



nMRCGP: Report of Results 2008

Interim Report showing summary data from the Spring 2008 CSA Assessments,
with additional information on the AKT Assessments of Oct 07, Jan 08 & May 08

INTRODUCTION

These preliminary statistics on the Spring 2008 deliveries of the nMRCGP Clinical Skills Assessment (CSA) have been authorised for release by the RCGP's Assessment Committee (AC). They have been seen by the College's Postgraduate Training Board (PTB) as well as by the AC. The statistics have been compiled principally to provide overview data for the Deaneries. Originally only the CSA data were analysed, but additional data covering the AKT have been included at the College's request (please see the annexed technical notes for relevant comments).

The first full Annual Report on the nMRCGP assessment will be prepared as part of ongoing Quality Assurance reviews in January 2009 when the first year's CSA results are all in. It will summarise AKT, CSA and Workplace-based Assessment (WbA) data. The present statistics are designed to meet the immediate planning requirements of major stakeholders in the system.

Please note: This first report is believed to be comprehensive and accurate. There will be small apparent data inconsistencies between tables, mainly due to candidates with missing data on certain variables. And—see Annex—there may be small differences between these summary statistics and those published on the RCGP website concerning the AKT: the latter are prepared for nMRCGP candidates' information specifically, and thus include only candidates registered for the new qualification

Any apparent major errors should be reported to the compiler at rew5@cam.ac.uk

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1 CSA RESULTS: overall, by attempt
Estimate of pass rate after 2 sittings

			CSA Result		Total
			fail	PASS	
Attempt at CSA	First Go	Count	296	1283	1579
		% within Attempt at CSA	18.7%	81.3%	100.0%
	Second Go	Count	45	79	124
		% within Attempt at CSA	36.3%	63.7%	100.0%
Total		Count	341	1362	1703
		% within Attempt at CSA	20.0%	80.0%	100.0%

Assuming representativeness of the re-sitting candidates to date, the pass rate for the CSA after two attempts given the present passing standard could be expected to be approximately 93%

2 AKT RESULTS: overall, by attempt
Estimate of pass rate after 2 sittings

Note: These data are for ST2 and ST3 candidates only

ST2

			AKT Result on this Occasion		Total
			fail	PASS	
Attempt at AKT	First Go	Count	117	491	608
		% within Attempt at AKT	19.2%	80.8%	100.0%
	Second Go	Count	7	16	23
		% within Attempt at AKT	30.4%	69.6%	100.0%
	Third Go	Count	0	1	1
		% within Attempt at AKT	.0%	100.0%	100.0%
	Fourth Go	Count	0	1	1
		% within Attempt at AKT	.0%	100.0%	100.0%
Total		Count	124	509	633
		% within Attempt at AKT	19.6%	80.4%	100.0%

ST3

			AKT Result on this Occasion		Total
			fail	PASS	
Attempt at AKT	First Go	Count	312	1841	2153
		% within Attempt at AKT	14.5%	85.5%	100.0%
	Second Go	Count	69	136	205
		% within Attempt at AKT	33.7%	66.3%	100.0%
	Third Go	Count	7	18	25
		% within Attempt at AKT	28.0%	72.0%	100.0%
	Fourth Go	Count	0	1	1
		% within Attempt at AKT	.0%	100.0%	100.0%
Total		Count	388	1996	2384
		% within Attempt at AKT	16.3%	83.7%	100.0%

Assuming representativeness of the re-sitting candidates, the pass rate for ST3 candidates sitting the AKT after two attempts is approximately 95%



3 RESULTS by GENDER, PRIMARY MEDICAL QUALIFICATION (classified), ETHNIC GROUP (aggregated)

GENERAL NOTE

Associations between variables—an example of which is given later, and an obvious one being ethnicity and country of medical school—must be borne in mind when interpreting these univariate tables.

AKT

Note: These AKT data are for ST₂ and ST₃ candidates only, including repeats. 71 are missing ethnicity data, 61 are missing their medical school data. Ethnicity data have been re-coded into the numerically major groups.

			AKT Result on this Occasion		Total
			fail	PASS	
Gender	F	Count	216	1483	1699
		% within Gender	12.7%	87.3%	100.0%
	M	Count	296	1022	1318
		% within Gender	22.5%	77.5%	100.0%
Total		Count	512	2505	3017
		% within Gender	17.0%	83.0%	100.0%

			AKT Result on this Occasion		Total
			fail	PASS	
Medical School: UK, EEA, International	UK	Count	174	1703	1877
		% within Medical School: UK, EEA, International	9.3%	90.7%	100.0%
	EEA, other than UK	Count	57	106	163
		% within Medical School: UK, EEA, International	35.0%	65.0%	100.0%
	International, other than EEA	Count	265	651	916
		% within Medical School: UK, EEA, International	28.9%	71.1%	100.0%
Total		Count	496	2460	2956
		% within Medical School: UK, EEA, International	16.8%	83.2%	100.0%

			AKT Result on this Occasion		Total
			fail	PASS	
Ethnicity (recoded)	White	Count	105	1360	1465
		% within Ethnicity (recoded)	7.2%	92.8%	100.0%
	Asian	Count	321	909	1230
		% within Ethnicity (recoded)	26.1%	73.9%	100.0%
	Other Ethnicity	Count	65	186	251
		% within Ethnicity (recoded)	25.9%	74.1%	100.0%
Total		Count	491	2455	2946
		% within Ethnicity (recoded)	16.7%	83.3%	100.0%

CSA

Note: These data are of course for ST₃ candidates; they include repeats. 2 are missing ethnicity data, 14 are missing their medical school data, one has no reported gender.

			CSA Result		Total
			fail	PASS	
Candidate Gender	Female	Count	116	837	953
		% within Candidate Gender	12.2%	87.8%	100.0%
	Male	Count	224	525	749
		% within Candidate Gender	29.9%	70.1%	100.0%
Total	Count	340	1362	1702	
	% within Candidate Gender	20.0%	80.0%	100.0%	

			CSA Result		Total
			fail	PASS	
Candidate's Medical School -- UK, EEA, International	UK	Count	96	1046	1142
		% within Candidate's Medical School -- UK, EEA, International	8.4%	91.6%	100.0%
	Europe (EEA), other than UK	Count	21	54	75
		% within Candidate's Medical School -- UK, EEA, International	28.0%	72.0%	100.0%
	Overseas, not EEA	Count	217	255	472
		% within Candidate's Medical School -- UK, EEA, International	46.0%	54.0%	100.0%
Total	Count	334	1355	1689	
	% within Candidate's Medical School -- UK, EEA, International	19.8%	80.2%	100.0%	

			CSA Result		Total
			fail	PASS	
Candidate Ethnic Group	White	Count	60	833	893
		% within Candidate Ethnic Group	6.7%	93.3%	100.0%
	Asian	Count	238	422	660
		% within Candidate Ethnic Group	36.1%	63.9%	100.0%
	Other/Unknown	Count	42	106	148
		% within Candidate Ethnic Group	28.4%	71.6%	100.0%
Total	Count	340	1361	1701	
	% within Candidate Ethnic Group	20.0%	80.0%	100.0%	

Please remember that there may be complex inter-relationships between background variables. For an interesting example, there is a large difference between the self-reported ethnicity of candidates as between their UK medical school of graduation, see Table below (CSA 1st Attempt, UK graduates):

Reported Ethnicity (classified) by UK Graduate CSA Candidates: 1st Attempt
 (shown as an example of variable inter-relationship)

			Candidate Ethnic Group			Total
			White	Asian	Other/ Unknown	
Candidate's Medical School	UK - Aberdeen	Count	56	6	0	62
		% within Candidate's Medical School	90.3%	9.7%	.0%	100.0%
	UK - Belfast, Queen's University	Count	42	0	0	42
		% within Candidate's Medical School	100.0%	.0%	.0%	100.0%
	UK - Birmingham	Count	30	15	2	47
		% within Candidate's Medical School	63.8%	31.9%	4.3%	100.0%
	UK - Bristol	Count	34	0	0	34
		% within Candidate's Medical School	100.0%	.0%	.0%	100.0%
	UK - Cambridge	Count	11	3	1	15
		% within Candidate's Medical School	73.3%	20.0%	6.7%	100.0%
	UK - Cardiff (incl. U of Wales, WNSM)	Count	35	12	1	48
		% within Candidate's Medical School	72.9%	25.0%	2.1%	100.0%
	UK - Dundee (incl. St Andrews)	Count	34	4	1	39
		% within Candidate's Medical School	87.2%	10.3%	2.6%	100.0%
	UK - Edinburgh	Count	43	0	4	47
		% within Candidate's Medical School	91.5%	.0%	8.5%	100.0%
	UK - Glasgow	Count	75	14	1	90
		% within Candidate's Medical School	83.3%	15.6%	1.1%	100.0%
	UK - Leeds	Count	31	9	1	41
		% within Candidate's Medical School	75.6%	22.0%	2.4%	100.0%
	UK - Leicester	Count	29	11	1	41
		% within Candidate's Medical School	70.7%	26.8%	2.4%	100.0%
	UK - Liverpool	Count	36	11	4	51
		% within Candidate's Medical School	70.6%	21.6%	7.8%	100.0%
	UK - London Barts & London (Q Mary)	Count	31	14	5	50
		% within Candidate's Medical School	62.0%	28.0%	10.0%	100.0%
	UK - London Imperial College	Count	27	19	4	50
		% within Candidate's Medical School	54.0%	38.0%	8.0%	100.0%
	UK - London King's College (incl. Guys, St T, UMDS)	Count	26	41	7	74
		% within Candidate's Medical School	35.1%	55.4%	9.5%	100.0%
	UK - London St George's	Count	25	12	4	41
		% within Candidate's Medical School	61.0%	29.3%	9.8%	100.0%
	UK - Manchester	Count	62	26	14	102
		% within Candidate's Medical School	60.8%	25.5%	13.7%	100.0%
	UK - Newcastle (incl. Durham)	Count	21	2	2	25
		% within Candidate's Medical School	84.0%	8.0%	8.0%	100.0%
	UK - Nottingham	Count	35	6	2	43
		% within Candidate's Medical School	81.4%	14.0%	4.7%	100.0%
	UK - Oxford	Count	9	2	1	12
		% within Candidate's Medical School	75.0%	16.7%	8.3%	100.0%
	UK - Royal Free & University College London	Count	42	20	8	70
		% within Candidate's Medical School	60.0%	28.6%	11.4%	100.0%
	UK - Sheffield	Count	32	6	4	42
		% within Candidate's Medical School	76.2%	14.3%	9.5%	100.0%
	UK - Southampton	Count	30	7	1	38
		% within Candidate's Medical School	78.9%	18.4%	2.6%	100.0%
Total		Count	796	240	68	1104
		% within Candidate's Medical School	72.1%	21.7%	6.2%	100.0%



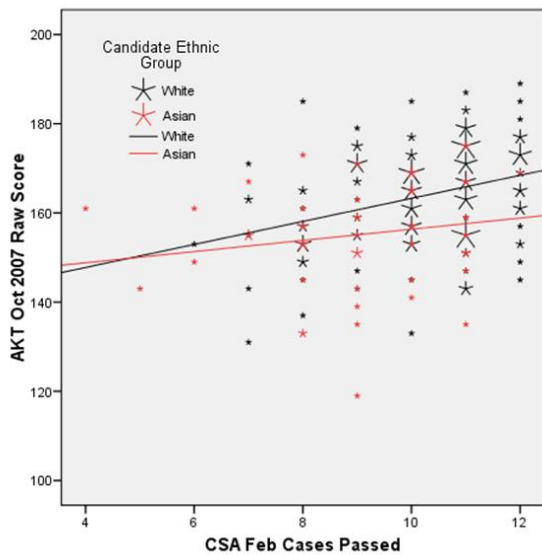
4 SOME PRELIMINARY QA EQUALITY AND DIVERSITY INDICATORS

A variety of analyses are underway to examine “equality and diversity” aspects of the assessments—ie their fairness across groups of takers. An example of these follows.

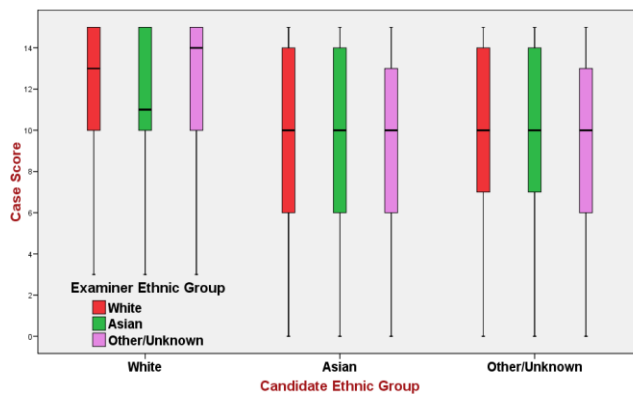
It will have been noted that there are differences in the performance of the two major identifiable ethnic sub-groups of UK graduate candidates in the CSA: 93% for white candidates vs 64% for Asian candidates ($p < .001$). Although this is not totally surprising in the light of current literature and reported experience in higher education (HE), this finding might suggest that the examiners could be being unfairly biased in the face-to-face situation.

Three initial analyses were undertaken to explore the matter:

- The AKT data for the same groups were examined. They showed a similar pattern: white candidates had a 93% pass rate as compared with the pass rate for Asian candidates’ of 74% (difference: $p < .001$)
- The inter-relationship between AKT and CSA scores was further examined to see if the trends in each were similar. The scatterplot shows one combination of such data (AKT Oct 07 and CSA Feb 08; UK graduates; Asian and White candidates only) with fit lines inserted. The relationship between AKT scores and CSA scores is similar for the two groups.



- The “transactional ethnicity combination” of candidates and examiners was examined in the CSA, to see if any biases were apparent as between the major possible ethnic pairings. Based on all cases seen, the nine major possible combinations are shown in the boxplot (based on an arbitrary computed score for each case). Whilst the variations between performance of the three candidate groups is apparent, no significant differences appear as between the three groups of examiners’ grades within each group, and the indication is that no unfair discrimination has been identified.



5 CSA & AKT RESULTS by DEANERY & MEDICAL SCHOOL/COUNTRY OF GRADUATION

These tables show the data for ST3 candidates only who are taking the relevant examination for the first time. Medical Schools, countries and deaneries are as recorded/classified in the College's Integra database. Note that, for clarity, the last table compares the major groups of UK medical graduates and international medical graduates, leaving out the relatively small number of EEA graduates.

The number of graduates from each medical school is variable and sometimes low. The use of caution in interpreting the differences is therefore counselled, and reference might usefully be made to past published data on the "old" MRCGP examination.

a) Results by Training Deanery

TRAINING DEANERY	AKT ST3 first go			CSA first go		
	Fail	Pass	N	Fail	Pass	N
Armed Forces (Defence)	13.3%	86.7%	30	5.6%	94.4%	18
East Midlands	15.8%	84.2%	76	13.0%	87.0%	46
East of England	22.9%	77.1%	153	25.2%	74.8%	103
East Scotland	7.7%	92.3%	26	14.3%	85.7%	28
Kent, Surrey, Sussex	16.4%	83.6%	214	20.0%	80.0%	115
London	12.6%	87.4%	262	13.3%	86.7%	180
Mersey	13.5%	86.5%	96	15.5%	84.5%	58
North Scotland	7.5%	92.5%	53	8.5%	91.5%	47
North Western	20.2%	79.8%	173	23.9%	76.1%	159
Northern	26.6%	73.4%	64	21.6%	78.4%	37
Northern Ireland	3.4%	96.6%	59	5.8%	94.2%	52
Oxford	15.3%	84.7%	72	23.3%	76.7%	60
Severn	7.1%	92.9%	98	9.2%	90.8%	65
South East Scotland	8.2%	91.8%	73	14.9%	85.1%	67
South West Peninsula	4.9%	95.1%	41	26.7%	73.3%	15
South Yorkshire & South Humber	9.1%	90.9%	33	18.2%	81.8%	22
Unknown	27.9%	72.1%	43	28.6%	71.4%	7
Wales	7.9%	92.1%	114	31.5%	68.5%	111
Wessex	10.8%	89.2%	111	9.8%	90.2%	82
West Midlands	18.7%	81.3%	171	23.7%	76.3%	139
West Scotland	10.9%	89.1%	129	22.5%	77.5%	120
Yorkshire	19.4%	80.6%	62	14.6%	85.4%	48

b) Results by UK Medical School of graduation or foreign country of graduation

MEDICAL SCHOOL: UK	AKT ST3 first go			CSA first go		
	Fail	Pass	N	Fail	Pass	N
Aberdeen	5.6%	94.4%	71	8.1%	91.9%	62
Belfast, Queen's University	2.0%	98.0%	49	7.1%	92.9%	42
Birmingham	3.2%	96.8%	62	4.3%	95.7%	47
Bristol	0.0%	100.0%	45	5.9%	94.1%	34
Cambridge	0.0%	100.0%	21	13.3%	86.7%	15
Cardiff (incl. U of Wales, WNSM)	5.5%	94.5%	55	16.7%	83.3%	48
Dundee (incl. St Andrews)	4.9%	95.1%	41	7.7%	92.3%	39
Edinburgh	3.6%	96.4%	55	0.0%	100.0%	47
Glasgow	9.5%	90.5%	95	7.8%	92.2%	90
Leeds	3.3%	96.7%	61	7.3%	92.7%	41
Leicester	5.7%	94.3%	53	9.8%	90.2%	41
Liverpool	15.9%	84.1%	63	13.7%	86.3%	51
London Barts & London (Q Mary)	12.9%	87.1%	70	8.0%	92.0%	50
London Imperial College	6.2%	93.8%	65	2.0%	98.0%	50
London King's College (incl. Guys, St T, UMDS)	7.8%	92.2%	116	6.8%	93.2%	74
London St George's	6.6%	93.4%	61	9.8%	90.2%	41
Manchester	14.8%	85.2%	122	8.8%	91.2%	102
Newcastle (incl. Durham)	3.2%	96.8%	31	8.0%	92.0%	25
Nottingham	5.2%	94.8%	58	4.7%	95.3%	43
Oxford	11.1%	88.9%	18	0.0%	100.0%	12
Royal Free & University College London	6.8%	93.2%	88	15.7%	84.3%	70
Sheffield	17.4%	82.6%	69	7.1%	92.9%	42
Southampton	6.6%	93.4%	61	2.6%	97.4%	39

MEDICAL SCHOOL: EEA (not UK)	AKT ST3 first go			CSA first go		
	Fail	Pass	N	Fail	Pass	N
Austria	31.3%	68.8%	16	41.7%	58.3%	12
Belgium	100.0%	0.0%	1	100.0%	0.0%	1
Bulgaria	50.0%	50.0%	6	25.0%	75.0%	4
Czech Republic	50.0%	50.0%	14	50.0%	50.0%	6
Denmark	100.0%	0.0%	1			
Estonia	0.0%	100.0%	1	0.0%	100.0%	1
Germany	9.5%	90.5%	21	18.2%	81.8%	11
Greece	0.0%	100.0%	3	0.0%	100.0%	2
Hungary	0.0%	100.0%	1			
Irish Republic	20.7%	79.3%	29	13.6%	86.4%	22
Italy	50.0%	50.0%	2	0.0%	100.0%	1
Latvia	100.0%	0.0%	1			
Netherlands	0.0%	100.0%	2	0.0%	100.0%	1
Poland	0.0%	100.0%	4	50.0%	50.0%	4
Romania	50.0%	50.0%	4	0.0%	100.0%	2
Spain	75.0%	25.0%	4	100.0%	0.0%	2

MEDICAL SCHOOL: IMG	AKT ST3 first go			CSA first go		
	Fail	Pass	N	Fail	Pass	N
Australia & NZ	11.1%	88.9%	9	16.7%	83.3%	6
Bangladesh	25.0%	75.0%	4	33.3%	66.7%	3
Burma	33.3%	66.7%	3	100.0%	0.0%	1
Egypt	33.3%	66.7%	6	0.0%	100.0%	2
Ghana	0.0%	100.0%	1			0
India	23.6%	76.4%	259	51.3%	48.7%	191
Iran	33.3%	66.7%	6	100.0%	0.0%	3
Iraq	60.0%	40.0%	20	42.9%	57.1%	7
Nigeria	21.2%	78.8%	33	55.6%	44.4%	18
Pakistan	36.4%	63.6%	77	47.1%	52.9%	51
Russia & all former USSR	35.3%	64.7%	17	22.2%	77.8%	9
South Africa	6.7%	93.3%	15	27.3%	72.7%	11
Sri Lanka	20.0%	80.0%	10	45.5%	54.5%	11
Syria			0	0.0%	100.0%	1
USA & Canada	0.0%	100.0%	1	100.0%	0.0%	1
West Indies	40.0%	60.0%	10	14.3%	85.7%	7
Zimbabwe	0.0%	100.0%	3	0.0%	100.0%	1
Africa (other)	39.1%	60.9%	23	42.1%	57.9%	19
Americas (other)	50.0%	50.0%	6	0.0%	100.0%	3
Asia & Oceania (other)	27.1%	72.9%	48	47.5%	52.5%	40
Europe (other)	16.7%	83.3%	6	60.0%	40.0%	5
Middle East (other)	33.3%	66.7%	3	0.0%	100.0%	2

c) Results by deanery, separately for UK graduates and international medical graduates

CSA First Time Pass Rate by Deanery: UK Graduates and IMGs separated						
Deanery	CSA Result UK Grads		N	CSA Result IMGs		N
	fail	PASS		fail	PASS	
Armed Forces (Defence)	0.0%	100.0%	16	50.0%	50.0%	2
East Midlands	10.0%	90.0%	30	25.0%	75.0%	12
East of England	11.3%	88.7%	62	44.4%	55.6%	36
East Scotland	11.5%	88.5%	26	50.0%	50.0%	2
Kent, Surrey, Sussex	4.9%	95.1%	81	72.0%	28.0%	25
London	6.7%	93.3%	149	42.3%	57.7%	26
Mersey	6.8%	93.2%	44	40.0%	60.0%	10
North Scotland	0.0%	100.0%	32	22.2%	77.8%	9
North Western	12.9%	87.1%	101	50.0%	50.0%	48
Northern	13.6%	86.4%	22	35.7%	64.3%	14
Northern Ireland	6.1%	93.9%	49			0
Oxford	9.1%	90.9%	44	61.5%	38.5%	13
Severn	3.5%	96.5%	57	57.1%	42.9%	7
South East Scotland	2.1%	97.9%	47	42.1%	57.9%	19
South West Peninsula	25.0%	75.0%	12	33.3%	66.7%	3
South Yorkshire & South Humber	14.3%	85.7%	14	25.0%	75.0%	8
Wales	13.1%	86.9%	61	56.5%	43.5%	46
Wessex	4.9%	95.1%	61	26.7%	73.3%	15
West Midlands	8.7%	91.3%	69	39.1%	60.9%	64
West Scotland	9.7%	90.3%	93	66.7%	33.3%	21
Yorkshire	2.9%	97.1%	35	50.0%	50.0%	12

6 CSA FEEDBACK TO CANDIDATES FROM THE EXAMINERS

This final table shows the prevalence of feedback statements made by examiners about the individual consultations seen. All candidates are included, on whatever attempt. Prevalence about each statement is as a percentage of all cases seen. Candidates are subdivided in the light of major differences found on subsidiary analysis, that is, by medical school group (UK, EEA, IMG).

Candidate Feedback Statements: Overall Prevalence, and by Graduate Group (all candidates: n = 20,436 cases)				
Feedback Statement	All Grads	UK	EEA	IMG
Disorganised and unsystematic in gathering information from history taking, examination and investigation	6.3 %	3.7 %	9.6 %	11.8 %
Does not identify abnormal findings or results or fails to recognise their implications	5.6 %	4.3 %	7.0 %	8.4 %
Data gathering does not appear to be guided by the probabilities of disease	5.4 %	4.0 %	7.7 %	8.5 %
Does not undertake physical examination competently, or use instruments proficiently	2.0 %	1.6 %	3.3 %	2.9 %
Does not make appropriate diagnosis	6.6 %	5.1 %	7.8 %	9.7 %
Does not develop a management plan (including prescribing and referral) that is appropriate and in line with current best practice	12.8 %	9.6 %	14.3 %	20.0 %
Follow-up arrangements and safety netting are inadequate	4.6 %	3.1 %	5.7 %	7.9 %
Does not demonstrate an awareness of management of risk, and health promotion	3.9 %	2.9 %	5.4 %	6.2 %
Does not identify patient's agenda, health beliefs & preferences / does not make use of verbal & non-verbal cues	8.1 %	5.1 %	9.2 %	14.9 %
Does not develop a shared management plan or clarify the roles of doctor and patient	8.1 %	5.2 %	9.6 %	14.4 %
Does not use explanations that are relevant and understandable to the patient	5.2 %	3.1 %	5.3 %	10.3 %
Does not show sensitivity for the patient's feelings in all aspects of the consultation including physical examination	3.5 %	2.2 %	4.6 %	6.4 %
Disorganised / unstructured consultation	4.5 %	2.5 %	6.9 %	8.7 %
Does not recognise the challenge (e.g. the patient's problem, ethical dilemma etc.)	8.7 %	6.3 %	10.7 %	13.8 %
Shows poor time management	3.8 %	2.7 %	5.2 %	6.1 %
Shows inappropriate doctor- centeredness	5.2 %	2.9 %	6.2 %	10.2 %
Number of Cases assessed	20,436	13,752	900	5,664

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