

SUPPLEMENT TO THE MANUAL  
OF THE  
INSTITUTE OF POPULATION PROBLEMS  
MINISTRY OF HEALTH AND WELFARE

1960

(Activities of the Institute in 1961 and 1962)

December 1962

Institute of Population Problems  
Ministry of Health and Welfare  
Tokyo, Japan

### III. WORKS OF THE INSTITUTE OF POPULATION PROBLEMS

#### 1. Research Topics for the Fiscal Year 1962.

##### SELECTED MAJOR TOPICS

1. Demographic trends in Japan, especially trend in differential fertility.
2. Employment problems under the recent technical renovation, especially actual state of supply-demand structure of labor force.
3. Actual state of population concentration in great cities and internal migration of population.
4. Recent trend in population quality, especially that in 'human faculty'.
5. International trends in population problems, especially those in the ECAFE Region.

##### RESEARCH TOPICS FOR EACH SECTION

##### First Section, First Research Division

1. All-inclusive analysis of the population problems in Japan.
2. Population theories.
3. Reproductive structure of labor force in cities.
  - (1) Characteristics of labor market.
  - (2) Origin of labor force and its accumulation process.

##### Second Section, First Research Division

1. Intensification of industrial structure and its effects on employment.
  - (1) Actual state of accelerated economic growth as viewed from employment.
  - (2) Actual state of differential wages and household expenses by 'social classes.
  - (3) Actual state of migration and reorganization process of labor

force.

2. Demographic trends in agricultural, mountain and fishing villages.
3. Historical change in the structure and size of family.

#### Third Section. First Research Division

1. Trend in differential fertility in Japan, with special emphasis on its relation with population migration.
2. 'Human faculty'.
  - (1) Effects of disease and mortality on population activity potential.
  - (2) Actual state of low income classes as viewed from the point of social biology.
3. Socio-biological functions of population migration.

#### Fourth Section. First Research Division

1. Change in population quality.
2. Actual state of the practice of family planning.
  - (1) Practice of family planning and attitudes toward life.
  - (2) Actual state of sterility and induced abortion.
3. Demographic materials on races and ethnic groups.

#### Planning Section. Second Research Division

1. Basic demographic studies.
  - (1) Basic methods of demographic analysis.
  - (2) Construction of various kinds of life table (abridged life tables, working life tables, etc.).
  - (3) Regional analysis of population.
2. Projections of future population.
  - (1) Total population by age and sex.
  - (2) Labor force by age and sex.
  - (3) Regional populations.
3. Zonal structure in metropolitan area.
  - (1) Zonal structure centering around Tokyo.
  - (2) Zonal structures in great industrial areas other than Tokyo.

4. Internal migration, especially concentration of population in great cities.
  - (1) Regularities in population distribution and migration.
  - (2) Demographic and economic characteristics of migrants.
5. Relationship between population increase and economic development.
  - (1) Relationship between demographic and economic factors.
  - (2) Labor force as viewed from industrial composition and size of enterprises.
6. Problems of regional development as viewed from demographic aspect.
7. World population problems.
8. Other necessary study works.

Documentation Section, Second Research Division

1. Evaluation and correction of demographic statistics.
2. Study on treatment and utilization of demographic statistics.
3. Study on international demographic materials.
4. Compilation of research materials.
  - (1) Compilation of selected demographic statistics.
  - (2) Compilation of graphic materials of population and population maps.
  - (3) Compilation of bibliography of demography.
5. Editing of publications of the Institute (Organ, Annual Reports, Research Series, etc.).
6. Collection of publications, and management of library.
7. Arrangement of weekly seminar of the Institute.
8. Information service concerning demographic data and publications.

**2. Outlines of Works Undertaken in the Fiscal Years 1960 and 1961.**

A. Subjects of research in recent fiscal years (excerpt):

1960 :

- a. Demographic trends in Japan, especially recent trends in fertility.

- b. Employment problems under the recent technical renovation with special emphasis on the changing aspects of employment in various industries.
- c. Concentration of population in great cities and regional differences in demographic situation.
- d. Accumulated state of the population pressure in recent Japan.
- e. International trends in population problems, with emphasis on those in the ECAFE Region.

1961 :

- a. Demographic trends in Japan, especially recent trends in fertility.
- c. Employment problems under the recent technical renovation with special emphasis on the changing aspect of the supply-demand structure of labor force.
- c. Concentration of population in great cities and regional differences in demographic situation.
- d. Accumulated state of labor force in great cities.
- e. Recent trends in population quality, especially "human faculty".
- f. International trends in population problems, with emphasis on those in the ECAFE Region.

#### B. Field surveys:

1960 :

- a. Survey on accumulated state of population pressure.
  - 1. Survey on households of agriculture and forestry.
  - 2. Survey on employers on own account of petty industries in urban areas and their households.
  - 3. Survey on male employees working at manufacturing establishments whose workers number 30 to 99 persons and their households.
  - 4. Survey on unemployed males and their households.

1961 :

- a. Survey on populations in selected urban areas viewed from the



point of their origins.

1962 :

- a. The fourth fertility survey.

### 3. Main Publications

#### A. Annual Reports of the Institute of Population Problems

◎ Articles for No. 6, 1961

1. Review of Japan's Vital Statistics since around the Meiji Restoration. By Tatsuo HONDA.
2. Optimum Future Population of Japan—An evaluation of the recent birth rate. By Toshihiko SHIMAMURA.
3. Coefficient of Dependency Burden in the Future Population of Japan. By Hidehiko HAMA.
4. Migration Potential and Actual Migration of Population in Japan. By Minoru TACHI and Misako OYAMA.
5. Analysis of Recent Trends of Internal Migration in Japan. By Toshio KURODA.
6. Differential Net Migration by Age and Sex in Prefectures, 1920-1935 and 1950-1955. By Masao UEDA.
7. Changes in the Distribution of Births by Prefectures. By Minoru MIYAKAWA.
8. An Analysis of Changes in Mortality Structure. By Shimako OGINO.
9. Age Structure of Male Employees by Industries—Comparison of fluctuations for 1950-1955. By Kazumasa KOBAYASHI.
10. Family Structure and Consumption Pattern. By Yoichi OKAZAKI.
11. Population Trend in a Mechanized Farming Community. By Shigeru HAYASHI.
12. Cooperation Labor System and Nutrition in Farmer Population. By Sumiko UCHINO.
13. A Demographic Analysis of Higo Clan's Census Record of Men

and Cattle. By Yuichi MINAKAWA.

14. Again on the Effects of Contraception Practised by an Industrial Organization. By Hisao AOKI.
15. Problems Concerning Population Quality. By Nobuo SHINOZAKI.

© Articles for No. 7, 1962

1. Population Problem of Japan in the 1960's. By Tatsuo HONDA.
2. Pursuit of the Question of National Vitality: A preliminary meditative principle for approaching demographic philosophy. By Nobuo SHINOZAKI.
3. An Estimate of Future Labor Force in Japan: 1960-1970. By Hidehiko IIAMA.
4. Changing Age Structure of Employed Males in Japan: 1955-1960. By Kazumasa KOBAYASHI.
5. Regional Migration of Male Labor Force: Measurement and some observations. By Yoichi OKAZAKI.
6. Features of In-migrants by Age and Industry. By Masao UEDA.
7. Economic Potential of Internal Migration of Population and Its Determinant. By Minoru TACHI and Misako OYAMA.
8. Migration and Fertility. By Toshio KURODA.
9. A Comparison of Standardized Birth, Death and Natural Increase Rates of Respective Prefectures in Japan: 1955-1960. By Kiichi YAMAGUCHI.
10. On Notified Induced Abortions in Japan. By Hisao AOKI.
11. On a Change in the Pattern of Birth among Farmers: A turn in differential birth rates. By Shigeru HAYASHI.
12. Postwar Fall in Fertility at Farm Villages. By Yuichi MINAKAWA.
13. The Process of Placement of Living-in Employees in Large Cities. By Minoru MIYAKAWA.
14. Differential Impediments Caused by Chronic Diseases in Working of Urban Labor Force. By Shimako OGINO.
15. An Observation of the Postwar Out-Migration of Population at Fishing Villages. By Takayuki INOUE.

16. Some Facts about Dietical Custom of the Lowest Income Workers.  
By Sumiko UCHINO.

B. The Journal of Population Problems

◎ Articles for No.82, March 1961

1. Regional Distribution of Income and Population (1). By Minoru TACHI and Misako OYAMA.
2. A Fertility Analysis of Japanese Population (3). By Toshio KURODA.

◎ Articles for No.83, July 1961

1. Household Projections for Japan, 1960 to 1975. By Shigemi KONO.
2. A Theoretical and Empirical Study on Employment Structure. By Yoichi OKAZAKI.
3. A Somatological and Genealogical Study of the Inhabitants of a Consanguineous Community in Japan. By Nobuo SHINOZAKI.

◎ Article for No.84, Dec. 1961

1. A Somatological and Genealogical Study of the Inhabitants of a Consanguineous Community in Japan (2). By Nobuo SHINOZAKI.

◎ Article for No.85, July 1962

1. Gerhard Mackenroth's Population Theory (1). By Yuichi MINAKAWA.

◎ Articles for No.86, Dec. 1962

1. Modernization of Agriculture and Agricultural Population. By Shigeru HAYASHI.
2. Gerhard Mackenroth's Population Theory (2). By Yuichi MINAKAWA.



### C. Research Series

Number	Subject	Date of Issue
No. 139	The 13th Abridged Life Table (April 1. 1959-March 31. 1960)	Oct. 1960
No. 140	Future Population Estimates by Prefectures, Japan (Provisional) for 1965 and 1970.	May 1961
No. 141	Recent Trends of Emigration from Japan to Three South American Countries: Bolivia, Brazil and Paraguay.	June 1961
No. 142	Regional Structure of Population in the Metropolitan Region (1)—On the Concentric Circle of Capital Region in Japan: Area, Population and Population Density for 1950, and 1960, and Population Growth Rate for 1950-1960.	Nov. 1961
No. 143	The 14th Abridged Life Table (April 1. 1960-March 31. 1961).	Nov. 1961
No. 144	Recent Studies on the Relationship between Population Growth and Economic Development—Professor A. Sauvy's contribution.—	Feb. 1962
No. 145	Population Estimates by Sex and Age from 1870's to 1920.	Feb. 1962
No. 146	Changes in the Age Structure of Working Population in Japan.	
No. 147	Socioeconomic Characteristics of Dietetic Custom among Urban Workers—Part of the results of the 1960 field survey on population pressure—	March 1962
No. 148	Recent Studies on Employment Projections in France (1).	March 1962
No. 149	An Introduction to the Study on Demographic Change and Economic Growth.	April 1962

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|---------|--|------|------|
| No. 150 | The 15th Abridged Life Table (April 1, 1961–March 31, 1962).                             | Aug. | 1962 |
| No. 151 | Estimates of Future Labor Force Population in Japan, 1960–1970.                          | Oct. | 1962 |
| No. 152 | Structural Change of Fertility Behavior in European Population and Overseas Descendants. | Oct. | 1962 |
| No. 153 | Latest Demographic Statistics, Vol. III, International Demographic Statistics, Part 2.   | Dec. | 1962 |

#### E. English Research Series

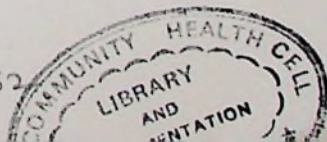
(Publications from Nos. 1 to 44 shown here were listed in the Manual of the Institute 1960, pp. 38-40, but here they are rearranged under a new serial numbering. Old numbers are shown in brackets for reference.)

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| No. 1 | Population problem of Japan. By A. Okasaki. Sep. 1948. [Extra-No.1]   |
| No. 2 | Food crisis and birth control. By A. Okasaki. Sep. 1948. [Extra-No.2]   |
| No. 3 | Population trends of Japan in Tokugawa Era—Total population. By N. Sekiyama. Sep. 1948. [A-No.2(a)]                         |
| No. 4 | Population trends of Japan in Tokugawa Era—Some data of vital statistics. By N. Sekiyama. Sep. 1948. [A-No.2(b)]            |
| No. 5 | Estimation of future population of Japan from 1935 to 2025—Estimated in 1940—. By T. Nakagawa. Sep. 1948 [A-No.3]           |
| No. 6 | The influence of the improvement of death rate to tuberculosis on the future population of Japan. By T. Shimamura. [A-No.4] |
| No. 7 | Estimated population by sex and ages in the inter-census years, 1916–1938. By M. Tachi & Y. Kubota. Sep. 1948. [A-No.5]     |
| No. 8 | Demographic situation of population movement in Japan, 1920–1937. By M. Tachi, M. Ueda & Y. Kubota. Sep. 1948.              |

[A-No. 6]

- No. 9     Standardized birth, death, and natural increase rate by prefectures, 1920, 1925, 1930 and 1935. By M. Tachi & M. Ueda. Sep. 1948. [A-No. 7]
- No. 10    Standardized birth, death, and natural increase rate by rural and urban districts, 1920, 1925, 1930 and 1935. By M. Tachi & M. Ueda. Sep. 1948. [A-No. 8]
- No. 11    Standardized birth, death, and natural increase rate of 127 cities in 1935. By M. Tachi & M. Ueda. Sep. 1948. [A-No. 9]
- No. 12    Birth intervals according to birth order—A research from the result of investigation on fertility surveyed in 1940. By A. Okasaki. Sep. 1948. [A-No. 11]
- No. 13    An observation on the difference of actual formation of marriage and its official registration in Japan. By A. Okasaki. Sep. 1948. [A-No. 13]
- No. 14    On the relation between increase of productive power and growth of population by districts in Japan, 1925-1935—An "index number of population pressure" by prefectures. By M. Tachi. Sep. 1948. [B-No. 1]
- No. 15    Investigation on the differential fertility by marriage ages, duration of married life, level of education, occupations and economic ranks of husband and wife—Surveyed in 1940—. By A. Okasaki. Sep. 1948. [B-No. 2]
- No. 16    Research on difference in fertility as occupation of wives varies—Surveyed in 1943—. By T. Shimamura. Sep. 1948. [B-No. 3]
- No. 17    Investigation on the fertility of Koreans in Japan—Surveyed in 1940, about 48,000 couples—By E. Koyama. Sep. 1948. [B-No. 5]
- No. 18    Investigation on the differential death rate by economic ranks—Surveyed in 1940—By T. Nakagawa. Sep. 1948. [B-No. 6]
- No. 19    Investigation on the expenses to have new home—Surveyed in 1940 and 1941—By A. Okasaki. Sep. 1948. [B-No. 8]

- No. 20 Investigation on the regional scope in which marriages are made—Surveyed in 1941—. By A. Okasaki. Sep. 1948. [B-No.9]
- No. 21 Investigation on the rearing cost of children—. Report of the 1st survey in Feb. 1943—. By N. Sekiyama. Sep. 1948. [B-No.10(a)]
- No. 22 Investigation on the rearing cost of children—2nd survey in Nov. 1943—. By T. Honda. Sep. 1948. [B-No.10(b)]
- No. 23 Investigation on the rearing cost of children—On the result of 3rd survey—. By K. Mikuni. Sep. 1948. [B-No.10(c)]
- No. 24 The investigation on the actual state of practice of contraception in Japan—Surveyed in 1947. By N. Shinozaki. Sep. 1948. [B-No.11]
- No. 25 Birth place composition of population of 109 cities in 1930. By M. Tachi & M. Ueda. Sep. 1948. [B-No.12]
- No. 26 An observation on the correlation between standardized birth, death, and natural increase rate and some indices concerning social mode of life by prefectures, 1920, 1925, 1930 and 1935. By M. Tachi, M. Ueda & Y. Kubota. Sep. 1948. [B-No.13]
- No. 27 An observation on the correlation between standardized birth, death, and natural increase rate and some indices concerning characteristics of cities, 1935. By M. Tachi, M. Ueda & Y. Kubota. Sep. 1948. [B-No.14]
- No. 28 Fundamental differences of population phenomena by the size of communities, 1925, 1930 and 1935. By M. Tachi & M. Ueda. Sep. 1948. [B-No.15]
- No. 29 The investigation on mixed blood families of Micronesian-European or other—As the materials of eugenics from a viewpoint of physical anthropology—Surveyed in 1941. By N. Shinozaki. Sep. 1948. [B-No.1]
- No. 30 Eugenic investigation on the inbreeding families—Surveyed in 1943. By N. Yokota & N. Shinozaki. Sep. 1948. [C-No.2]



- No. 31 Maternal death in Japan—Analysis of the official statistical data from 1899 to 1938 By N. Kasama. Sep. 1948.
- No. 32 The population of Japan and countermeasures. By A. Okasaki. Aug. 1949.
- No. 33 Effects of the late war upon the population of Japan. By A. Okasaki. Nov. 1949.
- No. 34 Fertility of the farming population in Japan. By A. Okasaki. Aug. 1951. [A-No.14]
- No. 35 White paper on Japanese population. Aug. 1951.
- No. 36 Fertility of salaried men in the urban Area. By A. Okasaki. July 1952. [A-No.16]
- No. 37 Fertility of Japanese women based on results of Population Census of 1950. By A. Okasaki. July 1952. [A-No.17]
- No. 38 Eugenic study of a village featured by consanguineous marriages: A report of survey in 1943 at Narata, Nishiyama-mura, Minamikoma-gun, Yamanashi Prefecture in Japan. By N. Shinozaki. June 1955.
- No. 39 An analysis of postwar fertility in Japan—Renewed tabulation of result of the Fertility Survey of 1952—. By T. Honda. Sep. 1956. [A-No.18]
- No. 40 Population problems in postwar Japan—Now facing their transitional difficulties—. Vol. I. By T. Honda. Jan. 1957. [A-No.20]
- No. 41 Population problems in postwar Japan—Now facing their transitional difficulties—. Vol. II. By T. Honda. April 1957. [A-No.21]
- No. 42 Marital dissolutions by divorce in Japan. By A. Okasaki.
- No. 43 Growth of urban population in Japan. By A. Okasaki. June 1957.
- No. 44 The actual state of spread of birth control in suburbs of Tokyo—To analyse the conditions of it—. By N. Shinozaki. July 1957.
- No. 45 Report on sexual life of Japanese. By N. Shinozaki. July



1957. (C-No.11)

- No. 46 National Statement of Japan at Inaugural Conference, Regional Centre for Demographic Research and Training in Asia and the Far East to be held on November 5—9, 1957 in Bombay, India. By M. Tachi. Nov. 1957.
- No. 47 A fertility survey in Japan of 1952. By A. Okasaki. Dec. 1957.
- No. 48 A survey of spread of birth control. By T. Honda. Dec. 1957.
- No. 49 Trends in population growth and economic development in Japan. (Presented to the Seminar on "The Problems of Population Growth in Under-developed Countries and the Desirability of Family Planning", held by the Institute of Development Economics, Karachi, in cooperation with the Population Council, Inc., New York, 8th to 13th September, 1959, Karachi). By M. Tachi & T. Kuroda. Sep. 1959.
- No. 50 Population trend and economic growth in Japan. Reprint of the paper presented to the Round Table on Economic Development with Special Reference to East Asia of International Economic Association, April 1960. By M. Tachi. April 1960.
- No. 51 Summary of "potential of metropolitan concentration of population from the viewpoint of interrelationship between regional distribution of income and that of population". By M. Tachi. July 1960.
- No. 52 Eugenic Protection Law in Japan (Latest Revised Edition). Aug. 1960.
- No. 53 Recent population trends in Japan. Paper presented to "UN/FAO Regional Census Training Centre for Asia and the Far East" (September 9, 1958). By M. Tachi. Sep. 1958.
- No. 54 A note of the present situation and future potentialities of vital statistics and civil registration procedures of atomic-bomb sufferers for genetic and radiation studies in Japan. Paper presented to the "Seminar on Use of Vital and Health

Statistics for Genetic and Radiation Studies" sponsored by UN and WHO, September 5 to 9, 1960. Geneva. By T. Kuroda. Sep. 1960.

- No. 55      Forecasting manpower resources: Population and labor force—Some experiences in Japan. By M. Tachi. Oct. 1962.

F. French Research Series

- No. 1      Les mort-nés au Japon dans ces dernières années. By A. Okasaki. Aug. 1951.
- No. 2      La grande industrie et la population des ouvriers d'usine du Japon. By A. Okasaki. 1954.
- No. 3      Sur les indices de santé. By A. Okasaki. Nov. 1956.