Contents

List of Figures xiii List of Tables xv Contributors xvii Foreword by Linda Aiken xix Preface by Geri L. Dickson and Linda Flynn xxiii Acknowledgments xxvii

SECTION I: DISCOVERING THE RESEARCH TO POLICY CONNECTION 1

1 Back to the Future: From Evidence to Policy Geri L. Dickson

> Select Examples of Past Policy Changes 4 Where Do We Go From Here? The Intersection of Politics and Policy 12 Applying Kingdon and Gladwell's Theories to Policy Change by Nurses 16

2 Nursing Outcomes Research: Connections to Workforce Issues and Policy Decisions 19

Sean P. Clarke

Health Services Research and Nursing Outcomes Research 20 Challenges in Nursing Outcomes Research 22 Nursing Outcomes Research at the University of Pennsylvania's Center for Health Outcomes and Policy Research 27 The Future and the Role of Nursing Outcomes Research

Lessons Learned 33 Geri L. Dickson

SECTION II: TOWARD EVIDENCE-BASED POLICY: COLLECTING AND MANAGING THE DATA 39

Introduction 39
Geri L. Dickson

3 Addressing the Complexities of Survey Research 43
Patricia Moulton, Linda M. Lacey, Linda Flynn, Christine Tassone Kovner, and Carol S. Brewer

It Is All About the Why: Determining Your Survey
Research Topic 44
Do You Know What You Are Asking? Common Problems

With Survey Questions 50
Mail Survey Method: Imperatives and Pitfalls 58
Collecting Data by Survey—The Best-Laid Plans
Can Go Awry 62

Forecasting a State Supply and Demand of RNs Using the Revised 2005 HRSA Models 71
Lynn Unruh and Valerie Danesh

The HRSA Nursing Demand and Supply Models 73
Using the HRSA Models for Forecasting in Individual States:
Three Approaches 81

FCN Experiences in Using the HRSA Models for Forecasting in Florida 85

Summary of FCN Experiences: Lessons Learned in Using the HRSA Models for Forecasting in Florida and Recommendations for Other States 98

5 Missing Data Effects on Nurse Workforce Analysis and Projections 103

Jennifer G. Nooney

Sources and Causes of Missing Data 104
Analyzing and Classifying Missingness: The Bias Analysis 107
Traditional Methods for Dealing with Missing Data 111
Recent Developments in Missing Data Techniques 115

Lessons Learned 121

Contents

SECTION III: RESEARCH AND WORKPLACE POLICY 125

Introduction 125

Geri L. Dickson

Work Satisfaction Among Staff Nurses in Acute Care Hospitals 127 Carol S. Brewer and Christine Tassone Kovner

Sample 128 Methods 129 Findings 130 Discussion 136

Policy Implications 138

Workload, Quality of Care, and Job Satisfaction in Home Health Nurses 143

Linda Flynn

Background and Significance 144 Method 146 Findings 147 Policy Implications 150

8 The Emotional Demands of Nursing 155

Rebecca J. Erickson

A Crisis in Nurse Staffing 156
Why Nurses Leave Direct Patient Care 157
The Emotional Foundations of Burnout 158
Methods 162

Methods 16 Results 168

What Influences Burnout Among Registered Nurses? 170

Which Facets of the Emotional Context of Care Might Contribute to an Understanding of Burnout Over and Above the Effect of Individual and Occupational Characteristics? 172

Lessons Learned 179

Geri L. Dickson

SECTION IV: RESEARCH AND EDUCATIONAL POLICY 183

Introduction 183

Geri L. Dickson

9 Nursing's Long-Term Pipeline: A Study of High School Students Using a Unique Data Collection Approach 187

Rebecca Rudel and Patricia Moulton

North Dakota's Unique Nursing Education History
Tomorrow's Nursing Pipeline: A Literature Review
Nursing as a Specific Career Vision in High School
The High School Student Survey
194
Discussion 200

The Looming Crisis of an Inadequate Pipeline for Nursing Faculty 209

Brenda Cleary, James W. Bevill Jr., Linda M. Lacey.

and Jennifer G. Nooney
Faculty Supply and Demand 210

The Pipeline for Faculty Roles 212 Discussion 214

11 Clinical Simulation and the Need for Evidence-Based Policy 219
Felissa R. Lashley and Wendy Nehring

Types of Simulation 221 Standardized Patients 225 Simulation and Policy 226

Lessons Learned 233

SECTION V: FUNDING THE RESEARCH TO POLICY CONNECTION 237

Introduction 237
Linda Flynn

12 Of Horses and Ponies: Taking Your Show to Washington 239
Claudia L. McDonald

Why Should I Learn to Dance? 239
The Dance: One Step at a Time 242
The Federal Budget Process 246

AHRQ Funding Opportunities for Nurse Researchers 253 Kathleen Kendrick, Gail S. Makulowich, and Mary L. Grady

AHRQ's Changing Mission 254
AHRQ's Research Priorities 255
Research Funding Opportunities 257
Training and Career Development Programs 263
Research Infrastructure Support Programs 265
Getting an AHRQ Research Grant 266
Overview of the Grant Application Submission, Review, and Award Process 267

From Issues to Action: How the Robert Wood Johnson Foundation Influences Health Policy 271

Lori Melichar and Susan B. Hassmiller

Governmental Policy: RWJF's Role in Advancing the Nurse
Practitioner Role 272
Organizational Policy: Transforming Care at the Bedside 273
The Process of Influencing Policy 275
Identifying Promising Solutions to Improve Health
and Health Care 278
Creating the Evidence to Convince Policy Makers to Improve
Health and Health Care Policy 279
Restrictions on Lobbying: A Delicate Balance 285
Building Capacity of Individuals and Institutions 288
Conclusion: How RWJF Influences Policy 289

15 A Metaphor for Addressing the Nurse Shortage in Oregon 293

Judith L. Woodruff

Northwest Health Foundation 294
Farming and the Relationship to the Nursing
Workforce Crisis 295
Cultivating the Environment for Nursing 296
Planning for Future Crops: Supporting a Nursing
Policy Agenda 308
Conclusion and Key Findings 310

Lessons Learned 313

SECTION VI: MAKING THE RESEARCH TO POLICY CONNECTION 317

Introduction 317

Geri L. Dickson

16 Policy Development and Nursing 319

Citizenship in a Democracy 319

Nurses as Participants in a Democratic Community

The Power of Numbers 322

320

The Power of Numbers Politics for Policy 323 Beyond Baseline 327

17 State Funding for Nurse Faculty Loan Repayment: The Vermont Experience 329

Mary Val Palumbo

Applying Kingdon's Framework 329 The Political Stream 333 The Policy Stream 333

18 Using Research to Influence Federal Policy:

The Nephrology Nurses' Experience 343

Linda Flynn, Charlotte Thomas-Hawkins, and Sandra M. Bodin

The Research–Policy Connection 344
The Revised Model in Action 344

Lessons Learned 349

EPILOGUE 353

19 From Research to Policy—The Ultimate Translation 355
Linda Flynn and Geri L. Dickson

Index 359

List of Figures

CHAPTER 4	
Figure 4.1	Overview of the NDM 75
Figure 4.2	NDM Operational Structure 78
Figure 4.3	Overview of the NSM 79
Figure 4.4	NSM Operational Structure 80
CHAPTER 5	
Figure 5.1	Projected RN FTE Growth in NC Hospitals, 2004–2006 117
CHAPTER 8	
Figure 8.1	Percentage Reporting Emotional Context- of-Care Experiences 169
Figure 8.2	Job Burnout Regressed on Emotional Experience 171

Job Burnout Regressed on Emotional Labor

Reasons for Not Planning for a Nursing Career 197

Students' Agreement With Perception Statements

Nurse Practice Environments, Nurse Staffing,

and Outcomes

CHAPTER 2

Figure 2.1

Figure 8.3

Figure 9.1

Figure 9.2

CHAPTER 9

CHAPTER 10

Figure 10.1 Projected Faculty Supply and Demand Under Different Retirement Thresholds and Student-to-Faculty Ratios 210

CHAPTER 12

Figure 12.1 Overview of the Federal Budget Process 248

Figure 12.2 Focus on the Congressional Budget Process 249

CHAPTER 13

Figure 13.1 Supply-side Research Paradigm 256

st	of	Ta	b	les	
and the second	Special section (19)	****		Market Cont.	

CH	A	P1	Έ	R	4
----	---	----	---	---	---

Table 4.1	HRSA NDM Projections: Nurse Types and Health Care Utilization by Setting 76
Table 4.2	Summary of Data Sources and Corresponding Data Fields 87
Table 4.3	Baseline Comparisons of Employed Florida Nurse FTEs: HRSA Versus FCN Numbers 92
Table 4.4	Baseline Comparisons of Florida RN Populations: HRSA Versus FCN 93
Table 4.5	Baseline Comparisons of Florida RN New Graduates and Educational Upgrades: HRSA Versus FCN Values 94

CHAPTER 5

Table 5.1 Hospital Size and Response Status 109

CHAPTER 6

Table 6.1 Predictors of Job Satisfaction

CHAPTER 7	
Table 7.1	Sample Characteristics $(n = 137)$ 146
Table 7.2	Correlational Coefficients of Workload Variables and Quality Indicators ($n=137$) 149
Table 7.3	Odds Ratios Associated With Unadjusted Effects of Workload and Quality Indicators on Home Health Nurses' Intentions to Leave their Jobs 149

xvi List of Tables

CHAPTER 10

Table 10.1 Percentage of Cohort Members Achieving Master's and Doctoral Preparation 215

CHAPTER 17

- Table 17.1
 All Options Considered
 335
- **Table 17.2** A Summary of all the Legislation that was Introduced for Nursing Faculty Loan Repayment in Vermont 340