

GH – Specialty Exam

Fall 2019

Important Exam Information:

[Exam Registration](#)

Candidates may register online or with an application.

[Order Study Notes](#)

Study notes are part of the required syllabus and are not available electronically but may be purchased through the online store.

[Introductory Study Note](#)

The Introductory Study Note has a complete listing of all study notes as well as errata and other important information.

Case Study

A case study will not be provided for this examination.

[Past Exams](#)

Past Exams from 2000-present are available on SOA website.

[Updates](#)

Candidates should be sure to check the Updates page on the exam home page periodically for additional corrections or notices.

Group and Health – Specialty Exam
Fall 2019

1. Topic: Claims and Disease Management

Learning Objectives

The candidate will understand how to evaluate healthcare intervention programs.

Learning Outcomes

The Candidate will be able to:

- a) Describe, compare and evaluate programs
- b) Estimate savings, utilization rate changes and return on investment
- c) Apply the actuarially adjusted historical control methodology
- d) Calculate chronic and non-chronic trends in a manner that reflects patient risk

Resources

- *Managing and Evaluating Healthcare Intervention Programs*, Duncan, Ian G., 2nd Edition, 2014
 - Ch. 3: Care Management Programs and Interventions
 - Ch. 4: Actuarial Issues in Care Management Evaluations (background only)
 - Ch. 8: Understanding the Economics of Care Management Programs
 - Ch. 9: Applying the Economic Model: The Example of Opportunity Analysis
 - Ch. 10: Measuring Care Management Savings Outcomes (background only)
 - Ch. 11: The Use of Propensity Scoring in Program Evaluation
 - Ch. 12: An Actuarial Method for Evaluating Care Management Outcomes (excluding Appendix 12.2-12.3)
 - Ch. 13: Understanding Patient Risk and Its Impact on Chronic and Non-Chronic Member Trends
- GHS-125-19: Program Management and Evaluation Guide: Core Metrics for Employee Health Management, Ch. 1 & 2

Group and Health – Specialty Exam
Fall 2019

2. Topic: ERM

Learning Objectives

The candidate will understand how to evaluate health insurance organization risk and mitigation strategies.

Learning Outcomes

The Candidate will be able to:

- a) Evaluate an enterprise risk management (ERM) system
- b) Complete a capital needs assessment
- c) Integrate reinsurance arrangements within an overall risk management strategy
- d) Understand how Own Risk Solvency Assessment (ORSA) compares to traditional risk assessment
- e) Apply applicable Actuarial Standards of Practice

Resources

- *Group Insurance, Skwire, 7th Edition, 2016*
 - Ch. 39: Risk-Based Capital Formulas
- *Financial Enterprise Risk Management, 2nd Edition, Sweeting, 2011*
 - Ch. 7: Definitions of Risk
 - Ch. 8: Risk Identification
 - Ch. 18: Economic Capital
- GHS-116-19: NAIC Own Risk and Solvency Assessment (ORSA) Guidance Manual, NAIC, Dec 2017 (excluding Appendix)
- GHS-117-16: Ch. 18 of *Life & Health and Annuity Reinsurance, 4th Edition*
- GHS-121-18: Enterprise Risk Management, Ratings Direct
- GHS-122-18: Why are Many Coops Failing
- GHS-123-18: Enterprise Risk Management: Parts One, Two and Three
- GHS-126-19: Assuris for Group Insurance in Canada
- GHS-127-19: The Risks of Pricing New Insurance Products: The Case of Long-Term Care
- GHS-128-19: RBC Calculation Examples
- [ASOP 23: Data Quality](#) (excluding Appendices)
- [ASOP 41: Actuarial Communications](#) (excluding Appendices)
- [ASOP 46: Risk Evaluation in Enterprise Risk Management](#), (pp. 1-14, excluding Appendices)
- [ASOP 47: Risk Treatment in Enterprise Risk Management](#) (excluding Appendices)
- [Understanding ORSA Before Implementing It](#), Risk Management, Aug 2012

Group and Health – Specialty Exam
Fall 2019

| |
|---|
| 3. Topic: Risk Adjustment |
| Learning Objectives |
| The candidate will understand how to apply risk adjustment in actuarial work. |
| Learning Outcomes |
| The Candidate will be able to: <ul style="list-style-type: none">a) Describe and compare risk adjustments based on commonly used clinical data and grouping methodsb) Apply risk adjustment to underwriting, pricing, claims and care management situationsc) Apply applicable Actuarial Standards of Practice |
| Resources |
| <ul style="list-style-type: none">• <i>Healthcare Risk Adjustment and Predictive Modeling</i>, Duncan, I., 2nd Edition, 2018<ul style="list-style-type: none">○ Ch. 4: Clinical Identification Algorithms○ Ch. 5: Grouper Models○ Ch. 6: Development and Construction of DRGs, DCGs, and ETGs○ Ch. 13: Medicaid Risk Adjustment○ Ch. 14: Risk Adjustment in Medicare○ Ch. 21: Risk Adjustment on the ACA Exchanges○ Ch. 22: Intro to Risk Adj: Accountable Care Organization (sections 22.1-22.5 only)• GHS-119-17: The HHS-HCC Risk Adjustment Model for Individual and Small Group Markets under the Affordable Care Act (pp. E1-E26, excluding Exhibits 1, 2, 5, 6, 8, 9 and text describing those exhibits)• GHS-120-17: HHS-Operated Risk Adjustment Methodology Meeting Discussion Paper, Ch. 4 (pp.35-69, excluding section 4.2.4)• ASOP 12: Risk Classification (excluding Appendices)• ASOP 45: The Use of Health Status Based Risk Adjustment Methodologies (excluding Appendices) |