poland | 29 | 21.5 |
| Romania | 19 | 14.1 |
| Slovakia | 5 | 3.7 |
| Spain | 1 | .7 |
| Total | 135 | 100.0 |

For Graduates of Medical Schools of the Rest of the World, see overleaf

Country of Qualification - Rest of World

| | Frequency | Percent |
|------------------------|-----------|---------|
| Afghanistan | 7 | .7 |
| Albania | 3 | .3 |
| Algeria | 1 | .1 |
| Armenia | 2 | .2 |
| Bangladesh | 37 | 3.5 |
| Belarus | 5 | .5 |
| Belgium | 1 | .1 |
| Bolivia | 1 | .1 |
| Bosnia And Herzegovina | 1 | .1 |
| Brazil | 5 | .5 |
| Burundi | 1 | .1 |
| Cayman Islands | 1 | .1 |
| China | 6 | .6 |
| Colombia | 3 | .3 |
| Congo, Dem Rep | 2 | .2 |
| Cuba | 2 | .2 |
| Dominica | 1 | .1 |
| Egypt | 17 | 1.6 |
| Ethiopia | 1 | .1 |
| Georgia | 1 | .1 |
| Ghana | 6 | .6 |
| Grenada | 2 | .2 |
| Guyana | 2 | .2 |
| Haiti | 1 | .1 |
| India | 345 | 32.9 |
| Iran | 14 | 1.3 |
| Iraq | 35 | 3.3 |
| Jamaica | 3 | .3 |
| Jordan | 3 | .3 |
| Kazakhstan | 2 | .2 |
| Kenya | 1 | .1 |
| Kyrgyzstan | 1 | .1 |
| Libya | 6 | .6 |
| Moldova | 1 | .1 |
| Mongolia | 1 | .1 |
| Morocco | 1 | .1 |
| Myanmar | 6 | .6 |
| Nepal | 6 | .6 |
| New Zealand | 1 | .1 |
| Nigeria | 128 | 12.2 |
| Oman | 1 | .1 |
| Pakistan | 251 | 24.0 |
| Philippines | 9 | .9 |
| Russian Federation | 32 | 3.1 |
| Saint Kitts And Nevis | 2 | .2 |
| Saint Lucia | 1 | .1 |
| Senegal | 1 | .1 |
| Serbia | 5 | .5 |
| Sierra Leone | 1 | .1 |
| South Africa | 13 | 1.2 |
| Sri Lanka | 16 | 1.5 |
| Sudan | 4 | .4 |
| Syria | 4 | .4 |
| Tajikistan | 1 | .1 |
| Turkey | 5 | .5 |
| Ukraine | 24 | 2.3 |
| United Arab Emirates | 4 | .4 |
| Uzbekistan | 1 | .1 |
| Yemen | 1 | .1 |
| Zambia | 2 | .2 |
| Zimbabwe | 7 | .7 |
| Total | 1048 | 100.0 |

Year Of Qualification * UK, EEA, or International Graduate Crosstabulation

| Count | UK, EEA, or RoW Graduate | | | Total |
|-------|--------------------------|----------|----------|-------|
| | UK Grad | EEA Grad | RoW Grad | |
| 1979 | 0 | 0 | 1 | 1 |
| 1982 | 0 | 0 | 3 | 3 |
| 1983 | 0 | 0 | 3 | 3 |
| 1984 | 0 | 0 | 1 | 1 |
| 1985 | 0 | 0 | 5 | 5 |
| 1986 | 0 | 0 | 8 | 8 |
| 1987 | 0 | 0 | 8 | 8 |
| 1988 | 0 | 0 | 10 | 10 |
| 1989 | 0 | 0 | 9 | 9 |
| 1990 | 0 | 1 | 19 | 20 |
| 1991 | 0 | 1 | 14 | 15 |
| 1992 | 1 | 2 | 25 | 28 |
| 1993 | 1 | 0 | 21 | 22 |
| 1994 | 1 | 3 | 32 | 36 |
| 1995 | 3 | 0 | 48 | 51 |
| 1996 | 5 | 3 | 50 | 58 |
| 1997 | 5 | 5 | 72 | 82 |
| 1998 | 4 | 5 | 71 | 80 |
| 1999 | 6 | 4 | 90 | 100 |
| 2000 | 7 | 6 | 102 | 115 |
| 2001 | 23 | 6 | 126 | 155 |
| 2002 | 29 | 10 | 113 | 152 |
| 2003 | 34 | 14 | 91 | 139 |
| 2004 | 59 | 16 | 59 | 134 |
| 2005 | 123 | 25 | 38 | 186 |
| 2006 | 233 | 14 | 24 | 271 |
| 2007 | 460 | 12 | 5 | 477 |
| 2008 | 1105 | 8 | 0 | 1113 |
| Total | 2099 | 135 | 1048 | 3282 |

2. CSA Candidates' Sex, Ethnic Group and whether UK or non-UK graduates, by Training Deanery

| Deanery | Ethnic Group | | | | | | UK, EEA, or RoW Graduate | | | Candidate Sex | | Total |
|------------------------|--------------|--------|---------|--------|--------------------|-----------------|--------------------------|--------------|------------------------|---------------|--------|---------|
| | Not stated | White | S Asian | Black | Chinese / SE Asian | Other Ethnicity | UK Graduate | EEA Graduate | Rest-of-World Graduate | Female | Male | |
| Armed Forces (Defence) | 1 | 22 | 2 | 0 | 0 | 1 | 26 | 0 | 0 | 15 | 11 | 26 |
| | 3.80% | 84.60% | 7.70% | 0.00% | 0.00% | 3.80% | 100.00% | 0.00% | 0.00% | 57.70% | 42.30% | 100.00% |
| East Midlands | 3 | 62 | 131 | 22 | 4 | 11 | 120 | 6 | 107 | 106 | 127 | 233 |
| | 1.30% | 26.60% | 56.20% | 9.40% | 1.70% | 4.70% | 51.50% | 2.60% | 45.90% | 45.50% | 54.50% | 100.00% |
| East of England | 0 | 100 | 137 | 35 | 2 | 11 | 134 | 18 | 133 | 158 | 127 | 285 |
| | 0.00% | 35.10% | 48.10% | 12.30% | 0.70% | 3.90% | 47.00% | 6.30% | 46.70% | 55.40% | 44.60% | 100.00% |
| East Scotland | 0 | 20 | 6 | 1 | 1 | 2 | 24 | 0 | 6 | 19 | 11 | 30 |
| | 0.00% | 66.70% | 20.00% | 3.30% | 3.30% | 6.70% | 80.00% | 0.00% | 20.00% | 63.30% | 36.70% | 100.00% |
| Kent, Surrey, Sussex | 2 | 103 | 140 | 43 | 4 | 23 | 134 | 20 | 161 | 157 | 158 | 315 |
| | 0.60% | 32.70% | 44.40% | 13.70% | 1.30% | 7.30% | 42.50% | 6.30% | 51.10% | 49.80% | 50.20% | 100.00% |
| London | 7 | 153 | 128 | 17 | 11 | 27 | 303 | 7 | 33 | 253 | 90 | 343 |
| | 2.00% | 44.60% | 37.30% | 5.00% | 3.20% | 7.90% | 88.30% | 2.00% | 9.60% | 73.80% | 26.20% | 100.00% |
| Mersey | 1 | 55 | 53 | 8 | 3 | 5 | 66 | 5 | 54 | 63 | 62 | 125 |
| | 0.80% | 44.00% | 42.40% | 6.40% | 2.40% | 4.00% | 52.80% | 4.00% | 43.20% | 50.40% | 49.60% | 100.00% |
| North Scotland | 0 | 25 | 8 | 8 | 0 | 2 | 25 | 2 | 16 | 24 | 19 | 43 |
| | 0.00% | 58.10% | 18.60% | 18.60% | 0.00% | 4.70% | 58.10% | 4.70% | 37.20% | 55.80% | 44.20% | 100.00% |
| North Western | 0 | 110 | 132 | 18 | 6 | 13 | 172 | 9 | 98 | 140 | 139 | 279 |
| | 0.00% | 39.40% | 47.30% | 6.50% | 2.20% | 4.70% | 61.60% | 3.20% | 35.10% | 50.20% | 49.80% | 100.00% |
| Northern | 3 | 85 | 53 | 4 | 0 | 8 | 97 | 8 | 48 | 79 | 74 | 153 |
| | 2.00% | 55.60% | 34.60% | 2.60% | 0.00% | 5.20% | 63.40% | 5.20% | 31.40% | 51.60% | 48.40% | 100.00% |
| Northern Ireland | 1 | 63 | 0 | 0 | 0 | 0 | 63 | 1 | 0 | 49 | 15 | 64 |
| | 1.60% | 98.40% | 0.00% | 0.00% | 0.00% | 0.00% | 98.40% | 1.60% | 0.00% | 76.60% | 23.40% | 100.00% |
| Oxford | 0 | 42 | 30 | 3 | 1 | 5 | 63 | 4 | 14 | 51 | 30 | 81 |
| | 0.00% | 51.90% | 37.00% | 3.70% | 1.20% | 6.20% | 77.80% | 4.90% | 17.30% | 63.00% | 37.00% | 100.00% |
| Severn | 0 | 93 | 15 | 2 | 1 | 3 | 100 | 5 | 9 | 74 | 40 | 114 |
| | 0.00% | 81.60% | 13.20% | 1.80% | 0.90% | 2.60% | 87.70% | 4.40% | 7.90% | 64.90% | 35.10% | 100.00% |
| South East Scotland | 1 | 50 | 4 | 2 | 1 | 0 | 53 | 0 | 5 | 40 | 18 | 58 |
| | 1.70% | 86.20% | 6.90% | 3.40% | 1.70% | 0.00% | 91.40% | 0.00% | 8.60% | 69.00% | 31.00% | 100.00% |
| South West Peninsula | 1 | 76 | 6 | 2 | 1 | 4 | 78 | 5 | 7 | 53 | 37 | 90 |
| | 1.10% | 84.40% | 6.70% | 2.20% | 1.10% | 4.40% | 86.70% | 5.60% | 7.80% | 58.90% | 41.10% | 100.00% |
| Wales | 1 | 75 | 26 | 2 | 1 | 3 | 80 | 6 | 22 | 67 | 41 | 108 |
| | 0.90% | 69.40% | 24.10% | 1.90% | 0.90% | 2.80% | 74.10% | 5.60% | 20.40% | 62.00% | 38.00% | 100.00% |
| Wessex | 1 | 78 | 36 | 10 | 2 | 7 | 83 | 9 | 42 | 83 | 51 | 134 |
| | 0.70% | 58.20% | 26.90% | 7.50% | 1.50% | 5.20% | 61.90% | 6.70% | 31.30% | 61.90% | 38.10% | 100.00% |
| West Midlands | 3 | 106 | 193 | 18 | 5 | 18 | 190 | 18 | 135 | 173 | 170 | 343 |
| | 0.90% | 30.90% | 56.30% | 5.20% | 1.50% | 5.20% | 55.40% | 5.20% | 39.40% | 50.40% | 49.60% | 100.00% |
| West Scotland | 1 | 81 | 50 | 5 | 2 | 0 | 96 | 5 | 38 | 80 | 59 | 139 |
| | 0.70% | 58.30% | 36.00% | 3.60% | 1.40% | 0.00% | 69.10% | 3.60% | 27.30% | 57.60% | 42.40% | 100.00% |
| Yorkshire & The Humber | 4 | 146 | 130 | 14 | 3 | 22 | 192 | 7 | 120 | 182 | 137 | 319 |
| | 1.30% | 45.80% | 40.80% | 4.40% | 0.90% | 6.90% | 60.20% | 2.20% | 37.60% | 57.10% | 42.90% | 100.00% |
| TOTAL | 30 | 1545 | 1280 | 214 | 48 | 165 | 2099 | 135 | 1048 | 1866 | 1416 | 3282 |
| | 0.90% | 47.10% | 39.00% | 6.50% | 1.50% | 5.00% | 64.00% | 4.10% | 31.90% | 56.90% | 43.10% | 100.00% |

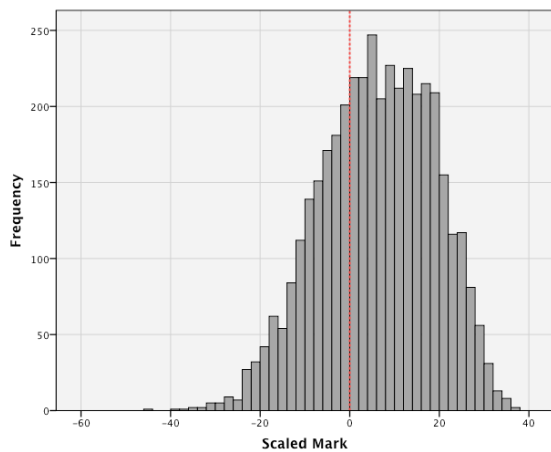
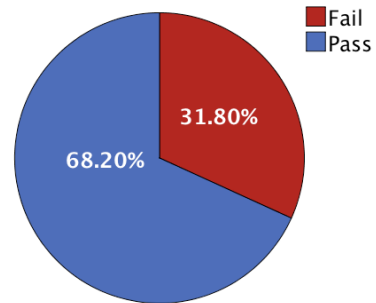
B: Main Results: Overall, and by Exam Diet and Attempt (All Candidates)

1. CSA Result and scores, overall

The pass-mark varies day-on-day (see introduction): marks have been re-scaled in this report to a pass-mark of zero

CSA Result

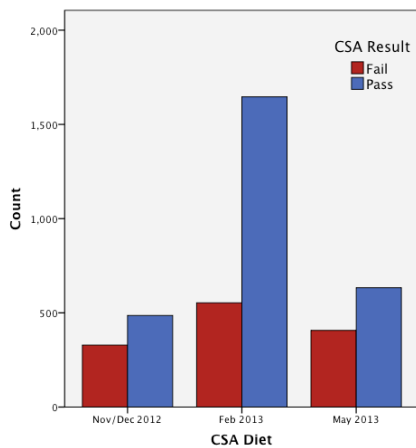
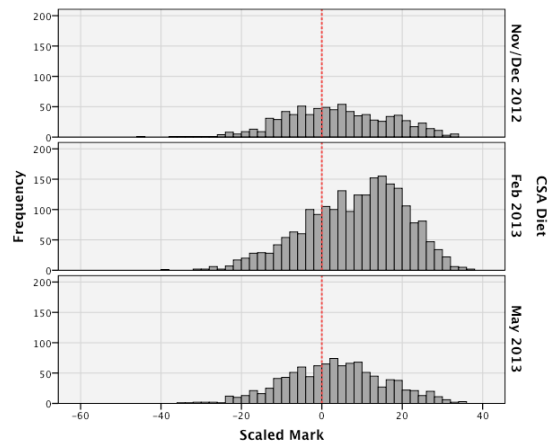
| | Frequency | Percent |
|-------|-----------|---------|
| Fail | 1289 | 31.8 |
| Pass | 2765 | 68.2 |
| Total | 4054 | 100.0 |



2. CSA Result and scores, by CSA Diet (all candidates)

CSA Diet * CSA Result Crosstabulation

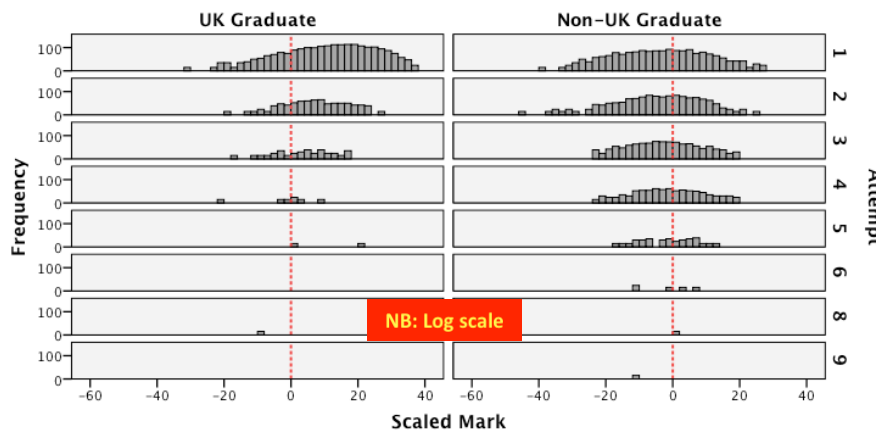
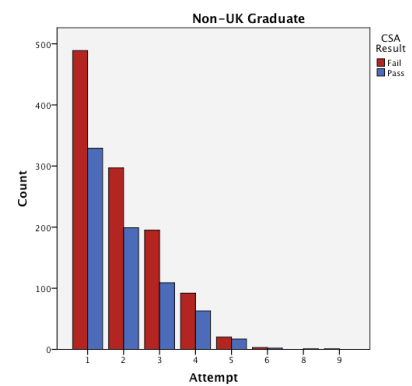
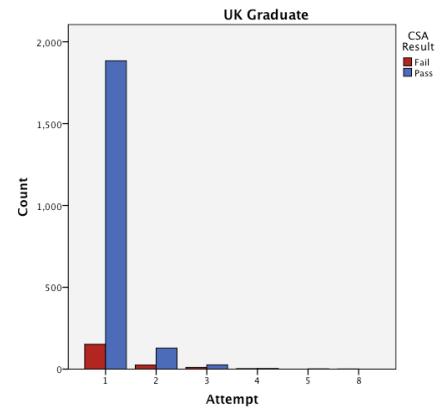
| CSA Diet | CSA Result | | Total |
|--------------|---------------|---------------|----------------|
| | Fail | Pass | |
| Nov/Dec 2012 | 329 40.4% | 486 59.6% | 815 100.0% |
| Feb 2013 | 553 25.1% | 1646 74.9% | 2199 100.0% |
| May 2013 | 407 39.1% | 633 60.9% | 1040 100.0% |
| Total | 1289 31.8% | 2765 68.2% | 4054 100.0% |



3. Result and scores, by attempt at the CSA: all graduates, and separated by source of primary medical qualification, UK/non-UK (all candidates)

Attempt * CSA Result * UK or Non-UK Graduate (from GMC)
Crosstabulation

| UK or Non-UK Graduate (from GMC) | | CSA Result | | Total |
|----------------------------------|-----------------|---------------|---------------|----------------|
| | | Fail | Pass | |
| UK Graduate | 1 | 152 7.5% | 1884 92.5% | 2036 100.0% |
| | 2 | 25 16.2% | 129 83.8% | 154 100.0% |
| | 3 | 11 29.7% | 26 70.3% | 37 100.0% |
| | 4 | 3 42.9% | 4 57.1% | 7 100.0% |
| | 5 | 0 .0% | 2 100.0% | 2 100.0% |
| | 8 | 1 100.0% | 0 .0% | 1 100.0% |
| | Total | 192 8.6% | 2045 91.4% | 2237 100.0% |
| | Non-UK Graduate | 1 | 489 59.8% | 329 40.2% |
| 2 | | 297 59.9% | 199 40.1% | 496 100.0% |
| 3 | | 195 64.1% | 109 35.9% | 304 100.0% |
| 4 | | 92 59.4% | 63 40.6% | 155 100.0% |
| 5 | | 20 54.1% | 17 45.9% | 37 100.0% |
| 6 | | 3 60.0% | 2 40.0% | 5 100.0% |
| 8 | | 0 .0% | 1 100.0% | 1 100.0% |
| 9 | | 1 100.0% | 0 .0% | 1 100.0% |
| Total | | 1097 60.4% | 720 39.6% | 1817 100.0% |
| Total | | 1 | 641 22.5% | 2213 77.5% |
| | 2 | 322 49.5% | 328 50.5% | 650 100.0% |
| | 3 | 206 60.4% | 135 39.6% | 341 100.0% |
| | 4 | 95 58.6% | 67 41.4% | 162 100.0% |
| | 5 | 20 51.3% | 19 48.7% | 39 100.0% |
| | 6 | 3 60.0% | 2 40.0% | 5 100.0% |
| | 8 | 1 50.0% | 1 50.0% | 2 100.0% |
| | 9 | 1 100.0% | 0 .0% | 1 100.0% |
| | Total | 1289 31.8% | 2765 68.2% | 4054 100.0% |



4. Candidates with Disabilities: prevalence overall and by attempt; outcomes

UK Equality Legislation permits examination candidates with disabilities to request reasonable accommodations in regard to their disabilities, without affecting the difficulty of the examination. The tables below record the prevalence of such candidates in attempts at the CSA in 2012-13, together with the results of the assessments.

There were 140 disabled candidate-attempts at the CSA (see first table below), representing 3.5 % of all attempts, a large increase on the previous year (= 84). The second, larger table shows the outcomes for these candidates.

Readers should be cautious in their interpretation of these results. By no means all re-sitting candidates who register a disability at the second or later attempt had declared it at their first attempt.

The pass rate for candidates reporting disabilities was 79% on first attempt, 60% on subsequent attempts, combined.

Disability Reported

| | Frequency | Percent |
|--------------------------|-----------|---------|
| Dyslexia | 86 | 61.4 |
| Hearing impaired | 11 | 7.9 |
| More than one disability | 3 | 2.1 |
| Other disability | 19 | 13.6 |
| Physical disabilities | 9 | 6.4 |
| Speech impaired | 9 | 6.4 |
| Visually impaired | 3 | 2.1 |
| Total | 140 | 100.0 |

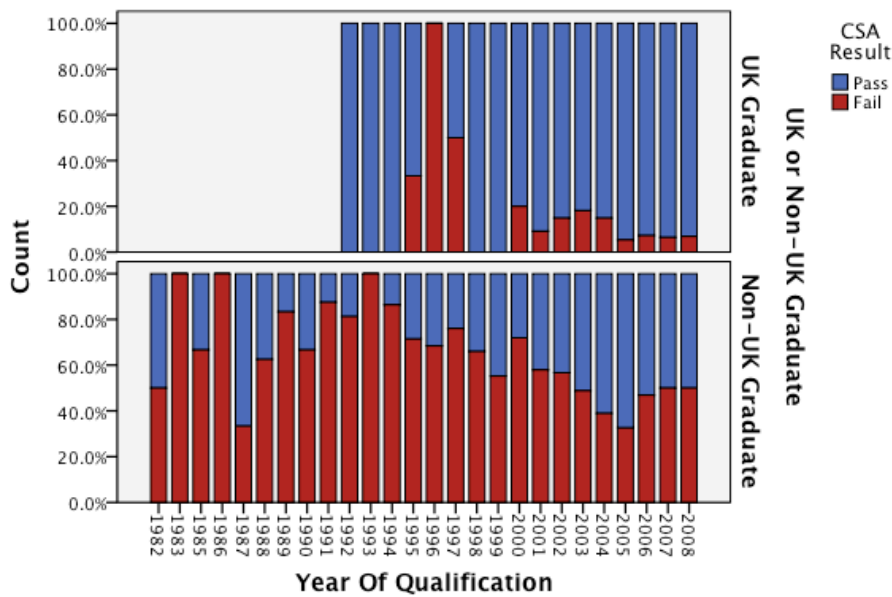
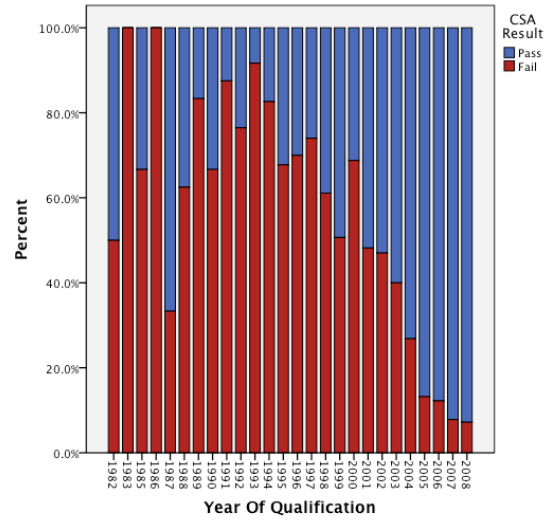
Attempt

| Result | | 1 | 2 | 3 | 4 | 5 | 6 | 8 | Total | |
|--------|--------------|--------------------------|----|---|---|---|---|---|-------|----|
| Fail | Disabilities | Dyslexia | 10 | 9 | 4 | 3 | | | | 26 |
| | | Hearing impaired | 1 | | | | | | | 1 |
| | | More than one disability | 1 | | | | | | | 1 |
| | | Other disability | 2 | | 2 | | | 1 | | 5 |
| | | Physical disabilities | 1 | | | | | | | 1 |
| | | Speech impaired | 1 | | 2 | 1 | 1 | | | 5 |
| | | Visually impaired | 1 | | | | | | | 1 |
| | Total | 17 | 9 | 8 | 4 | 1 | 1 | | 40 | |
| Pass | Disabilities | Dyslexia | 43 | 9 | 3 | 2 | 3 | | | 60 |
| | | Hearing impaired | 8 | 1 | 1 | | | | | 10 |
| | | More than one disability | 1 | | | 1 | | | | 2 |
| | | Other disability | 9 | 2 | 2 | | | | 1 | 14 |
| | | Physical disabilities | 4 | 3 | | | 1 | | | 8 |
| | | Speech impaired | 1 | 1 | | 1 | 1 | | | 4 |
| | | Visually impaired | | | | 2 | | | | 2 |
| | Total | 66 | 16 | 6 | 6 | 5 | | 1 | 100 | |

5. Result on CSA on first attempt by year of qualification a) for all candidates and b) for UK and non-UK Graduates separately

Year Of Qualification * UK or Non-UK Graduate Crosstabulation

| Count | | UK or Non-UK Graduate | | Total |
|-----------------------|------|-----------------------|-----------------|-------|
| | | UK Graduate | Non-UK Graduate | |
| Year Of Qualification | 1982 | 0 | 2 | 2 |
| | 1983 | 0 | 2 | 2 |
| | 1985 | 0 | 3 | 3 |
| | 1986 | 0 | 4 | 4 |
| | 1987 | 0 | 3 | 3 |
| | 1988 | 0 | 8 | 8 |
| | 1989 | 0 | 6 | 6 |
| | 1990 | 0 | 15 | 15 |
| | 1991 | 0 | 8 | 8 |
| | 1992 | 1 | 16 | 17 |
| | 1993 | 1 | 11 | 12 |
| | 1994 | 1 | 22 | 23 |
| | 1995 | 3 | 28 | 31 |
| | 1996 | 2 | 38 | 40 |
| | 1997 | 4 | 46 | 50 |
| | 1998 | 4 | 50 | 54 |
| | 1999 | 6 | 67 | 73 |
| | 2000 | 5 | 75 | 80 |
| | 2001 | 22 | 88 | 110 |
| | 2002 | 27 | 90 | 117 |
| | 2003 | 33 | 82 | 115 |
| | 2004 | 54 | 54 | 108 |
| | 2005 | 113 | 46 | 159 |
| | 2006 | 222 | 32 | 254 |
| | 2007 | 433 | 14 | 447 |
| | 2008 | 1105 | 8 | 1113 |
| Total | | 2036 | 818 | 2854 |

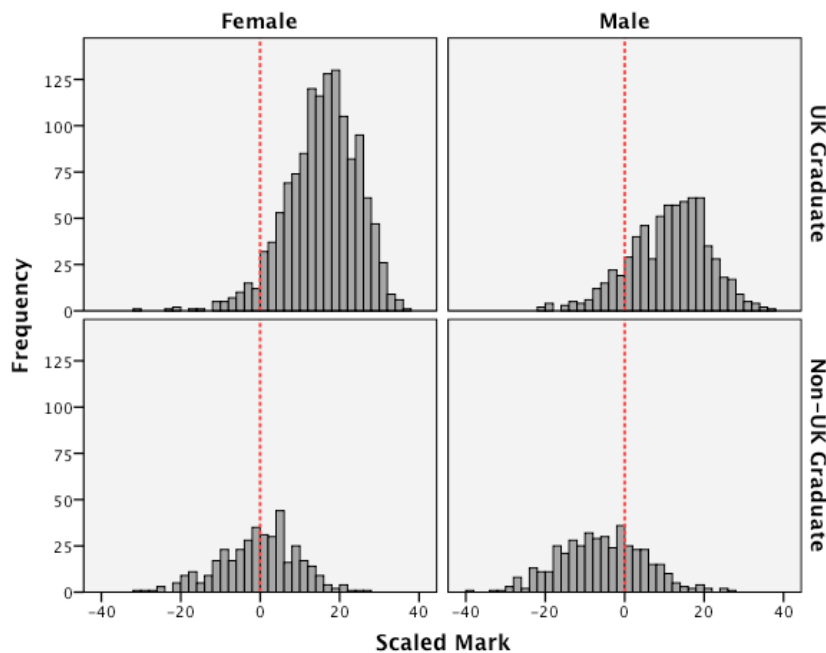
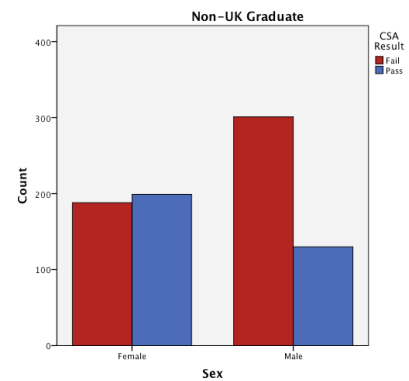
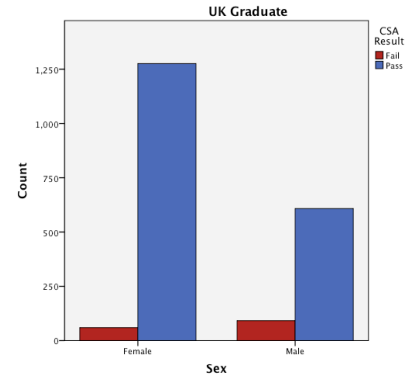


C: Results by Individual Demographics (Candidates on first attempt, only)

1. Result and scores by candidate sex, and within source of PMQ (1st attempt)

Sex * CSA Result * UK or Non-UK Graduate (from GMC)
Crosstabulation

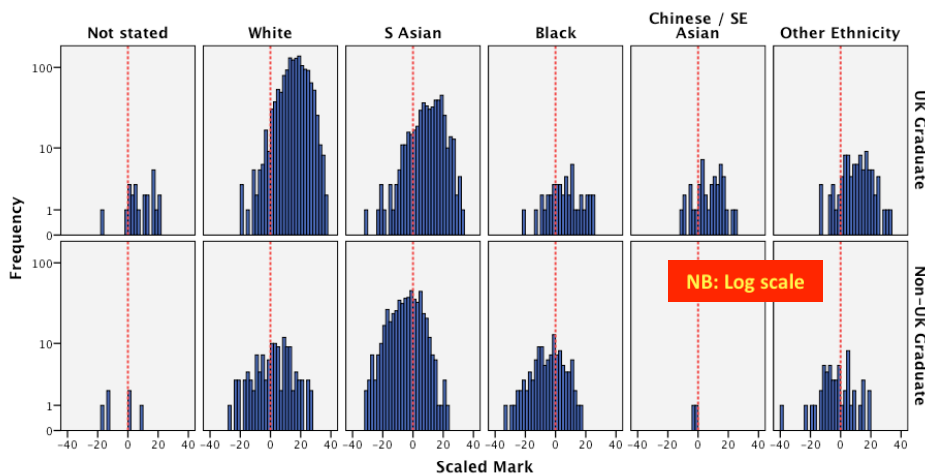
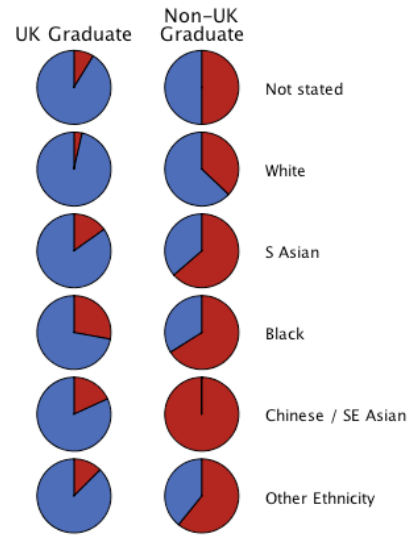
| UK or Non-UK Graduate (from GMC) | | CSA Result | | Total |
|----------------------------------|--------|------------|-------|--------|
| | | Fail | Pass | |
| UK Graduate | Female | 60 | 1276 | 1336 |
| | | 4.5% | 95.5% | 100.0% |
| | Male | 92 | 608 | 700 |
| | | 13.1% | 86.9% | 100.0% |
| Total | | 152 | 1884 | 2036 |
| | | 7.5% | 92.5% | 100.0% |
| Non-UK Graduate | Female | 188 | 199 | 387 |
| | | 48.6% | 51.4% | 100.0% |
| | Male | 301 | 130 | 431 |
| | | 69.8% | 30.2% | 100.0% |
| Total | | 489 | 329 | 818 |
| | | 59.8% | 40.2% | 100.0% |
| Total | Female | 248 | 1475 | 1723 |
| | | 14.4% | 85.6% | 100.0% |
| | Male | 393 | 738 | 1131 |
| | | 34.7% | 65.3% | 100.0% |
| Total | | 641 | 2213 | 2854 |
| | | 22.5% | 77.5% | 100.0% |



2. Result by classified candidate ethnicity, and separated by source of primary medical qualification, UK/non-UK graduates (1st attempt)

Ethnic Group * CSA Result * UK or Non-UK Graduate (from GMC)
Crosstabulation

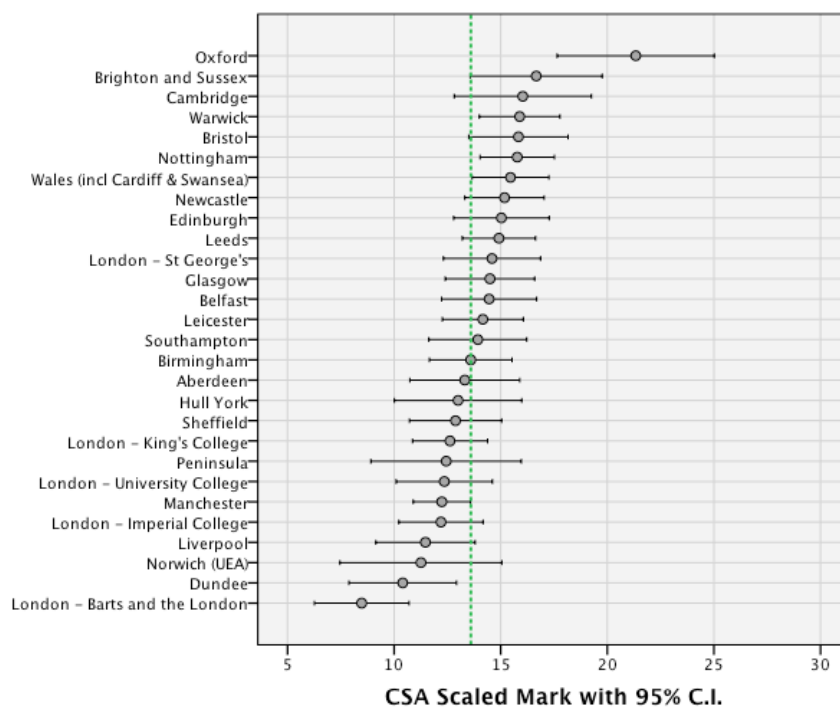
| UK or Non-UK Graduate (from GMC) | | CSA Result | | Total |
|----------------------------------|--------------------|---------------|----------------|----------------|
| | | Fail | Pass | |
| UK Graduate | Not stated | 2 8.7% | 21 91.3% | 23 100.0% |
| | White | 48 3.5% | 1322 96.5% | 1370 100.0% |
| | S Asian | 71 15.2% | 397 84.8% | 468 100.0% |
| | Black | 12 27.9% | 31 72.1% | 43 100.0% |
| | Chinese / SE Asian | 8 18.2% | 36 81.8% | 44 100.0% |
| | Other Ethnicity | 11 12.5% | 77 87.5% | 88 100.0% |
| | Total | 152 7.5% | 1884 92.5% | 2036 100.0% |
| | Non-UK Graduate | Not stated | 3 50.0% | 3 50.0% |
| White | 46 37.1% | 78 62.9% | 124 100.0% | |
| S Asian | 333 63.7% | 190 36.3% | 523 100.0% | |
| Black | 74 66.1% | 38 33.9% | 112 100.0% | |
| Chinese / SE Asian | 2 100.0% | 0 .0% | 2 100.0% | |
| Other Ethnicity | 31 60.8% | 20 39.2% | 51 100.0% | |
| Total | 489 59.8% | 329 40.2% | 818 100.0% | |
| Total | Not stated | 5 17.2% | 24 82.8% | 29 100.0% |
| White | 94 6.3% | 1400 93.7% | 1494 100.0% | |
| S Asian | 404 40.8% | 587 59.2% | 991 100.0% | |
| Black | 86 55.5% | 69 44.5% | 155 100.0% | |
| Chinese / SE Asian | 10 21.7% | 36 78.3% | 46 100.0% | |
| Other Ethnicity | 42 30.2% | 97 69.8% | 139 100.0% | |
| Total | 641 22.5% | 2213 77.5% | 2854 100.0% | |



3. CSA Result and Scores by PMQ, subdivided (1st attempt)

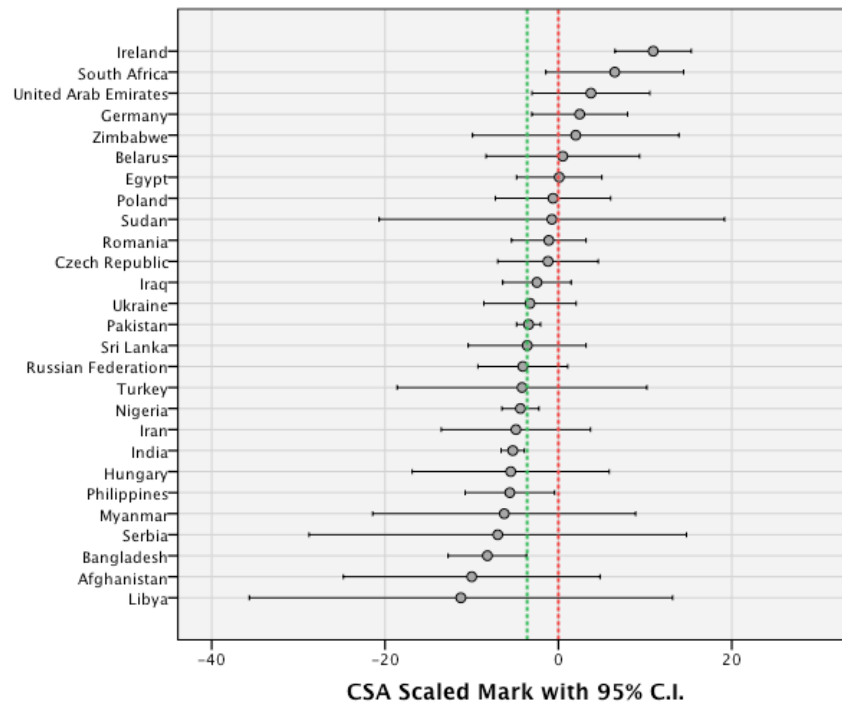
UK Graduates (by medical school)

| UK Medical School | Descriptive Statistics | | | | | CSA Result | |
|--------------------------------|------------------------|-----|-----|-------|-------|------------|--------|
| | N | Min | Max | Mean | SD | Fail | Pass |
| Aberdeen | 57 | -20 | 33 | 13.32 | 9.72 | 7.0% | 93.0% |
| Belfast | 57 | -7 | 28 | 14.46 | 8.41 | 5.3% | 94.7% |
| Birmingham | 118 | -17 | 33 | 13.59 | 10.62 | 10.2% | 89.8% |
| Brighton and Sussex | 24 | 4 | 30 | 16.67 | 7.34 | 0.0% | 100.0% |
| Bristol | 53 | -3 | 32 | 15.83 | 8.45 | 3.8% | 96.2% |
| Cambridge | 29 | -1 | 29 | 16.03 | 8.46 | 3.4% | 96.6% |
| Dundee | 42 | -8 | 25 | 10.4 | 8.10 | 9.5% | 90.5% |
| Edinburgh | 62 | -6 | 35 | 15.03 | 8.83 | 6.5% | 93.5% |
| Glasgow | 73 | -7 | 31 | 14.49 | 9.00 | 4.1% | 95.9% |
| Hull York | 31 | -8 | 29 | 13 | 8.15 | 6.5% | 93.5% |
| Leeds | 96 | -8 | 32 | 14.92 | 8.48 | 2.1% | 97.9% |
| Leicester | 81 | -4 | 30 | 14.16 | 8.60 | 7.4% | 92.6% |
| Liverpool | 83 | -22 | 31 | 11.47 | 10.67 | 13.3% | 86.7% |
| London - Barts and the London | 96 | -24 | 27 | 8.48 | 10.96 | 17.7% | 82.3% |
| London - Imperial College | 86 | -13 | 29 | 12.2 | 9.21 | 7.0% | 93.0% |
| London - King's College | 119 | -32 | 32 | 12.62 | 9.71 | 7.6% | 92.4% |
| London - St George's | 61 | -5 | 37 | 14.59 | 8.89 | 4.9% | 95.1% |
| London - University College | 96 | -20 | 35 | 12.35 | 11.13 | 13.5% | 86.5% |
| London (school unknown) | 1 | 19 | 19 | 19 | | 0.0% | 100.0% |
| Manchester | 169 | -11 | 30 | 12.24 | 8.85 | 10.1% | 89.9% |
| Newcastle | 100 | -12 | 35 | 15.18 | 9.38 | 5.0% | 95.0% |
| Norwich (UEA) | 31 | -11 | 33 | 11.26 | 10.35 | 12.9% | 87.1% |
| Nottingham | 98 | -20 | 30 | 15.78 | 8.69 | 3.1% | 96.9% |
| Oxford | 21 | 5 | 34 | 21.33 | 8.10 | 0.0% | 100.0% |
| Peninsula | 34 | -15 | 29 | 12.44 | 10.12 | 8.8% | 91.2% |
| Sheffield | 83 | -16 | 33 | 12.88 | 9.90 | 9.6% | 90.4% |
| Southampton | 69 | -22 | 34 | 13.93 | 9.57 | 5.8% | 94.2% |
| Wales (incl Cardiff & Swansea) | 94 | -12 | 37 | 15.46 | 8.79 | 5.3% | 94.7% |
| Warwick | 72 | -11 | 33 | 15.89 | 8.04 | 1.4% | 98.6% |



Non-UK Graduates (by country; chart overleaf only shows countries with ≥4 candidates: 1st attempt)

| Country of Qualification | N | Descriptive Statistics | | | | CSA Result | |
|--------------------------|-----|------------------------|-----|--------|-------|------------|--------|
| | | Min | Max | Mean | SD | Fail | Pass |
| Afghanistan | 4 | -21 | 1 | -10.00 | 9.31 | 75.0% | 25.0% |
| Albania | 1 | -17 | -17 | -17.00 | . | 100.0% | 0.0% |
| Algeria | 1 | -39 | -39 | -39.00 | . | 100.0% | 0.0% |
| Armenia | 1 | -16 | -16 | -16.00 | . | 100.0% | 0.0% |
| Austria | 2 | -4 | 6 | 1.00 | 7.07 | 50.0% | 50.0% |
| Bangladesh | 21 | -32 | 5 | -8.19 | 9.95 | 71.4% | 28.6% |
| Belarus | 4 | -7 | 6 | 0.50 | 5.57 | 25.0% | 75.0% |
| Belgium | 1 | 24 | 24 | 24.00 | . | 0.0% | 100.0% |
| Bolivia | 1 | 2 | 2 | 2.00 | . | 0.0% | 100.0% |
| Brazil | 3 | -3 | 13 | 4.00 | 8.19 | 33.3% | 66.7% |
| Bulgaria | 1 | -13 | -13 | -13.00 | . | 100.0% | 0.0% |
| Burundi | 1 | -21 | -21 | -21.00 | . | 100.0% | 0.0% |
| Cayman Islands | 1 | 5 | 5 | 5.00 | . | 0.0% | 100.0% |
| China | 3 | -29 | 1 | -15.33 | 15.18 | 66.7% | 33.3% |
| Colombia | 3 | -12 | 4 | -1.67 | 8.96 | 33.3% | 66.7% |
| Congo, Dem Rep | 1 | -18 | -18 | -18.00 | . | 100.0% | 0.0% |
| Cuba | 1 | -2 | -2 | -2.00 | . | 100.0% | 0.0% |
| Czech Republic | 20 | -26 | 20 | -1.20 | 12.40 | 55.0% | 45.0% |
| Denmark | 1 | -4 | -4 | -4.00 | . | 100.0% | 0.0% |
| Dominica | 1 | -27 | -27 | -27.00 | . | 100.0% | 0.0% |
| Egypt | 10 | -11 | 9 | 0.10 | 6.89 | 40.0% | 60.0% |
| Georgia | 1 | -6 | -6 | -6.00 | . | 100.0% | 0.0% |
| Germany | 11 | -17 | 9 | 2.45 | 8.21 | 27.3% | 72.7% |
| Ghana | 3 | -11 | -1 | -4.33 | 5.77 | 100.0% | 0.0% |
| Greece | 3 | -14 | 13 | -4.33 | 15.04 | 66.7% | 33.3% |
| Grenada | 1 | 0 | 0 | 0.00 | . | 0.0% | 100.0% |
| Guyana | 2 | 1 | 20 | 10.50 | 13.44 | 0.0% | 100.0% |
| Haiti | 1 | -11 | -11 | -11.00 | . | 100.0% | 0.0% |
| Hungary | 4 | -16 | -1 | -5.50 | 7.14 | 100.0% | 0.0% |
| India | 231 | -31 | 21 | -5.26 | 10.35 | 65.4% | 34.6% |
| Iran | 10 | -23 | 10 | -4.90 | 12.03 | 50.0% | 50.0% |
| Iraq | 25 | -17 | 18 | -2.48 | 9.55 | 68.0% | 32.0% |
| Ireland | 17 | -7 | 25 | 10.94 | 8.56 | 11.8% | 88.2% |
| Jamaica | 1 | -11 | -11 | -11.00 | . | 100.0% | 0.0% |
| Jordan | 3 | -14 | 10 | 0.33 | 12.66 | 33.3% | 66.7% |
| Kazakhstan | 1 | -7 | -7 | -7.00 | . | 100.0% | 0.0% |
| Kenya | 1 | -13 | -13 | -13.00 | . | 100.0% | 0.0% |
| Kyrgyzstan | 1 | 5 | 5 | 5.00 | . | 0.0% | 100.0% |
| Latvia | 3 | -17 | 10 | -6.00 | 14.18 | 66.7% | 33.3% |
| Libya | 4 | -23 | 10 | -11.25 | 15.35 | 75.0% | 25.0% |
| Lithuania | 3 | -11 | 7 | -1.67 | 9.02 | 66.7% | 33.3% |
| Moldova | 1 | 13 | 13 | 13.00 | . | 0.0% | 100.0% |
| Mongolia | 1 | -3 | -3 | -3.00 | . | 100.0% | 0.0% |
| Myanmar | 4 | -18 | 5 | -6.25 | 9.54 | 75.0% | 25.0% |
| Nepal | 3 | -21 | 3 | -6.67 | 12.66 | 66.7% | 33.3% |
| New Zealand | 1 | 12 | 12 | 12.00 | . | 0.0% | 100.0% |
| Nigeria | 87 | -30 | 17 | -4.38 | 10.06 | 65.5% | 34.5% |
| Oman | 1 | 13 | 13 | 13.00 | . | 0.0% | 100.0% |
| Pakistan | 172 | -28 | 23 | -3.44 | 9.25 | 60.5% | 39.5% |
| Philippines | 5 | -10 | 0 | -5.60 | 4.16 | 80.0% | 20.0% |
| Poland | 21 | -23 | 27 | -0.62 | 14.61 | 52.4% | 47.6% |
| Romania | 18 | -18 | 11 | -1.11 | 8.64 | 38.9% | 61.1% |
| Russian Federation | 20 | -24 | 26 | -4.10 | 11.06 | 55.0% | 45.0% |
| Saint Kitts And Nevis | 1 | 5 | 5 | 5.00 | . | 0.0% | 100.0% |
| Saint Lucia | 1 | -18 | -18 | -18.00 | . | 100.0% | 0.0% |
| Senegal | 1 | 4 | 4 | 4.00 | . | 0.0% | 100.0% |
| Serbia | 5 | -28 | 9 | -7.00 | 17.54 | 40.0% | 60.0% |
| Sierra Leone | 1 | -16 | -16 | -16.00 | . | 100.0% | 0.0% |
| Slovakia | 2 | -23 | 1 | -11.00 | 16.97 | 50.0% | 50.0% |
| South Africa | 12 | -24 | 21 | 6.50 | 12.51 | 25.0% | 75.0% |
| Spain | 1 | -5 | -5 | -5.00 | . | 100.0% | 0.0% |
| Sri Lanka | 10 | -17 | 11 | -3.60 | 9.50 | 70.0% | 30.0% |
| Sudan | 4 | -12 | 12 | -0.75 | 12.53 | 50.0% | 50.0% |
| Syria | 3 | -6 | 2 | -3.00 | 4.36 | 66.7% | 33.3% |
| Tajikistan | 1 | -20 | -20 | -20.00 | . | 100.0% | 0.0% |
| Turkey | 5 | -21 | 10 | -4.20 | 11.61 | 60.0% | 40.0% |
| Ukraine | 18 | -33 | 17 | -3.28 | 10.71 | 66.7% | 33.3% |
| United Arab Emirates | 4 | -1 | 9 | 3.75 | 4.27 | 25.0% | 75.0% |
| Uzbekistan | 1 | -15 | -15 | -15.00 | . | 100.0% | 0.0% |
| Yemen | 1 | -19 | -19 | -19.00 | . | 100.0% | 0.0% |
| Zambia | 1 | -24 | -24 | -24.00 | . | 100.0% | 0.0% |
| Zimbabwe | 4 | -8 | 10 | 2.00 | 7.48 | 25.0% | 75.0% |



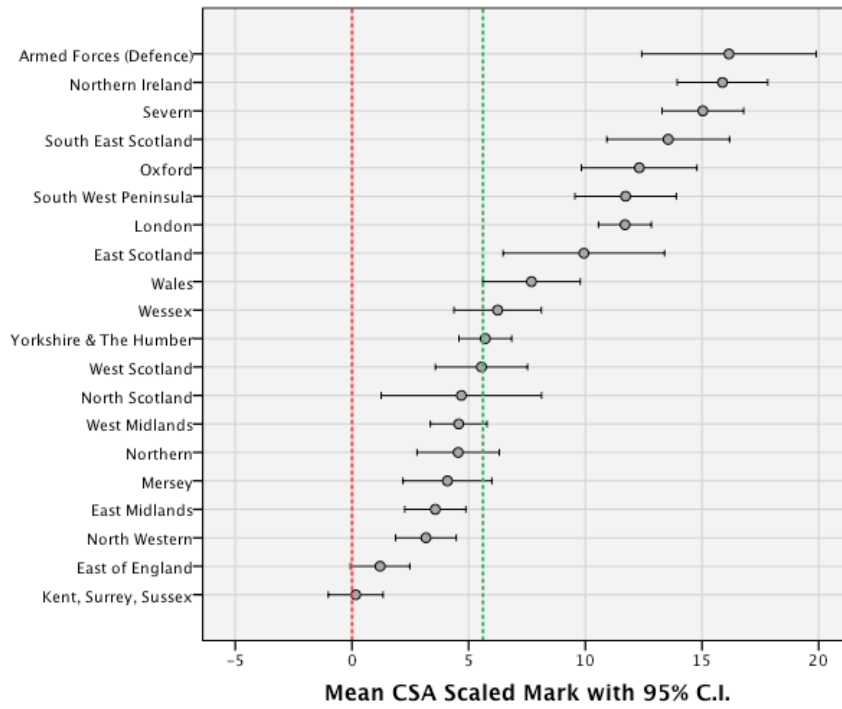
D: Results by Training Deanery

1. Results for all attempts, combined: by sex, ethnic group and source of PMQ (percentages rounded off for clarity)

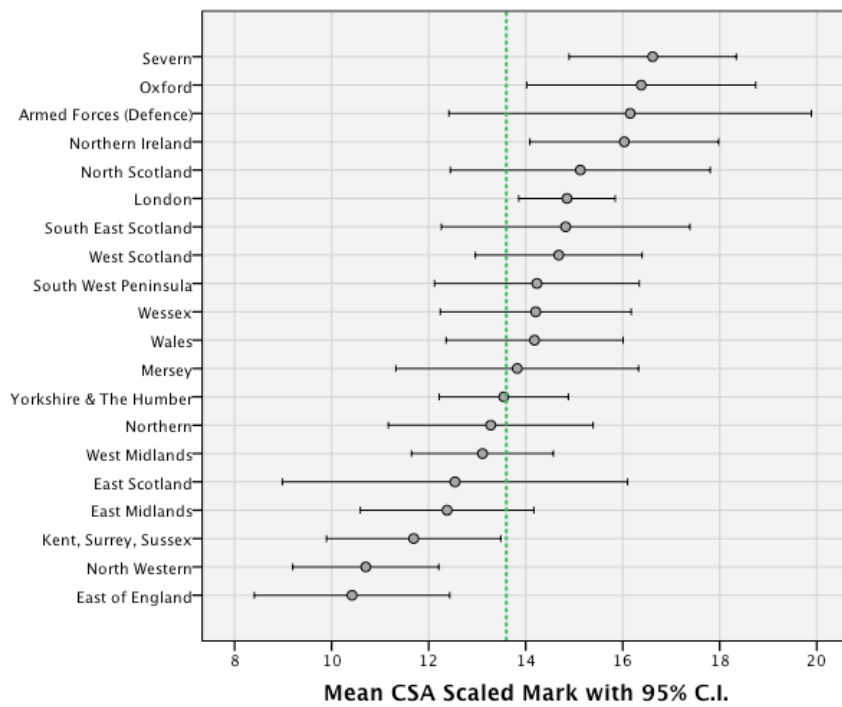
| Deanery | Sex | | | | Ethnicity | | | | | | | | | | | | Source of PMQ | | | | | | All Graduates | | Total N | | | |
|------------------------|--------|------|------|------|------------|------|-------|------|---------|------|-------|------|----------------|------|-----------------|------|---------------|------|----------|------|----------|------|---------------|------|---------|------|------|------|
| | Female | | Male | | Not stated | | White | | S Asian | | Black | | Chinese / SE A | | Other Ethnicity | | UK Grad | | EEA Grad | | RoW Grad | | Fail | Pass | | | | |
| | Fail | Pass | Fail | Pass | Fail | Pass | Fail | Pass | Fail | Pass | Fail | Pass | Fail | Pass | Fail | Pass | Fail | Pass | Fail | Pass | Fail | Pass | | | | | | |
| Armed Forces (Defence) | 0 | 15 | 0 | 11 | 0 | 1 | 0 | 22 | 0 | 2 | | | | | | | 0 | 1 | 0 | 26 | | | | | 0 | 26 | 26 | |
| | 0% | 100% | 0% | 100% | 0% | 100% | 0% | 100% | 0% | 100% | | | | | | | 0% | 100% | 0% | 100% | | | | | 0% | 100% | 100% | |
| East Midlands | 37 | 91 | 75 | 99 | 0 | 3 | 0 | 62 | 84 | 100 | 22 | 13 | 1 | 3 | 5 | 9 | 11 | 116 | 2 | 6 | 99 | 68 | | | 112 | 190 | 302 | |
| | 29% | 71% | 43% | 57% | 0% | 100% | 0% | 100% | 46% | 54% | 63% | 37% | 25% | 75% | 36% | 64% | 9% | 91% | 25% | 75% | 59% | 41% | | | 37% | 63% | 100% | |
| East of England | 61 | 137 | 111 | 80 | | | 25 | 92 | 109 | 96 | 32 | 19 | 0 | 2 | 6 | 8 | 29 | 127 | 13 | 14 | 130 | 76 | | | 172 | 217 | 389 | |
| | 31% | 69% | 58% | 42% | | | 21% | 79% | 53% | 47% | 63% | 37% | 0% | 100% | 43% | 57% | 19% | 81% | 48% | 52% | 63% | 37% | | | 44% | 56% | 100% | |
| East Scotland | 2 | 19 | 2 | 9 | | | 1 | 20 | 1 | 5 | 0 | 1 | 1 | 1 | 1 | 1 | 2 | 24 | | | 2 | 4 | | | 4 | 28 | 32 | |
| | 10% | 91% | 18% | 82% | | | 5% | 95% | 17% | 83% | 0% | 100% | 50% | 50% | 50% | 50% | 8% | 92% | | | 33% | 67% | | | 13% | 88% | 100% | |
| Kent, Surrey, Sussex | 61 | 135 | 147 | 95 | 3 | 2 | 22 | 95 | 111 | 90 | 58 | 22 | 1 | 4 | 13 | 17 | 19 | 128 | 11 | 13 | 178 | 89 | | | 208 | 230 | 438 | |
| | 31% | 69% | 61% | 39% | 60% | 40% | 19% | 81% | 55% | 45% | 73% | 28% | 20% | 80% | 43% | 57% | 13% | 87% | 46% | 54% | 67% | 33% | | | 48% | 53% | 100% | |
| London | 20 | 246 | 34 | 75 | 0 | 7 | 8 | 150 | 29 | 112 | 12 | 15 | 2 | 11 | 3 | 26 | 15 | 300 | 9 | 3 | 30 | 18 | | | 54 | 321 | 375 | |
| | 8% | 93% | 31% | 69% | 0% | 100% | 5% | 95% | 21% | 79% | 44% | 56% | 15% | 85% | 10% | 90% | 5% | 95% | 75% | 25% | 63% | 38% | | | 14% | 86% | 100% | |
| Mersey | 25 | 53 | 37 | 46 | 0 | 1 | 8 | 52 | 40 | 35 | 7 | 5 | 2 | 3 | 5 | 3 | 9 | 62 | 5 | 4 | 48 | 33 | | | 62 | 99 | 161 | |
| | 32% | 68% | 45% | 55% | 0% | 100% | 13% | 87% | 53% | 47% | 58% | 42% | 40% | 60% | 63% | 38% | 13% | 87% | 56% | 44% | 59% | 41% | | | 39% | 62% | 100% | |
| North Scotland | 5 | 22 | 15 | 13 | | | 4 | 23 | 6 | 5 | 8 | 6 | | | | 2 | 1 | 1 | 24 | 2 | 2 | 17 | 9 | | | 20 | 35 | 55 |
| | 19% | 82% | 54% | 46% | | | 15% | 85% | 55% | 46% | 57% | 43% | | | | 67% | 33% | 4% | 96% | 50% | 50% | 65% | 35% | | | 36% | 64% | 100% |
| North Western | 36 | 122 | 95 | 102 | | | 9 | 107 | 97 | 89 | 18 | 11 | 1 | 5 | 6 | 12 | 26 | 167 | 6 | 7 | 99 | 50 | | | 131 | 224 | 355 | |
| | 23% | 77% | 48% | 52% | | | 8% | 92% | 52% | 48% | 62% | 38% | 17% | 83% | 33% | 67% | 14% | 87% | 46% | 54% | 66% | 34% | | | 37% | 63% | 100% | |
| Northern | 28 | 66 | 51 | 52 | 2 | 2 | 8 | 80 | 55 | 30 | 6 | 1 | 1 | 0 | 7 | 5 | 13 | 90 | 7 | 4 | 59 | 24 | | | 79 | 118 | 197 | |
| | 30% | 70% | 50% | 51% | 50% | 50% | 9% | 91% | 65% | 35% | 86% | 14% | 100% | 0% | 58% | 42% | 13% | 87% | 64% | 36% | 71% | 29% | | | 40% | 60% | 100% | |
| Northern Ireland | 1 | 48 | 0 | 15 | 0 | 1 | 1 | 62 | | | | | | | | | 1 | 62 | 0 | 1 | | | | | 1 | 63 | 64 | |
| | 2% | 98% | 0% | 100% | 0% | 100% | 2% | 98% | | | | | | | | | 2% | 98% | 0% | 100% | | | | | 2% | 98% | 100% | |
| Oxford | 8 | 46 | 5 | 28 | | | 2 | 40 | 7 | 28 | 2 | 2 | 0 | 1 | 2 | 3 | 3 | 62 | 2 | 2 | 8 | 10 | | | 13 | 74 | 87 | |
| | 15% | 85% | 15% | 85% | | | 5% | 95% | 20% | 80% | 50% | 50% | 0% | 100% | 40% | 60% | 5% | 95% | 50% | 50% | 44% | 56% | | | 15% | 85% | 100% | |
| Severn | 0 | 74 | 7 | 38 | | | 4 | 92 | 3 | 14 | 0 | 2 | 0 | 1 | 0 | 3 | 4 | 99 | 0 | 5 | 3 | 8 | | | 7 | 112 | 119 | |
| | 0% | 100% | 16% | 84% | | | 4% | 96% | 18% | 82% | 0% | 100% | 0% | 100% | 0% | 100% | 4% | 96% | 0% | 100% | 27% | 73% | | | 6% | 94% | 100% | |
| South East Scotland | 1 | 40 | 3 | 16 | 0 | 1 | 2 | 50 | 1 | 3 | 1 | 1 | 0 | 1 | | | 2 | 53 | | | 2 | 3 | | | 4 | 56 | 60 | |
| | 2% | 98% | 16% | 84% | 0% | 100% | 4% | 96% | 25% | 75% | 50% | 50% | 0% | 100% | | | 4% | 96% | | | 40% | 60% | | | 7% | 93% | 100% | |
| South West Peninsula | 6 | 50 | 8 | 34 | 1 | 1 | 6 | 73 | 3 | 5 | 2 | 1 | 0 | 1 | 2 | 3 | 7 | 75 | 3 | 4 | 4 | 5 | | | 14 | 84 | 98 | |
| | 11% | 89% | 19% | 81% | 50% | 50% | 8% | 92% | 38% | 63% | 67% | 33% | 0% | 100% | 40% | 60% | 9% | 92% | 43% | 57% | 44% | 56% | | | 14% | 86% | 100% | |
| Wales | 14 | 61 | 17 | 35 | 0 | 1 | 4 | 74 | 25 | 16 | 2 | 1 | 0 | 1 | 0 | 3 | 3 | 79 | 4 | 5 | 24 | 12 | | | 31 | 96 | 127 | |
| | 19% | 81% | 33% | 67% | 0% | 100% | 5% | 95% | 61% | 39% | 67% | 33% | 0% | 100% | 0% | 100% | 4% | 96% | 44% | 56% | 67% | 33% | | | 24% | 76% | 100% | |
| Wessex | 14 | 78 | 31 | 37 | 0 | 1 | 9 | 75 | 28 | 25 | 5 | 7 | 1 | 1 | 2 | 6 | 5 | 80 | 4 | 8 | 36 | 27 | | | 45 | 115 | 160 | |
| | 15% | 85% | 46% | 54% | 0% | 100% | 11% | 89% | 53% | 47% | 42% | 58% | 50% | 50% | 25% | 75% | 6% | 94% | 33% | 67% | 57% | 43% | | | 28% | 72% | 100% | |
| West Midlands | 37 | 156 | 105 | 128 | 1 | 3 | 9 | 102 | 112 | 147 | 11 | 12 | 1 | 5 | 8 | 15 | 22 | 185 | 10 | 14 | 110 | 85 | | | 142 | 284 | 426 | |
| | 19% | 81% | 45% | 55% | 25% | 75% | 8% | 92% | 43% | 57% | 48% | 52% | 17% | 83% | 35% | 65% | 11% | 89% | 42% | 58% | 56% | 44% | | | 33% | 67% | 100% | |
| West Scotland | 19 | 75 | 43 | 41 | 0 | 1 | 7 | 80 | 46 | 32 | 9 | 1 | 0 | 2 | | | 5 | 95 | 5 | 4 | 52 | 17 | | | 62 | 116 | 178 | |
| | 20% | 80% | 51% | 49% | 0% | 100% | 8% | 92% | 59% | 41% | 90% | 10% | 0% | 100% | | | 5% | 95% | 56% | 44% | 75% | 25% | | | 35% | 65% | 100% | |
| Yorkshire & The Humber | 43 | 167 | 85 | 110 | 2 | 3 | 10 | 143 | 87 | 105 | 8 | 11 | 1 | 3 | 20 | 12 | 15 | 191 | 2 | 7 | 111 | 79 | | | 128 | 277 | 405 | |
| | 21% | 80% | 44% | 56% | 40% | 60% | 7% | 94% | 45% | 55% | 42% | 58% | 25% | 75% | 63% | 38% | 7% | 93% | 22% | 78% | 58% | 42% | | | 32% | 68% | 100% | |
| TOTAL | 418 | 1701 | 871 | 1064 | 9 | 28 | 139 | 1494 | 844 | 939 | 203 | 131 | 12 | 45 | 82 | 128 | 192 | 2045 | 85 | 103 | 1012 | 617 | | | 1289 | 2765 | 4054 | |
| | 20% | 80% | 45% | 55% | 24% | 76% | 9% | 92% | 47% | 53% | 61% | 39% | 21% | 79% | 39% | 61% | 9% | 91% | 45% | 55% | 62% | 38% | | | 32% | 68% | 100% | |

2. Graphical Representation of Candidate Scores by Deanery, overall, and for first attempts by source of PMQ

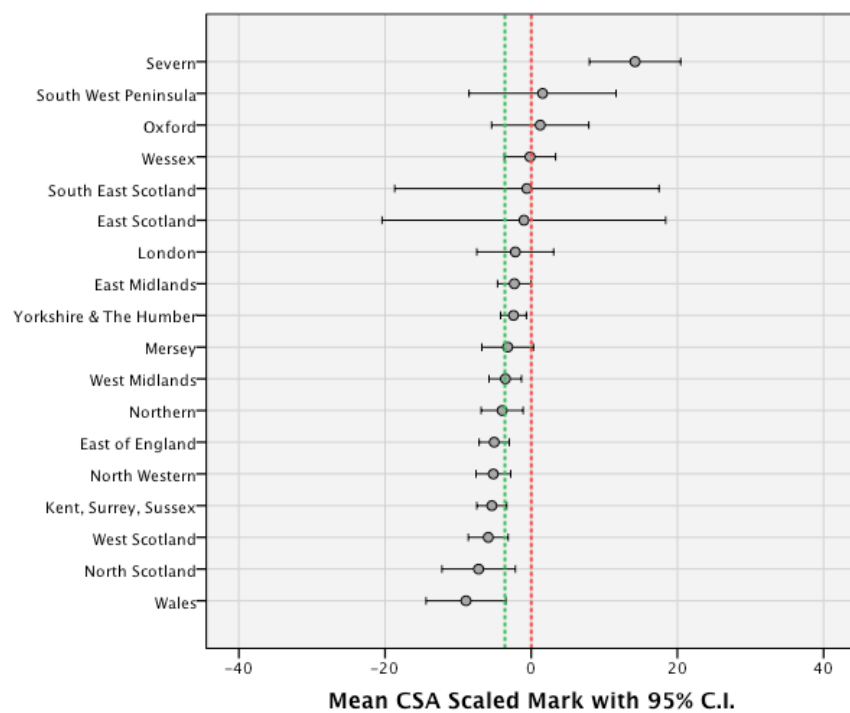
All Graduates, All Attempts



UK Graduates, First Attempt



Non-UK Graduates, First Attempt

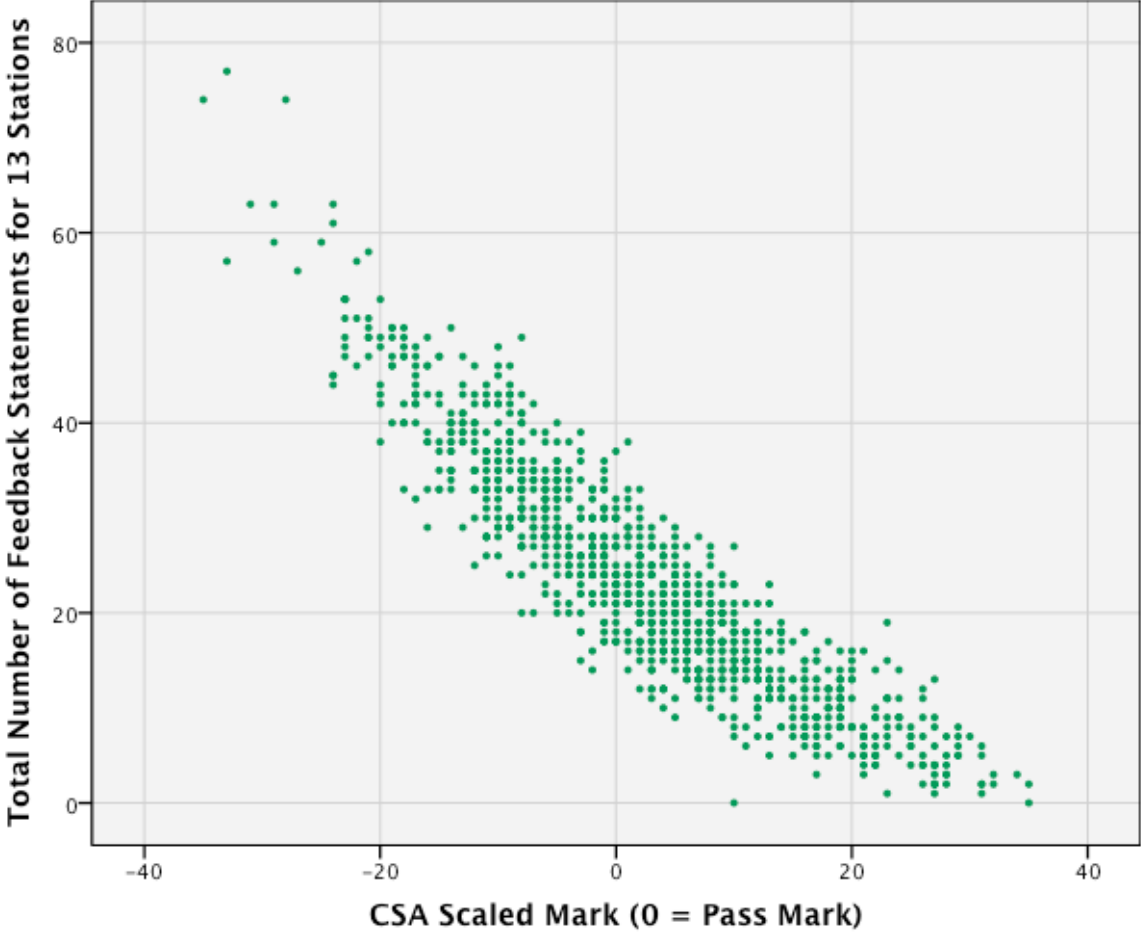


E: Summary of Feedback Statements

The table gives the prevalence of the numbered feedback statements given by examiners to individual candidates' case performances, by the main candidate PMQ groups. Figures represent the percentage of the total of all cases which attracted that feedback comment. These relate to the main two diets of the year (February and May 2013) only, for technical reasons

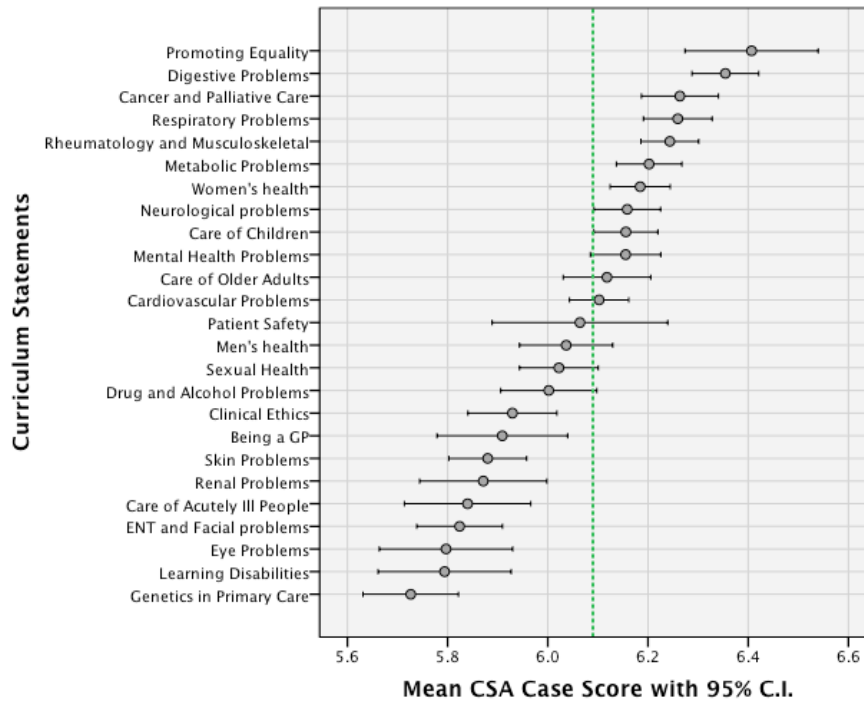
| Feedback Statements in Order of Prevalence | % of Cases |
|---|-------------------|
| UK Graduates (n = 24362 cases) | |
| 07 Does not develop a management plan (including prescribing and referral) reflecting knowledge of current best practice. | 14% |
| 02 Does not recognise the issues or priorities in the consultation (for example, the patient's problem, ethical dilemma etc). | 10% |
| 10 Does not demonstrate an awareness of management of risk or make the patient aware of relative risks of different options | 10% |
| 03 Shows poor time management. | 8% |
| 04 Does not identify abnormal findings or results or fails to recognise their implications. | 8% |
| 15 Does not develop a shared management plan, demonstrating an ability to work in partnership with the patient | 8% |
| 06 Does not make the correct working diagnosis or identify an appropriate range of differential possibilities. | 7% |
| 08 Does not show appropriate use of resources, including aspects of budgetary governance. | 7% |
| 09 Does not make adequate arrangements for follow-up and safety netting | 6% |
| 14 Does not identify or use appropriate psychological or social information to place the problem in context | 6% |
| 01 Disorganised / unstructured consultation. | 5% |
| 13 Poor active listening skills and use of cues. Consulting may appear formulaic (slavishly following a model and/or unresponsive to the patient), and lacks fluency. | 5% |
| 05 Does not undertake physical examination competently, or use instruments proficiently. | 4% |
| 12 Does not appear to develop rapport or show awareness of patient's agenda, health beliefs and preferences. | 4% |
| 16 Does not use language and/or explanations that are relevant and understandable to the patient | 4% |
| 11 Does not attempt to promote good health at opportune times in the consultation | 2% |
| Non-UK Graduates (n = 17745 cases) | |
| 07 Does not develop a management plan (including prescribing and referral) reflecting knowledge of current best practice. | 24% |
| 02 Does not recognise the issues or priorities in the consultation (for example, the patient's problem, ethical dilemma etc). | 19% |
| 15 Does not develop a shared management plan, demonstrating an ability to work in partnership with the patient | 18% |
| 13 Poor active listening skills and use of cues. Consulting may appear formulaic (slavishly following a model and/or unresponsive to the patient), and lacks fluency. | 17% |
| 10 Does not demonstrate an awareness of management of risk or make the patient aware of relative risks of different options | 15% |
| 16 Does not use language and/or explanations that are relevant and understandable to the patient | 15% |
| 01 Disorganised / unstructured consultation. | 13% |
| 03 Shows poor time management. | 13% |
| 04 Does not identify abnormal findings or results or fails to recognise their implications. | 13% |
| 08 Does not show appropriate use of resources, including aspects of budgetary governance. | 13% |
| 12 Does not appear to develop rapport or show awareness of patient's agenda, health beliefs and preferences. | 12% |
| 06 Does not make the correct working diagnosis or identify an appropriate range of differential possibilities. | 11% |
| 14 Does not identify or use appropriate psychological or social information to place the problem in context | 11% |
| 09 Does not make adequate arrangements for follow-up and safety netting | 10% |
| 05 Does not undertake physical examination competently, or use instruments proficiently. | 7% |
| 11 Does not attempt to promote good health at opportune times in the consultation | 3% |
| All Graduates (n = 42107 cases) | |
| 07 Does not develop a management plan (including prescribing and referral) reflecting knowledge of current best practice. | 18% |
| 02 Does not recognise the issues or priorities in the consultation (for example, the patient's problem, ethical dilemma etc). | 14% |
| 15 Does not develop a shared management plan, demonstrating an ability to work in partnership with the patient | 12% |
| 10 Does not demonstrate an awareness of management of risk or make the patient aware of relative risks of different options | 12% |
| 12 Does not appear to develop rapport or show awareness of patient's agenda, health beliefs and preferences. | 10% |
| 13 Poor active listening skills and use of cues. Consulting may appear formulaic (slavishly following a model and/or unresponsive to the patient), and lacks fluency. | 10% |
| 04 Does not identify abnormal findings or results or fails to recognise their implications. | 10% |
| 03 Shows poor time management. | 10% |
| 08 Does not show appropriate use of resources, including aspects of budgetary governance. | 10% |
| 16 Does not use language and/or explanations that are relevant and understandable to the patient | 9% |
| 06 Does not make the correct working diagnosis or identify an appropriate range of differential possibilities. | 9% |
| 01 Disorganised / unstructured consultation. | 8% |
| 14 Does not identify or use appropriate psychological or social information to place the problem in context | 8% |
| 09 Does not make adequate arrangements for follow-up and safety netting | 7% |
| 05 Does not undertake physical examination competently, or use instruments proficiently. | 5% |
| 11 Does not attempt to promote good health at opportune times in the consultation | 2% |

Correlation between overall CSA Scaled mark and Number of Feedback Statements
(Example: May 2013)



F: Candidate Performance on Cases by Curriculum Statement (i.e. syllabus area)

Each of the cases assessed in the CSA is linked to a main 'curriculum statement' (or syllabus area) – see the MRCGP curriculum website for further information. Comparative performance by all candidates on the cases by curriculum statement is shown in the chart below. 52,559 candidate-cases are represented (143 = missing).



G: Information on Role Players: demographics overall and by day

Overall for the Year as a Whole

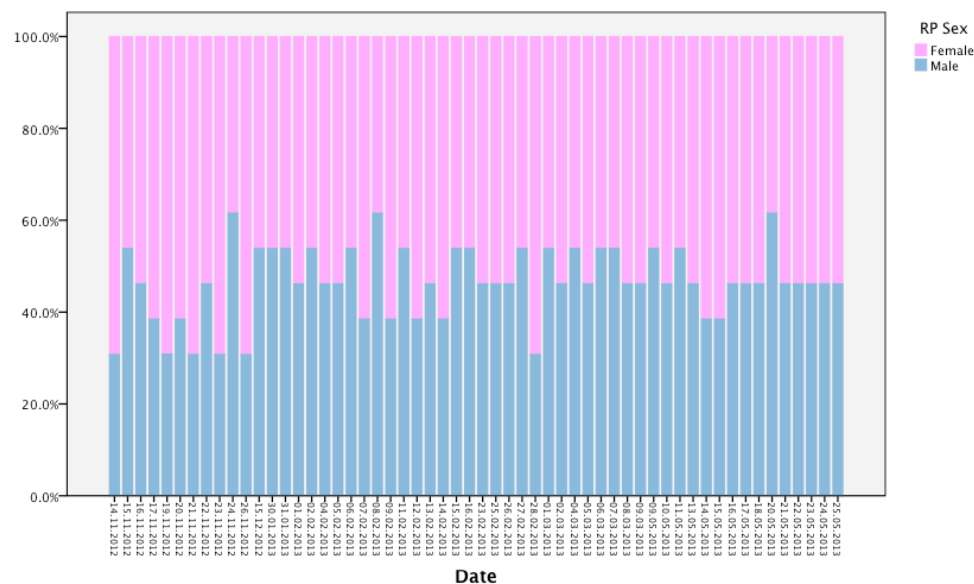
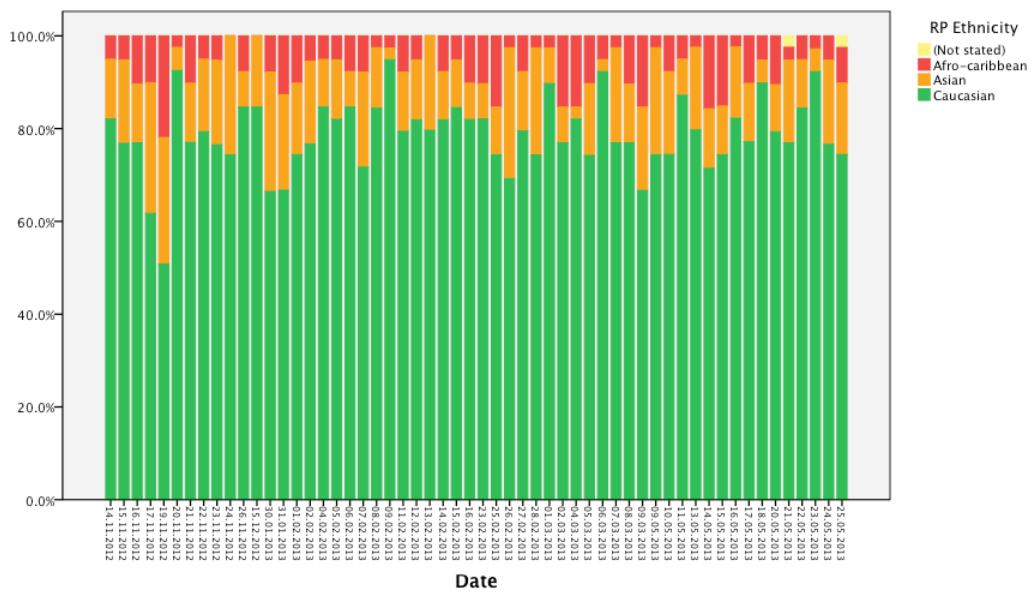
RolePlayer Ethnicity

| | Frequency | Percent |
|----------------|-----------|---------|
| (Not stated) | 46 | .1 |
| Afro-caribbean | 3822 | 7.3 |
| Asian | 7437 | 14.1 |
| Caucasian | 41398 | 78.5 |
| Total | 52703 | 100.0 |

RolePlayer Sex

| | Frequency | Percent |
|--------|-----------|---------|
| Female | 28178 | 53.5 |
| Male | 24525 | 46.5 |
| Total | 52703 | 100.0 |

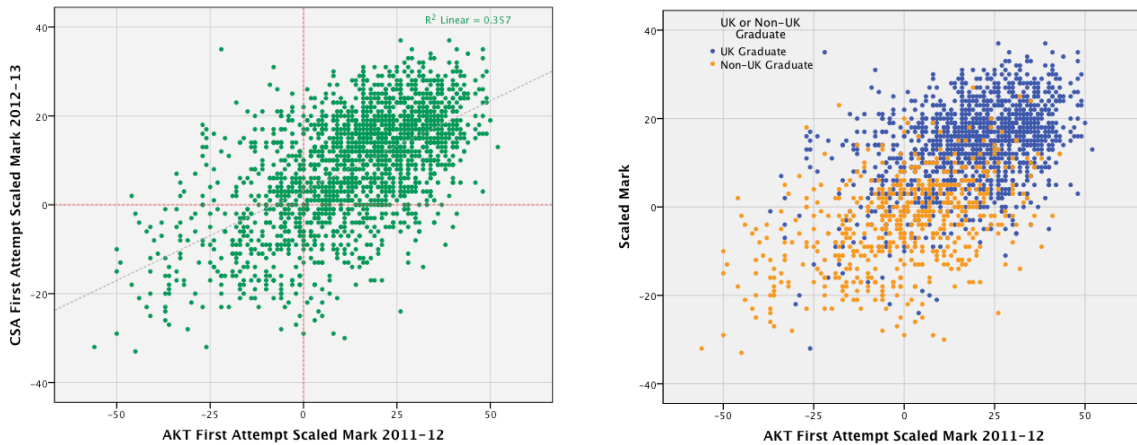
By Day of the CSA



5: Inter-component Statistics and Analytical Statistics of Test Quality

Inter-component Statistics

Currently it is only possible to make comparisons between the performance of candidates between the AKT and the CSA, as the Workplace-Based Assessment data are not readily accessible for comparative analysis. Even this comparison is not straightforward: until 2010, candidates were able to take the AKT at any time in their training, and the CSA at any time in their final year; thus one candidate might take both tests at about the same time in their training, another might take them nearly two years apart; and of course candidates can have more than one attempt at either test. The rules have now changed such that most candidates make their first attempt at the AKT in ST2 and at the CSA in the middle of ST3.



The accompanying green scatterplot is the most recent analysis from these datasets showing the relationship between the AKT and CSA scores of 1860 candidates taking each component for the first time, the AKT in 2011-12 and the CSA in 2012-2013. The blue/orange version contrasts UK and non-UK graduates' performance.

The correlation between this sample's AKT scores and the CSA scores is 0.60, suggesting 36% of 'shared variance' between the two assessments. This level of correlation indicates a highly significant relationship between the two assessments (in terms of individual candidates' performance) but also that, although there is not unexpected overlap, the two tests are measuring substantially different skills or constructs.

Test Quality Information: AKT

Coefficient alpha (and the measurement error estimate, SEM) of the three diets of the AKT is straightforwardly calculated. Occasionally, underperforming items need to be removed from the calculated scores. Current and recent quality statistics appear in the table below. These psychometric quality indicators continue to describe a multi-choice assessment which is performing to an excellent standard.

| AKT Diet | No of Items removed | Alpha Coefficient | SEm |
|----------------|---------------------|-------------------|-------|
| 2011: October | 0 | 0.91 | 2.8 % |
| 2012: February | 0 | 0.89 | 2.8 % |
| 2012: April | 1 | 0.92 | 2.9 % |
| 2012: October | 1 | 0.89 | 2.8 % |
| 2013: January | 0 | 0.92 | 2.9 % |
| 2013: May | 0 | 0.90 | 2.9 % |

Test Quality Information: CSA

Estimating and representing the reliability of a clinical test of the form of the CSA is more difficult using classical psychometric test theory. In a multi-choice test such as the AKT, all the candidates have to respond to all the test items, which are exactly the same for everyone (roughly 1000 candidates/diet). The 'items' (stations or cases) in the CSA are only the same for a day at a time (max 78 candidates), and indeed there are different sets of examiners on each of the three circuits—so there is only true comparability for 26 candidates.

This is of course not at all unusual in a high stakes clinical test, where a variety of imperatives conflict—eg item consistency vs test security and fairness. The number taking the CSA moreover varies considerably between diets.

Thus the quality of the CSA is monitored both qualitatively and quantitatively, the latter at a number of levels of detail with different objectives—but with reliability and fairness always foremost in mind. Reliability (eg an alpha coefficient) is explored with reference to both days and circuits, towards case, palette and examiner monitoring and development. Daily alpha coefficients—probably something which it is fair to assess, combining circuits across examiners—give a reasonable indication of reliability, but they are also very dependent on the variance in candidate ability. And analyses show that the range and variance in ability of candidate groups varies greatly day on day, despite cessation of complete reliance on self-selection of examination dates by candidates: here, ability can be estimated not just from a rather self-fulfilling analysis of CSA performance, but by looking at predictive surrogates (eg degree origin) and correlates (eg AKT performance). Finally, the alpha coefficient is estimated on the basis of scores which have relatively limited variance (0-9 on a case), tending to minimise the values. As a result, the test measurement error, indicated by the standard error of measurement, may be a more appropriate overall indicator of quality.

That all said, current and recent quality statistics appear in the table below.

| Year | No of Cases (stations) in CSA | Alpha: range across days | Average alpha across days | SEm: range across days | Average SEm across days |
|-------------|-------------------------------|--------------------------|---------------------------|------------------------|-------------------------|
| 2008 | 12 | n/a | 0.70 | n/c | n/c |
| 2009 | 12 | n/a | 0.72 | n/c | n/c |
| 2010 | 13 | 0.56 - 0.85 | 0.73 | n/c | n/c |
| 2010 - 2011 | 13 | 0.64 - 0.86 | 0.77 | 5.1 % - 5.4 % | 5.2 % |
| 2011 - 2012 | 13 | 0.64 - 0.86 | 0.77 | 4.5 % - 5.6 % | 5.1 % |
| 2012 - 2013 | 13 | 0.64 - 0.87 | 0.78 | 4.3 % - 5.4 % | 5.0 % |

* * *

Annex Which Training Deaneries do the graduates of different UK medical schools go to?
(Calculated from CSA Deanery data)

| UK Medical School | Training Deanery | | | | | | | | | | | | | | | | | | | |
|--------------------------------|------------------------|---------------|-----------------|---------------|----------------------|--------|--------|----------------|---------------|----------|------------------|--------|--------|---------------------|----------------------|-------|--------|---------------|---------------|------------------------|
| | Armed Forces (Defence) | East Midlands | East of England | East Scotland | Kent, Surrey, Sussex | London | Mersey | North Scotland | North Western | Northern | Northern Ireland | Oxford | Severn | South East Scotland | South West Peninsula | Wales | Wessex | West Midlands | West Scotland | Yorkshire & The Humber |
| Aberdeen | 1 | 1 | 2 | 2 | 1 | 1 | 2 | 17 | 2 | | 3 | | | 11 | 1 | | 1 | | 11 | 1 |
| Belfast | | | | | | | | | 3 | 2 | 50 | | | | 1 | | | 1 | | |
| Birmingham | 1 | 4 | 3 | | 3 | 11 | | | 3 | 1 | | 3 | 3 | | 2 | 4 | 1 | 76 | 1 | 2 |
| Brighton and Sussex | | 1 | 2 | | 10 | 4 | | | | 1 | | 2 | 1 | | | | 1 | 2 | | |
| Bristol | 1 | | 1 | | 4 | 9 | 1 | | | | | 2 | 25 | | 6 | | 3 | 1 | | |
| Cambridge | 1 | 3 | 8 | | 1 | 4 | 1 | | 2 | 2 | | | | | | | | 2 | 1 | 4 |
| Dundee | | | | 13 | | 1 | 1 | 1 | 4 | 1 | 3 | | | 4 | 1 | | | 1 | 8 | 4 |
| Edinburgh | | 2 | 1 | 5 | 2 | 6 | | 1 | 1 | 1 | 1 | 1 | 3 | 20 | 2 | 1 | 1 | | 12 | 2 |
| Glasgow | 2 | 1 | | 2 | 2 | 2 | | 2 | | 3 | 1 | | 2 | 3 | | | 1 | 1 | 49 | 2 |
| Hull York | | | 1 | | 1 | | 1 | | 3 | 2 | | | 2 | | | | | 3 | | 18 |
| Leeds | 1 | 2 | 3 | | 2 | 10 | 5 | | 6 | 2 | 1 | 3 | 1 | | 1 | 1 | | 2 | | 56 |
| Leicester | 1 | 35 | 7 | | 1 | 8 | | | 4 | | | 2 | 4 | 1 | 2 | | 1 | 8 | | 7 |
| Liverpool | 1 | 2 | | 1 | 1 | 3 | 38 | 1 | 16 | 2 | 2 | 1 | 2 | 2 | | 2 | | 4 | 1 | 4 |
| London - Barts and the London | | 2 | 24 | | 11 | 28 | 2 | | 3 | 2 | | 2 | 3 | | 3 | 1 | 6 | 7 | | 2 |
| London - Imperial College | | 5 | 6 | | 6 | 39 | | | | 1 | | 4 | 6 | | 5 | 3 | 2 | 4 | | 5 |
| London - King's College | 2 | 7 | 9 | | 23 | 40 | 1 | | 2 | 1 | 1 | 7 | 7 | | 6 | 1 | 3 | 4 | 1 | 4 |
| London - St George's | | 2 | 2 | | 17 | 17 | | | 2 | | | 3 | 3 | | 5 | | 4 | 6 | | |
| London - University College | 1 | 2 | 11 | | 14 | 44 | | | 4 | 2 | | 4 | 3 | 1 | 4 | | 3 | 2 | | |
| London (school unknown) | | | | | | 1 | | | | | | | | | | | | | | |
| Manchester | | 2 | 4 | 1 | 3 | 14 | 5 | | 84 | 1 | | 6 | 2 | 4 | 1 | 3 | 1 | 14 | 8 | 16 |
| Newcastle | 1 | 1 | | | 2 | 8 | 2 | | 4 | 61 | 1 | | 1 | 2 | 1 | | 2 | 1 | 1 | 12 |
| Norwich (UEA) | | 1 | 22 | | | 1 | 2 | | 1 | | | 1 | 1 | | | | | 1 | | 1 |
| Nottingham | 4 | 28 | 4 | | 6 | 13 | | 1 | 5 | 2 | | 5 | 6 | 2 | 8 | 1 | 3 | 6 | | 4 |
| Oxford | | 1 | 1 | | | 5 | | | 1 | | | 7 | | | 2 | | 2 | 1 | | 1 |
| Peninsula | 1 | | 1 | | 1 | 2 | | | 2 | | | 2 | 5 | | 15 | 1 | 2 | 1 | | 1 |
| Sheffield | 4 | 6 | 4 | | 3 | 1 | 1 | | 5 | 3 | | 2 | 5 | 1 | 1 | | 3 | 6 | 1 | 37 |
| Southampton | 2 | 3 | 5 | | 5 | 5 | | | | | | 1 | 5 | | 6 | 2 | 31 | 3 | | 1 |
| Wales (incl Cardiff & Swansea) | 2 | 4 | | | 1 | 8 | | | 2 | 1 | | | 7 | | 4 | 57 | 4 | 3 | | 1 |
| Warwick | | 1 | 5 | | 6 | 10 | 1 | 1 | 6 | 2 | | 5 | 2 | | 1 | | 3 | 25 | | 4 |