

Rowan Health Systems Science (HSS) 1 Practice Test (Sample)

Study Guide



Everything you need from our exam experts!

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Introduction

Preparing for a certification exam can feel overwhelming, but with the right tools, it becomes an opportunity to build confidence, sharpen your skills, and move one step closer to your goals. At Examzify, we believe that effective exam preparation isn't just about memorization, it's about understanding the material, identifying knowledge gaps, and building the test-taking strategies that lead to success.

This guide was designed to help you do exactly that.

Whether you're preparing for a licensing exam, professional certification, or entry-level qualification, this book offers structured practice to reinforce key concepts. You'll find a wide range of multiple-choice questions, each followed by clear explanations to help you understand not just the right answer, but why it's correct.

The content in this guide is based on real-world exam objectives and aligned with the types of questions and topics commonly found on official tests. It's ideal for learners who want to:

- Practice answering questions under realistic conditions,
- Improve accuracy and speed,
- Review explanations to strengthen weak areas, and
- Approach the exam with greater confidence.

We recommend using this book not as a stand-alone study tool, but alongside other resources like flashcards, textbooks, or hands-on training. For best results, we recommend working through each question, reflecting on the explanation provided, and revisiting the topics that challenge you most.

Remember: successful test preparation isn't about getting every question right the first time, it's about learning from your mistakes and improving over time. Stay focused, trust the process, and know that every page you turn brings you closer to success.

Let's begin.

How to Use This Guide

This guide is designed to help you study more effectively and approach your exam with confidence. Whether you're reviewing for the first time or doing a final refresh, here's how to get the most out of your Examzify study guide:

1. Start with a Diagnostic Review

Skim through the questions to get a sense of what you know and what you need to focus on. Your goal is to identify knowledge gaps early.

2. Study in Short, Focused Sessions

Break your study time into manageable blocks (e.g. 30 - 45 minutes). Review a handful of questions, reflect on the explanations.

3. Learn from the Explanations

After answering a question, always read the explanation, even if you got it right. It reinforces key points, corrects misunderstandings, and teaches subtle distinctions between similar answers.

4. Track Your Progress

Use bookmarks or notes (if reading digitally) to mark difficult questions. Revisit these regularly and track improvements over time.

5. Simulate the Real Exam

Once you're comfortable, try taking a full set of questions without pausing. Set a timer and simulate test-day conditions to build confidence and time management skills.

6. Repeat and Review

Don't just study once, repetition builds retention. Re-attempt questions after a few days and revisit explanations to reinforce learning. Pair this guide with other Examzify tools like flashcards, and digital practice tests to strengthen your preparation across formats.

There's no single right way to study, but consistent, thoughtful effort always wins. Use this guide flexibly, adapt the tips above to fit your pace and learning style. You've got this!

Questions

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- 1. Scenario: If you have a plan with a deductible of \$1,500, a 20% coinsurance after deductible, and you have already met the deductible, what is your coinsurance on a \$2,500 bill?**
 - A. \$50**
 - B. \$1,000**
 - C. \$500**
 - D. \$2,000**

- 2. Which STEEP domain addresses delivery of care in a timely manner?**
 - A. Safe**
 - B. Timely**
 - C. Efficient**
 - D. Patient-centered**

- 3. What is pharmacogenomics?**
 - A. Study of how genetics affects drug response**
 - B. Study of disease prevention**
 - C. Study of pharmacokinetics in liver**
 - D. Study of drug interactions in polypharmacy**

- 4. Choosing Wisely focuses on which type of interventions?**
 - A. High-value interventions**
 - B. Interventions with high cost**
 - C. Low-value or unnecessary interventions**
 - D. Emergency interventions**

- 5. What does Medicare Part B cover?**
 - A. Hospital inpatient care**
 - B. Prescription drugs**
 - C. Outpatient care and physician services**
 - D. Vision services**

- 6. Which statement correctly describes the effect of high specificity on false positives?**
- A. Few false positives**
 - B. Many false positives**
 - C. No effect on false positives**
 - D. Increases false negatives**
- 7. Failing to meaningfully use EHRs has what consequence?**
- A. Reductions in Medicare and Medicaid reimbursements.**
 - B. Increased reimbursements.**
 - C. No impact on funding.**
 - D. Mandated additional penalties.**
- 8. Which statement is true regarding the use of data science in insurance according to the material?**
- A. Risk prediction is a listed use of data science in insurance**
 - B. Insurance data science has no role in fraud detection**
 - C. Data science cannot predict claims**
 - D. Data science replaces underwriters**
- 9. Which technique is used by data science to reduce administrative costs?**
- A. 3D printing**
 - B. NLP (natural language processing)**
 - C. VR simulations**
 - D. Genomic sequencing**
- 10. In the sequence, what comes after posttest probability?**
- A. Treat**
 - B. Re-test**
 - C. Pretest probability**
 - D. Sensitivity analysis**

Answers

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1. C
2. B
3. A
4. C
5. C
6. A
7. A
8. A
9. B
10. A

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Explanations

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1. Scenario: If you have a plan with a deductible of \$1,500, a 20% coinsurance after deductible, and you have already met the deductible, what is your coinsurance on a \$2,500 bill?

- A. \$50
- B. \$1,000
- C. \$500**
- D. \$2,000

The main idea is understanding how coinsurance applies once the deductible is already met. When you've already met the deductible, the remaining bill is shared according to coinsurance. Here, the bill is 2,500 and you pay 20% as coinsurance. 20% of 2,500 equals 500, so your coinsurance amount is 500. The insurer would cover the other 2,000. For context, if the deductible hadn't been met yet, you'd first pay the deductible amount (1,500) and then coinsurance on the remaining balance, which would change your out-of-pocket amount.

2. Which STEEEP domain addresses delivery of care in a timely manner?

- A. Safe
- B. Timely**
- C. Efficient
- D. Patient-centered

Timeliness in health care is about delivering care promptly to meet patient needs and prevent deterioration. In the STEEEP framework, one domain focuses on providing care without unnecessary delays, covering timely access, evaluation, treatment, and discharge. This domain emphasizes reducing wait times and initiating interventions when they'll be most effective, which is exactly what "delivery of care in a timely manner" means. For example, administering antibiotics promptly in sepsis or providing rapid triage and treatment in the emergency department illustrate this focus. Safe is about avoiding harm, Efficient targets resource use and minimizing waste, and Patient-centered concentrates on aligning care with patient preferences and values. While all are important, the one that specifically addresses delivering care promptly is the Timely domain.

3. What is pharmacogenomics?

- A. Study of how genetics affects drug response**
- B. Study of disease prevention
- C. Study of pharmacokinetics in liver
- D. Study of drug interactions in polypharmacy

Pharmacogenomics is the study of how genetic differences influence drug response, including how well a drug works and the risk of adverse effects. It combines pharmacology with genomics to understand why people metabolize, transport, or respond to medications differently, and uses that information to tailor therapy. For example, certain gene variants can slow or speed up drug metabolism or predict immune reactions, affecting dosing decisions or drug choice. The other topics describe disease prevention, organ-specific pharmacokinetics, or drug-drug interactions in polypharmacy, none of which focus on how genetics shapes drug response.

4. Choosing Wisely focuses on which type of interventions?

- A. High-value interventions
- B. Interventions with high cost
- C. Low-value or unnecessary interventions**
- D. Emergency interventions

Choosing Wisely centers on reducing low-value or unnecessary interventions. The idea is to identify tests and treatments that don't meaningfully improve outcomes and may even cause harm, then avoid them to focus on care that truly benefits patients. While high-value interventions are desirable, the campaign specifically targets avoiding wasteful or non-beneficial practices. Cost alone isn't the sole focus—some costly interventions can be appropriate or inappropriate depending on value. Emergency interventions are essential in urgent situations and aren't the target of this initiative.

5. What does Medicare Part B cover?

- A. Hospital inpatient care
- B. Prescription drugs
- C. Outpatient care and physician services**
- D. Vision services

Medicare Part B covers medical services you receive outside of a hospital stay. This includes outpatient care and physician services—think doctor visits, outpatient procedures, lab testing, X-rays, preventive screenings, and therapies like physical or occupational therapy when prescribed. It also helps with certain medications given in a clinical setting and with durable medical equipment used at home, but it doesn't cover most routine prescription drugs (that's Part D) or routine vision care. Inpatient hospital care is covered by Part A, and routine vision services aren't typically covered by Part B. So, the best match is outpatient care and physician services.

6. Which statement correctly describes the effect of high specificity on false positives?

- A. Few false positives**
- B. Many false positives
- C. No effect on false positives
- D. Increases false negatives

High specificity means the test is very good at correctly identifying people who do not have the condition. False positives are the people without the condition who test positive, so when specificity is high, this misclassification is rare. That's why few false positives occur with high specificity. It's not about false negatives—that's governed by sensitivity, not specificity.

7. Failing to meaningfully use EHRs has what consequence?

- A. Reductions in Medicare and Medicaid reimbursements.**
- B. Increased reimbursements.**
- C. No impact on funding.**
- D. Mandated additional penalties.**

Meaningful use means using EHRs in a way that meets government criteria. If that isn't achieved, the policy imposes penalties by reducing Medicare and Medicaid reimbursements. It's about lower payments, not higher ones, and not a complete no-impact scenario or a separate new penalty. So the consequence is reductions in Medicare and Medicaid reimbursements.

8. Which statement is true regarding the use of data science in insurance according to the material?

- A. Risk prediction is a listed use of data science in insurance**
- B. Insurance data science has no role in fraud detection**
- C. Data science cannot predict claims**
- D. Data science replaces underwriters**

Data science in insurance helps quantify and manage risk using predictive models. The statement that risk prediction is a listed use is true because insurers routinely build models to forecast the probability of claims and their costs, which informs pricing, underwriting, and reserving decisions. This predictive capability is a foundational application in how data science is used in the industry. The other options misstate the role: there is a real role for fraud detection with data science; data science can and does predict claims (not unable to); and it doesn't replace underwriters—technology supports and speeds up underwriting, while human judgment remains essential.

9. Which technique is used by data science to reduce administrative costs?

- A. 3D printing**
- B. NLP (natural language processing)**
- C. VR simulations**
- D. Genomic sequencing**

Natural language processing is central to cutting administrative costs because it enables software to understand and extract structured data from unstructured text found in electronic health records, notes, forms, and claims. By turning free-text into searchable, codable data, NLP supports automated coding, billing, scheduling, and patient communications, reducing manual data entry, errors, and processing time. The other options serve different purposes—3D printing creates physical models, VR simulations are for training and simulation, and genomic sequencing generates genetic data—so they don't directly streamline administrative tasks in data-heavy workflows.

10. In the sequence, what comes after posttest probability?

A. Treat

B. Re-test

C. Pretest probability

D. Sensitivity analysis

The key idea is using the test result to update how likely a disease is, and then acting on that updated probability. After you've updated to the posttest probability, the next step in the typical decision path is to act on it by treating if the probability crosses the treatment threshold. In other words, once the likelihood of disease is high enough to warrant therapy based on the test, management proceeds with treatment. If the posttest probability is still low or uncertain, you'd consider additional steps like further testing or observation, rather than jumping straight to treatment. Pretest probability comes earlier in the sequence, and sensitivity analysis is about evaluating test performance or model assumptions, not the immediate clinical decision after a posttest probability.

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Next Steps

Congratulations on reaching the final section of this guide. You've taken a meaningful step toward passing your certification exam and advancing your career.

As you continue preparing, remember that consistent practice, review, and self-reflection are key to success. Make time to revisit difficult topics, simulate exam conditions, and track your progress along the way.

If you need help, have suggestions, or want to share feedback, we'd love to hear from you. Reach out to our team at hello@examzify.com.

Or visit your dedicated course page for more study tools and resources:

<https://rowanhss1.examzify.com>

We wish you the very best on your exam journey. You've got this!

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