



China's 2010 Population Census: Some Operational Considerations and Initial Findings

National Bureau of Statistics of China



Population Census in China

First Census: 1953 Population: 594.53 million

Second Census: 1964 Population: 694.58 million

Third Census: 1982 Population: 1008.18 million

Fourth Census: 1990 Population: 1133.68 million

Fifth Census: 2000 Population: 1265.83 million



Challenges for Census-taking in China

- **Difficulty in Counting Migrant Population**
- **Greater Residence-registration
Inconsistency**
- **Lower Cooperation from Respondents**
- **Under-reporting of Births**
- **Difficulty in Recruiting Enumerators**



New Characteristics for 2010 Population Census

- **Stronger Legal Basis:**

 - Regulations on Population census*

 - Specifies objectives, principles and methods

 - More emphasis on rights of respondents

 - Stronger protection of privacy



New Characteristics for 2010 Population Census

- **New Definition of Respondents**
 - ***de Facto* approach (as compared with *de jure* approach used in 2000 census)**
 - **information also collected at the place of household registration (*de jure*) for outgoing migrants**
 - **operationally easier for enumerators**
 - **more information on migration**



New Characteristics for 2010 Population Census

Census questionnaire:

Combination of long form (10%) and short form (90%)

Short form : 6 household items, 12 individual items

Long form: 19 household items, 28 individual items



Short Form: Household Items (6)

- **H1: household no.**
- **H2: type of household (family, collective)**
- **H3: number of persons**
- **H4: births and deaths during last 12 months**
- **H5: floor space of housing**
- **H6: number of rooms**



Short Form: Individual Items (12)

- **R1: name**
- **R2: relation with head of household**
- **R3: gender**
- **R4: date of birth**
- **R5: nationality (ethnic group)**
- **R6: place of residence at reference time**
- **R7: place of household registration**
- **R8: duration since leaving place of household registration**
- **R9: reason for leaving place of household registration**
- **R10: nature of household registration (agri. vs non-agri)**
- **R11: ability to read**
- **R12: education attainment**



Long Form: Household Items (17)

- **H1-H4: same as in short form**
- **H5: nature of housing**
- **H6: floor space of housing**
- **H7: number of rooms**
- **H8: type of building (single or multi-floor)**
- **H9: construction of building**
- **H10: time when building was constructed**
- **H11: with/without access to pipe water**
- **H12: fuel for cooking**
- **H13: with/without kitchen**
- **H14: with/without toilet**
- **H15: with/without hot water bathing facility**
- **H16: source of housing**
- **H17: monthly rent (in case of renting)**



Long Form: Individual Items (28)

R1-R12: for all persons

- **R1-R9: same as in short form**
- **R10: nature of residence at household registration (urban/rural)**
- **R11: nature of household registration (agri. vs non-agri)**
- **R12: place of birth**

R13: (persons aged 5 and over)

- **R13: address of residence 5 years ago**

R14-16: (persons aged 6 and over)

- **R14: ability to read**
- **R15: education attainment**
- **R16: status of completion of education**



Long Form: Individual Items (28)

R17-25: (persons aged 15 and over)

- **R17: status of employment**
- **R18: industry**
- **R19: occupation**
- **R20: reason for not working**
- **R21: whether having looked for work during last 3 months**
- **R22: able/unable to work in 2 weeks if given a job**
- **R23: sources of living**
- **R24: marital status**
- **R25: date of first marriage**



Long Form: Individual Items (28)

R26: (woman aged 15-64)

- **R26: number of births (male, female) and number of children surviving (male, female)**

R27: (woman aged 15-50)

- **R27: fertility status during last 12 months (with/without births, month when giving first or second and more birth, gender of baby)**

R28: (persons aged 60 and over)

- **R28: health condition**

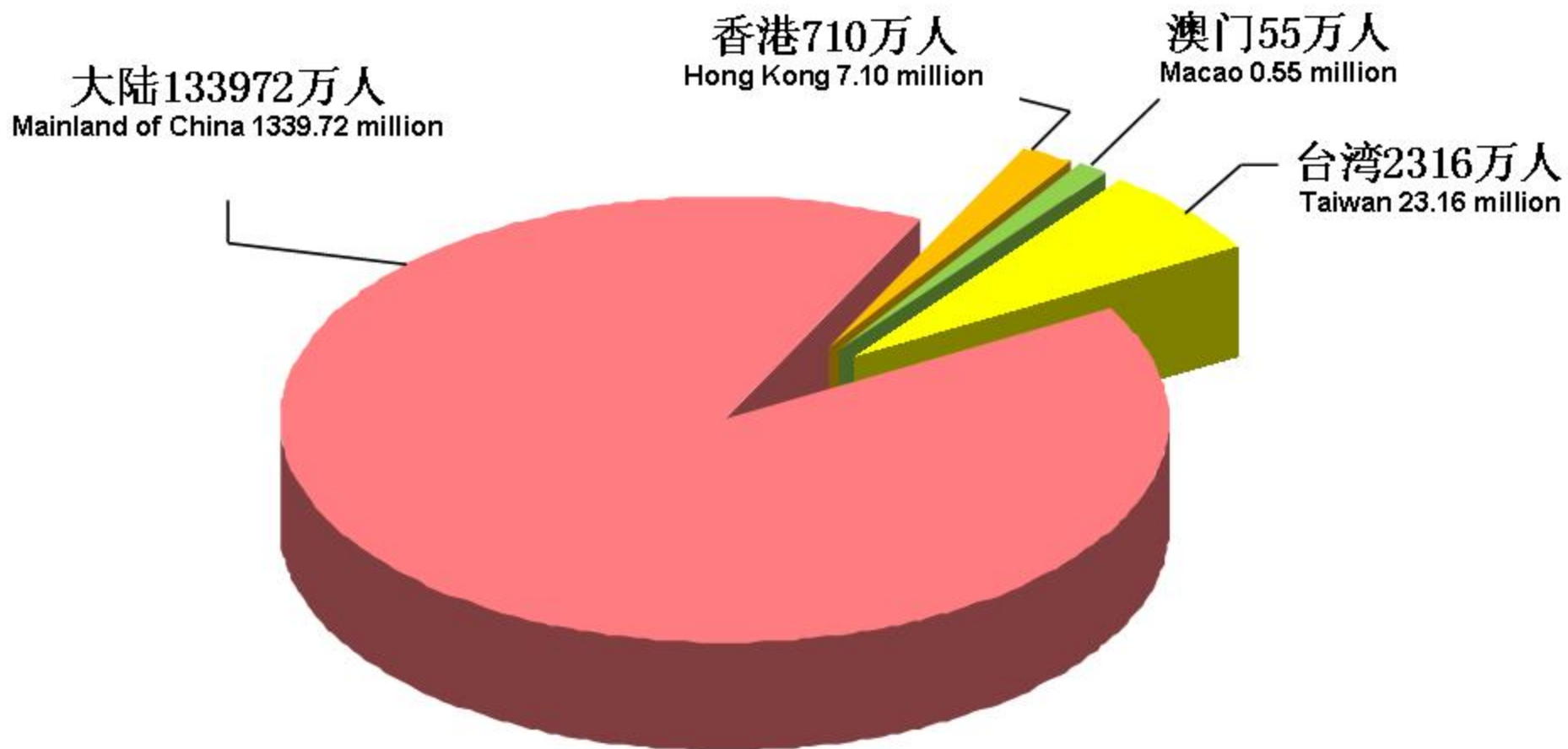


New Characteristics for 2010 Population Census

- **International Migration**
- **Image-based delimitation and mapping of census areas**
- **Use of Administrative Records**
- **Data Capturing and Processing**



National Population





Total Population of 2010 Census

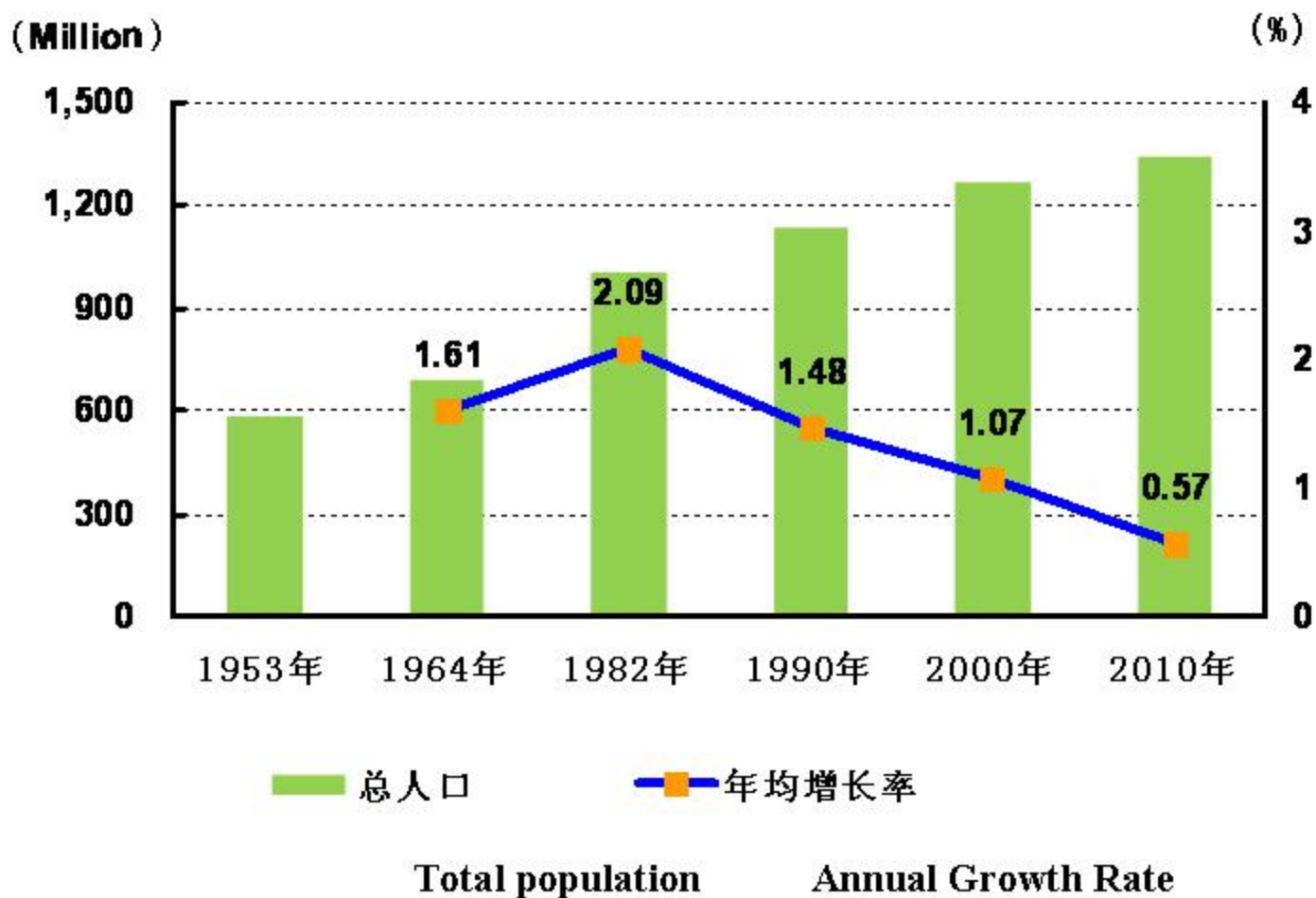


此图仅用于数据展示



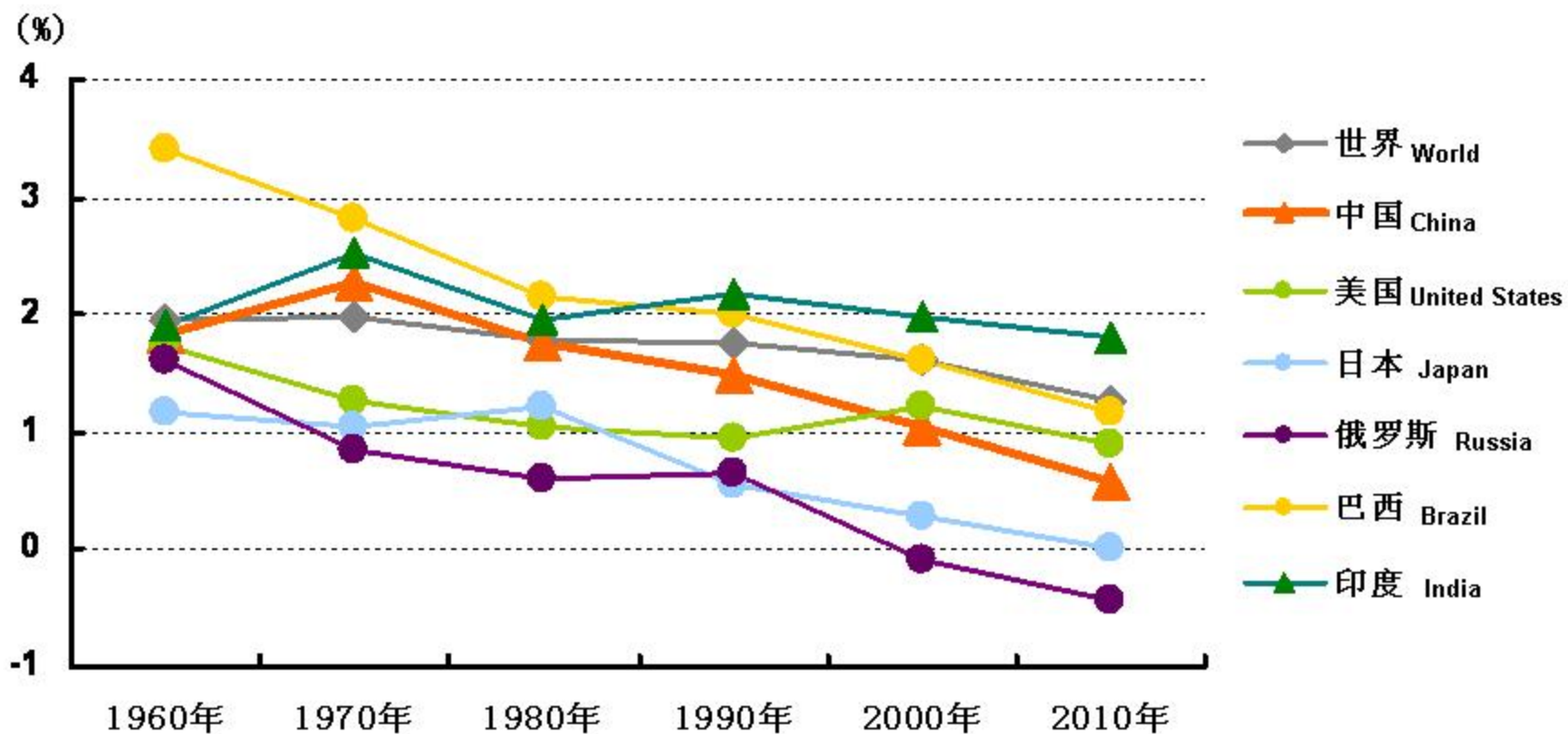


Total Population and Annual Growth Rate from Population Censuses



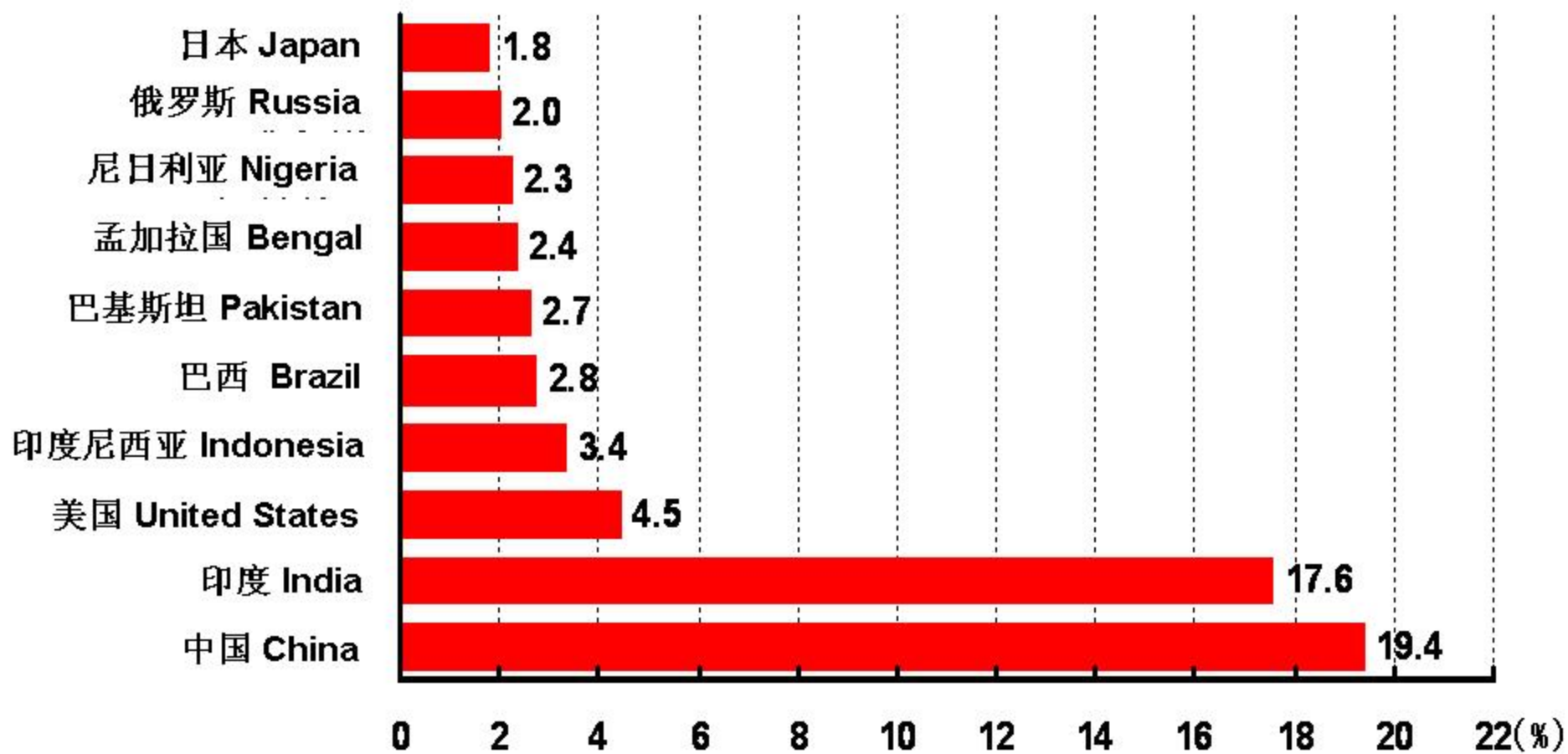


Annual Growth Rate of Selected Countries



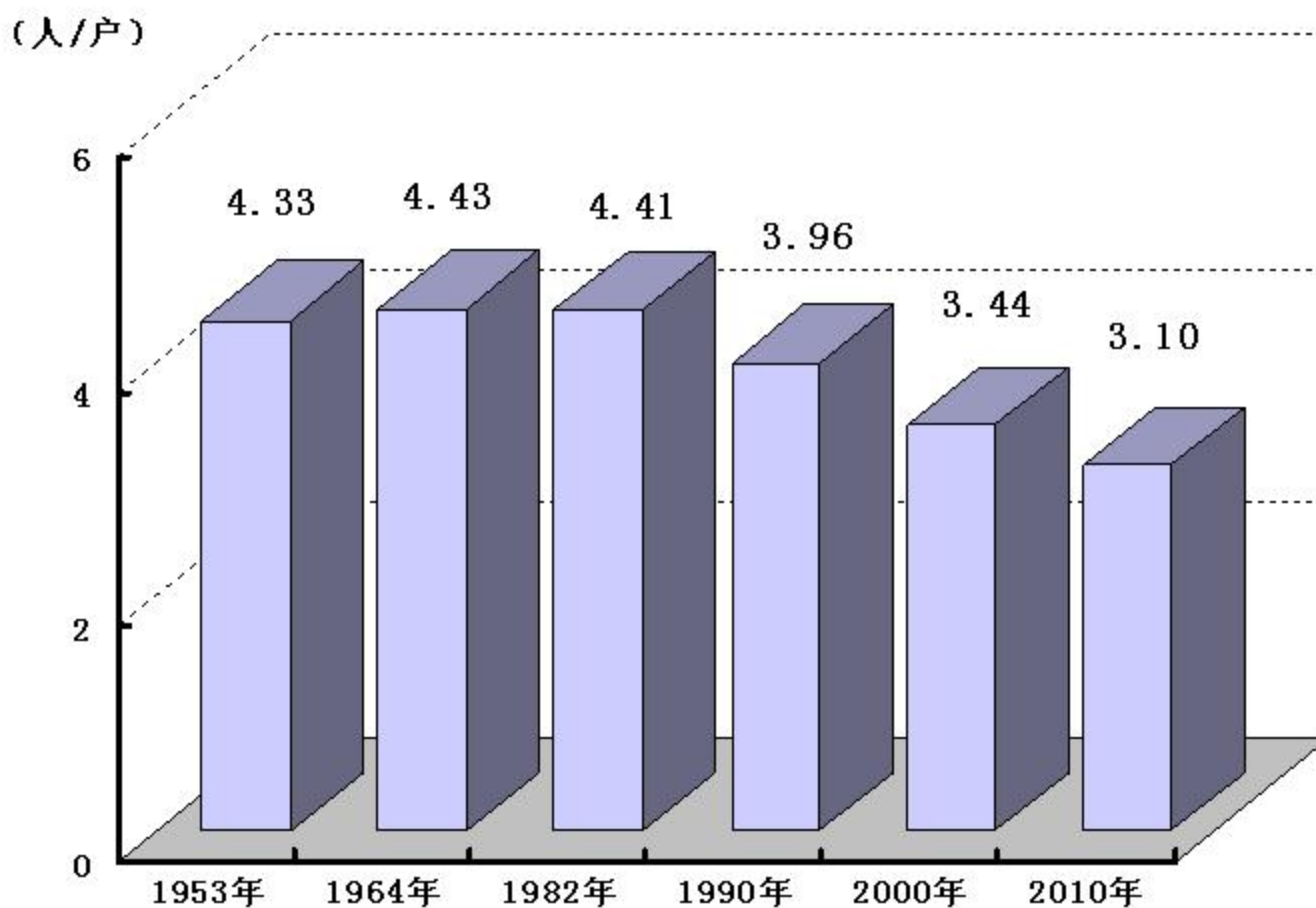


Share of Top 10 Countries with the Largest Population



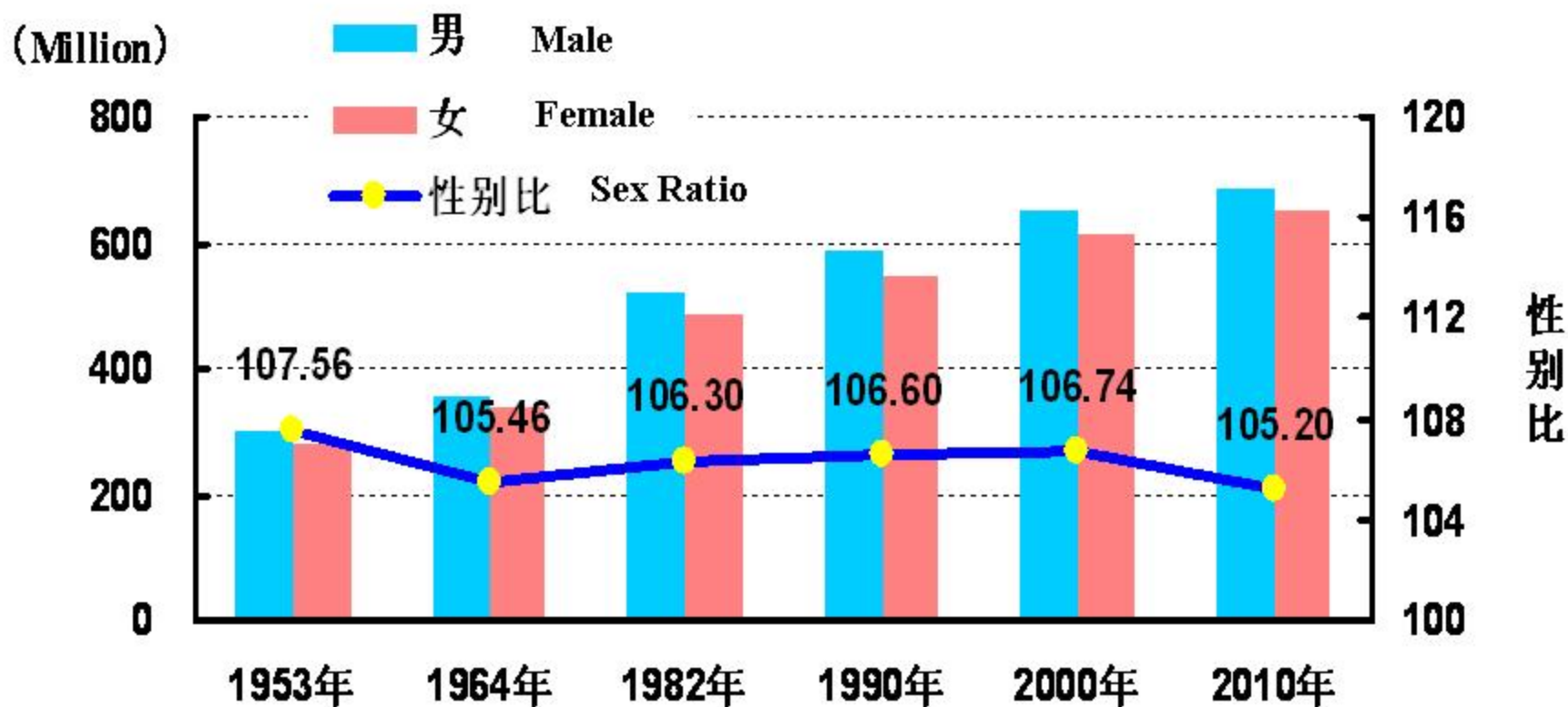


Average Size of Family Households from Population Censuses



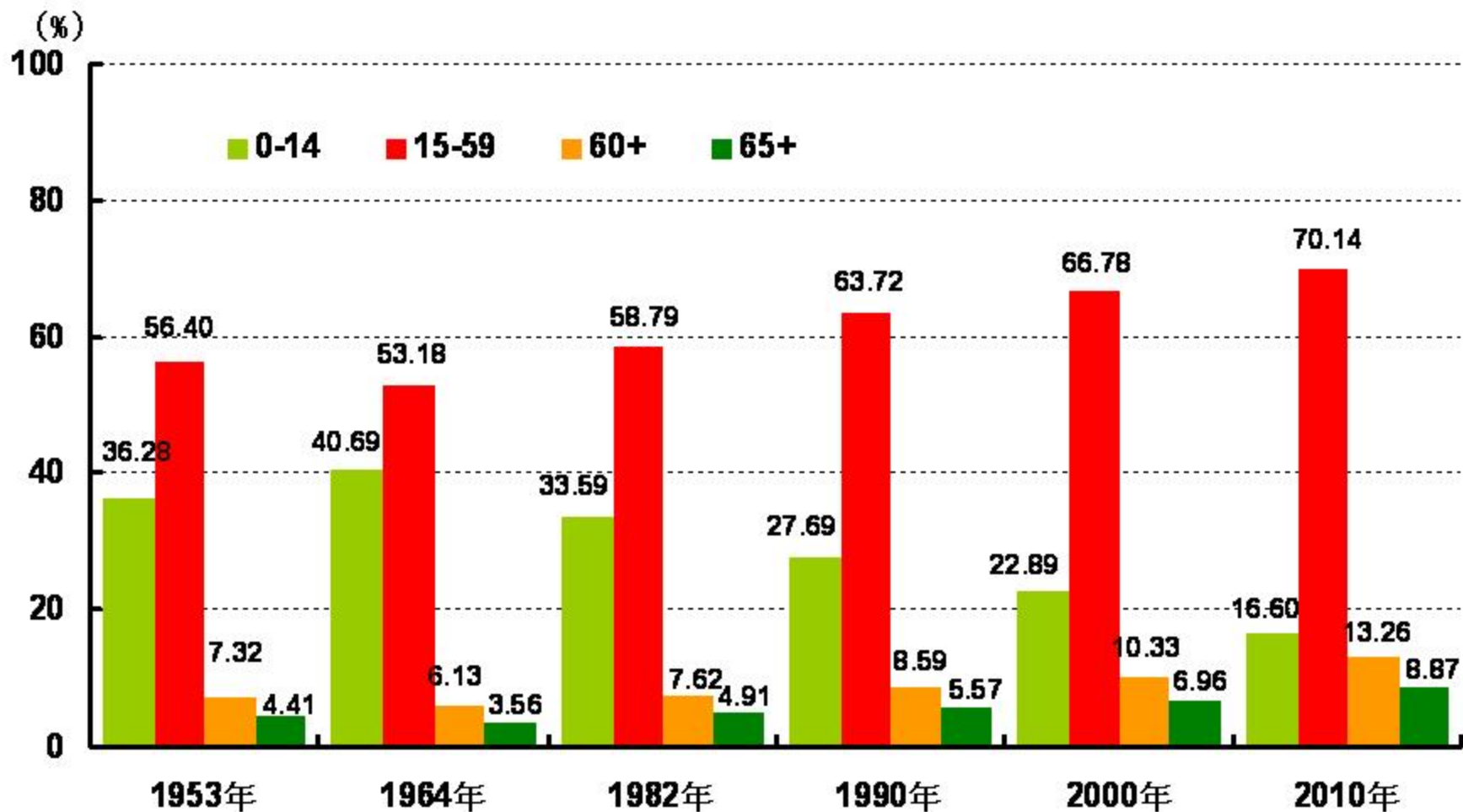


Sex Composition from Population Censuses





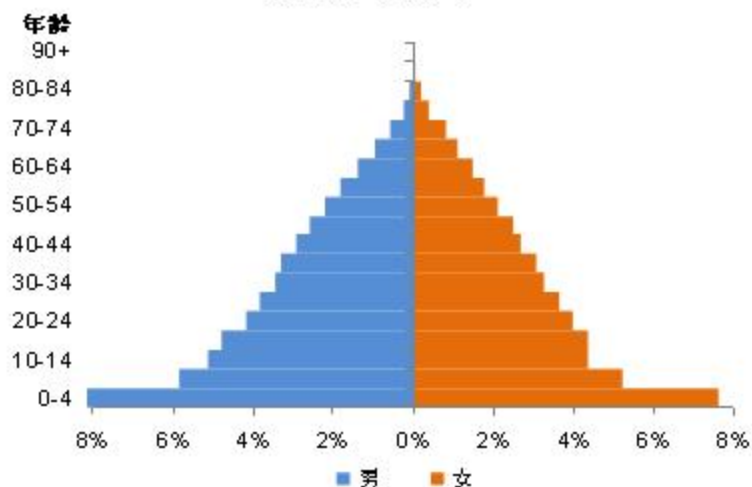
Age Composition from Population Censuses



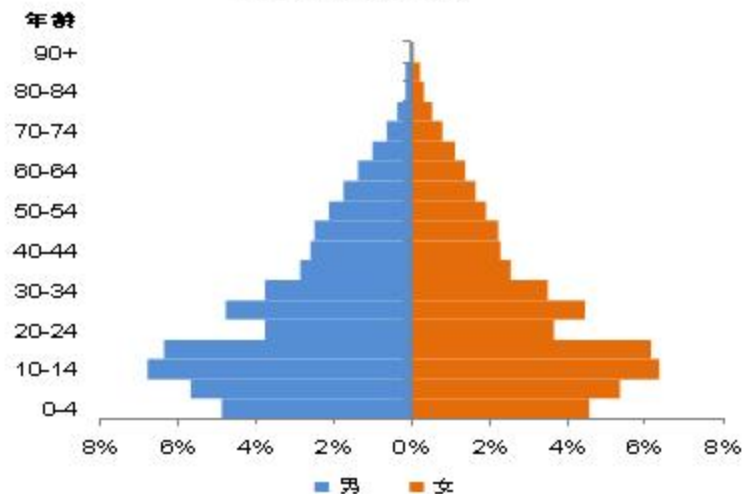


Age Pyramid from Population Censuses

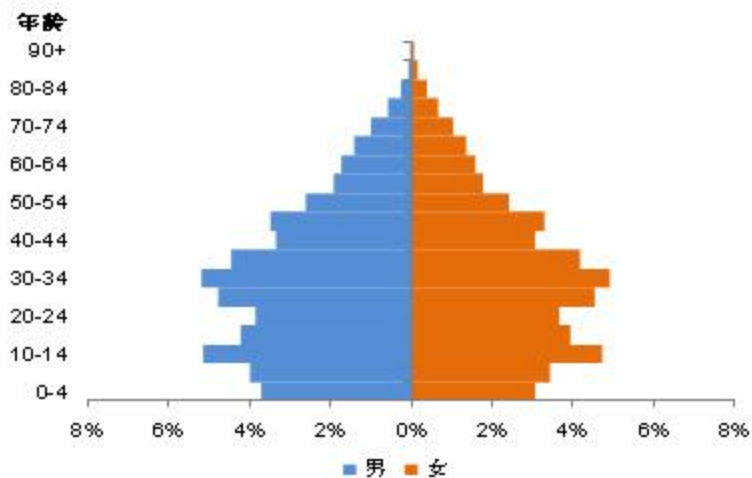
1953人口金字塔



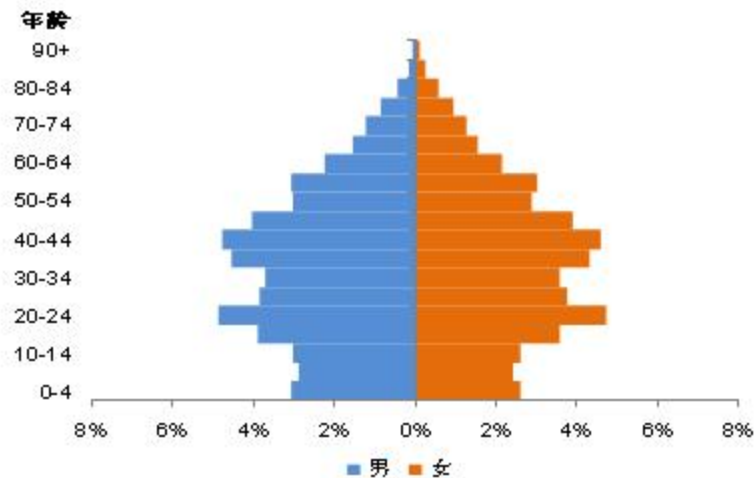
1982人口金字塔



2000人口金字塔

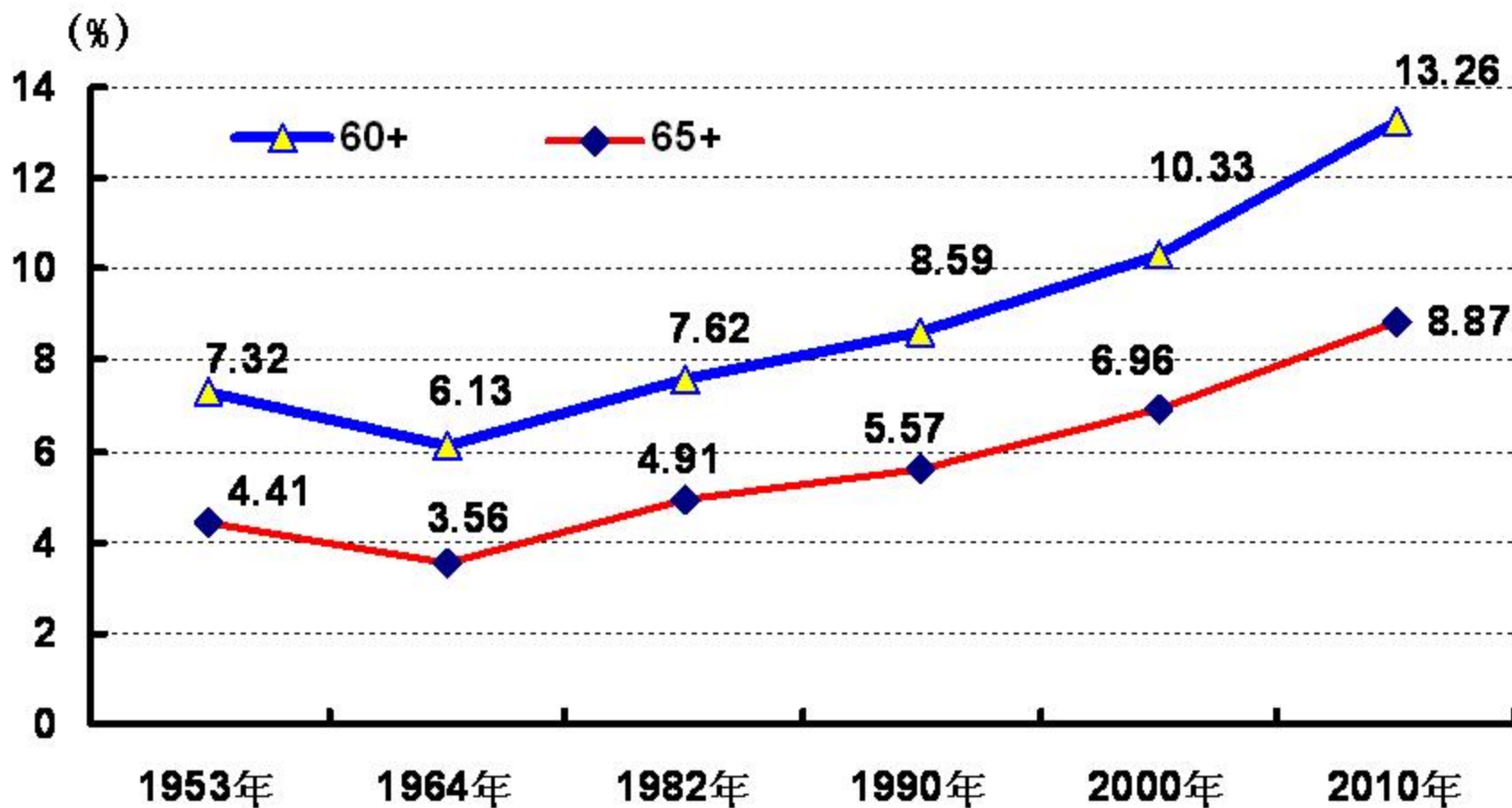


2010人口金字塔



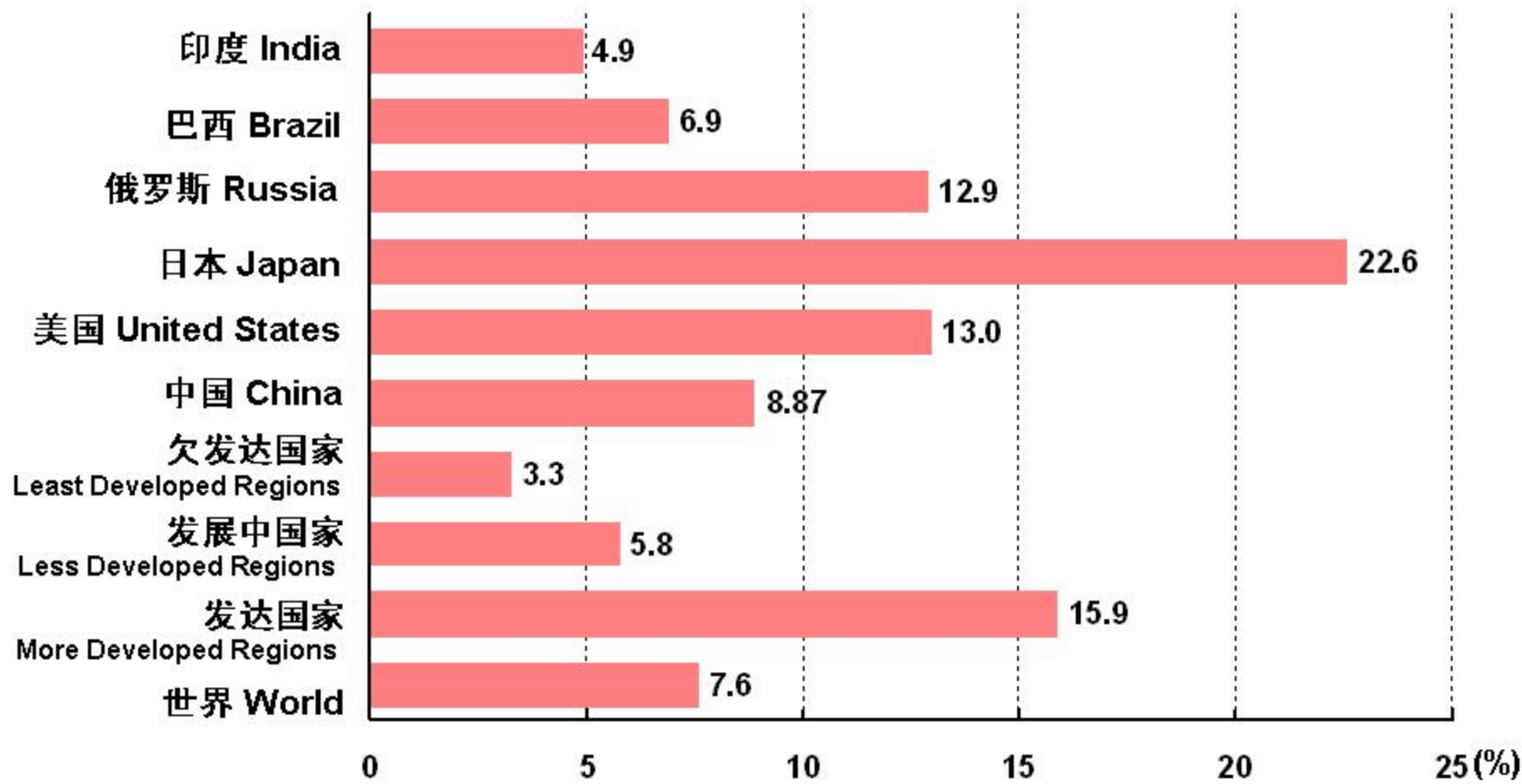


Proportion of Population Aged 60+ and 65+ from Population Censuses



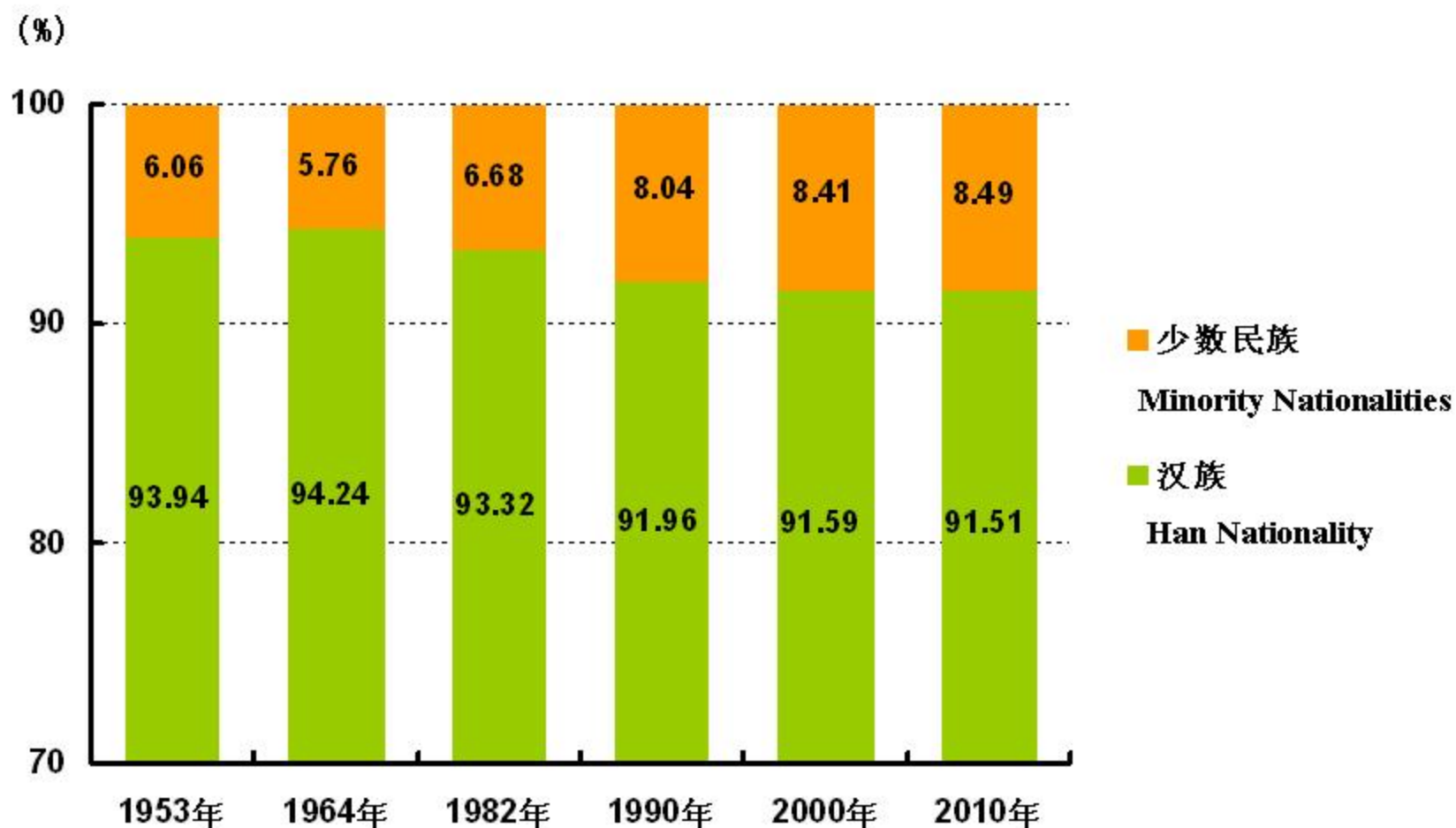


Proportion of Population Aged 65+ of Selected Countries and Regions in 2010



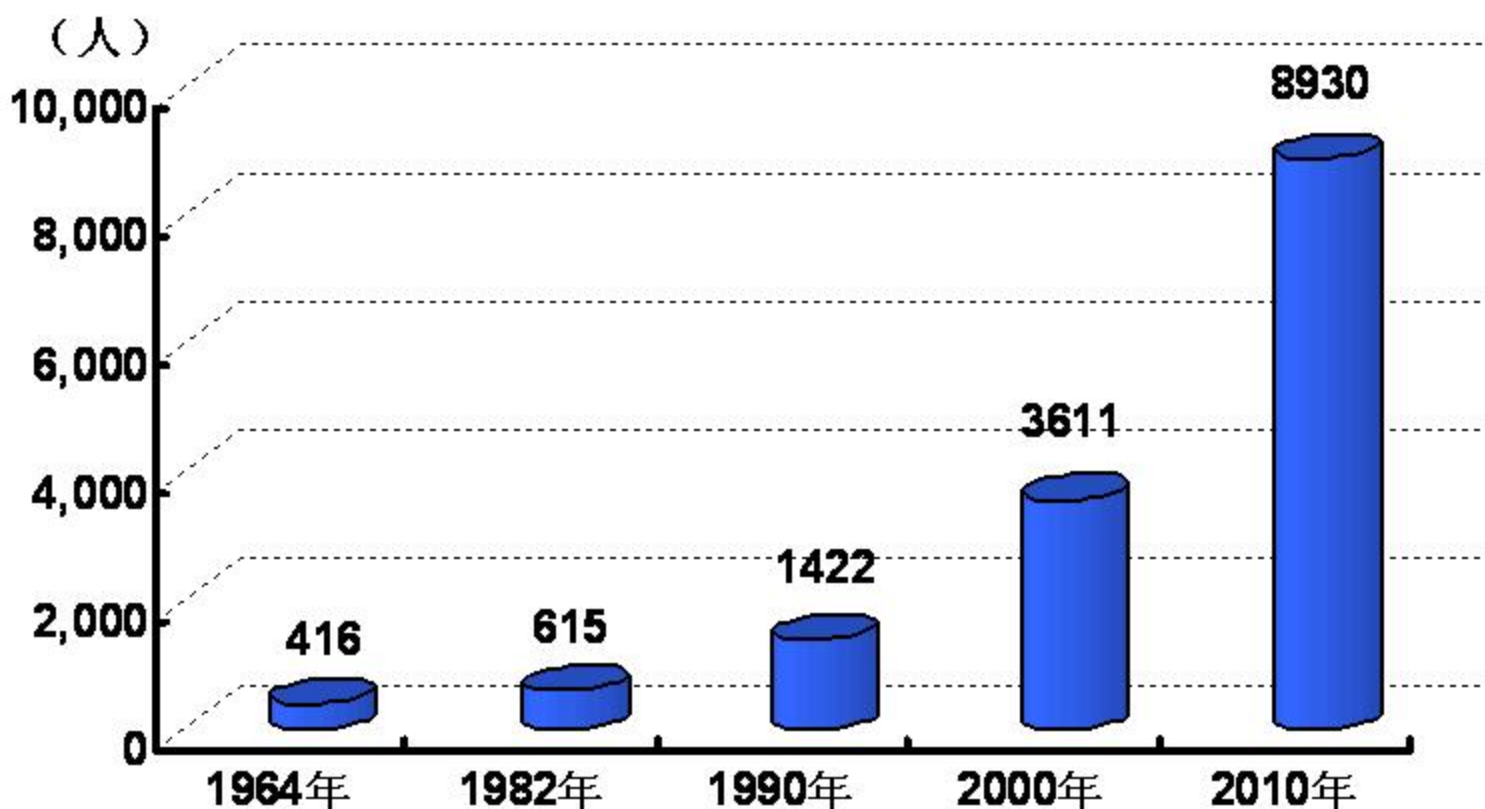


Composition of Nationalities from Population Censuses



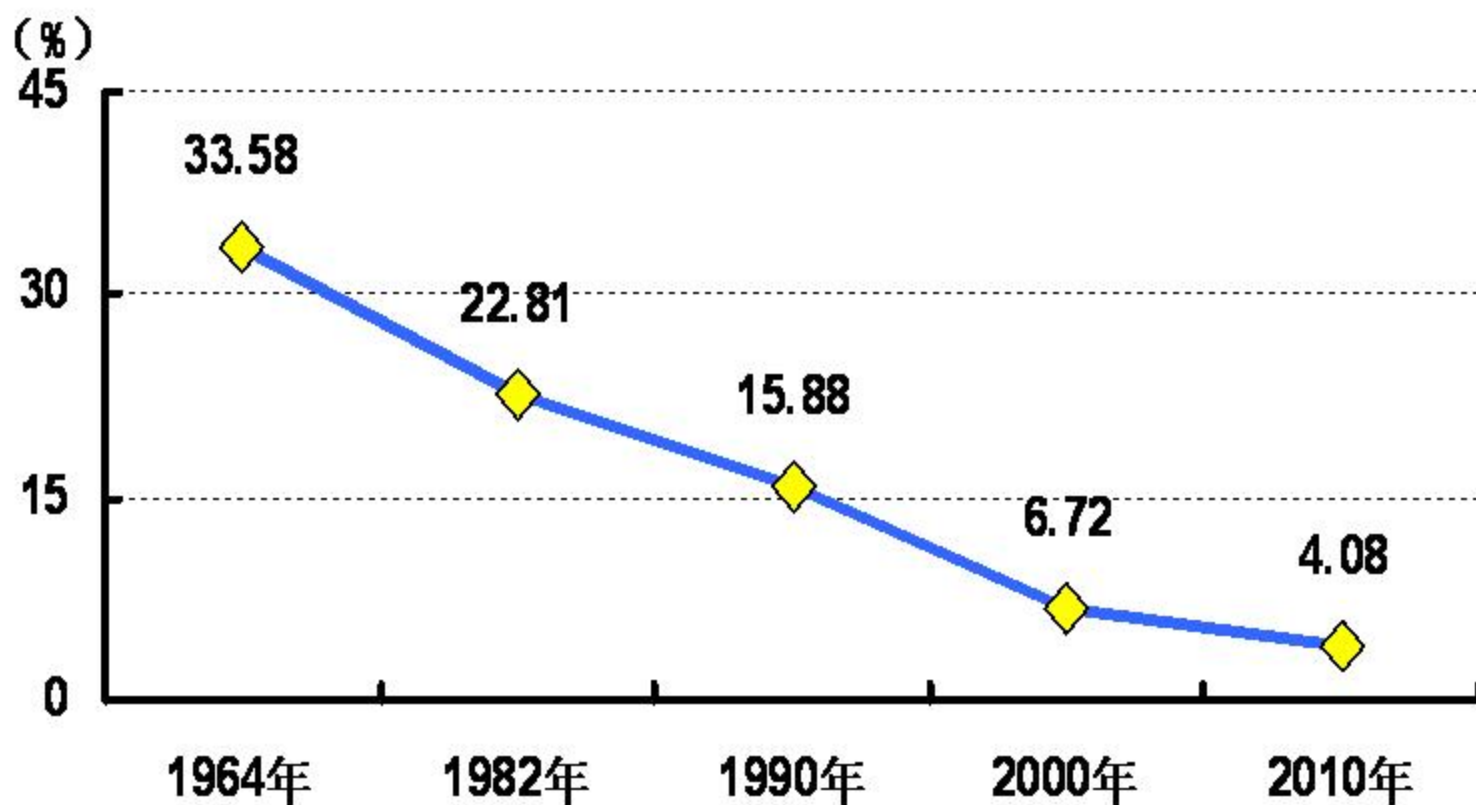


Population with College Education Per 100,000 Persons from Population Censuses



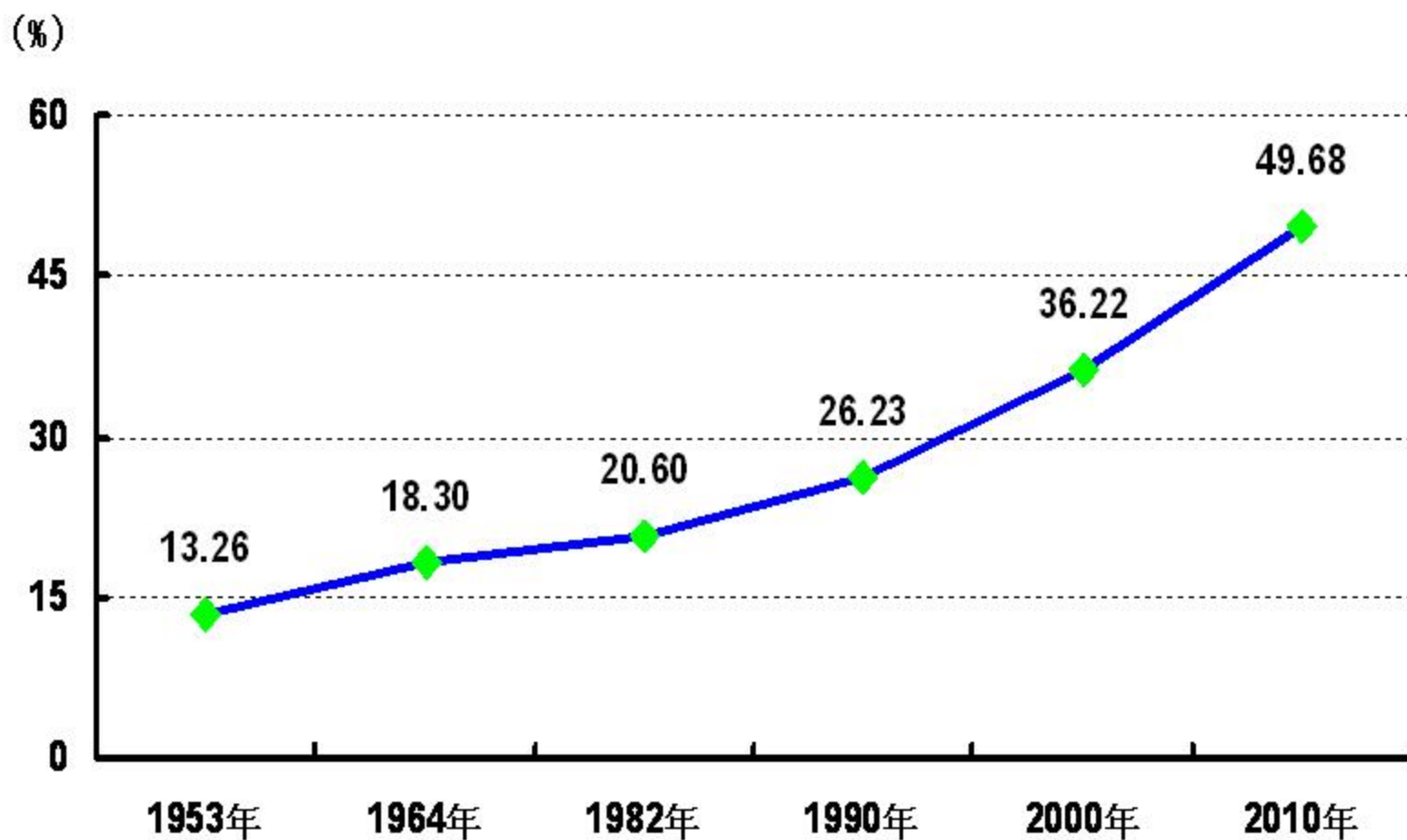


Illiterate Rate from Population Censuses



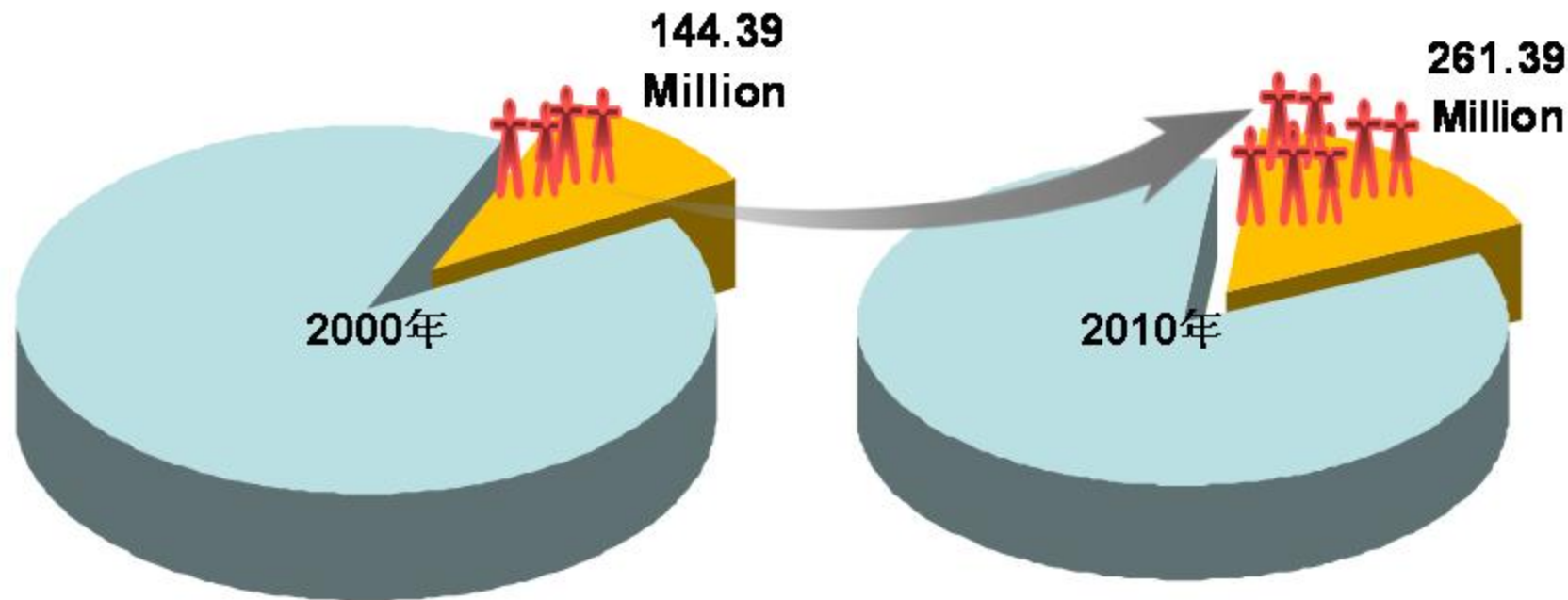


Proportion of Urban Population from Population Censuses





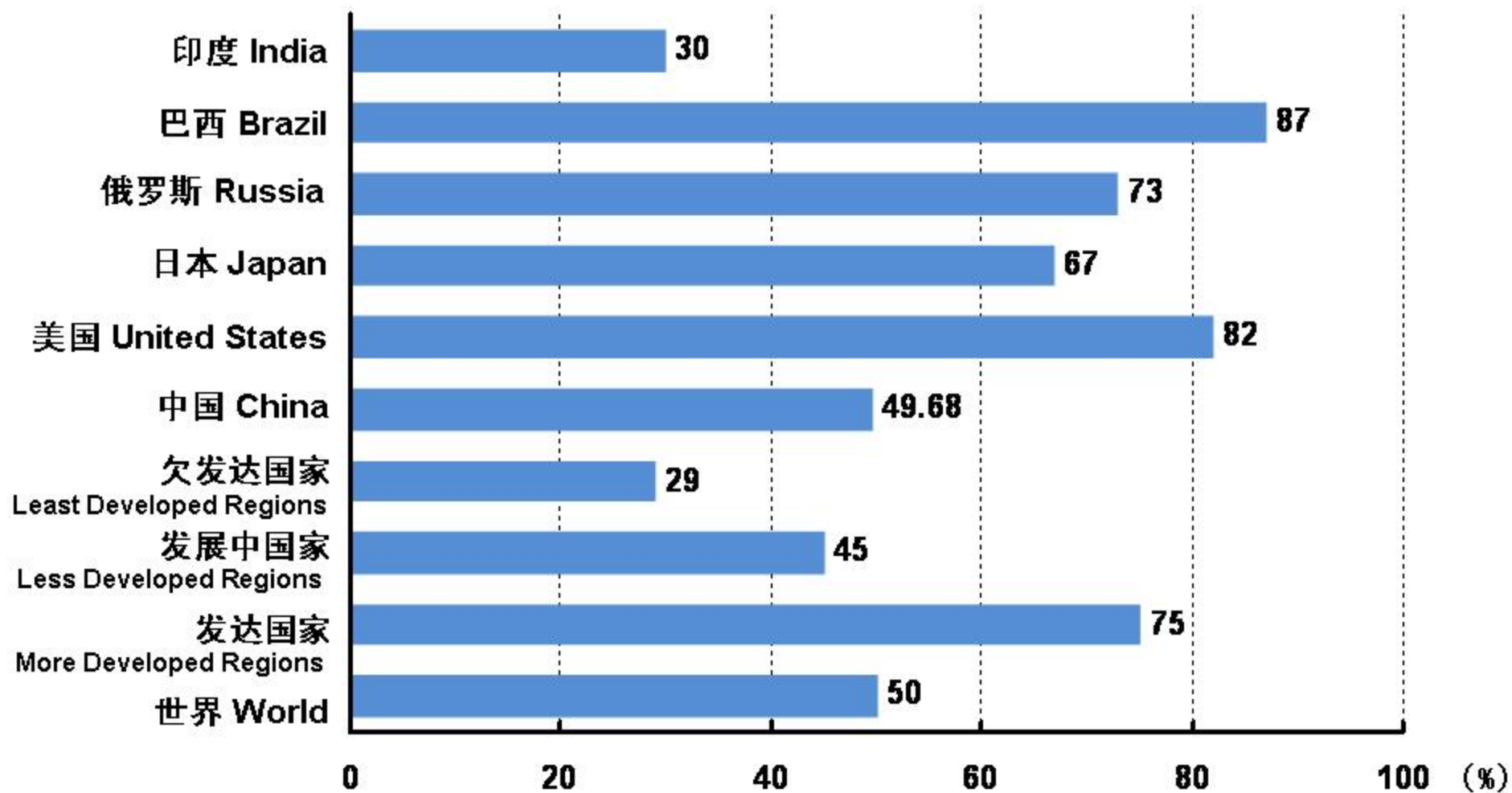
Population Migration



- 离开户口登记地所在的乡镇街道半年以上人口
Population away from the Townships (Towns or Street Communities) of their household registration for more than 6 months

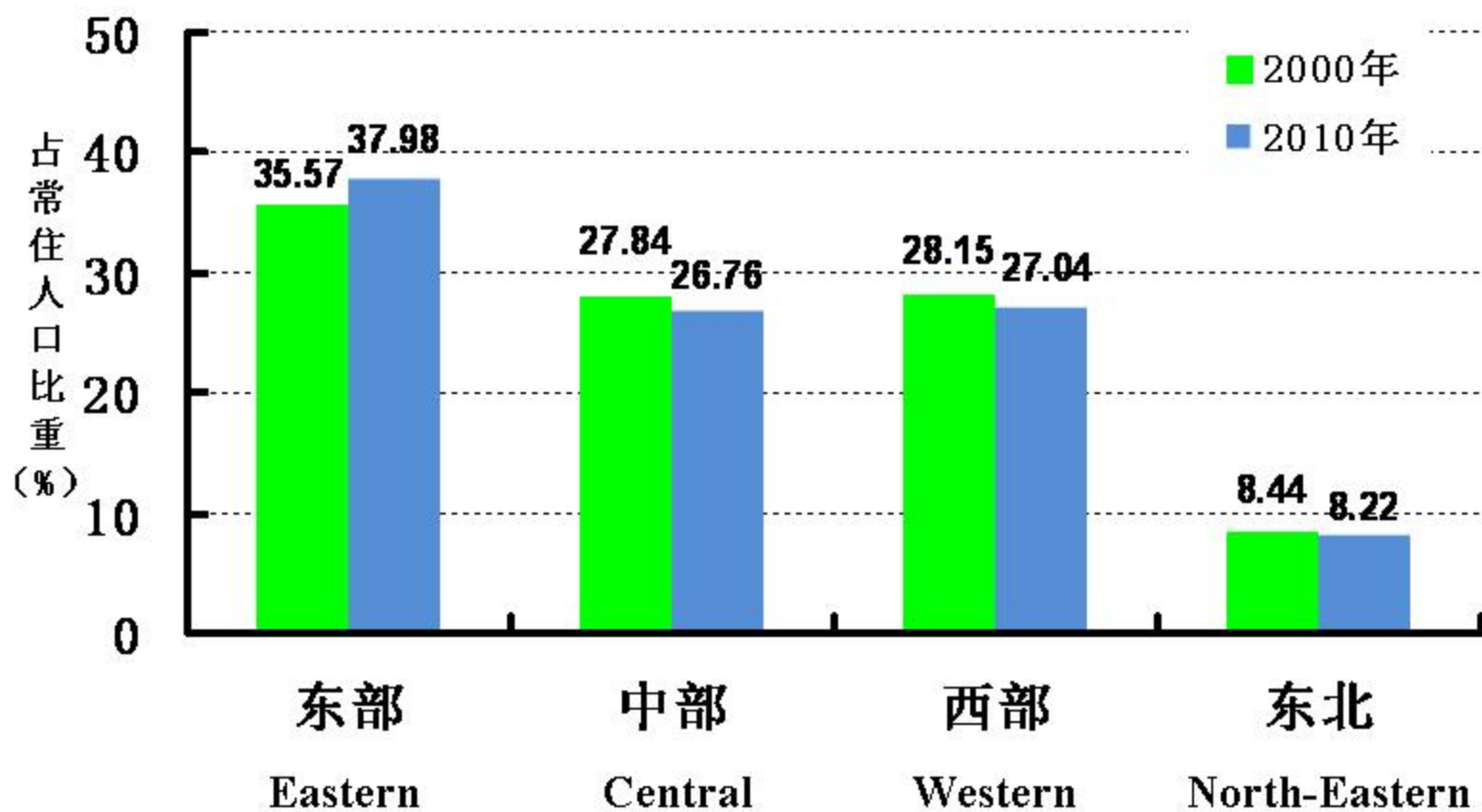


Proportion of Urban Population of Selected Countries and Regions in 2010





Geographic Distribution of Population





Residents from Hong Kong, Macao, Taiwan and Foreigners

	Persons
Total	1020145
Residents from Hong Kong	234829
Residents from Macao	21201
Residents from Taiwan	170283
Foreigners	593832



Further Activities

Four major operations to be accomplished:

- **Computer scrutinizing and logic check of questionnaires and data processing
(December 2011)**
- **Preparing and publication of pre-set tabulations
(May 2012)**
- **Dissemination and in-depth utilization
(December 2013)**
- **Overall evaluation of census operation
(December 2012)**



Dissemination and Utilization

- **Clear vision of objectives for dissemination and utilization**
- **Data dissemination: traditional vs. new formats**
- **Compendium series, GIS-based products**
- **Strengthening of in-house analysis capabilities**



Dissemination and Utilization

- **Joint research programs**
- **Use of census data for community and business development**



Thank you