
Contents

PART I. OVERVIEW	1
Chapter 1. Health Behaviors and Care Decisions: An Overview of Professional–Patient Communication	5
<i>M. Robin DiMatteo</i>	
Overview	5
The Problem of Inappropriate/Unnecessary Medical Care	6
Communication: Two Fundamental Elements in Patient Care	7
Barriers to Effective Provider–Patient Communication	9
Models of Patients’ Involvement in Their Own Care	11
Building a Model of Practitioner–Patient Communication	12
Methodological Issues	14
Practical Methodologies	14
Resolving the Differing Perspectives of Physician and Patient	15
Discussion of the Patient’s Problem	15
Discussion of the Physician’s and the Patient’s Goals and Preferences	16
Risks of Health-Related Action and Inaction	16
Risk and Informed Consent	17
Methodological Issues	17
Consideration of Alternative Treatments	18
Future Research Questions	18
Conclusion	19
References	19

PART II. INTERACTIONAL AND STRUCTURAL DETERMINANTS	23
Chapter 2. Professionals' Characteristics and Health Behavior	37
<i>Zeev Ben-Sira</i>	
Introduction	37
The Stress–Disease Relationship: A Damaging Cycle	38
The Biopsychosocial Approach and Advances in Medicine	38
The Need for Physicians to Manifest Affective Behavior	38
The Need for a Biopsychosocial Approach	39
Affective Behavior and Patient Participation	39
Potential Negative Consequences of Affective Behavior	40
Primary Care Practitioners' Sterotyping of Patients: A Protective Mechanism	42
Primary Care and Stress Alleviation: The Israeli Experience	42
Nursing and Biopsychosocial Practice	43
Social Work and Biopsychosocial Practice	44
Conclusion	45
Professional Progress and Health: Cui Bono?	45
Professional Progress and Satisfaction of Health Needs	46
Future Research Issues	46
References	46
Chapter 3. Physician Power and Patients' Health Behavior	49
<i>Marie R. Haug</i>	
Introduction	49
Theories of Professional Power	49
Factors in Patient Power	51
Factors in Physician Power	53
Physician Autonomy	54
Patient Consumerism	55
Future of Power Relations	56
A Glance at Methodological Issues	58
Unanswered Questions	59
References	59
Chapter 4. Professional Roles and Health Behavior	63
<i>Jeffrey C. Salloway, Frederic W. Hafferty, and Yvonne M. Vissing</i>	
Introduction	63
Conceptual Framework	64
Traditional Role of Health Care Professionals	65
Social Forces Change Provider Roles	66
Changing Health Care Provider Roles and Their Effect	68
Research on Professional Roles	73

Conclusions	75
References	76
Chapter 5. Locational Attributes of Health Behavior	81
<i>Joseph L. Scarpaci and Robin A. Kearns</i>	
Locational Attributes, Quality of Care, and Health Care Consumption	82
Institutional and Facility Aspects of Health Care Delivery	83
Ambulatory Care Utilization by Patients in the United States	87
Patterns of Hospital Utilization in the United States	89
Help-Seeking Behaviors: Predicting Use of and Satisfaction with Care	91
Place, Space, and Health	93
Structure, Agency, and Help-Seeking Behaviors	96
Conclusions	99
References	100
PART III. ADHERENCE TO AND ACCEPTANCE OF REGIMENS	103
A. General Perspectives	105
Chapter 6. The History and Meaning of Patient Compliance as an Ideology	109
<i>James A. Trostle</i>	
Introduction	109
The Clinical, Economic, and Academic Importance of Compliance	110
Compliance as an Ideology	110
The History of Compliance as an Ideology	112
Physician Authority and the Status of Compliance	116
Unpacking the Contemporary Ideology of Compliance	116
Implications of Compliance Ideology for Patient Care	118
Compliance and Physician Behavior	120
Is the Ideology of Compliance Applicable Across Cultures?	120
Conclusion	120
Future Research Questions	121
References	122
B. Disease-Focused Regimens	125
Chapter 7. Adherence to Asthma Regimens	131
<i>Thomas L. Creer and Deirdre Levstek</i>	
Introduction	131
Epidemiology	131

Characteristics of Asthma	132
Medical Treatment of Asthma	133
Adherence and Asthma	134
Improving Adherence	138
Altering Treatment Regimens	138
Behavioral Techniques	139
Research and Methodological Issues	141
Assessment of Adherence in Asthma	141
Clinical Issues	145
References	146
Chapter 8. Self-Regulation and Heart Disease	149
<i>Noreen M. Clark</i>	
Introduction	149
Review of Existing Studies	150
The Problem and Predictors of Adherence	150
Patient-Provider Relationships and Compliance	151
Social Support	153
Predicting Risk	154
Risk-Reduction Programs	155
Interventions to Improve the Functioning of People with Heart Disease ..	157
Women	158
Older Adults	159
Self-Regulation: An Example of a Theoretical Approach to Improving	
Interventions	159
Future Directions: Research and Methodological Issues	162
Theoretical Bases of Interventions	163
Reaching Different Populations	163
Elements of Effective Programs	164
Outcomes	164
References	165
Chapter 9. Self-Management of Childhood Diabetes in Family	
Context	169
<i>Tim Wysocki and Peggy Greco</i>	
Introduction	169
Insulin-Dependent Diabetes Mellitus (IDDM)	169
Pathophysiology	169
Medical Management	170
Complications	171
Diabetes Control and Complications Trial	171
Family Responsibilities in Responding to the Challenge of IDDM	172
A Developmental Model of Diabetes Self-Management	180
IDDM Self-Management: A Research Agenda	182

Maintenance of Parental Involvement in Diabetes Management	183
Factors That Affect Higher-Level Self-Regulation Skills	183
Summary	184
References	184
Chapter 10. Acceptance of Diabetes Regimens in Adults	189
<i>Edwin B. Fisher, Jr., Cynthia L. Arfken, Joan M. Heins, Cheryl A. Houston, Donna B. Jeffe, and Roslyn K. Sykes</i>	
Overview	189
Nature of Diabetes	190
Metabolic Control and Its Measurement	191
Treatment and Regimens for Diabetes Management	191
Perspectives on Acceptance	192
Clinician's Perspective	192
Patient's Perspective	193
Population's Perspective	194
Patient's versus Population's Perspective	194
"Naturally Occurring" Influences	195
Culture	195
Worksite	195
Economic Influences	196
Social and Family Influences	197
Personal Influences	198
Planned Influences	199
The Diabetes Control and Complications Trial as an Example of a Successful Program	199
Clinical Care and Prescription	200
Patient Education	201
Psychological Factors in Patient Education, Counseling, and Support	202
Motivation and the Patient's Role	203
Community Approaches	204
Standards of Care	205
Special Populations	205
Underserved or Disadvantaged Groups	205
Older Adults	206
Adults with Insulin-Dependent Diabetes Mellitus	207
Research Issues	207
Summary and Conclusions	208
References	208
Chapter 11. Epilepsy Self-Management	213
<i>Colleen Di Iorio</i>	
Introduction	213
Overview of Epilepsy	214

Self-Management Defined	214
Compliance in Epilepsy	215
Multidimensional Compliance in Epilepsy	215
Measures of Self-Management	216
Pill Counts	216
Antiepileptic Drug Blood Levels	216
Self-Report	217
Treatment Outcome	218
Models of Self-Management	218
Medical Model	218
Health Belief Model	221
Framework of Relationships Model	223
Social Cognitive Theory	224
Self-Management Interventions	226
Directions for Future Research	227
Research and Methodological Issues	227
Summary	228
References	228

Chapter 12. Determinants of Regimen Adherence in Renal Dialysis 231

Alan J. Christensen, Eric G. Benotsch, and Timothy W. Smith

Adherence in Renal Dialysis	231
Overview of End-Stage Renal Disease (ESRD) and Renal Dialysis	231
The Renal Dialysis Treatment Context	232
Overview of the Problem of Nonadherence	232
Determinants of Patient Adherence	233
Demographic Variables	234
Patient Beliefs	234
Social Resources	235
Personality Influences	236
The Person by Context Interactive Framework	236
Summary of Research Examining Determinants of Adherence	239
Major Limitations in ESRD Adherence Research	240
Clinical Implications of Adherence Research	241
Concluding Observations	242
References	242

Chapter 13. Adherence to Mammography and Breast Self-Examination Regimens 245

Victoria L. Champion and Anna Miller

Introduction	245
Efficacy of Breast Cancer Screening	245

Determinants of Mammography Adherence	247
Descriptive Research	247
Intervention Research	251
Methodological Problems	255
Future Research Directions	256
Determinants of Breast Self-Examination Adherence	256
Descriptive Research	256
Intervention Research	259
Methodological Problems	262
Future Research Directions	263
References	263

Chapter 14. Compliance with Antituberculosis Regimens and the Role of Behavioral Interventions 269

Donald E. Morisky and Daniel M. Cabrera

Introduction	269
Health Behavior Issues in the Management and Control of Tuberculosis	270
Compliance	270
A Psychosocial Model of Compliance Behavioral Constructs	271
Methodological Issues	279
A Systems Approach to the Control of Tuberculosis in the Community	280
Clinic Care Approaches	280
Health Education Policy	280
Staff Training	280
Outreach	281
Conclusion	281
References	281

Chapter 15. Acceptance of Cancer Screening 285

Barbara K. Rimer, Wendy Demark-Wahnefried, and Jennifer R. Egert

Introduction	285
Cancers Appropriate for Screening	286
Theoretical Approaches to Cancer Screening	286
Adherence to Cervical Cancer Screening	287
Adherence to Colorectal Cancer Screening	287
Adherence to Skin Cancer Screening	291
Adherence to Prostate Cancer Screening	293
Adherence to Testicular Cancer Screening	295
The Potential Impact of Genetic Advances on Cancer Genetic Screening ...	297
Conclusion	298
References	299

Chapter 16. Adherence to Dental Regimens	303
<i>Kevin D. McCaul</i>	
Dental Regimen Adherence as Habit	303
The Relapse Curve	304
Possible Predictors of Relapse	305
Method	305
Results	307
Discussion	310
Increasing Adherence	311
Insufficiently Studied Strategies	312
Behavioral Interventions	313
Cognitive Restructuring	313
Illness Cognition Interventions	314
Future Research	315
Methodological Issues	315
Cost-Benefit Analysis	315
Summary and Implications	316
For Dental Health Professionals	316
For Researchers	316
For Professionals and Researchers	317
References	317
C. Lifestyle Regimens	321
Chapter 17. Adherence to Weight Loss and Nutritional Regimens ...	323
<i>Joan C. Chrisler</i>	
Introduction	323
The Extent of the Problem	324
Methodological Issues	324
Why Is It So Difficult to Adhere to a Diet?	325
Sociocultural Issues in Diet Adherence	325
Age-Related Issues in Diet Adherence	326
Gender-Related Issues in Diet Adherence	327
Predictors of Adherence to Diets	327
How Can Adherence to Diets Be Increased?	329
Conclusion	330
References	331
Chapter 18. Initiation and Maintenance of Exercise Behavior	335
<i>Bess H. Marcus, Beth C. Bock, and Bernardine M. Pinto</i>	
Introduction	335
Prevalence of Participation	336
Determinants of Physical Activity	337
Personal Characteristics	337

Psychological Characteristics	337
Environmental and Program Characteristics	338
Barriers to Participation	338
Environmental Issues	338
Cognitive Barriers	339
Barriers Specific to Women	340
Barriers Related to Aging	341
Barriers That Affect Underserved Populations	341
Summary	341
Application of Theoretical Models	342
Stages of Change Model	342
Relapse-Prevention Model	343
Social Learning and Social Cognitive Theories	343
Summary	344
Intervention Studies	344
Community-Based Interventions	344
Physician Training	344
Interventions in the Workplace	345
Summary	346
Future Research and Methodological Issues	346
References	347
Chapter 19. Adherence to Smoking Cessation Regimens	353
<i>Russell E. Glasgow and C. Tracy Orleans</i>	
Introduction and Summary of Early Approaches	353
Adherence to Stop Smoking Regimens	354
Newer Research Directions: Public Health Emphasis	356
Reaching More Smokers	358
Physician's Office and Hospital Interventions	358
Worksite Smoking Cessation Approaches	360
Community-Wide Approaches	362
Tailoring Interventions	363
Levels of Intervention and the Stepped-Care Approach	363
Tailoring for Special Populations	368
Methodological and Evaluation Issues	370
Future Directions and Conclusions	371
Dissemination	371
Harnessing the Move to Managed Care	372
Conclusions	373
References	373
Chapter 20. Accepting Occupational Safety and Health Regimens ...	379
<i>Alexander Cohen and Michael J. Colligan</i>	
Introduction	379
Impediments to Safe Behavior	381

Ability Factors	382
Intentional and Motivational Factors	384
Environmental Factors	385
Summary	386
Strategies for Overcoming Problematic Factors	386
Training to Enhance Ability and Knowledge	386
Feedback and Incentives as Intentional and Motivational Factors	387
Organizational and Environmental Factors	388
Applications to the Problems at Hand	389
Further Research Issues	391
Training Issues	391
Motivational and Promotional Issues	392
Organizational Issues	392
References	393
PART IV. INTEGRATION	395
Chapter 21. Provider Determinants of Health Behavior: An Integration	397
<i>David S. Gochman</i>	
Selected Health Behaviors	398
Adherence to Disease-Focused Regimens (Responses to Illness)	398
Preventive, Protective, and Safety Behaviors	404
Lifestyle	406
Care Seeking	408
Common Themes	409
Conceptual Issues	409
Methodological Issues	411
Professional versus Phenomenological Perspectives	412
The Role of Affect	413
Size of the Focal System	413
Future Research Directions	413
Methodological Directions: The "Boilerplate"	413
Conceptual Models	414
Research on Institutional Factors and Interventions	414
The Search for Meaning	415
Summary	416
References	417
Concepts and Definitions: A Glossary for Health Behavior Research	419
Contents of Volumes I–IV	435
Index to Volumes I–IV	441