

Contents

Volume I

General Introduction i

GRAZIELLA CASELLI, JACQUES VALLIN, AND
GUILLAUME WUNSCH

SECTION

I

POPULATION DYNAMICS

Introduction to Volume I 1

GRAZIELLA CASELLI AND JACQUES VALLIN

PART

I

POPULATION GROWTH

CHAPTER

1

Populations and Individuals 5

JACQUES VALLIN

- I. Number and Composition 1
- II. Size, Composition, and Dynamics:
State and Change 6

CHAPTER

2

Population: Replacement and Change 9

JACQUES VALLIN

- I. Exogenous Replacement: Entries and Exits by
Migration 9
- II. Endogenous Replacement: Births, Deaths 12

CHAPTER

3

Population Increase 15

GUILLAUME WUNSCH, JACQUES VALLIN, AND
GRAZIELLA CASELLI

- I. Total Population Increase 15
- II. Natural and Migratory Increase 18

CHAPTER

4

Population Dynamics: Movement and Structure 23

GRAZIELLA CASELLI AND JACQUES VALLIN

- I. The Age-Sex Structure 24
- II. Crude Rates and Age-Specific Rates 37
- III. The Relationship between Age-specific
Rates, Age Structure, and Population
Growth 43

PART

II**THE LONGITUDINAL APPROACH****Description of Demographic Processes
in a Birth Cohort 49**

GRAZIELLA CASELLI AND JACQUES VALLIN

CHAPTER

5**Variation Through Time of
Age-Specific Rates 51**

GRAZIELLA CASELLI AND JACQUES VALLIN

CHAPTER

6**From Situating Events in Time to the Lexis
Diagram and the Computing of Rates 55**

GRAZIELLA CASELLI AND JACQUES VALLIN

- I. Time, Age, Cohort 55
- II. The Lexis Diagram 57
- III. Elements for Computing a Rate, According to
the Classification Mode of Events 61

CHAPTER

7**Frequency Surfaces and
Isosfrequency Lines 69**

GRAZIELLA CASELLI AND JACQUES VALLIN

- I. Attempts at Three-Dimensional
Representation 69
- II. Contour Lines 71

CHAPTER

8**Rates, Frequencies, and Probabilities 79**

GUILLAUME WUNSCH

- I. Types of Events and Population States 79
- II. Repeatable Events: Rates and Frequencies 81
- III. Nonrepeatable Events, Probabilities, and
Occurrence/Exposure Rates 82
- IV. Single and Multiple Decrement 86
- V. The Force of Attrition 87

CHAPTER

9**Competing Risks, Independence,
and Continuity 89**

GUILLAUME WUNSCH

- I. The Condition of Independence 89
- II. The Condition of Continuity 91

CHAPTER

10**The Longitudinal Approach 93**

GUILLAUME WUNSCH

- I. Individual and Cohort Data 93
- II. The Longitudinal Approach: Descriptive
Measures 96

CHAPTER

11**Cohort Life Table 103**

JACQUES VALLIN AND GRAZIELLA CASELLI

- I. Calculating a Cohort's Probabilities of
Dying 103
- II. Construction and Main Functions of the
Table 112
- III. From the Discrete to the Continuous: Entering
the Table Via the Force of Mortality 117
- IV. The Oldest-Ages Problem and Table
Closure 119
- V. The Special Case of Infant Mortality 125

CHAPTER

12**Cohort Analysis of Fertility 131**

GUILLAUME WUNSCH

- I. Analyzing Cohort Fertility from Retrospective Data 131
- II. Cohort Fertility from Vital Registration Data 139
- III. Fertility by Marriage Cohorts 142
- IV. Fertility by Parity Cohorts 143
- V. Fertility by Age, Marriage Duration, and Birth Interval 145

CHAPTER

13**Cohort Approach to External Migration Flows 149**

GRAZIELLA CASELLI AND JACQUES VALLIN

- I. The Data Constraint 150
- II. Age-Specific Inflow and Outflow Rates 151
- III. Estimating Net Migration: A Robust Approach Despite Its Limits 153

PART

III**PERIOD ANALYSIS REVISITED****The Hypothetical Cohort and its Relations with Actual Birth Cohorts 161**

GRAZIELLA CASELLI AND JACQUES VALLIN

CHAPTER

14**The Hypothetical Cohort as a Tool for Demographic Analysis 163**

JACQUES VALLIN AND GRAZIELLA CASELLI

- I. The Period Life Table 163
- II. Hypothetical Intensity and Tempo of Fertility 171
- III. External Migrations 186

CHAPTER

15**Confounding Variables, Standardization, and the Problem of Summary Indices 197**

GUILLAUME WUNSCH

- I. Confounding Variables 197
- II. Interaction Between Causes 199
- III. Standardization and the Problem of Summary Indices 200

CHAPTER

16**Relationships between Age-Specific Rates and Synthetic Indicators: Decomposition of a Difference 209**

JACQUES VALLIN AND GRAZIELLA CASELLI

- I. How Differences in Age-Specific Mortality Affect a Difference in Life Expectancy 209
- II. Tempo Effect and Intensity Effect on the Difference Between Two TFRs 212

CHAPTER

17**Demographic Translation: From Period to Cohort Perspective and Back 215**

NICO KEILMAN

- I. The Need for Both Cohort and Period Analysis 215
- II. Early Expressions by Ryder for the Case of Age-Specific Fertility 216
- III. Expressions for Nonrepeatable Events 218
- IV. The Bongaarts/Feeney Method for Tempo Adjustment of Period Fertility 219
- V. Numerical Illustrations 220

CHAPTER

18**Age-Period-Cohort Models in Demography 227**

JOHN WILMOTH

- I. Theoretical Motivation 228
- II. Age-Period-Cohort Models 229

PART

IV**A TENTATIVE SYNTHESIS OF THE COMPONENTS OF DYNAMICS****From Reproduction to Population Models 237**

GRAZIELLA CASELLI AND JACQUES VALLIN

CHAPTER

19**Population Replacement 239**

JACQUES VALLIN AND GRAZIELLA CASELLI

- I. Female Reproduction 237
- II. Male Reproduction and the Sex-Reconciliation Issue 245

CHAPTER

20**Population Models 249**GRAZIELLA CASELLI, JACQUES VALLIN, AND
GUILLAUME WUNSCH

- I. Lotka's Theory 249
- II. Moving Towards a Stable State Via the Projection Matrix 252
- III. A Special Case: The Stationary Population 254
- IV. Some Applications of the Stable Population Model 255
- V. The Problem of the Two Sexes 259
- VI. From Semistable and Quasi-Stable Populations to Generalized Stable Equations 259

PART

V**FROM HOMOGENEITY TO HETEROGENEITY****New Ways Forward for Demographic Analysis 269**

GRAZIELLA CASELLI AND JACQUES VALLIN

CHAPTER

21**Unobserved Population Heterogeneity 271**

JAMES VAUPEL AND ANATOLI YASHIN

- I. Population Heterogeneity 271
- II. Compositional Change 271
- III. Three Levels of Explanation 272
- IV. Frailty Models 272
- V. Empirical Data 276
- VI. Methods of Parameter Estimation 276

CHAPTER

22**Mobility and Spatial Heterogeneity 279**

DANIEL COURGEAU

- I. Concepts of Mobility 279
- II. Measurement Issues 281
- III. Migratory Moves, Registers, and Surveys 281
- IV. Mobility Over Time 283
- V. Mobility, Space, and Spatial Models 287
- VI. Multistate Models 289

CHAPTER

23**Demographic Event History Analysis 293**

DANIEL COURGEAU AND EVA LELIÈVRE

- I. From Longitudinal Analysis to Event History Analysis 293
- II. Statistical Formalization 295
- III. Applications of These Methods in Various Research Fields 297
- IV. Future Developments 299

CHAPTER

24**Individuals and Context in the Multilevel Approach to Behavioral Analysis 303**

DANIEL COURGEAU

- I. Individual and Aggregate Measures: Contextual Analysis 303
- II. Introducing Group Effects: Multilevel Models 305
- III. Generalization of the Analysis 311

SECTION

II**DETERMINANTS OF FERTILITY****Introduction 313**GRAZIELLA CASELLI, JACQUES VALLIN, AND
GUILLAUME WUNSCH

PART

I**A PRECONDITION OF FERTILITY****Union Formation 315**GRAZIELLA CASELLI, JACQUES VALLIN, AND
GUILLAUME WUNSCH

CHAPTER

25**Analysis of Couple Formation and Dissolution 317**

PATRICK FESTY

- I. Principles of Cohort Analysis 318
- II. The Nuptiality Table 319
- III. Proxy Measures of the Nuptiality Table 320
- IV. Period Measures 321
- V. Divorce Table 323
- VI. Widowhood Table 324
- VII. Remarriage 325
- VIII. Unions and Marriage 325
- IX. Nuptiality and Fertility 327
- X. Male and Female Nuptiality 330

CHAPTER

26**Event-History Analysis of Nuptiality:
An Application to Africa 339**

PHILIPPE ANTOINE

- I. Complexity of Marital Statuses: From Consensual Unions to Polygamy 339
- II. Nuptiality Analysis and Event-History Analysis 342
- III. First Marriage, Divorce, and Polygamy in Dakar 347

CHAPTER

27**The Complexities of Nuptiality: From
Early Female Union to Male Polygamy
in Africa 355**

PHILIPPE ANTOINE

- I. Nuptiality in Africa: Diversity and Change 355
- II. Does Polygamy Still Matter? 359

CHAPTER

28**Factors in Couple Formation 373**

THÉRÈSE LOCOH

- I. Nuptiality, Alliance, and Reproduction 373
- II. Age of Access to Sex and Age at Marriage 378
- III. Couple Formation and the Choice of Partner: From Social Control to Personal Decision 384
- IV. Life and Death of Unions 388

CHAPTER

29**Marital and Nonmarital Fertility 397**

SILVANA SALVINI AND ANTONIO SANTINI

- I. The *Ancien Regime* 398
- II. Demographic Transition 399
- III. Foundations of Marital-Fertility Analysis 400
- IV. Posttransition Societies 402
- V. New Family Structures and the Measurement of Fertility: The Problem of Heterogeneity 403
- VI. Event-History Analysis and Fertility in Multiple Unions 407
- VII. Fertility Outside Marriage and Adolescent Female Fertility 407

PART

II**BIOLOGICAL AND SOCIAL
FACTORS OF FERTILITY AT
THE LEVEL OF INDIVIDUALS
AND COUPLES 411**GRAZIELLA CASELLI, JACQUES VALLIN, AND
GUILLAUME WUNSCH

CHAPTER

30**Biological and Social Factors of Fertility:
An Overview 413**

HENRI LERIDON

- I. Fertility and Fecundity: The Vocabulary 413
- II. From One Birth to the Next: The Components of Birth Intervals 417
- III. The Menstrual Cycle as a Unit For Measurement of Time 418
- IV. Fecundability 418
- V. Duration of Pregnancy 420
- VI. The Postpartum Nonsusceptible Period 421

CHAPTER

31**The Factors of Fecundability and the Nonsusceptible Period 423**

HENRI LERIDON

- I. Ages at Menarche and at Menopause 423
- II. Fecundability 424
- III. The Frequency of Sexual Intercourse 425
- IV. Breastfeeding 425
- V. Contraception 428

CHAPTER

32**Fetal Mortality 435**

CATHERINE GOURBIN

- I. Fetal Mortality Levels 436
- II. Influence of Data Collection Methods 438
- III. Intrauterine Mortality Rates by Gestation Duration 439
- IV. The Determinants of Fetal Mortality 441
- V. Health-Care Provision and Fetal Mortality 446
- VI. Induced Abortion and Fetal Death 450

CHAPTER

33**Sterility: Causes and Treatment 457**

HENRI LERIDON

- I. From Infertility to Sterility 457
- II. Sterility and Age 458
- III. The Causes of Sterility 460
- IV. Measuring Treatment Effectiveness 461
- V. How Effective, in Practice, Are the Various Fertility Treatments? 462
- VI. Estimating the Demand for Treatment 462
- VII. The Demand for Treatment: Stocks and Flows 464

CHAPTER

34**Natural Fertility and Controlled Fertility: Levels and Models 467**

HENRI LERIDON

- I. The "Intermediate Variables" 467
- II. Results: Levels of Fertility 475

CHAPTER

35**Induced Abortion 479**

GIANPIERO DALLA ZUANNA

- I. Abortion During the Demographic Transition 479

CHAPTER

36**Demography and Sexuality 491**

MICHEL BOZON

- I. Demography's Difficult Inclusion of Sexuality 491
- II. Demographic Observation of Sexuality: Concepts, Indicators, Limitations 493
- III. Sexuality and the Transformation of Conjugal Trajectories 495
- IV. Gender Relations and Sexuality 496
- V. Cross-Cultural Comparison of Sexual Behavior: The Contribution of Demography 498

PART

III

**SOCIOECONOMIC AND
CULTURAL FACTORS
OF FERTILITY 503**

GRAZIELLA CASELLI, JACQUES VALLIN, AND
GUILLAUME WUNSCH

CHAPTER

37

**The Social and Economic Context
of Fertility 505**

HEATHER JOSHI AND PATRICIA DAVID

- I. Supply and Demand: A Framework of Factors Influencing Fertility 505
- II. Economic Explanations of Fertility Behavior 508
- III. A Sociological View 512
- IV. Questions About Fertility and Society 514

CHAPTER

38

**The Geography of Fertility:
Maps, Narratives and
Demographic Innovation 529**

RON LESTHAEGHE AND KAREL NEELS

- I. A Narrative of the Historical French Fertility Decline 530
- II. The Narrative of Belgian Demographic Innovation 538
- III. Other Narratives: An Invitation for New Research 543
- IV. Narratives and Theories of Demographic Innovation 544

CHAPTER

39

**Fertility: Theories, Frameworks,
Models, Concepts 549**

BART DE BRUIJN

- I. The Structure and Development of Fertility Theory 550

INDEX 571

Contents of Other Volumes

Volume II Contents

SECTION I DETERMINANTS OF MORTALITY

Introduction 1

GRAZIELLA CASELLI, JACQUES VALLIN, AND
GUILLAUME WUNSCH

PART I HEALTH, MORBIDITY, AND CAUSES OF DEATH 3

GRAZIELLA CASELLI, JACQUES VALLIN, AND
GUILLAUME WUNSCH

CHAPTER 40 Health, Illness, and Death 5
CATHERINE GOURBIN AND GUILLAUME WUNSCH

CHAPTER 41 Measuring the State of
Health 13

CATHERINE SERMET AND EMMANUELLE CAMBOI

CHAPTER 42 Medical Causes of Death 29
FRANCE MESLÉ

CHAPTER 43 The Assessment of Causes of Death
In Developing Countries 45

VINCENT FAUVEAU

CHAPTER 44 Dependence and Independence of
Causes of Death 57

GUILLAUME WUNSCH

CHAPTER 45 Measurement and Levels of
Maternal Mortality 61

JUDITH FORTNEY

CHAPTER 46 The Determinants of Infant Health
and Mortality 71

GODELIEVE MASUY-STROOBANT

CHAPTER 47 Relationship Between Morbidity and
Mortality By Cause 81

VIVIANA EGIDI AND LUISA FROVA

PART II ENDOGENOUS AND EXOGENOUS MORTALITY 93

GRAZIELLA CASELLI, JACQUES VALLIN, AND
GUILLAUME WUNSCH

CHAPTER 48 From Endogenous Mortality To the
Maximum Human Life Span 95

JACQUES VALLIN AND GIOVANNI BERLINGUER

CHAPTER 49 Genetic Factors in
Mortality 117

LAMBERTO SOLIANI AND ENZO LUCHETTI

CHAPTER 50 The Environmental Factors
of Mortality 129

FRANCIS SARTOR

CHAPTER 51 Behavior, Lifestyles, and
Socio-Cultural Factors of Mortality 143

JACQUES VALLIN, GRAZIELLA CASELLI, AND
PIERRE SURAULT

CHAPTER 52 The Medical Response:
Medical Technologies and Public
Expectations 171

PAOLO VINEIS

PART III THE INTRICACY OF DIFFERENTIAL MORTALITY FACTORS 175

GRAZIELLA CASELLI, JACQUES VALLIN, AND
GUILLAUME WUNSCH

CHAPTER 53 Mortality, Sex, and
Gender 177

JACQUES VALLIN

CHAPTER 54 Social Inequalities in
Mortality 195

TAPANI VALKONEN

- CHAPTER 55 Geographic Variations of Mortality 207
GRAZIELLA CASELLI AND JACQUES VALLIN
- PART IV THEORIES AND FRAMEWORKS OF MORTALITY 235
GRAZIELLA CASELLI, JACQUES VALLIN, AND GUILLAUME WUNSCH
- CHAPTER 56 Theories and Frameworks for the Study of Child Mortality 237
GODELIEVE MASUY-STROOBANT
- CHAPTER 57 The Health Transition: Trends and Prospects 247
FRANCE MESLÉ AND JACQUES VALLIN
- SECTION II THE DETERMINANTS OF MIGRATION
Introduction 261
GRAZIELLA CASELLI, JACQUES VALLIN, AND GUILLAUME WUNSCH
- PART I MAJOR MIGRATION STREAMS AND THEORIES OF INTERNATIONAL MIGRATION 265
- CHAPTER 58 International Migration in the 20th Century: The Case of the Western Countries 267
GRAZIELLA CASELLI
- CHAPTER 59 The Theories of International Migration 293
HANIA ZLOTNIK
- PART II THE PRINCIPAL FACTORS OF MIGRATION 307
- CHAPTER 60 The Economic Determinants of Migration 309
MARC TERMOTE
- CHAPTER 61 The Urbanization Process 319
DENISE PUMAIN
- CHAPTER 62 Political Pressure 333
LUC LEGOUX
- CHAPTER 63 Individual and Social Motivations For Migration 345
DANIEL COURGEAU AND ÉVA LELIÈVRE

- PART III SPECIFIC APPROACHES TO TWO PARTICULAR TYPES OF MIGRATION 359
- CHAPTER 64 Daily Travel: Approaches and Models 361
MARCO BOTTAI AND ODO BARSOTTI
- CHAPTER 65 Studying Return Migration: Data from Censuses, Surveys, and Registers 373
JEAN-LOUIS RALLU
- INDEX 381

Volume III Contents

- SECTION I POPULATION IN TIME AND SPACE: HISTORY OF POPULATION AND POPULATION FORECASTS
Introduction to Volume III 1
GRAZIELLA CASELLI, JACQUES VALLIN, AND GUILLAUME WUNSCH
- PART I THE HISTORY OF THE HUMAN POPULATION 3
GRAZIELLA CASELLI, JACQUES VALLIN, AND GUILLAUME WUNSCH
- CHAPTER 66 The History of the Human Population From the First Beginnings to the Present 5
DAY JEAN-NOËL BIRABEN
- CHAPTER 67 Migration as a Primary Force In Human Population Processes 19
DAVID COLEMAN
- CHAPTER 68 Europe's Demographic Transition, 1740–1940 41
JACQUES VALLIN
- CHAPTER 69 From the Globalization of the Transition to the Return of Uncertainty (1940–2000) 67
JACQUES VALLIN
- PART II THE GEOGRAPHY OF POPULATION, DIVERSITY OF DEMOGRAPHIC DYNAMICS 99
GRAZIELLA CASELLI, JACQUES VALLIN, AND GUILLAUME WUNSCH
- CHAPTER 70 Distribution of the World Population 101
JEAN-MICHEL DECROLY

CHAPTER 71 Demographic Dynamics and
Diversity in the World (1950–2000) 123
BRUNO SCHOUMAKER, DOMINIQUE TABUTIN, AND
MICHEL WILLEMS

PART III THE FUTURE OF POPULATIONS:
DEMOGRAPHIC ISSUES AND PROJECTIONS
FOR THE FUTURE 147

GRAZIELLA CASELLI, JACQUES VALLIN, AND
GUILLAUME WUNSCH

CHAPTER 72 Demographic Projections:
History of Methods and Current
Methodology 149
CHRISTINE WATTELAR

CHAPTER 73 Educational Forecasts: From
Derived Forecasts to the Application of the
Flow Method 161
MARLÈNE LAMY

CHAPTER 74 Hypotheses for Fertility
Forecasts 167
LUCIANO CIUCCI AND PIERO GIORGI

CHAPTER 75 Mortality Forecasts: Hypotheses
and Methods 177
GRAZIELLA CASELLI

CHAPTER 76 Hypotheses for
Migration Projections 189
ODO BARSOTTI AND ALBERTO BONAGUIDI

CHAPTER 77 The United Nations' World
Population Projections 197
JACQUES VALLIN AND GRAZIELLA CASELLI

CHAPTER 78 The Future of Mankind: Looking
Ahead After the Transition 235
JACQUES VALLIN AND GRAZIELLA CASELLI

SECTION II POPULATION AND SOCIETY
Introduction 259
GRAZIELLA CASELLI, JACQUES VALLIN, AND
GUILLAUME WUNSCH

PART I CONSEQUENCES OF DEMOGRAPHIC
CHANGE 261
GRAZIELLA CASELLI, JACQUES VALLIN, AND
GUILLAUME WUNSCH

CHAPTER 79 Population Change and
Genetic Diversity 263
ROBERT CLIQUET

CHAPTER 80 Lengthening of Life and the
Population Health Status 285
JEAN-MARIE ROBINE AND CAROL JAGGER

CHAPTER 81 Demographic Trends and
Relationships Between Generations 305
ANTONIO GOLINI

CHAPTER 82 Economic, Social, and Cultural
Consequences of the Aging of the
Population 327
JACQUES LÉGARÉ

CHAPTER 83 The Economic Consequences
of Migration 337
MANON DOMINGUES DOS SANTOS

CHAPTER 84 Immigration and Integration
in the Developed Countries: A
Conceptual Framework 349
VICTOR PICHE

CHAPTER 85 Economic Growth and
Population Growth 361
ARNAUD DELLIS AND PIERRE PESTIEAU

CHAPTER 86 Population and Development 373
JEAN COUSSY

CHAPTER 87 The Relationships between
Population and Environment 383
FRANÇOISE BARTIAUX AND JEAN-PASCAL VAN YPERSELE

PART II THE POPULATION IN ITS BIOLOGICAL,
ECONOMIC, SOCIAL AND CULTURAL
SETTING 397
GRAZIELLA CASELLI, JACQUES VALLIN, AND
GUILLAUME WUNSCH

CHAPTER 88 From the Life Cycle to Life Paths and
To Life Transitions 399
PAOLO DE SANDRE

CHAPTER 89 Experiencing Death: A
Demographic Approach 419
ALAIN MONNIER AND SOPHIE PENNEC

CHAPTER 90 Household and Family Demography:
Application to Developing Countries 435
MARC PILON

CHAPTER 91 Households and Families:
Developed Countries 457
NICO KEILMAN

- CHAPTER 92 Social Mobility: Then and Now 477
FRANÇOIS HÉRAN
- CHAPTER 93 Gender and Demography 495
ANTONELLA PINNELLI
- CHAPTER 94 Economic Activity and Demographic Behaviors 513
GIUSEPPE GESANO
- CHAPTER 95 Demography and Ethnicity: An Ambiguous Relationship 531
JEAN-LOUIS RALLU, VICTOR PICHÉ AND PATRICK SIMON
- CHAPTER 96 Genetics and Demography 551
ENZO LUCCHETTI AND ALBERTO SOLIANI
- INDEX 573

Volume IV Contents

SECTION I HISTORY OF POPULATION THOUGHTS AND POLICES

- Introduction to Volume IV 1
GRAZIELLA CASELLI, JACQUES VALLIN, AND GUILLAUME WUNSCH

PART I HISTORY OF POPULATION THOUGHT AND SHORT INTRODUCTION TO POPULATION POLICIES 3

- GRAZIELLA CASELLI, JACQUES VALLIN, AND GUILLAUME WUNSCH

- CHAPTER 97 History of Population Thought 5
ÉRIC VILQUIN

- CHAPTER 98 History of Ideas in Population since 1940 27
PAUL DEMENY

- CHAPTER 99 Ethics and Demography 39
FRANÇOIS HÉRAN

- CHAPTER 100 History of Population Policies Up to 1940 71
MICHAEL TEITELBAUM

- CHAPTER 101 An Introduction to Population Policies 83
RAIMONDO CAGIANO DE AZEVEDO ET STEFANO BALDI

PART II FROM FERTILITY CONTROL TO FERTILITY SUPPORT 93

- GRAZIELLA CASELLI, JACQUES VALLIN, AND GUILLAUME WUNSCH

- CHAPTER 102 Fertility Control in Third World Countries 95
THÉRÈSE LOCOH

- CHAPTER 103 Towards a Policy Turnaround In Low-Fertility Developing Countries? 129
MAGALI BARBIERI

- CHAPTER 104 Pronatalist Policy in Industrialized Nations 137
GUSTAVO DE SANTIS

- CHAPTER 105 The Effect of Pronatalist Policies In Industrialized Countries 147
GÉRARD CALOT

PART III DEMOGRAPHIC IMPACT OF PUBLIC HEALTH POLICIES 155

- JACQUES VALLIN AND FRANCE MESLÉ

- CHAPTER 106 Origin of Health Policies 159
FRANCE MESLÉ AND JACQUES VALLIN

- CHAPTER 107 Health Policies: What Strategies? For Whose Benefit? 173
FRANCE MESLÉ AND JACQUES VALLIN

- CHAPTER 108 Health Policies: Can the Results Be Evaluated? 211
FRANCE MESLÉ AND JACQUES VALLIN

- CHAPTER 109 Information Systems for Health Policies 249
VIVIANA EGIDI AND VITTORIA BURATTA

PART IV MIGRATION POLICIES AND MANAGEMENT OF THE POPULATION PYRAMID 261

- GRAZIELLA CASELLI, JACQUES VALLIN, AND GUILLAUME WUNSCH

- CHAPTER 110 Migration Policies 263
STEFANO BALDI AND RAIMONDO CAGIANO DE AZEVEDO

- CHAPTER 111 Economic and Social Management of the Population Pyramid 281
MICHEL LORIAUX

- PART V COUNTRY CASE STUDIES 299
 GRAZIELLA CASELLI, JACQUES VALLIN, AND
 GUILLAUME WUNSCH
- CHAPTER 112 Fifty Years of Demographic Policies
 in China: An Assessment 301
 ISABELLE ATTANÉ
- CHAPTER 113 India's Population Policy in the Face
 of Demographic Momentum 321
 JACQUES VÉRON AND S. IRUDAYA RAJAN
- CHAPTER 114 Population Policies in Mexico 335
 MARIA-EUGENIA COSIO-ZAVALA
- CHAPTER 115 Population Policy in Kenya 349
 VALÉRIE GOLAZ AND CAROLYNE WANJA NJUE
- CHAPTER 116 Population Policies in
 Côte-d'Ivoire 367
 AMOAKON ANOH
- CHAPTER 117 Population Policies in the
 United States 395
 CARL HAUB
- CHAPTER 118 Population Policy in Russia 407
 SERGUEY IVANOV, ANATOLY VISHNEVSKY, AND
 SERGEI ZAKHAROV
- CHAPTER 119 Population Policy in France
 1896–2003 435
 JEAN-CLAUDE CHESNAIS
- CHAPTER 120 World Population Growth and the
 International Community from 1950 to the
 Present Day 457
 JEAN-CLAUDE CHASTELAND
- SECTION II OBSERVATION, AUXILIARY
 METHODS, TEACHING, AND RESEARCH
 Introduction 487
 GRAZIELLA CASELLI, JACQUES VALLIN, AND
 GUILLAUME WUNSCH
- PART I OBSERVATION SYSTEMS AND INDIRECT
 ESTIMATION METHODS 489
 GRAZIELLA CASELLI, JACQUES VALLIN, AND
 GUILLAUME WUNSCH
- CHAPTER 121 Information Systems
 in Demography 493
 DOMINIQUE TABUTIN
- CHAPTER 122 Internal Migration: Observation
 and Concepts 523
 BRIGITTE BACCAÏNI
- CHAPTER 123 Conceptual Framework and Data
 Collection in International Migration 537
 CORRADO BONIFAZI AND SALVATORE STROZZA
- CHAPTER 124 Demographic Surveillance Sites 555
 GILLES PISON
- CHAPTER 125 Comparing to Understand 571
 VIVIANA EGIDI AND PATRICK FESTY
- CHAPTER 126 Methods of Historical
 Demography 597
 LORENZO DEL PANTA, ROSELLA RETTAROLI, AND
 PAUL-ANDRÉ ROSENTAL
- CHAPTER 127 Indirect Estimation Methods 619
 KENNETH HILL
- CHAPTER 128 Model Life Tables 633
 JOSIANNE DUCHÊNE
- PART II STATISTICAL ANALYSES, SPECIFIC
 TOOLS AND QUALITATIVE APPROACHES 645
 GRAZIELLA CASELLI, JACQUES VALLIN AND
 GUILLAUME WUNSCH
- CHAPTER 129 Theory Building in Demography 647
 HUBERT GÉRARD
- CHAPTER 130 Causality and Causal Models 661
 JOSIANNE DUCHÊNE AND GUILLAUME WUNSCH
- CHAPTER 131 Multidimensional Exploratory
 Analysis 671
 LAURENT TOULEMON
- CHAPTER 132 Regression Analysis 687
 LAURENT TOULEMON
- CHAPTER 133 Bridging the Gap between
 Micro-demography and Macro-demography 695
 FRANCESCO BILLARI
- CHAPTER 134 Fertility, Child Mortality, and
 Nuptiality Indicators at the Individual Level 709
 DOMINIQUE TABUTIN
- CHAPTER 135 Cohort and Period Measures of
 Fertility Based on Microdata 721
 ALBERTO PALLONI AND PAOLO DE SANDRE

CHAPTER 136 The Contribution of Qualitative
Methods to Demography 731

MICHEL BOZON

CHAPTER 137 Methods of Social
Network Analysis 745

ALEXIS FERRAND AND AINHOA DE FEDERICO DE LA RÚA

PART III HISTORY OF DEMOGRAPHIC SCIENCE,
TEACHING, AND RESEARCH 765

GRAZIELLA CASELLI, JACQUES VALLIN, AND
GUILLAUME WUNSCH

CHAPTER 138 The Origins of Demographic
Science 767

ÉRIC VILQUIN

CHAPTER 139 Demographic Textbooks and
Treatises: Some Considerations 779

ANNUNZIATA NOBILE AND ALESSANDRA DE ROSE

Appendix 1 Demographic Textbooks and Treatises
in English, French, and Italian 793

Appendix 2 Teaching Demography in the
Russian Language 799

ALEXANDRE AVDEEV AND MARIA AVDEEVA

Appendix 3 Demographic Treatises and Textbooks
in German 805

ALEXIA FÜRNKRANZ-PRSKAWETZ

Appendix 4 Demographic Treatises and Textbooks
in Spanish 809

ROSA GÓMEZ REDONDO AND
MARÍA EUGENIA COSÍO-ZAVALA

Appendix 5 Demographic Treatises and Textbooks
in Portuguese 815

ELZA BERQUÓ

Appendix 6 Demographic Treatises and Textbooks
in Dutch 817

GIJS BEETS AND JOLANDE SIEBENGA

Appendix 7 Demographic Treatises and Textbooks
in Japanese 821

SHIGEMI KONO

Appendix 8 A Selection of Demographic Treatises
and Textbooks Published in Other Languages
or Other Countries 823

MARTINE DEVILLE

CHAPTER 140
Demography Teaching and Research 825

DIONISIA MAFFIOLI

CHAPTER 141 Advantages and Limitations
of Demographic Software and
Simulation Programs 841

ANTONELLA PINNELLI AND ANNA-MARIA BIRINDELLI

CHAPTER 142 Centers of Demographic Research
and Teaching 853

DIONISIA MAFFIOLI

CHAPTER 143 Demography Viewed
by Demographers 871

MICHEL LORIAUX AND TANIA VISHNIEVSKAIA

INDEX 893