

GH – Risk Mitigation Exam

Spring 2024/Fall 2024

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.

Syllabus Readings

Readings listed in this syllabus may include study notes, online readings and textbooks. Candidates are responsible for all readings in their entirety, including sections such as Appendices, unless it is stated otherwise in the syllabus.

[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 to the current syllabus.

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1. Topic: Employee Benefit Strategy
Learning Objectives
The candidate will understand how to evaluate and recommend an employee benefit strategy.
Learning Outcomes
The Candidate will be able to: a) Describe structure of employee benefit plans and products offered and the rationale for offering these structures b) Recommend an employee benefit strategy in light of an employer’s objectives
Resources
<ul style="list-style-type: none">• GHRM-101-23: Health Plan Payroll Contribution Strategies and Development for Employers• GHRM-102-23: Recommend an Employee Benefits Strategy• GHRM-103-24: Ch. 7 (sections 7.1-7.3, 7.5-7.7) of <i>Canadian Handbook of Flexible Benefits</i>, McKay, 3rd Edition, 2007• GHRM-115-24: Ch. 2 & Ch. 24 of <i>The Handbook of Employee Benefits</i>, Rosenbloom, 7th Edition, 2011• Consumers to the Rescue? A Primer on HDHPs and HSAs, Health Watch, Feb 2019• A Practical Guide to Private Exchanges, Health Watch, May 2015

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2. Topic: Provider Reimbursement

Learning Objectives

The candidate will understand how to evaluate the effectiveness of different provider reimbursement methods from both a cost and quality point of view.

Learning Outcomes

The Candidate will be able to:

- a) Calculate provider payments under various reimbursement methods
- b) Evaluate standard contracting methods from a cost-effective & quality perspective
- c) Understand contracts between providers and insurers
- d) Understand accountable care organizations and medical patient home models and their impact on quality, utilization and costs

Resources

- *Healthcare Risk Adjustment and Predictive Modeling*, Duncan, Ian G., 2nd Edition, 2018
 - Ch. 22: Intro to Risk Adj: Accountable Care Organization
- GHRM-104-23: Evaluating Bundled Payment Contracting
- GHRM-105-23: Avoiding Unintended Consequences in ACO Payment Model
- GHRM-106-23: Episode-Based Physician Profiling: A Guide to the Perplexing
- GHRM-107-23: Physician Cost Profiling – Reliability and Risk of Misclassification
- GHRM-109-23: The Application of Tiering in Healthcare
- GHRM-114-23: Chapter 45 of *Group Insurance*, Skwire, Daniel, 8th Edition, 2021
- [Provider Payment Arrangements, Provider Risk, and Their Relationship with Cost of Healthcare](#), Oct 2015 (excluding Appendices)
- [Value-Based Care Framework](#), The Actuary, Apr 2020
- [The Cost of Value-Based Care](#), The Actuary, Apr 2020

3. 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. 8: Understanding the Economics of Care Management Programs
 - Ch. 9: Applying the Economic Model: The Example of Opportunity Analysis
 - 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
 - Ch. 16: Testing Actuarial Methods for Evaluating Disease Management Savings Outcomes (excluding Appendices)
- GHRM-110-23: End-of-Life Outcomes with or without Early Palliative Care: A Propensity Score Matched, Population-Base Cancer Cohort Study
- GHRM-111-23: Early Intervention of Palliative Care in the Emergency Department During the COVID-19 Pandemic
- [Valuation of Care Management Vendors](#), Health Watch, May 2020

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4. 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: a) Apply risk adjustment to underwriting, pricing, claims and care management situations b) Apply applicable Actuarial Standards of Practice
Resources
<ul style="list-style-type: none">• <i>Healthcare Risk Adjustment and Predictive Modeling</i>, Duncan, Ian G., 2nd Edition, 2018<ul style="list-style-type: none">○ Ch. 13: Medicaid Risk Adjustment○ Ch. 14: Risk Adjustment in Medicare (excluding Appendix 14.1 & 14.2)○ Ch. 21: Risk Adjustment on the ACA Exchanges• GHRM-112-23: HHS-Operated Risk Adjustment Methodology Meeting Discussion Paper, Ch. 4 (pp. 35-69, excluding section 4.2.4)• Creating Stability in Unstable Times – A Look at Risk Adjustment and Market Stabilization, The Actuary, Dec 2017• Changing with the Times: The Past and the Future of ACA Risk Adjustment, Health Watch, Jun 2020• Risk Adjustment in State Medicaid Programs, Health Watch, Jan 2008• Restoring the Indifference Ideal: If It's Not Adjusting for "Risk," It's Not "Risk Adjustment", Health Watch, Jun 2022• ASOP 23: Data Quality (excluding Appendices)• ASOP 41: Actuarial Communications (excluding Appendices)• ASOP 45: The Use of Health Status Based Risk Adjustment Methodologies (excluding Appendices)