

Contents

	Preface	xv	
1	Introduction		1
	Demography Defined	1	
	Current Population Size and Composition	4	
	Absolute Size, Distribution, and Density	4	
	Composition	5	
	Population Change	6	
	Population Growth and Its Components	6	
	Growth Components as Population Processes	8	
	Population Change: Growth and Reclassification	11	
	Population Problems	11	
	Public Definition	14	
	Population Problems in This Textbook	15	
	SUMMARY	16	
	EXERCISES	17	
	PROPOSITIONS FOR DEBATE	18	
	REFERENCES AND SUGGESTED READINGS	18	
2	Demographic Data		19
	Population Censuses	19	
	Basic Features	20	
	Census Topics	21	
	Census Errors	23	
	Evolution of the U.S. Census	25	
	Coverage	26	
	Census Geography	27	
	Content	29	
	Data Collection	32	
	Processing and Publication	32	

Registration and Vital Statistics 35
 Evolution of Vital Statistics Systems 35
 Difficulties 38
 Population Registers 39
Sample Surveys 40
Demographic Estimation 41
 Why Estimates Are Needed 41
 Estimation of Historical Population Size 42
SUMMARY 43
PROPOSITIONS FOR DEBATE 43 REFERENCES AND SUGGESTED READINGS 44

3 Population Growth 47

A History of Global Population Growth 47
 Premodern Growth, Before 1650 49
 Modern Explosion, 1650 to the Present 49
Classifying Countries 53
 The Development Dichotomy: MDRs and LDRs 53
The Prototypical Historical Demographic Transition 56
 Description 56
 Demographic Transition Theories 58
Differential Growth, 1950–2100 60
 Counts and Estimates, 1950 to 2010 60
 Projections, 2010 to 2100 64
 Projections as Predictions 64
Problems of a Changing World Distribution 65
Problems of Population Size 67
 Carrying Capacity, Population Density,
 and the Ecological Footprint 67
 From Malthus to Marx to the Neo-Malthusians 68
 Global Overpopulation and the Environment 71
 National Overpopulation 74
Problems of Growth Rates 77
 Too-Rapid Growth 77
 Too-Slow Growth 80
SUMMARY 84
EXERCISES 85 PROPOSITIONS FOR DEBATE 86
REFERENCES AND SUGGESTED READINGS 87

4 Age and Sex Structure 93

Describing Age-Sex Structure 94
 Quality of Census Data 94
 Describing Age Structure 95
 Describing Sex Structure 98
 Population Pyramids 98

7 Contrasts Between More-Developed and Less-Developed Countries 99
 Age Structure 99
 Sex Structure 102
 Projected Changes to 2050 102
 Evolution of the U.S. Structure 104

How Structure Affects the Population Processes 107
 Mortality 108
 Fertility 108
 Migration 108
 How the Population Processes Determine Structure 110
 Mortality Decline 110
 Fertility Decline 113
 Migration 115

Problems of Young Populations 117
 Development Concerns 117
 Social and Health Concerns 117
 The Demographic Dividend as Antidote 118

Problems of Old Populations 118
 Productivity of the Workforce 119
 Increasing Size and Visibility of the Elderly Population 122
 Old-Age Dependency 125
 The Case of Japan and the United States 126
 The Future of Social Security in the United States 126
 Health and Capacity in the United States 128
 The Intergenerational Distribution of Wealth 129
 Intergenerational Perceptions and Structural Relations 130

Problems of Fluctuations in
 Cohort Size in the MDRs 131
 Institutional Problems 132
 Cohort Problems 133

SUMMARY 134
 EXERCISES 135 PROPOSITIONS FOR DEBATE 139
 REFERENCES AND SUGGESTED READINGS 139

5 **Mortality** 145

Measuring Mortality via Life Expectancy 145
 Counting Deaths 145
 Computing and Interpreting Life Expectancy 146

Historical Mortality Transitions 150
 Increases in Life Expectancy 150
 Proximate Causes of Death 153
 How Certain Proximate Causes of Death Were Avoided 157

Mortality Declines in the Less-Developed Regions 158
 Increases in Life Expectancy 158
 Decreases in Infant Mortality 159
 Proximate Causes of Death and Their Control 162

Sex Differences in Mortality in the
 More-Developed Regions 163
 Current Contrasts between More-Developed
 and Less-Developed Regions 163
 Explaining Superior Female Longevity
 in the More-Developed Regions 165
 Problems of Mortality 167
 Defining Mortality Problems 167
 Problems of Stalled Mortality Transitions 170
 HIV/AIDS and Other Emergent Diseases 171
 Inequality of Persistent High Mortality 176
 SUMMARY 179
 EXERCISES 179 PROPOSITIONS FOR DEBATE 182
 REFERENCES AND SUGGESTED READINGS 183

6 Morbidity and Health

189

Why Demographers Study Morbidity 189
 Morbidity and Mortality in the
 Epidemiological Transition 190
 Sources of Data 190
 Two Underlying Causes 191
 Infant and Child Health 193
 Modern Morbidity Data 193
 Surveillance Systems and Registries 194
 Health Surveys 194
 Cause-of-Death Reports 195
 Measuring Morbidity 195
 Morbidity Rates 195
 Leading Mortality Causes 196
 Age and Sex Patterns of Morbidity 199
 Morbidity Problems: Costs of Lost Life and Health 200
 Years of Life Lost (YLL) 200
 Years of Health Lost 202
 Years of Life and Health Lost: Burden of Disease 202
 Health-Adjusted Life Expectancy 204
 Morbidity Problems: Risk Factors 205
 Relative Importance 205
 Malnutrition 206
 Infant and Child Morbidity 206
 Environmental Health 207
 Unhealthy Lifestyles 207
 Injuries 208
 Frail Old Age 208
 SUMMARY 210
 EXERCISES 211 PROPOSITIONS FOR DEBATE 213
 REFERENCES AND SUGGESTED READINGS 213 APPENDIX 217

7 Fertility	219
European Fertility Transitions	220
Historical Demography	220
The Malthusian Transition	221
The Neo-Malthusian Transition	222
Causes of the Neo-Malthusian Transition: Some Theories	224
Measuring Period Fertility	227
Getting Information about Births	228
Fertility Rates	228
Total Fertility Rates	229
Recent Fertility Declines	231
By Region	231
Replacement-Level Fertility	233
Malthusian and Neo-Malthusian Components	234
Projections	235
Explaining Period Fertility Changes:	
The U.S. Case	235
History of the U.S. Crude Birth Rate	236
The Influence of Age Structure on Period Fertility	237
The Influence of Cohort-Completed Fertility	239
The Influence of Timing	241
The Influence of Age Structure on Cohort Fertility	243
Explaining Cohort Fertility	244
Explanation by Background	244
The Proximate Determinants of Fertility	245
Voluntary versus Involuntary Factors	246
Intercourse Variables	247
Being in Sexual Unions	247
Exposure within Unions	248
Conception Variables	249
Involuntary Factors	249
Breast-Feeding	251
Contraception	253
Gestation Variables	256
Involuntary Interruption	256
Voluntary Interruption	256
Fertility "Problems"	258
Fertility, Age Structure, and Population Growth: A Review	258
Maternal and Child Mortality and Morbidity	258
Unmet Contraceptive Needs and Unwanted Pregnancies	259
Adolescent Fertility	260

Family-Planning Programs in the Less-Developed Regions 261
 The Goals of Family Planning 264
 Critics and Compromises 264
 The Health and Reproductive Rights Agenda 265
 Support for Family-Planning Programs 266
 SUMMARY 267
 EXERCISES 268 PROPOSITIONS FOR DEBATE 270
 REFERENCES AND SUGGESTED READINGS 270

8 Unions and Householding

Definition and Measurement 280
 Definitions 280
 Data on Marriage and Divorce 282
 Marital Status Composition 283
 Annual Rates 284
 World Variations in First Marriage 285
 The First-Marriage Curve 285
 Current Variations among Less-Developed Countries 287
 Europe, Past and Present 292
 The United States, Past and Present 295
 Marital Dissolution Trends in the United States 301
 Widowhood in the United States 303
 Divorce in the United States 304
 Family Life Course Trends in the United States 310
 Changes in Completed Family Life Courses 310
 Recent Changes in Timing of Marital Events 311
 Which Household Union Trends Are Problems? 313
 SUMMARY 315
 EXERCISES 316 PROPOSITIONS FOR DEBATE 318
 REFERENCES AND SUGGESTED READINGS 319

9 Migration

What Is Migration? 325
 Which Moves Are Migrations? 325
 Which Dimensions of Migration Are Important? 326
 Data Sources 328
 Administrative Records 329
 Registering Border Crossings 329
 Retrospective Census Questions 330
 Surveys 331
 Estimating from Intercensal Growth 332
 Estimating Undocumented Immigration 333

EXERCISES 311 PROPOSITIONS FOR DEBATE 211

REFERENCES AND SUGGESTED READINGS 213 APPENDIX 117

279

325

International Migration	334
Prehistoric and Historic Variety	334
Premodern Migration Streams, 1500–1965	336
Modern Migration Streams	338
Impact on Resident Populations	343
Internal Migration: The U.S. Case	344
A Brief History of U.S. Interregional Migration	344
Current Interregional Net Migration	345
Effect of Population Age Composition	346
Determinants of Migration	348
From Empirical Generalizations to Theories	348
Migration Theories	350
Migration Problems and Policies	353
Spread of National Policies	356
Impact on Size and Growth Rates	357
Impact on the Labor Force	358
Impact on Social Composition	360
Immigration Policy: The U.S. Case	360
A Brief History	361
Recent Immigration Reforms	363
SUMMARY	366
EXERCISES	367
PROPOSITIONS FOR DEBATE	369
REFERENCES AND SUGGESTED READINGS	369
10 Urbanization	375
World Urbanization: Past, Present, and Future	375
Definition and Measurement	375
History of Urbanization	376
The Components of Urban Growth	379
Regional Urbanization Trends	380
City Size, Mega-Cities, and Urban Corridors	382
Urbanization “Problems” and Policies in the Less-Developed Regions	383
Governmental Concerns	383
Out-Migration from Rural Areas	385
In-Migration to the Cities	385
Maldistribution of Cities	386
Reasons for Limited Migration Policy Success	386
Urbanization “Problems” in the More-Developed Regions	389
Urbanization and Deconcentration in More-Developed Regions	392
Metropolitan Growth: The U.S. Case	393
Metropolitan “Problems”: The U.S. Case	396
SUMMARY	398
EXERCISES	399
PROPOSITIONS FOR DEBATE	401
REFERENCES AND SELECTED READINGS	402

11 Population Diversity

- Demographic Terminology 405
 - Race, Ethnicity, and Ancestry 405
 - Definition and Measurement in the United States 406

The Demography of U.S. Ethnic Groups 411

- Relative Growth 411
- Age and Sex Structures 412
- Mortality, Morbidity, and Health 419
- Fertility 425
- Marriage 427
- Migration 430

Problems and Policies 433

- Urban Segregation 433
- Inequities in Health 437
- Accommodating Ethnic Immigrants 437

SUMMARY 440

EXERCISES 441 PROPOSITIONS FOR DEBATE 443

REFERENCES AND SELECTED READINGS 443

Glossary 449

Index 461

- World Urbanization: Past, Present, and Future 375
- Definition and Measurement 375
- History of Urbanization 376
- The Components of Urban Growth 379
- Regional Urbanization Trends 380
- City Size, Mega-Cities, and Urban Corridors 382
- Urbanization "Problems" and Policies in the Less-Developed Regions 383

Migration

- What Is Migration? 325
- Which Moves Are Migration? 325
- Which Movements of Migration? 326
- Data Sources 328
- Administrative Records 328
- Registering Entry Countries 328
- Retrospective Census Methods 328
- Surveys 328
- Summary 328
- Exercises 329 PROPOSITIONS FOR DEBATE 401
- REFERENCES AND SELECTED READINGS 401