

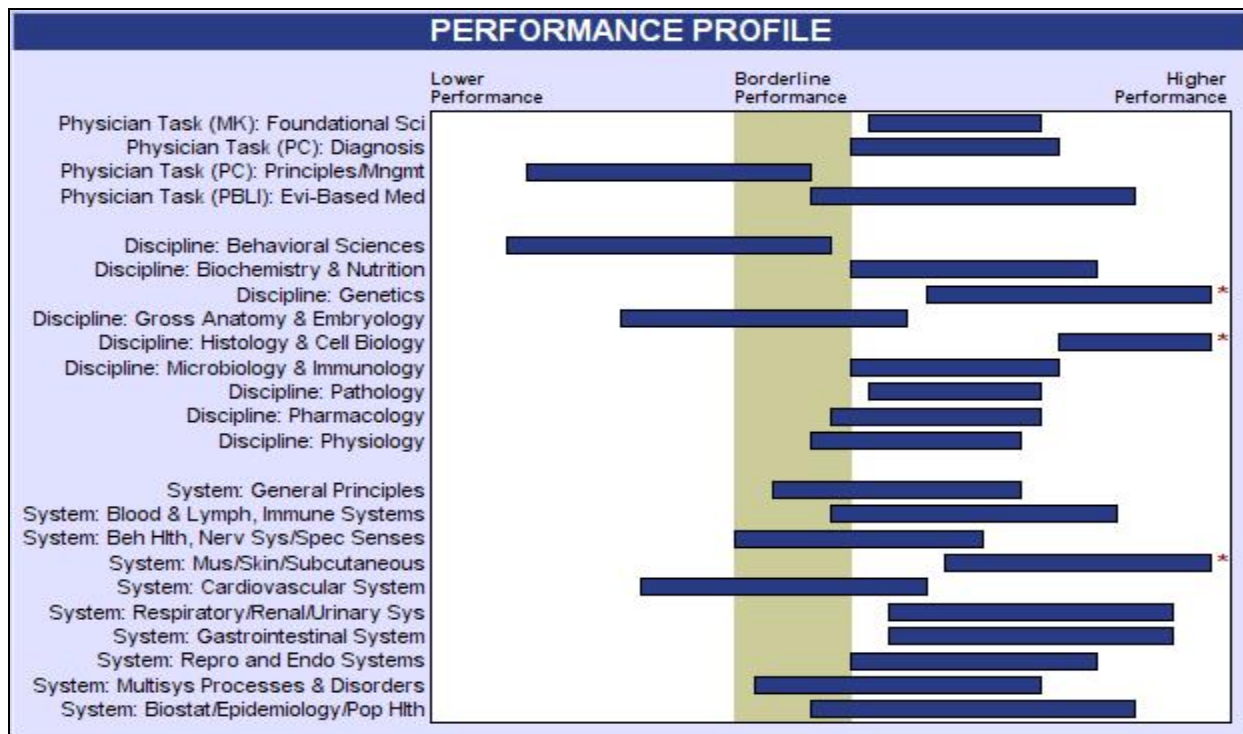
# National Board of Medical Examiners®

## NBME® Comprehensive Basic Science Self-Assessment (CBSSA) Performance Profile

Name:

Test Date: 4/26/2017

Assessment Score: 450



The material presented in this self-assessment is provided by the National Board of Medical Examiners (NBME®) for educational purposes only. The CBSSA is not intended to predict a participant's performance on USMLE®. Rather, the CBSSA is designed to serve as a tool to determine areas of relative strength and weakness in the basic sciences.

The score you received, indicated above in the top right hand corner, ranges from 10 to 800. It is scaled to have a mean of 500 and a standard deviation of 100 in a reference group of USMLE Step 1 first-takers from accredited U.S. medical schools.

The Performance Profile is provided to aid in self-assessment. The shaded region defines a borderline level of performance for each content area. Performance bands indicate areas of relative strength and weakness. Some bands are wider than others. The width of a performance band reflects the precision of measurement: narrower bands indicate greater precision. An asterisk indicates that your performance band extends beyond the displayed portion of the scale. Small differences in the location of bands should not be over-interpreted. If two bands overlap, performance in the associated areas should be interpreted as similar. Because CBSSA is designed to be integrative, many items contribute to more than one content area. Thus, caution should be used when interpreting differences in performance across content areas. While not all content areas are included in every form, overall content coverage is comparable in the various forms of CBSSA.

Additional information concerning the topics covered in each content area can be found in the *USMLE Step 1 Content Description and Sample Test Materials* ([www.usmle.org](http://www.usmle.org)).

**National Board of Medical Examiners®  
Self-Assessment Services**

**Score Interpretation Guide  
NBME® Comprehensive Basic Science Self-Assessment (CBSSA)**

This guide will help you interpret the Assessment Score you received on your CBSSA Performance Profile. While the CBSSA is provided by the NBME for educational purposes only and is not intended to predict performance on Step 1, NBME research demonstrates that under certain circumstances there is a moderate relationship between performance on CBSSA and subsequent Step 1 [\[1\]\[2\]](#).

Step 1 scores are reported on a three-digit scale with a mean ranging from 228 to 229 and a standard deviation of approximately 20. CBSSA scores are scaled to have a mean of 500 and a standard deviation of 100. Both means are based on the performance of USMLE Step 1 first-time examinees from accredited US medical schools. The following information is provided in response to user requests to “translate” the CBSSA score scale to the USMLE score scale. The NBME does not warrant that any individual performance on CBSSA will predict performance on USMLE Step 1 and cautions users of CBSSA against making any predictive inferences.

In the following table, locate your CBSSA score and find the approximate corresponding Step 1 score in the adjacent column. (For example, if your CBSSA score is 390, it approximates a Step 1 three-digit score of 205.)

The level of proficiency required to pass USMLE Step examinations is reviewed periodically and may be adjusted at any time. Visit the USMLE website at [www.usmle.org](http://www.usmle.org) for the most current information about the level of proficiency required to pass Step 1.

On the Performance Profile: MK—Medical Knowledge; PC—Patient Care; PBLI—Practice-based Learning and Improvement.

| <b>CBSSA Score</b> | <b>Approximate<br/>Step 1<br/>Three-Digit Score</b> | <b>CBSSA Score</b> | <b>Approximate<br/>Step 1<br/>Three-Digit Score</b> |
|--------------------|---|--------------------|---|
| 800                | 290   | 400                | 207   |
| 790                | 288   | 390                | 205   |
| 780                | 286   | 380                | 203   |
| 770                | 284   | 370                | 200   |
| 760                | 282   | 360                | 198   |
| 750                | 280   | 350                | 196   |
| 740                | 277   | 340                | 194   |
| 730                | 275   | 330                | 192   |
| 720                | 273   | 320                | 190   |
| 710                | 271   | 310                | 188   |
| 700                | 269   | 300                | 186   |
| 690                | 267   | 290                | 184   |
| 680                | 265   | 280                | 182   |
| 670                | 263   | 270                | 180   |
| 660                | 261   | 260                | 178   |
| 650                | 259   | 250                | 175   |
| 640                | 257   | 240                | 173   |
| 630                | 255   | 230                | 171   |
| 620                | 252   | 220                | 169   |
| 610                | 250   | 210                | 167   |
| 600                | 248   | 200                | 165   |
| 590                | 246   | 190                | 163   |
| 580                | 244   | 180                | 161   |
| 570                | 242   | 170                | 159   |
| 560                | 240   | 160                | 157   |
| 550                | 238   | 150                | 155   |
| 540                | 236   | 140                | 153   |
| 530                | 234   | 130                | 150   |
| 520                | 232   | 120                | 148   |
| 510                | 230   | 110                | 146   |
| 500                | 228   | 100                | 144   |
| 490                | 225   | 90                 | 142   |
| 480                | 223   | 80                 | 140   |
| 470                | 221   | 70                 | 138   |
| 460                | 219   | 60                 | 136   |
| 450                | 217   | 50                 | 134   |
| 440                | 215   | 40                 | 132   |
| 430                | 213   | 30                 | 130   |
| 420                | 211   | 20                 | 128   |
| 410                | 209   | 10                 | < 128   |

November 2016

# National Board of Medical Examiners®



## NBME® Comprehensive Basic Science Self-Assessment (CBSSA)

Name:

Test Date: 4/26/2017

### Performance Profile

|                    | Total Incorrect* | % Marked |
|--------------------|------------------|----------|
| Overall Assessment | 36               | 36%      |

Click on a category to view **incorrect** questions for that category.

| Detailed Analysis by Content                                |                  |                                      |          |
|---|------------------|--------------------------------------|----------|
|   | Total Incorrect* | Average Time per Question in Seconds | % Marked |
| Physician Task (MK): Applying Foundational Science Concepts | 24               | 78.6                                 | 38.9%    |
| Physician Task (PC): Diagnosis                              | 5                | 67.6                                 | 27.9%    |
| Physician Task (PC): Principles of Management               | 4                | 59.5                                 | 33.3%    |
| Physician Task (PBLI): Evidence-based Medicine              | 1                | 75.8                                 | 37.5%    |
| Discipline: Behavioral Sciences                             | 4                | 53.6                                 | 27.8%    |
| Discipline: Biochemistry & Nutrition                        | 5                | 86.9                                 | 42.3%    |
| Discipline: Genetics  | 1                | 76.7                                 | 45.5%    |
| Discipline: Gross Anatomy & Embryology                      | 5                | 94.6                                 | 55%      |
| Discipline: Histology & Cell Biology                        | 2                | 80.8                                 | 52%      |
| Discipline: Microbiology & Immunology                       | 6                | 57.2                                 | 27.8%    |
| Discipline: Pathology                                       | 15               | 72                                   | 34.4%    |
| Discipline: Pharmacology                                    | 9                | 70.2                                 | 33.3%    |
| Discipline: Physiology                                      | 10               | 80.4                                 | 25.9%    |
| System: General Principles                                  | 9                | 73.7                                 | 41.9%    |
| System: Blood & Lymphoreticular and Immune Systems          | 3                | 66.3                                 | 23.5%    |

|   |   |      |       |
|---|---|------|-------|
| <b>System: Behavioral Health &amp; Nervous Systems/Special Senses</b> | 5 | 70.2 | 33.3% |
| <b>System: Musculoskeletal, Skin, &amp; Subcutaneous Tissue</b>       | 2 | 56.5 | 33.3% |
| <b>System: Cardiovascular System</b>                                  | 3 | 88.6 | 50%   |
| <b>System: Respiratory and Renal/Urinary Systems</b>                  | 2 | 90.6 | 27.8% |
| <b>System: Gastrointestinal System</b>                                | 2 | 83.2 | 42.9% |
| <b>System: Reproductive and Endocrine Systems</b>                     | 3 | 74.1 | 34.8% |
| <b>System: Multisystem Processes &amp; Disorders</b>                  | 5 | 76.2 | 35.3% |
| <b>System: Biostatistics &amp; Epidemiology/Population Health</b>     | 1 | 75.8 | 37.5% |

\*Because CBSSA is designed to be integrative, many items contribute to more than one score category.

## National Board of Medical Examiners<sup>®</sup>

### Incorrect Question Example



2. This is a sample of an incorrect question review. A question having an incorrect answer will appear as it did during the exam, but with a red “X” to the left.

- A) Choice 1
- B) Choice 2
- C) Choice 3
- D) Choice 4
- E) Choice 5

The correct answer is highlighted in yellow. Your answer is indicated by the filled-in circle.

# National Board of Medical Examiners<sup>®</sup>

## NBME<sup>®</sup> Comprehensive Basic Science Self-Assessment (CBSSA)

### Longitudinal Performance Profile History of Performance Across Multiple Completed Tests

Name: \_\_\_\_\_ Report Date: 4/26/2017

| Take | Test Date | Timing   | Assessment Score |
|------|-----------|----------|------------------|
| 1    | 2/1/2017  | Standard | 220              |
| 2    | 4/26/2017 | Standard | 450              |

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The graphical performance profiles are provided to aid in self-assessment and are a compilation of profiles for up to the six most recently completed assessments started on or after November 21, 2016\*. The performance profile graphs provide an indicator of your performance across multiple completed assessments for each content area. The shaded region defines a borderline level of performance for each content area. Performance bands indicate areas of relative strength and weakness. Some bands are wider than others. The width of a performance band reflects the precision of measurement: narrower bands indicate greater precision. A row of asterisks indicate that your performance band extends beyond the displayed portion of the scale. Small differences in the location of bands should not be over-interpreted. If two bands overlap, performance should be interpreted as similar. Because the CBSSA is designed to be integrative, many items contribute to more than one content area. Thus, caution should be used when interpreting differences in performance across content areas. While not all content areas are included in every form, overall content coverage is comparable in the various forms of CBSSA.

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\* CBSSA exams started on or after November 21, 2016 cannot be longitudinally compared against those started before November 21, 2016

# National Board of Medical Examiners®

## NBME® Comprehensive Basic Science Self-Assessment (CBSSA)

### Longitudinal Performance Profile History of Performance Profiles Across Multiple Completed Tests

Name:

Report Date: 4/26/2017

| Performance Profile Bands |                        |
|---------------------------|------------------------|
| L                         | Lower Performance      |
| B (shaded area)           | Borderline Performance |
| H                         | Higher Performance     |

