

# CUSTOMIZED ASSESSMENT SERVICES (CAS)

## SAMPLE CUSTOMIZED ASSESSMENT

### GROUP PERFORMANCE REPORT



000000 - Sample Medical School  
Purpose: During Instruction/Training

Date(s): 07/07/2026  
Order ID: OB-00000000-0  
N Examinees: 110

#### Percent Correct Score Descriptive Statistics

- Review the average (mean) percent correct scores and standard deviations (SDs) to understand group performance, help evaluate your curriculum, and identify areas of strength and weakness.
- If score categories other than Total Test are included, note that some categories are more difficult than others, and more questions can provide more precise results. A category must have at least 10 questions to be scored, although scores based on at least 20 questions are usually more reliable.
- **Best practices and tips for interpreting this report:** [Faculty Score Interpretation Guide](#)

ID	Score Category	N Questions	Mean (SD)	Minimum	Maximum	Reliability	Standard Error
1	Total Test	200	70 (10)	52	88	0.92	4
2	Pathology	132	69 (11)	50	86	0.89	5
3	Histology/Cell Biology	74	71 (10)	54	87	0.79	7
4	Physiology	66	70 (11)	52	86	0.77	7
5	Pharmacology	47	72 (11)	55	88	0.69	9
6	Gross Anatomy	42	65 (14)	50	90	0.82	9
7	Microbiology	39	73 (13)	55	89	0.76	9
8	Immunology	35	67 (12)	50	85	0.76	10
9	Gastrointestinal	34	70 (12)	53	85	0.6	10
10	Cardiovascular	34	69 (13)	50	86	0.76	10
11	Embryology	32	69 (12)	52	85	0.52	10
12	Nutrition	32	64 (13)	50	83	0.68	10
13	Endocrine	31	70 (13)	52	89	0.66	11
14	Biochemistry	27	63 (13)	50	82	0.68	11
15	Renal	27	74 (12)	56	90	0.64	11
16	Respiratory	25	66 (14)	50	88	0.69	12

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#### Percent Correct Score Descriptive Statistics (Continued)

ID	Score Category	N Questions	Mean (SD)	Minimum	Maximum	Reliability	Standard Error
17	Social Sciences	22	66 (10)	45	95	0.17	10
18	Epidemiology	20	73 (15)	25	100	0.65	12

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*Note: This sample shows results for 17 out of 110 examinees. Real reports show results for all examinees in the same administration.*

#### Roster of Percent Correct Scores

- Use this table to review individual performance, considering possible differences in difficulty and reliability across score categories.
- If your assessment has more than 15 score categories, individual scores for those categories are provided on subsequent pages.

Examinee ID	Examinee	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
		Total	Patho	Histo	Physi	Pharm	Gross	Micro	Immun	Gastr	Cardi	Embry	Nutri	Endoc	Bioch	Renal
000000001	Sample Examinee 1	67	67	70	56	57	59	55	69	65	66	69	74	76	74	80
000000002	Sample Examinee 2	71	67	71	72	65	54	61	77	84	90	71	75	80	59	65
000000003	Sample Examinee 3	72	69	74	71	58	79	69	68	68	68	75	82	61	64	74
000000004	Sample Examinee 4	75	71	67	76	70	66	74	63	56	68	88	69	65	72	70
000000005	Sample Examinee 5	83	54	71	74	58	64	69	77	70	79	69	66	72	74	70
000000006	Sample Examinee 6	64	62	64	84	73	69	71	69	74	60	81	66	72	69	53
000000007	Sample Examinee 7	60	51	64	72	65	75	74	72	67	67	76	79	73	76	62
000000008	Sample Examinee 8	72	74	77	76	64	59	70	85	80	80	59	81	63	77	76
000000009	Sample Examinee 9	70	79	66	72	69	69	74	72	76	82	72	85	63	66	54
000000010	Sample Examinee 10	69	81	73	70	67	80	78	56	73	70	72	67	70	73	83
000000011	Sample Examinee 11	59	54	78	65	73	63	67	77	58	78	76	70	85	54	78
000000012	Sample Examinee 12	74	69	83	74	69	85	60	59	81	61	69	74	64	72	64
000000013	Sample Examinee 13	74	61	81	70	69	76	61	63	77	72	70	71	57	70	79
000000014	Sample Examinee 14	68	59	65	61	66	65	65	77	80	70	78	82	70	67	68
000000015	Sample Examinee 15	89	65	58	70	65	73	55	64	73	69	60	81	71	65	65
000000016	Sample Examinee 16	61	60	68	61	74	68	74	70	69	68	72	77	74	71	84
000000017	Sample Examinee 17	77	85	66	71	67	69	80	65	76	80	76	69	50	66	79

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#### Roster of Percent Correct Scores (Continued)

Examinee ID	Examinee	16	17	18
		Respi	Socia	Epide
000000001	Sample Examinee 1	70	74	74
000000002	Sample Examinee 2	68	70	63
000000003	Sample Examinee 3	81	79	71
000000004	Sample Examinee 4	61	73	64
000000005	Sample Examinee 5	63	60	61
000000006	Sample Examinee 6	67	59	81
000000007	Sample Examinee 7	68	79	64
000000008	Sample Examinee 8	66	65	79
000000009	Sample Examinee 9	78	75	75
000000010	Sample Examinee 10	65	66	75
000000011	Sample Examinee 11	66	64	75
000000012	Sample Examinee 12	61	73	62
000000013	Sample Examinee 13	82	76	86
000000014	Sample Examinee 14	72	74	77
000000015	Sample Examinee 15	62	71	75
000000016	Sample Examinee 16	79	76	67
000000017	Sample Examinee 17	80	71	78

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#### Total Percent Correct Score Frequency Distribution

- Review this table to better understand the distribution of total scores. The cumulative frequency values represent the total number and percentage of score values that fall at or below a particular value. This can be useful for understanding examinees' relative standing within a score distribution.

Total Score	Frequency		Cumulative Frequency	
	Count	%	Count	%
50	2	2	2	2
52	1	1	3	3
54	1	1	4	4
56	1	1	5	5
57	1	1	6	5
59	4	4	10	9
60	2	2	12	11
61	3	3	15	14
62	2	2	17	15
63	2	2	19	17
64	3	3	22	20
65	4	4	26	24
66	4	4	30	27
67	6	5	36	33
68	4	4	40	36
69	7	6	47	43
70	5	5	52	47
71	15	14	67	61
72	7	6	74	67
73	4	4	78	71
74	7	6	85	77

Total Score	Frequency		Cumulative Frequency	
	Count	%	Count	%
75	6	5	91	83
76	3	3	94	85
77	2	2	96	87
78	2	2	98	89
79	1	1	99	90
80	1	1	100	91
81	2	2	102	93
82	2	2	104	95
83	2	2	106	96
85	1	1	107	97
88	1	1	108	98
89	2	2	110	100

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#### Source Comparisons

- If appropriate, compare the average percent correct scores for examinees from your group to the average from the source—the exam contributing 51% or more of the questions in a score category. At least 10 questions must come from the same source.
- The source average is based on a national group that previously took the source exam. If a score category has multiple sources, this average is only based on questions from the main source as defined above. All questions are used in the computation of your group average, regardless of source.
- The source comparisons may provide helpful information about areas of strength and weakness. However, any conclusions must take into account how your custom exam and the source differ in context, purpose, and mix of content. NBME strongly cautions against using the differences in averages to inform curriculum or instruction without consideration of these factors.

ID	Score Category	N Questions	Source	N Questions from Source	Your Group Average % Correct	Source Average % Correct	Difference in Averages
1	Total Test	200	Step 1	200	70	76	-6
2	Pathology	132	Step 1	132	68	76	-8
3	Histology/Cell Biology	74	Step 1	74	72	77	-5
4	Physiology	66	Step 1	66	71	77	-6
5	Pharmacology	47	Step 1	47	69	72	-3
6	Gross Anatomy	42	Step 1	42	60	77	-17
7	Microbiology	39	Step 1	39	75	76	-1
8	Immunology	35	Step 1	35	64	76	-12
9	Gastrointestinal	34	Step 1	34	67	71	-4
10	Cardiovascular	34	Step 1	34	70	73	-3
11	Embryology	32	Step 1	32	68	68	0
12	Nutrition	32	Step 1	32	62	75	-13
13	Endocrine	31	Step 1	31	69	75	-6
14	Biochemistry	27	Step 1	27	63	73	-10
15	Renal	27	Step 1	27	76	79	-3
16	Respiratory	25	Step 1	25	58	74	-16

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#### Source Comparisons (Continued)

ID	Score Category	N Questions	Source	N Questions from Source	Your Group Average % Correct	Source Average % Correct	Difference in Averages
17	Social Sciences	22	Step 1	22	82	78	4
18	Epidemiology	20	Step 1	20	88	82	6

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*Note: This sample shows results for 5 out of 200 questions. Real reports show results for all questions administered.*

#### Question-Level Feedback

- Use this table to review the performance of examinees from your group on every question, which may indicate specific areas of strength and weakness.
- When reviewing the differences between the percent correct for examinees from your group and for a national group that previously took the source exam, consider differences in the context and purpose of the two exams and how those factors might help explain the differences.
- If there were 40 examinees or more in the current administration, the question discrimination statistics indicate how well questions differentiated between high and low performers in your group.

Question ID	Source	Content Topic	Content Description	Your Group % Correct	Source % Correct	Difference	Question Discrimination
111111	Step 1	Diagnosis: Behavioral health	Eating disorders and impulse control disorders	76	89	-13	0.21
222222	Step 1	Diagnosis: Biostat, Epi, Population Health, Lit Interp	Sensitivity, specificity, predictive values	72	83	-11	0.35
333333	Step 1	Diagnosis: Blood and lymphoreticular system	Anemias: decreased production	58	57	1	0.32
444444	Step 1	Diagnosis: Blood and lymphoreticular system	Neoplasms of blood and lymphatic system	54	60	-6	0.45
555555	Step 1	Diagnosis: Cardiovascular system	Congenital disorders	90	93	-3	0.51