

Fundamentals of Health Care Financial Management

S E C O N D E D I T I O N



A Practical Guide
to Fiscal Issues and Activities

STEVEN BERGER



FUNDAMENTALS OF HEALTH CARE FINANCIAL MANAGEMENT

A Practical Guide to Financial
Issues and Activities

SECOND EDITION

Steven Berger



Jossey-Bass Publishers
San Francisco

Published by

 **JOSSEY-BASS**
A Wiley Company
989 Market Street
San Francisco, CA 94103-1741

www.josseybass.com

Copyright © 2002 by Steven Berger.

Jossey-Bass is a registered trademark of John Wiley & Sons, Inc.

No part of this publication may be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, scanning, or otherwise, except as permitted under Sections 107 or 108 of the 1976 United States Copyright Act, without either the prior written permission of the Publisher or authorization through payment of the appropriate per-copy fee to the Copyright Clearance Center, 222 Rosewood Drive, Danvers, MA 01923, (978) 750-8400, fax (978) 750-4744. Requests to the Publisher for permission should be addressed to the Permissions Department, John Wiley & Sons, Inc., 605 Third Avenue, New York, NY 10158-0012, (212) 850-6011, fax (212) 850-6008, e-mail: permreq@wiley.com.

This publication is designed to provide accurate and authoritative information in regard to the subject matter covered. It is sold with the understanding that the publisher is not engaged in rendering professional services. If professional advice or other expert assistance is required, the services of a competent professional person should be sought.

Jossey-Bass books and products are available through most bookstores. To contact Jossey-Bass directly, call (888) 378-2537, fax to (800) 605-2665, or visit our website at www.josseybass.com.

Substantial discounts on bulk quantities of Jossey-Bass books are available to corporations, professional associations, and other organizations. For details and discount information, contact the special sales department at Jossey-Bass.

We at Jossey-Bass strive to use the most environmentally sensitive paper stocks available to us. Our publications are printed on acid-free recycled stock whenever possible, and our paper always meets or exceeds minimum GPO and EPA requirements.

Library of Congress Cataloging-in-Publication Data

Berger, Steven H.

Fundamentals of health care financial management : a practical guide to fiscal issues and activities / Steven Berger. — 2nd ed.

p. cm. — (The Jossey-Bass health series)

Previously published under the title: Fundamentals of healthcare financial management : a systematic approach to fiscal issues and activities.

Includes bibliographical references and index.

ISBN 0-7879-5980-4

1. Health facilities—Business management. 2. Health facilities—Finance. I. Berger, Steven H. Fundamentals of healthcare financial management. II. Title.

RA971.3 .B465 2002

362.1'068'1—dc21

2001038582

SECOND EDITION

HB Printing 10 9 8 7 6 5 4 3 2 1

PREFACE

Starting right now, we are embarking on a journey into the interesting and compelling world of the health care financial manager. Though not on the front line of the patient's care, the health care financial manager needs to be involved in or apprised of all decisions related to operating or planning the facility. Because of this, the financial manager develops a unique understanding of the business of health care.

Whether in a hospital, a skilled nursing facility, a physician office, a home health agency, a psychiatric facility, or any of the other operations doing business in this industry, the basic concepts are essentially the same. Health care and how it is financed have several characteristics unique to this industry alone:

- The health insurance system separates the consumer from the buying decision. Because of this, the consumer seldom has to make a rational choice in the amount or level of product consumption. This is the number one reason the cost of health care is so high in the United States.
- The health care system is pluralistic, a mixture of government and non-government providers and payors.
- The payment system is very technical and complex. Every payor has its own set of benefits, and often they are not spelled out clearly. The consumer (patient) may believe she has a certain set of benefits, but when she finally needs care she may find out that she is in fact not covered for a particular

- set of illnesses or therapies. This often puts the provider in the difficult situation of denying or postponing care until these coverage issues are settled.
- Ultimately, health care is personal. It affects everyone. No other industry encounters the intensity of emotion engendered in health care. The patient, whose illness may lead to death (or in the case of maternity care, life) is always at personal risk. So, too, are the loved ones who congregate around the patient and the provider, often with great anxiety and trepidation.

This, then, is why health care, and how it is financed, is so important. Knowing this helps to explain why the role of the finance manager takes on great importance within the industry. The financial manager is responsible for financial reporting and the budget, both of which summarize financial results of the organization, actual and projected. These summaries are a direct reflection of the decisions made before the fiscal year begins and day to day as the year moves along. The astute financial manager, who needs to learn as much as possible about every aspect of the organization's operation, is often in a better position than any other manager to assess the operation in an objective and nonpartisan manner.

At the same time, the health care financial manager needs to learn, understand, and absorb myriad rules, regulations, policies, and procedures that reflect the highly unique world of American health care practices and its finances. This book is dedicated to the proposition that you the reader can learn much about the unique financial underpinnings of your industry. There is so much to know and so little time. The challenge is how to make these complex ideas presentable in a basic text.

Imagine, if you will, an industry in which the billing rules for only one of its many payors, Medicare, are forty-five thousand pages long. Then imagine that in 1997, Medicare's enforcement division claimed that a billing mistake constitutes fraud, not an honest error.

Or imagine an industry in which the largest group of nongovernmental payors, known as health maintenance organizations (HMOs) or preferred provider organizations (PPOs), together commonly referred to as managed care, creates incentives for its contracted providers of care (the hospitals, doctors, and other caregivers) to limit the care given. This is done in the name of saving money for the premium payor, who is usually the employer. Yet these same insurers generally do not offer coverage for screening tests that could either rule out or determine illness that, if caught early, would cost those self-same insurers less money through less intensive treatment.

OK, you get the idea. Crazy policies. Not always in the best interest of the patient. More than likely in the best interest of the insurer. But ask yourself: *When was the last time I reached into my own pocket to pay the full list price for my health care?* Most

probably never. Very few employed, elderly, or poor people in America have. They seldom ask the question, which we will do, “Why does health care cost so much?” The biggest part of the answer is that if one of your loved ones gets sick, you will spare no expense (primarily the insurance company’s money) to make sure he or she gets well. The providers of care in America have therefore built their industry to respond to the needs and desires of the market.

The problem here is what the market desires is in conflict. Because very few patients (customers) pay out of pocket, the patient’s desires are often at odds with the desires of the payors and employers who pay the premiums. Caught in the middle, then, are the providers, attempting to be cost-efficient, produce quality outcomes, and create a high level of patient satisfaction while earning a positive financial return on their investment.

How all this came to happen and how a particular fictional provider contributes to overall industry expenditures is a case study for learning. This book covers the basic health care financial management issues, but from a distinct perspective. You, the reader, get to act like a health care financial manager for the most common financial reporting period, one calendar year. Starting on January 1, you will experience the highs and lows of a health care finance officer as he (in this case, a man) weaves his way through busy times and slow times—mostly busy!—and through the conflicting issues that populate the health care financing landscape.

This particular book is written from the perspective of a finance officer for a hospital. However, many of the other primary industry providers are also profiled because the organization in this case study also operates a hospital-based skilled nursing facility, a home health agency, and a psychiatric unit, and it employs a dozen physicians in office practices.

Finally, this text is not intended as an academic treatise. Rather, it is a practical guide to how an integrated health care finance division operates in this era, day to day. It is an attempt to meld practice with theory. As we go through the year, various concepts are highlighted and highlighted again, just as often really happens. This helps to clarify those issues that are of overriding importance to sound financial management.

November 2001
Libertyville, Illinois

Steven Berger
stevenberger@aol.com
<http://www.healthcareinsightsllc.com>

ACKNOWLEDGMENTS

I would like to thank a number of people for bringing me to the point in my life where the opportunity to write this book coincided with reality. On the professional side, I would like to thank two of the best bosses anyone could possibly be lucky enough to have had—Ken Knieser and Jack Gilbert—for never telling me to stop doing what I thought was right. Thanks also to John Dalton, for encouraging me to become a writer and editor of health care finance material more than ten years ago. Finally, my thanks to Jim Curcuruto, who, more than two decades ago, was the first professional I worked with who took the time to stop what he was doing and give me my first taste of understanding the concepts of health care finance.

I would also like to thank those people with the experience and knowledge to help me improve this book. They took the time and effort to read the entire first-edition manuscript in draft and offer terrific suggestions for refinement and embellishment. They are my good friends, who continue to offer constructive advice, Bob Carlisle and the aforementioned Jack Gilbert and Ken Knieser. The fourth reader of the original book, Mary Grace Wilkus, has subsequently become my business partner. Her insightfulness has helped to make the contents of this book more cogent.

In addition, several people with expertise in some specific areas of health care financial management contributed their time and effort to review those sections and offer insightful comments that helped to improve this book. They are Jane

Bachmann on Medicare step-down advice, Robert Alcaro for contributing his review of the HIPAA section, Julie Micheletti for her astute knowledge of Ambulatory Payment Classifications (APCs), and Keri Wulf for her review of financial statements. I would also like to give special mention to the editor of the first edition of this book, Kristine Rynne, who has helped to guide me through some murky publishing waters.

I continue to thank my former staff at Highland Park Hospital for doing their jobs so well that I felt comfortable taking the time to write a book. My particular thanks to Keri Wulf again; Guy Sanchez; Diana Wright (without whom I would not have been so effective on the job); and my former assistant, Patty Holland, who always kept me heading in the direction I needed to be going.

On the personal side, I am indebted to my family, who made the biggest sacrifice involved in creating this book. The nights and weekends I labored on it often took me away from them. My wife, Barbara, kept the household together, holding a menagerie of active children in a relative state of equilibrium. I am blessed to have four kids who keep me younger in spirit than in body. Ben, Arlie, and Emmalee make me smile all the time. But how would I have ever been able to finish this book without Sam, who looked over my shoulder every day to check my progress and whisper encouragement in my ear, like, "Come on, Dad, what do you mean you only did one page since yesterday? Let's move it, move it, move it!"

ABOUT THE AUTHOR

Steven Berger is president of Healthcare Insights (<http://www.healthcareinsightsllc.com>), which specializes in teaching and consulting on general and financial management issues in health care. In addition, Healthcare Insights has developed dynamic decision support software solutions for the health care industry.

Prior to assuming his role at Healthcare Insights, he was vice president, finance, for seven years at the two hundred and fifty-bed Highland Park Hospital in suburban Chicago. Before that and since 1978, he was a hospital or health system finance officer in New York, New Jersey, and Missouri at diverse organizations including urban and suburban facilities, both academic and nonteaching, ranging in size from one hundred to four hundred beds. He began his career as a Medicare auditor for the Blue Cross Blue Shield Plan of Greater New York and has also worked for a small CPA firm in New York City.

Berger has twenty-six years of health care financial management experience. He holds a bachelor of science degree in history and a master of science in accounting from the State University of New York at Binghamton. He is a certified public accountant (CPA) and a fellow (FHFMA) of the Healthcare Financial Management Association, where he currently serves as immediate past president of the First Illinois chapter. He has recently completed a three-year term on the HFMA's National Board of Examiners. He is also a diplomate of the American College of Healthcare Executives (CHE).

In addition, over the past several years he has presented many health care

finance-related seminars throughout the United States and Canada, including three two-day classes on Fundamentals of Health Care Financial Management (which is the basis for this book); Turning Data into Useful Information (how to effectively collect, analyze, and report financial and clinical data to enhance decision making in health care), which trains both data users and data crunchers in understanding each other's needs and practical ways in which to meet those needs; and Hospital Financial Management for the Nonfinancial Manager, which teaches clinical and operating managers how to use financial tools and techniques to improve the financial results in their own departments. He has also cowritten articles on health care information systems that were published in *Healthcare Financial Management* and a February 2000 commentary in *Modern Healthcare* on the lack of training in the industry.

CONTENTS

Tables, Figures, and Exhibits viii

Preface xiii

Acknowledgments xvii

About the Author xix

1 January 1

What Is Health Care? 3

What Is Management? 6

What Is Financial Management? 7

Why Is Financial Management Important? 8

Ridgeland Heights Medical Center: The Primary Statistics 9

Pro Forma Development 13

Living with the Finance Committee and Board of Directors' Calendar 19

Year-End Closing 24

2 February 28

Accounting Principles and Practices 29

Objectives of Financial Reporting 30

Basic Accounting Concepts 31

Basic Financial Statements of a Health Care Organization 33

Uses of Financial Information 33

	The Financial Statements	35
	Preparing for the Auditors	47
	February Finance Committee Special Reports	51
3	March	55
	Strategic Financial Planning: Five-Year Projections	56
	RHMC Strategic Financial Planning	60
	Ratio Analysis	68
	The Capital Plan and Its Relationship to the Strategic Plan	79
	Capital Affordability	82
4	April	84
	Medicare and Medicaid Net Revenue Concepts	86
	Calculation of Medicare and Medicaid Contractual Adjustments	92
	Implications of the Balanced Budget Act of 1997	100
	Managed Care Net Revenue Concepts	107
	Preparation of the Medicare and Medicaid Cost Report	112
	Presentation of Audited Financial Statements to the Finance Committee	119
	Implications of Management Letter Comments Proposed by the Auditors	119
5	May	121
	Fundamentals of Accounts Receivable Management	122
	Patient Registration: Which Division Should It Report to?	135
	Calculation of Allowance for Doubtful Accounts and Bad-Debt Expense	137
	Calculation of Allowance for Contractual Adjustments	141
6	June	144
	Budget Preparation: The Beginning	145
	Budget Calendar	148
	Volume Issues	153
	Capital Budgeting (June)	157
	Accounting and Finance Department Responsibilities	162
	June Finance Committee Special Agenda Items	166
7	July	169
	Budget Preparation: The Middle Months	170
	Capital Budgeting (July)	186
	Regulatory and Legal Environment	188
	Other Regulatory and Business Compliance Issues	191
	Corporate Compliance	192
	Accreditation Issues	195
	Patient Satisfaction Issues	197

8 August 198

- Capital Budget (August) 199
- Operating Budget 208
- Budget Variance Analysis 211
- Cost Accounting and Analysis 215
- August Finance Committee Special Agenda Items 220

9 September 224

- Operating Budget 225
- Capital Budget (September) 234
- Cash Budget 235
- Physician Practice Management Issues 240

10 October 254

- Information Systems Implications for Health Care Financial Management 255
- Information Technology Strategic Plan Initiatives 258
- HIPAA Implementation Issues 260
- Impact of the Internet 270
- Budget Presentation to the Board Finance Committee 271
- October Finance Committee Special Agenda Items 283

11 November 284

- Preparation of the Budget Results and Delivery to the Department Managers 285
- Budgeting and Spreading Contractual Adjustments by Department 287
- Issues Involving RHMC's Cost Structure 291
- How to Improve the Organization's Cost Structure 296
- Materials Management in Health Care 304
- Benefits of Tax Status to the Health Care Organization 308
- Preparation and Implications of the Annual IRS 990 Report 311

12 December 315

- Getting Ready for Year-End Reporting . . . Again 318
- Open Heart Surgery Pro Forma 318
- December Finance Committee Special Agenda Items 329
- Looking into the Future of Health Care Finance 332

References 351**Index 355**

TABLES, FIGURES, AND EXHIBITS

Tables

- 1.1 Ridgeland Heights Medical Center 2000 Actual and 2001 Budgeted Inpatient Volumes
- 1.2 RHMC 2000 Actual and 2001 Budgeted Outpatient Visits
- 1.3 RHMC Pro Forma of Proposed MRI Service Financial and Volume Assumptions, July 1998
- 1.4 RHMC Proposed MRI Service Pro Forma, Statement of Revenues and Expenses, July 1998
- 1.5 RHMC MRI Service, Annual Statement of Revenues and Expenses, January 2001
- 1.6 RHMC Annual Finance Committee Agenda
- 1.7 RHMC Year-End Accounting Procedures, Dec. 31, 2000
- 2.1 Basic Financial Statements of a Health Care Organization
- 2.2 RHMC Balance Sheet
- 2.3 RHMC Statement of Operations for the Year-to-Date Ending Dec. 31, 1999 and 2000
- 2.4 Comparison of Straight Line and Accelerated Depreciation Methods
- 2.5 RHMC Statement of Changes in Unrestricted Net Assets for the Years-to-Date Ended Dec. 31, 1999 and 2000
- 2.6 RHMC Statement of Cash Flows for the Years-to-Date Ended Dec. 31, 1999 and 2000

- 2.7 RHMC Analysis of Thirty-Year Bond Debt 1988–2000
- 3.1 Current and Projected Payor Mix
- 3.2 RHMC Managed Care Summary of Percentage of Discount for Gross Charges
- 3.3 RHMC Key Hospital Financial Statistics and Ratio Medians as of November 2000
- 3.4 RHMC Analysis of FTEs Per APD Versus Salaries, Wages, and Fringe Benefits as a Percentage of Net Revenues for the Years Ended 1998–2000
- 3.5 RHMC Five-Year Capital Budget
- 4.1 Payor Mix, RHMC Total Compared to National Averages for Hospitals
- 4.2 Medicare’s Payment Methodology Prior to and Subsequent to the 1997 Balanced Budget Act
- 4.3 Summary of APC Types, Aug. 1, 2000
- 4.4 Medicare and Medicaid Cost Report, Major Elements, and Index of Worksheets
- 4.5 RHMC Step-Down Costs for the Twelve Months Ended Dec. 31, 2000
- 5.1 DHHS Office of Inspector General, Fiscal Year 2001 Work Plan, Selected Areas of Review in Billing and Claims Processing
- 5.2 RHMC Balanced Scorecard Measures, Patient Accounting Department
- 5.3 RHMC Detailed Analysis of Allowance for Doubtful Accounts (ADA) for the Month Ended Dec. 31, 2000
- 5.4 RHMC Analysis of ADA, Bad-Debt Expenses, Bad-Debt Write-Offs for the Twelve Months Ended Dec. 31, 2000
- 5.5 RHMC Analysis for Allowance for Contractual Adjustments for the Month Ended Dec. 31, 2000
- 6.1 RHMC 2002 Budget Calendar, Operating Budget
- 6.2 In Which Month Should the Budget Be Presented to the Board of Directors for Approval?
- 6.3 RHMC 2001 Projected and 2002 Budgeted Inpatient Volumes
- 6.4 RHMC 2001 Projected and 2002 Budgeted Outpatient Visits
- 6.5 RHMC 2002 Budget Calendar, Capital Budget
- 7.1 Top-Down or Bottom-Up Budgeting Technique: Pros and Cons
- 7.2 RHMC Revenue and Contractual Analysis, 2001 Projected and 2002 Budget
- 7.3 RHMC Divisional FTE Summary for the Budget Year Ending Dec. 31, 2002
- 7.4 RHMC Fringe Benefit Expenses for the Budget Year Ending Dec. 31, 2002
- 7.5 RHMC Salary and Nonsalary Expense Changes, Summary of Projected Price Increase for the Budget Year Ending Dec. 31, 2002
- 7.6 RHMC Preliminary Budgeted Statement of Operations for the Budget Year to Date Ending Dec. 31, 2002 (July 18, 2001)

- 7.7 DHHS Office of Inspector General, Fiscal Year 2001 Work Plan, Selected Areas of Review, Excluding Billing and Claims Processing
- 8.1 RHMC Summary of 2002 Capital Budget, by Number of Requests
- 8.2 RHMC Pool Evaluators
- 8.3 RHMC 2002 Proposed Capital Budget, Funding Summary
- 8.4 CT Scanning Department, List of Tests Performed
- 8.5 Development of Procedure-Level Unit Costs, CT of the Abdomen: Inputs
- 8.6 RHMC 2002 Budget Assumptions, Aug. 2001
- 9.1 RHMC Preliminary Budgeted Statement of Operations for the Budget Year Ending Dec. 31, 2002 (Prepared Sept. 9, 2001)
- 9.2 RHMC Preliminary Budgeted Statement of Operations for the Budget Year to Date Ending Dec. 31, 2002 (Prepared Sept. 17, 2001)
- 9.3 RHMC 2002 Cash Budget, Selected Weeks
- 9.4 RHMC Physician Development, Key Success Factors for the Month and Year to Date Ended Sept. 31, 2001
- 10.1 Tentative HIPAA Administrative Simplification Schedule, Website Information, as of Feb. 28, 2001
- 10.2 RHMC Cash Inflows and Outflows Based on 2002 Budget
- 10.3 RHMC 2002 Proposed Budget, Representation of Table of Contents
- 10.4 RHMC Preliminary Budgeted Statement of Operations for the Budget Year to Date Ending Dec. 31, 2002
- 10.5 RHMC Ratio Analysis, Key Success Factors, 2002 Proposed Budget
- 10.6 RHMC 2002 Proposed Budget, Key Volume Assumptions and Gross Revenue Percentage
- 10.7 RHMC 2002 Proposed Budget, Analysis of Revenue and Contractual Allowances
- 10.8 RHMC 2002 Proposed Budget, Staffing Expenses and FTE Analysis
- 11.1 RHMC Radiology Department, 2002 Monthly Budget Spread
- 11.2 RHMC Monthly Spread of Budgeted Contractual Adjustment, for the Budget Year Ending Dec. 31, 2002
- 11.3 RHMC Utilization Analysis of DRG 89, Pneumonia, Subset: No Substantial CCs or Moderate CCs
- 11.4 Operating Tax Benefits for RHMC as a Representative Not-for-Profit Health Care Organization
- 11.5 RHMC 2000 Community Service Report, Summary of Quantifiable Benefits
- 12.1 RHMC Cardiac Surgery Program, Projected Cardiac Procedures, Gross Revenues and Net Reimbursement, Years 1–5
- 12.2 RHMC Cardiac Surgery Program, Summary of Assumptions, Dec. 2001
- 12.3 RHMC Cardiac Surgery Program, Income Statement Pro Forma, Dec. 2001

- 12.4 National Health Expenditure Amounts, 1999 Actual and 2010 Projected, Selected Years

Figures

- 1.1 National Health Expenditures, 1960–1999
- 4.1 Medicare Expenditures and Enrollees, 1967–1998
- 4.2 Medicaid Enrollees and Expenditures, 1972–1998
- 4.3 Death Rates per 100,000 Resident Population, Ages 65–74
- 4.4 Medicaid Recipients, Percentage by Category, 1972–1998
- 4.5 1998 Medicaid Recipients and Payments as a Percentage of Total, by Basis of Eligibility
- 4.6 Percentage Change in Health Care Industry Revenues Between 1997 and 1998
- 4.7 Growth of Managed Care in America, 1976–1999
- 8.1 RHMC Supply Costs per Adjusted Patient Day, 1996–1998
- 9.1 Physician Mergers and Acquisitions, 1995–1999
- 10.1 Traditional (Estimated) IT Spending as a Percentage of Operating Costs
- 10.2 Potential IT Spending in Health Care
- 10.3 Application Areas Considered Most Important over Next Two Years (2001 Results Versus 2000 Results)
- 10.4 RHMC 2002 Budget, Financial Trends for the Years 1998 Through 2002
- 11.1 RHMC Expense per Adjusted Discharge (EPAD), Actual Versus Top 100 Benchmark Median, 100–250 Beds
- 11.2 RHMC Analysis of CT Scans, DRG 89, No Substantial CCs or Moderate CCs, for the Twelve Months Ended Dec. 21, 2000

Exhibits

- 1.1 RHMC Analysis of Fringe Benefit Percentage
- 2.1 Selected Bond Repayment Ratios
- 2.2 RHMC 2000 Health Insurance Information
- 3.1 Other Financial Ratio Formulas
- 3.2 Operational Ratio Formulas
- 6.1 The Process of Preparing an Operating Plan and Budget
- 6.2 RHMC Pension Status, 2001 Actuarial Report
- 7.1 RHMC “Closing the Gap” Analysis, 2002 Budget
- 8.1 Monthly Departmental “Know Your Business” Report
- 8.2 Development of Procedure-Level Unit Costs, CT of the Abdomen: Outputs