Contents

1 Introduction: The Demographic Impacts from the Great East Japan Earthquake ................................................................. 1
  1.1 The Tōhoku Earthquake and Tsunami........................................ 1
  1.2 The Demographic Impacts ..................................................... 2
  1.3 Comparing the Population Projections: Prefectures Level ........... 3
    1.3.1 Total Population .......................................................... 3
    1.3.2 Population Aging .......................................................... 4
  1.4 Comparing the Population Projections: Cities Level ................. 5
    1.4.1 Total Population .......................................................... 5
    1.4.2 Population Aging .......................................................... 6
  1.5 Impacts of the Great East Japan Earthquake ............................. 6
  1.6 About This Book .................................................................. 7
References .................................................................................. 9

2 Population Prospects in Japanese Society ......................................... 11
  2.1 From Population Growth to Decline ..................................... 11
  2.2 Changing Dependency Ratios as Indicators of Child/Elder Care Costs ................................................................................. 15
    2.2.1 Actual Value of Demographic Care Cost (Dependency Ratio) ................................................................. 15
    2.2.2 Minimum Value of Demographic Care Cost (NRR = 1.00, The Effect of Life Expectancy) .................................. 16
    2.2.3 Optimal Value of Demographic Care Cost (NRR < 1 or NRR > 1, The Effect of Fertility) ................................. 18
  2.3 Depopulation at Sub-national Level: Shrinking Regions .............. 19
    2.3.1 Population Decline at Sub-national Level ......................... 19
    2.3.2 Dependency Ratios at Sub-national Level ......................... 20
    2.3.3 Problems of the Shrinking Regions .................................. 21
    2.3.4 What means Depopulation at Sub-national Level? .......... 23
References ................................................................................. 24
3 Demographic Transition and Child/Elderly Care Cost ................. 25
  3.1 Optimal Care Cost and Net Reproduction Rate .................... 25
  3.2 Historical Change of Optimal Care Cost Curves .................. 27
  3.3 The Effects of Rising Longevity on Child/Elder Care Costs ........ 27
    3.3.1 Female Life Expectancy and Child/Elder Care Costs ........ 27
    3.3.2 Age-specific Mortalities (‰) (3 age groups) ............... 27
    3.3.3 Women’s survival rate at selected age .................... 29
References .................................................................................. 30

4 Historical Process and Background of Fertility Decline in Japan ....... 31
  4.1 Female Life Expectancy and Survival Rate of Women ............. 31
  4.2 Fertility Effects of the Rising Survival Rate of Women at Reproductive Age ...................................................... 32
  4.3 Mean Number of Children Ever Born to Women .................. 34
  4.4 Decreasing Number of Children ....................................... 35
  4.5 Causal Model of Demographic Transition in Japan ................ 36
    4.5.1 First Phase (Increase in Life Expectancy from Aged 40 to 70 Years) ....................................................... 37
    4.5.2 Second Phase (Extension of Life Expectancy Beyond Aged 70 Years) ................................................. 37
  4.6 Conditions for Recovering the Replacement Fertility Level ....... 38
References .................................................................................. 39

5 Sustainability of Japan as a Shrinking Society .......................... 41
  5.1 Increasing Conflicts on the Redistribution Between Different Social Groups .................................................. 41
  5.2 Collapse of National Finances ........................................... 43
    5.2.1 Increasing National Debt ........................................... 43
    5.2.2 Demographic Impact on National Finances ................. 45
    5.2.3 Redistribution Policies ............................................. 46
  5.3 Social Security Reform .................................................... 47
    5.3.1 Increasing Social Security Cost ................................... 47
    5.3.2 Necessary Changes to Sustainable Social Security System ...... 49
    5.3.3 Expanding Life Time and the Role of Social Security Service ................................................................. 50
References .................................................................................. 51

6 Policy Measures for a Shrinking Society .................................... 53
  6.1 Family Policies for Recovering Replacement Fertility ............. 53
    6.1.1 Social Responsibility for Reproduction ......................... 53
    6.1.2 Promotion of Gender Equality in Japan ....................... 54
    6.1.3 Family Policy Measures for the Social Reproduction ....... 55
    6.1.4 Career Design for Next Generation ............................ 55
  6.2.1 Immigration Policies ................................................................. 56
  6.2.2 Globalization of Japanese Society ........................................ 57
6.3 Selections and Re-concentration of Communities ..................... 57
  6.3.1 Sustainability of Regional Communities ............................... 57
  6.3.2 Reform of Local Administration System ................................. 58
  6.3.3 Regional Community and Inhabitants .................................... 60
  6.3.4 From Merely ‘Shrinking’ to ‘Selection and
        Concentration’ for Newly Designed National Land Use ........... 61
References ................................................................................................. 62

7 Epilogue: The Principle of the Sustainable Population ..................... 63
  7.1 The Principle of the Sustainable Population ............................... 63
  7.2 Conclusion ....................................................................................... 65
References ................................................................................................. 65
A Shrinking Society
Post-Demographic Transition in Japan
Hara, T.
2015, IX, 65 p. 27 illus., 2 illus. in color., Softcover
ISBN: 978-4-431-54809-6