

SUBJECT EXAMINATION PROGRAM
COMPREHENSIVE BASIC SCIENCE EXAMINATION (CBSE)
ITEM ANALYSIS REPORT



000000 - Generic Medical School
Reporting Group: Medical Students
Purpose: End-Of-Course/Clerkship
N Scored Items: 195

Test Date(s): mm/dd/yyyy
Order ID: A00000
N Examinees: 100

NBME® Subject Examinations provide institutions with one tool for measuring examinees' understanding of the basic biomedical and clinical sciences. While responsibility for use of Subject Examinations lies with the institution, this report provides item analysis results to assist in carrying out that responsibility.

Using item-level results:

- An item-by-item summary of performance is provided to help identify specific areas of strength and weakness for your students, and to help determine the extent to which they have learned the content of individual items.
- Content area classifications may include a Physician Task/Competency that appears at the beginning of the item description, including:
 - o FOUNDATION: Clinically relevant basic science principles and concepts
 - o DIAGNOSIS: Knowledge pertaining to history, exam, diagnostic studies, and patient outcomes
 - o PREVENTION: Health maintenance, disease prevention, and surveillance for disease recurrence
 - o MANAGEMENT: Medical or surgical treatment strategies, including pharmacotherapy
- Keep in mind that lower achievement may be due to lack of understanding or lack of emphasis in course coverage.

Additional resources:

- More information about all Subject Examinations, including content outlines and answers to frequently asked questions, is available at <https://www.nbme.org/assessment-products/assess-learn>.

The Item Analysis Report is provided solely for faculty use to better understand examinee performance. The written authorization of NBME must be obtained prior to any other use of the information contained in this report.

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The following pages provide the United States Medical Licensing Examination® (USMLE®) Step 1 content description for each scored item on this Subject Examination, along with the percentage of examinees from your institution (School) and a projected percentage of Step 1 examinees nationally (National) who answered each item correctly. These percentages represent the difficulty of the items for the examinees at your institution and for the national comparison group. In addition, differences between the percentages for your examinees and for the national comparison group are shown in the last column. Items are sorted alphabetically by content description and in ascending order by item difficulty (% Answering Correctly) for your institution.

Content Description	% Answering Correctly		Difference (Schl-Natl)
	School	National	
1) Diagnosis: Behavioral health: factitious disorders	26%	53%	-27%
2) Diagnosis: Behavioral health: mood disorders	78%	92%	-14%
3) Diagnosis: Behavioral health: personality disorders	89%	90%	-1%
4) Diagnosis: Behavioral health: psychotic disorders	84%	94%	-10%
5) Diagnosis: Behavioral health: somatoform disorders	59%	86%	-27%
6) Diagnosis: Blood and lymphoreticular system: anemias: disorders of hemoglobin, heme, or membrane	65%	89%	-24%
7) Diagnosis: Blood and lymphoreticular system: neoplasms of blood and lymphatic system	44%	83%	-39%
8) Diagnosis: Cardiovascular system: congenital disorders	87%	87%	0%
9) Diagnosis: Cardiovascular system: diseases of the myocardium	66%	79%	-13%
10) Diagnosis: Cardiovascular system: diseases of the veins	44%	71%	-27%
11) Diagnosis: Cardiovascular system: dysrhythmias	58%	63%	-5%
12) Diagnosis: Endocrine system: diabetes mellitus	59%	85%	-26%
13) Diagnosis: Endocrine system: thyroid disorders	66%	83%	-17%
14) Diagnosis: Female and transgender reproductive system and breast: infectious/immune/inflammatory disorders	88%	94%	-6%
15) Diagnosis: Female and transgender reproductive system and breast: malignant and precancerous neoplasms	52%	40%	12%
16) Diagnosis: Female and transgender reproductive system and breast: malignant and precancerous neoplasms	59%	87%	-28%
17) Diagnosis: Female and transgender reproductive system and breast: menstrual and endocrine disorders	53%	78%	-25%
18) Diagnosis: Gastrointestinal system: benign neoplasms	21%	49%	-28%
19) Diagnosis: Gastrointestinal system: disorders of the rectum and anus	54%	80%	-26%
20) Diagnosis: Gastrointestinal system: Immunologic and inflammatory disorders	41%	77%	-36%

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Content Description	% Answering Correctly		Difference (Schl-Natl)
	School	National	
21) Diagnosis: General Principles: adolescence: normal physical changes	35%	57%	-22%
22) Diagnosis: General Principles: adulthood: normal physical changes	68%	77%	-9%
23) Diagnosis: Immune System: deficiency of phagocytic and NK cells	89%	91%	-2%
24) Diagnosis: Immune System: deficiency primarily of cell-mediated immunity	64%	50%	14%
25) Diagnosis: Male and transgender reproductive system: infectious disorders	71%	86%	-15%
26) Diagnosis: Male and transgender reproductive system: neoplasms	32%	81%	-49%
27) Diagnosis: Multisystem processes and disorders: fungal infections	75%	56%	19%
28) Diagnosis: Multisystem processes and disorders: genetic: intra/extracellular transport receptors	33%	79%	-46%
29) Diagnosis: Multisystem processes and disorders: radiation	51%	78%	-27%
30) Diagnosis: Multisystem processes and disorders: venomous bites and stings	87%	79%	8%
31) Diagnosis: Multisystem processes and disorders: vitamin deficiencies and/or toxicities	32%	45%	-13%
32) Diagnosis: Multisystem processes and disorders: vitamin deficiencies and/or toxicities	66%	86%	-20%
33) Diagnosis: Musculoskeletal system: degenerative/metabolic disorders: joints	62%	85%	-23%
34) Diagnosis: Musculoskeletal system: infectious disorders	56%	82%	-26%
35) Diagnosis: Musculoskeletal system: traumatic and mechanical disorders	60%	56%	4%
36) Diagnosis: Musculoskeletal system: traumatic and mechanical disorders	82%	79%	3%
37) Diagnosis: Nervous system and special senses: peripheral nerve/plexus injury and disorders	57%	78%	-21%
38) Diagnosis: Nervous system and special senses: traumatic and mechanical disorders	53%	69%	-16%
39) Diagnosis: Pregnancy, childbirth, and the puerperium: disorders of the newborn	58%	66%	-8%
40) Diagnosis: Pregnancy, childbirth, and the puerperium: puerperium, including complications	70%	70%	0%
41) Diagnosis: Renal and urinary system: congenital disorders	76%	82%	-6%
42) Diagnosis: Renal and urinary system: immune/inflammatory: tubular interstitial disease	70%	83%	-13%
43) Diagnosis: Renal and urinary system: malignant neoplasms	82%	92%	-10%
44) Diagnosis: Respiratory system: failure/arrest, pulmonary vascular disorders	54%	77%	-23%
45) Diagnosis: Respiratory system: traumatic/mechanical disorders of lower airways	86%	84%	2%
46) Diagnosis: Skin and subcutaneous tissue: traumatic and mechanical disorders	56%	58%	-2%
47) Foundation: Behavioral health: mood disorders	66%	54%	12%

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	School	National	
48) Foundation: Behavioral health: substance use disorders	53%	92%	-39%
49) Foundation: Behavioral health: substance use disorders	89%	89%	0%
50) Foundation: Biostat, Epi, Population Health, Lit Interp: incidence/prevalence	62%	77%	-15%
51) Foundation: Blood and lymphoreticular system: anemias: decreased production	88%	86%	2%
52) Foundation: Blood and lymphoreticular system: anemias: disorders of hemoglobin, heme, or membrane	42%	62%	-20%
53) Foundation: Blood and lymphoreticular system: anemias: hemolysis	52%	82%	-30%
54) Foundation: Blood and lymphoreticular system: cytopenias	26%	52%	-26%
55) Foundation: Blood and lymphoreticular system: hypercoagulable disorders	67%	87%	-20%
56) Foundation: Blood and lymphoreticular system: immunologic disorders	71%	83%	-12%
57) Foundation: Blood and lymphoreticular system: neoplasms of blood and lymphatic system	35%	77%	-42%
58) Foundation: Blood and lymphoreticular system: neoplasms of blood and lymphatic system	58%	79%	-21%
59) Foundation: Blood and lymphoreticular system: neoplasms of blood and lymphatic system	71%	78%	-7%
60) Foundation: Blood and lymphoreticular system: parasitic infections	80%	86%	-6%
61) Foundation: Cardiovascular system: adverse effects of drugs	73%	80%	-7%
62) Foundation: Cardiovascular system: diseases of the pericardium	58%	86%	-28%
63) Foundation: Cardiovascular system: dyslipidemia	33%	75%	-42%
64) Foundation: Cardiovascular system: dyslipidemia	42%	63%	-21%
65) Foundation: Cardiovascular system: dyslipidemia	48%	62%	-14%
66) Foundation: Cardiovascular system: dysrhythmias	42%	59%	-17%
67) Foundation: Cardiovascular system: heart failure	47%	65%	-18%
68) Foundation: Cardiovascular system: heart failure	54%	88%	-34%
69) Foundation: Cardiovascular system: heart failure	81%	95%	-14%
70) Foundation: Cardiovascular system: hypertension	89%	92%	-3%
71) Foundation: Cardiovascular system: hypotension	66%	83%	-17%
72) Foundation: Cardiovascular system: immunologic and inflammatory disorders	86%	81%	5%
73) Foundation: Cardiovascular system: ischemic heart disease	75%	87%	-12%

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Content Description	% Answering Correctly		Difference (Schl-Natl)
	School	National	
74) Foundation: Cardiovascular system: valvular heart disease	78%	83%	-5%
75) Foundation: Endocrine system: adrenal disorders	90%	83%	7%
76) Foundation: Endocrine system: adverse effects of drugs	35%	37%	-2%
77) Foundation: Endocrine system: congenital disorders	47%	54%	-7%
78) Foundation: Endocrine system: diabetes mellitus	33%	54%	-21%
79) Foundation: Endocrine system: diabetes mellitus	35%	51%	-16%
80) Foundation: Endocrine system: hypoglycemia and islet cell disorders	42%	59%	-17%
81) Foundation: Endocrine system: pituitary disorders	26%	64%	-38%
82) Foundation: Endocrine system: pituitary disorders	55%	66%	-11%
83) Foundation: Endocrine system: pituitary disorders	58%	54%	4%
84) Foundation: Endocrine system: pituitary disorders	74%	90%	-16%
85) Foundation: Female and transgender reproductive system and breast: benign and undefined neoplasms of the breast	34%	77%	-43%
86) Foundation: Female and transgender reproductive system and breast: malignant neoplasms of the breast	16%	42%	-26%
87) Foundation: Gastrointestinal system: adverse effects of drugs	49%	59%	-10%
88) Foundation: Gastrointestinal system: bacterial infections	60%	78%	-18%
89) Foundation: Gastrointestinal system: congenital disorders	43%	65%	-22%
90) Foundation: Gastrointestinal system: disorders of the biliary system	25%	88%	-63%
91) Foundation: Gastrointestinal system: disorders of the esophagus	19%	60%	-41%
92) Foundation: Gastrointestinal system: disorders of the liver	19%	58%	-39%
93) Foundation: Gastrointestinal system: disorders of the liver	40%	56%	-16%
94) Foundation: Gastrointestinal system: disorders of the small intestine, colon	41%	77%	-36%
95) Foundation: Gastrointestinal system: Immunologic and inflammatory disorders	57%	69%	-12%
96) Foundation: Gastrointestinal system: parasitic infections	64%	79%	-15%
97) Foundation: Gastrointestinal system: signs, symptoms, and ill-defined disorders	62%	87%	-25%
98) Foundation: Gastrointestinal system: traumatic and mechanical disorders	73%	87%	-14%
99) Foundation: General Principles: senescence: lifestyle	66%	67%	-1%

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Content Description	% Answering Correctly		Difference (Schl-Natl)
	School	National	
100) Foundation: Immune System: adverse effects of drugs	44%	65%	-21%
101) Foundation: Immune System: HIV/AIDS	48%	84%	-36%
102) Foundation: Immune System: transplantation	54%	87%	-33%
103) Foundation: Male and transgender reproductive system: metabolic and regulatory disorders	27%	51%	-24%
104) Foundation: Male and transgender reproductive system: metabolic and regulatory disorders	74%	85%	-11%
105) Foundation: Multisystem processes and disorders: adverse effects of drugs	40%	47%	-7%
106) Foundation: Multisystem processes and disorders: adverse effects of drugs	57%	72%	-15%
107) Foundation: Multisystem processes and disorders: bacterial infections	70%	88%	-18%
108) Foundation: Multisystem processes and disorders: fluid volume and electrolyte disorders	58%	85%	-27%
109) Foundation: Multisystem processes and disorders: genetic: enzymatic/metabolic	29%	70%	-41%
110) Foundation: Multisystem processes and disorders: genetic: structural protein disorders	40%	73%	-33%
111) Foundation: Multisystem processes and disorders: genetic: triplet repeat/RNA disorders	26%	65%	-39%
112) Foundation: Multisystem processes and disorders: heavy metals	54%	95%	-41%
113) Foundation: Multisystem processes and disorders: immunologic and inflammatory disorders	36%	51%	-15%
114) Foundation: Multisystem processes and disorders: immunologic and inflammatory disorders	62%	83%	-21%
115) Foundation: Multisystem processes and disorders: paraneoplastic syndromes	56%	72%	-16%
116) Foundation: Multisystem processes and disorders: protein-calorie malnutrition	32%	42%	-10%
117) Foundation: Multisystem processes and disorders: signs, symptoms, and ill-defined disorders	41%	55%	-14%
118) Foundation: Multisystem processes and disorders: viral infections	56%	79%	-23%
119) Foundation: Multisystem processes and disorders: vitamin deficiencies and/or toxicities	60%	86%	-26%
120) Foundation: Multisystem processes and disorders: vitamin deficiencies and/or toxicities	70%	87%	-17%
121) Foundation: Musculoskeletal system: adverse effects of drugs	59%	70%	-11%
122) Foundation: Musculoskeletal system: congenital disorders	45%	70%	-25%
123) Foundation: Musculoskeletal system: degenerative/metabolic disorders: bone/cartilage	60%	59%	1%
124) Foundation: Musculoskeletal system: immunologic disorders	35%	59%	-24%
125) Foundation: Musculoskeletal system: inflammatory disorders	31%	55%	-24%
126) Foundation: Musculoskeletal system: neoplasms	58%	82%	-24%

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	School	National	
127) Foundation: Musculoskeletal system: traumatic and mechanical disorders	47%	77%	-30%
128) Foundation: Musculoskeletal system: traumatic and mechanical disorders	67%	72%	-5%
129) Foundation: Nervous system and special senses: adverse effects of drugs	45%	76%	-31%
130) Foundation: Nervous system and special senses: cerebrovascular disease	41%	75%	-34%
131) Foundation: Nervous system and special senses: cerebrovascular disease	55%	67%	-12%
132) Foundation: Nervous system and special senses: cerebrovascular disease	75%	55%	20%
133) Foundation: Nervous system and special senses: cranial nerve injury and disorders	62%	59%	3%
134) Foundation: Nervous system and special senses: infectious disorders	21%	50%	-29%
135) Foundation: Nervous system and special senses: infectious disorders	45%	64%	-19%
136) Foundation: Nervous system and special senses: neoplasms	53%	58%	-5%
137) Foundation: Nervous system and special senses: neurologic pain syndromes	37%	62%	-25%
138) Foundation: Nervous system and special senses: neuromuscular disorders	73%	82%	-9%
139) Foundation: Nervous system and special senses: peripheral nerve/plexus injury and disorders	34%	55%	-21%
140) Foundation: Nervous system and special senses: sleep disorders	46%	85%	-39%
141) Foundation: Nervous system and special senses: traumatic and mechanical disorders	22%	73%	-51%
142) Foundation: Nervous system and special senses: traumatic and mechanical disorders	62%	83%	-21%
143) Foundation: Pregnancy, childbirth, and the puerperium: labor and delivery	22%	47%	-25%
144) Foundation: Pregnancy, childbirth, and the puerperium: obstetric complications	40%	69%	-29%
145) Foundation: Pregnancy, childbirth, and the puerperium: preconception counseling and care	53%	66%	-13%
146) Foundation: Renal and urinary system: adverse effects of drugs	40%	64%	-24%
147) Foundation: Renal and urinary system: immune/inflammatory: glomerular disorders	30%	44%	-14%
148) Foundation: Renal and urinary system: immune/inflammatory: tubular interstitial disease	66%	86%	-20%
149) Foundation: Renal and urinary system: infectious disorders of the upper tract	40%	69%	-29%
150) Foundation: Renal and urinary system: metabolic and regulatory disorders	56%	80%	-24%
151) Foundation: Renal and urinary system: metabolic and regulatory disorders	75%	70%	5%
152) Foundation: Renal and urinary system: traumatic and mechanical disorders	26%	63%	-37%
153) Foundation: Renal and urinary system: traumatic and mechanical disorders	64%	58%	6%

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Content Description	% Answering Correctly		Difference (Schl-Natl)
	School	National	
154) Foundation: Renal and urinary system: traumatic and mechanical disorders	75%	81%	-6%
155) Foundation: Respiratory system: congenital disorders	60%	64%	-4%
156) Foundation: Respiratory system: disorders of the pleura, mediastinum, chest wall	59%	61%	-2%
157) Foundation: Respiratory system: infectious/immune/inflammatory disorders: lower airways	37%	82%	-45%
158) Foundation: Respiratory system: infectious/immune/inflammatory disorders: lower airways	41%	78%	-37%
159) Foundation: Respiratory system: infectious/immune/inflammatory disorders: lower airways	64%	81%	-17%
160) Foundation: Respiratory system: infectious/immune/inflammatory disorders: lower airways	65%	74%	-9%
161) Foundation: Respiratory system: infectious/immune/inflammatory disorders: lower airways	82%	86%	-4%
162) Foundation: Respiratory system: infectious/immune/inflammatory disorders: upper airways	59%	69%	-10%
163) Foundation: Respiratory system: malignant neoplasms of the lower airways and pleura	25%	42%	-17%
164) Foundation: Respiratory system: obstructive airway disease	54%	70%	-16%
165) Foundation: Respiratory system: obstructive airway disease	55%	78%	-23%
166) Foundation: Respiratory system: obstructive airway disease	68%	87%	-19%
167) Foundation: Skin and subcutaneous tissue: disorders of sweat and sebaceous glands	49%	45%	4%
168) Foundation: Skin and subcutaneous tissue: disorders of sweat and sebaceous glands	49%	62%	-13%
169) Foundation: Skin and subcutaneous tissue: malignant neoplasms	41%	80%	-39%
170) Foundation: Skin and subcutaneous tissue: vesiculobullous disorders	44%	77%	-33%
171) Foundation: Skin and subcutaneous tissue: viral infections	48%	85%	-37%
172) Foundation: Skin and subcutaneous tissue: viral infections	53%	82%	-29%
173) Gen Principle: Biostat, Epi, Population Health, Lit Interp: distributions of data	78%	80%	-2%
174) Gen Principle: Biostat, Epi, Population Health, Lit Interp: incidence/prevalence	58%	49%	9%
175) Gen Principle: Biostat, Epi, Population Health, Lit Interp: incidence/prevalence	58%	87%	-29%
176) Gen Principle: Biostat, Epi, Population Health, Lit Interp: interp basic tests of statistical significance	46%	48%	-2%
177) Gen Principle: Biostat, Epi, Population Health, Lit Interp: relative risk	42%	45%	-3%
178) Gen Principle: Biostat, Epi, Population Health, Lit Interp: Research ethics: other issues related to research ethics	84%	73%	11%
179) Gen Principle: Biostat, Epi, Population Health, Lit Interp: sensitivity, specificity, predictive values	63%	62%	1%

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180) Gen Principle: Biostat, Epi, Population Health, Lit Interp: study design: analytical studies: interventional	57%	77%	-20%
181) Gen Principle: Biostat, Epi, Population Health, Lit Interp: study design: methods to handle noncompliance	11%	57%	-46%
182) Gen Principle: Biostat, Epi, Population Health, Lit Interp: study design: methods to handle noncompliance	47%	82%	-35%
183) Gen Principle: Social Sciences: enabling patient behaviors	69%	74%	-5%
184) Gen Principle: Social Sciences: fostering the relationship	57%	62%	-5%
185) Gen Principle: Social Sciences: fostering the relationship	76%	56%	20%
186) Gen Principle: Social Sciences: fostering the relationship	85%	75%	10%
187) Gen Principle: Social Sciences: information gathering	35%	54%	-19%
188) Gen Principle: Social Sciences: information gathering	86%	81%	5%
189) Gen Principle: Social Sciences: information gathering	88%	85%	3%
190) Gen Principle: Social Sciences: information provision	65%	80%	-15%
191) Gen Principle: Social Sciences: information provision	73%	79%	-6%
192) Gen Principle: Social Sciences: information provision	80%	75%	5%
193) Gen Principle: Social Sciences: making decisions	92%	90%	2%
194) Gen Principle: Social Sciences: supporting emotions	84%	89%	-5%
195) Gen Principle: Social Sciences: use of an interpreter or surrogate	90%	83%	7%