



NBME®

NATIONAL BOARD OF MEDICAL EXAMINERS®

SUBJECT EXAMINATION PROGRAM

Content Area Item Analysis Report

Subject examinations provide institutions with one tool for measuring examinees' understanding of the basic biomedical and clinical sciences. While responsibility for use of NBME® subject examinations lies with the institution, this document provides information to assist institutions in carrying out that responsibility and offers recommendations regarding use of test scores. Test scores should not be used alone, but rather in conjunction with other indications of examinee performance in determination of grades.

A *Content Area Item Analysis* is available for any subject examination with 10 or more examinees. Item analysis data and content area descriptors of the items, when reviewed together, can be helpful in determining the extent to which your examinees have learned the content of individual items.

For each item, the *Content Area Item Analysis* shows:

- the content area classification, including a description summarizing the general content of the item;
- the proportion of your examinees (Schl) who correctly answered the item;
- the projected proportion of examinees nationally (Natl) who correctly answered the item; and
- the difference between the two proportions (Schl - Natl).

Items are listed in ascending order by Schl value: items that were the most difficult for your examinees appear first, followed by items that were increasingly easy. Thus, the *Content Area Item Analysis* provides an item-by-item summary of examinee performance, making it possible to identify areas of high and low achievement. Areas of poorer performance may primarily reflect lack of emphasis in course coverage; this may be useful information for score interpretation.

A *Content Area Item Analysis* is provided solely for faculty use to better understand examinee performance. The written authorization of the NBME must be obtained prior to any other use of the information contained in the analysis.

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National Board of Medical Examiners® Subject Examination Program Content Area Item Analysis Report Comprehensive Clinical Science

000000 - Generic Medical School

Test Date(s): mm/dd/yyyy

This report provides the content area classification for each item on the examination, along with the proportion of the examinees from your institution (Schl) and a projected proportion of examinees nationally (Natl) who answered each item correctly. These proportions (also referred to as p-values) represent the difficulty of the items for the examinees at your institution and for the national group. In addition, differences between the p-values for your examinees and for the national group are shown in the last column (Difference). Items are sorted in ascending order by institution p-value so that the items that were the most difficult for your examinees are listed first.

Reporting Group	Test Purpose	# Examinees	Order ID	# Scored Items	
Medical Students	End-Of-Course/Clerkship	100	A00000	200	
				Total	
				Item Difficulty	
				(p-value)	
				Difference	
				(Schl-Natl)	
Content Area Classification			Schl	Natl	
1	Management: Female reproductive and breast: fertility and infertility		.19	.86	-.67
2	Management: Blood and lymphoreticular system: reactions to blood components		.20	.51	-.31
3	Diagnosis: Respiratory system: pneumoconiosis, fibrosing/restrictive/interstitial disorders		.23	.65	-.42
4	Diagnosis: Cardiovascular system: diseases of the veins		.31	.61	-.30
5	Diagnosis: Multisystem processes and disorders: vitamin deficiencies and/or toxicities		.32	.63	-.31
6	Diagnosis: Nervous system and special senses: disorders of the pupil, iris, extraocular muscles		.34	.61	-.27
7	Foundation: Endocrine system: thyroid disorders		.34	.56	-.22
8	Diagnosis: Skin and subcutaneous tissue: urticaria/erythema/exanthema/purpura		.36	.58	-.22
9	Management: Gastrointestinal system: traumatic and mechanical disorders		.37	.51	-.14
10	Prevention: Renal and urinary system: infectious disorders of the lower tract		.39	.62	-.23
11	Diagnosis: Respiratory system: failure/arrest, pulmonary vascular disorders		.40	.61	-.21
12	Foundation: Gastrointestinal system: traumatic and mechanical disorders		.40	.52	-.12
13	Management: Nervous system and special senses: paroxysmal disorders		.40	.62	-.22
14	Diagnosis: Musculoskeletal system: infectious disorders		.41	.48	-.07
15	Diagnosis: Cardiovascular system: ischemic heart disease		.41	.58	-.17
16	Diagnosis: Gastrointestinal system: disorders of the liver		.41	.62	-.21
17	Diagnosis: Respiratory system: infectious/immune/inflammatory disorders: upper airways		.42	.60	-.18
18	Management: Nervous system and special senses: neoplasms		.43	.57	-.14
19	Diagnosis: Immune System: adverse effects of drugs		.43	.69	-.26
20	Management: Skin and subcutaneous tissue: benign neoplasms		.45	.59	-.14
21	Management: Respiratory system: infectious/immune/inflammatory disorders: upper airways		.46	.60	-.14
22	Prevention: Immune System: HIV/AIDS		.46	.69	-.23
23	Management: Endocrine system: thyroid disorders		.46	.65	-.19