



National Board of Medical Examiners Customized Examination Item Analysis Summary Report

School: 000000 - Generic Medical School**Test Dates:** MM/DD/YYYY to MM/DD/YYYY**Examination Name:** Examination Name**N Examinees:** 100

This report summarizes information provided in the online item analysis (IA) for this customized exam administered to your examinees during the test dates shown above. Mean item difficulty (p-value or "diff" in the online IA) and discrimination (r-value or "disc" in the online IA) for the content areas defined/selected by your school to be reported as subscores on this customized exam are summarized in the table below.

Due to the instability of test statistics for categories with a small number of items, mean item difficulties and discriminations are not provided for categories with fewer than 10 items. Mean item difficulties and discriminations for your school are based on performance of the current group of examinees testing during the dates specified above. Mean item difficulties are also provided based on performance of a Step 1 reference group (first-time takers from LCME-accredited schools). Since statistics based on Step 1 performance were computed when items appeared in examinations administered in different contexts, caution is advised when interpreting these item statistics. Your school results should not be generalized to other cohorts, either within your school or across other schools.

Score Category	Number of Items	Mean Item Difficulty		Mean Item Discrimination
		School	Step 1	School
Total Test	100	.83	.78	.23
Content Area 1	40	.78	.77	.33
Content Area 2	25	.84	.76	.24
Content Area 3	17	.85	.86	.27
Content Area 4	12	.88	.83	.23



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Examination Name: Examination Name

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This report is provided to help you interpret the performance of your examinees testing during the dates shown above on each multiple-choice item included in this customized exam. The first table provides information for all items (total test) included in this customized exam. In the subsequent tables, information is provided for each item included within each content area defined/selected by your school to appear as subscores. For each item listed in the tables below, the Organ System, Step 1 Outline category, a Description, and Vignette type are presented. The item difficulty (p-value or “diff” in the online IA) and discrimination (item-total biserial correlation or “disc” in the online IA) indices based on the group of examinees from your school testing during the dates specified above are also provided. Examinees not taking the exam under standard timing conditions, examinees scoring more than 3 standard deviations below the mean, examinees who omitted more than 10% of the items, and other examinees specified by your school are excluded from this item analysis. Item difficulty based on performance of a Step 1 reference group is provided for gross comparative purposes only. The difference between the local school and the Step 1 item difficulties has also been computed. Since the Step 1 values were computed when items appeared in examinations administered in different contexts, caution is advised when comparing historical item statistics and interpreting differences. Your school results should not be generalized to other cohorts, either within your school or across other schools. To aid in interpretation of the data, summary information listing the total number of items, the mean item difficulties, difference, and discrimination is also provided at the end of each table.

Item Analysis for Total Test Sorted by Item Difficulty (Ascending Order)

Item #	Organ System	Step 1 Outline	Description	Vignette	Item Difficulty (p-value)		Item Discrimination (Biserial Correlation)	
					School	Step 1	School	
						Difference		
79	general principles	01.08.03.02 viral replication	hepatitis B	Experimental vignette	.31	.40	-.09	.20
39	renal/urinary system	09.02.01.02.01 glomerular disorders	lupus erythematosus, systemic	Patient vignette	.31	.57	-.26	.51
75	renal/urinary system	09.02.04.01 renal failure	necrosis, tubular, acute	Patient vignette	.32	.44	-.12	.13
10	general principles	01.07.04.01 antibacterials	Adverse effect, gentamicin	Patient vignette	.37	.46	-.09	.47