

School: 000000 - Generic Medical School  
 Examination Name: Examination Name

Test Dates: MM/DD/YYYY to MM/DD/YYYY  
 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. The table below displays the mean item difficulty (p-value or "diff" in the online IA) and item discrimination ("disc" in the online IA) for the content areas defined/selected by your school to be reported as score categories on this customized exam. Item difficulty indicates the proportion of examinees who correctly answered the item. The values range from 0 to 1.0, where higher values reflect easier items. Item discrimination represents the correlation between item scores and total test scores. This index shows how well items discriminated examinees who obtained high scores from those who obtained low scores. Items with high discriminations are generally more informative about examinees than items with low discrimination. Item discrimination is reported when 40 or more examinees tested. The table below presents the average of these values by score category, including total test, to provide a sense of typical item performance within each category.

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. Your school results should not be generalized to other cohorts, either within your school or across other schools.

Score Category	Number of Items	School Mean Item Difficulty	School Mean Item Discrimination
Total Test	100	.84	.23
Content Area 1	60	.82	.26
Content Area 2	72	.83	.26
Content Area 3	10	.84	.19
Content Area 4	19	.84	.22
Content Area 5	13	.86	.25

# Item Analysis Summary Report

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Test Dates: MM/DD/YYYY to MM/DD/YYYY

Examination Name: Examination Name

N Examinees: 100

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 content area classification, including a description summarizing the general content of the item are presented. The content area classification may include a Physician Task/Competency that appears at the beginning of the item description. Each Physician Task/Competency is listed below in bold and represents:

- Foundation: clinically relevant basic science principles and concepts
- Diagnosis: knowledge pertaining to history, exam, diagnostic studies, and patient outcomes
- Prevention: health maintenance, disease prevention, and surveillance for disease recurrence
- Management: medical or surgical treatment strategies, including pharmacotherapy

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. In this report, item difficulty and item discrimination are presented for each individual item. 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 reference group on the item's corresponding source exam is provided for gross comparative purposes only. The difference between the local school and the source exam item difficulties has also been computed. Since the source exam statistics 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 #	Source Exam	Content Area Classification	Description	Item Difficulty (p-value)			Item Discrimination (Biserial Correlation)
				School	Source	Difference	School
40	Step 1	Diagnosis: Endocrine system: adrenal disorders	Pheochromocytoma	.40	.52	-.12	.30
80	Step 2	Diagnosis: Skin and subcutaneous tissue: papulosquamous and eczematous dermatoses	Psoriasis	.55	.48	.07	.25
15	Step 1	Foundation: General Principles: bacterial structure	Pyelonephritis	.68	.73	-.05	.44
66	Step 3	Foundation: Endocrine system: diabetes mellitus	Diabetes mellitus with hypokalemia	.68	.45	.23	.27