MACAU, CHINA

Region: Asia and the Pacific

Income group: High income

Summary: Macau, China has reported 4 metadata sources, which collect information on international labour migration statistics. There is the *Population Census* carried out by the Statistics and Census Service; two administrative records, such as *Statistics of Visitor Arrivals* carried out by the Statistics and Census Service, and the *Statistics of Non-resident Workers* held by the Human Resource Office; and one *Estimation of Non-Resident Workers Living in Macao* carried out by the Statistics and Census Service.

Geographically all the sources cover whole country, however different population groups such as:

- *Nationals (citizens) in the country (covered by the **Population Census**)*
- *Nationals (citizens) employed in the country (covered by the **Population Census**)*
- *Foreign workers (non-citizens) living in the country (covered by the **Population Census**, the **Statistics of Non-resident Workers**, and the **Estimation of Non-Resident Workers Living in Macao**)*
- *Foreigners entering country for temporary purposes, such as tourism, shopping, visiting, business, etc. (covered by the **Statistics of Visitor Arrivals**)*
- *Non-resident worker (covered by the **Statistics of Visitor Arrivals**)*

Periodicity of data collection varies depending on the type of sources. The *Population Census* was last processed in 2011; the *Statistics of Visitor Arrivals* is carried out monthly since 2008; the *Statistics of Non-resident Workers* is released monthly starting from 2014; and the *Estimation of Non-Resident Workers Living in Macao* is processed every year since 2014.

All the sources are applied to persons of all ages.

The two essential demographic characteristics covered by all the sources except the *Statistics of Visitor Arrivals* are age and sex. Data on marital status, educational attainment, and household size is also covered in the Census.

International migration related characteristics vary depending on the sources. The characteristics covered by the *Population Census* include country of birth, country of citizenship, country of previous residence for foreigners, country of previous residence for citizens who lived abroad but returned, and information on immigrants and return migrants. The *Statistics of Visitor Arrivals* covers place of issue of travel document. The *Statistics of Non-resident Workers* obtains data on year of arrival, foreign workers in the country, time period allowed to stay, year of departure, time period allowed to stay, and place of issue of travel document.

Labour related characteristics that can be found in all the sources except the *Statistics of Visitor Arrivals* is industry/economic sector. In addition, the *Population Census* covers employment status, occupation, status in employment, disability, and individual earnings per month. Data on occupation is also available in the *Statistics of Non-resident Workers*.

Definitions of "*international migrant workers*", "*employment*", and "*overseas visitor*" are applied both in the sources.

To classify occupation, industry, status in employment, and education internationally and nationally adapted classifications are used in the sources.

Micro data is unavailable for research and analysis outside the agency.

Metadata sources:

Type of source	Name of the source	Agency Responsible	Periodicity of data collection	Year the source started	Year of the last source
Q1. Population Census	Population Census	Statistics and Census Service	-	-	2011
Q3. Border/Admission Statistics	Statistics of Visitor Arrivals	Statistics and Census Service	Monthly	2008	-
Q6. Administrative Sources	Statistics of Non-resident Workers	Human Resource Office	Monthly	2014	-
Q7. Estimation of International Migrant Workers in the Country	Estimation of Non-Resident Workers Living in Macao	Statistics and Census Service	Annually	2014	-

Findings:

The latest *Population Census* was processed in 2011 by the Statistics and Census Service, covering the whole country excluding military personnel and facilities of the People's Liberation Army of the People's Republic of China stationed in Macao. There are three population groups examined in the Census:

- *Nationals (citizens) in the country,*
- *Nationals (citizens) employed in the country, and*
- *Foreign workers (non-citizens) living in the country.*

The *Population Census* obtains detailed data on demographic characteristics of these population groups, such as age, sex, marital status, educational attainment, and household size. The questions raised in the assessment on the topic of international migration related characteristics are country of birth, country of citizenship, country of previous residence for foreigners, and country of previous residence for citizens who lived abroad but returned. The census contains questions, which help to collect information on immigrants and return migrants such as "Have you ever lived outside the country?" and "When did you arrive in this country?" And the data for the situation of the person around the time prior to leaving the household last time is obtained, such as reason for choosing to migrate to this country.

The *2011 Population Census* covers labour related characteristics of all current household members aged 16 years and over, such as:

- Employment status,
- Occupation,
- Industry/economic sector,
- Status in employment,
- Disability, and
- Individual earnings per month.

"*International migrant workers*" refer to non-resident workers holding Non-Resident Worker's Identification Card issued by the Immigration Department of the Public Security Police Force. "*Employment*" covers individuals

aged 16 and above who work for pay, profit or family gain for at least 1 hour during the reference period. It also includes employees who are absent from work but have formal job attachment to employer, as well as company owners or shareholders who are temporary away from work because of particular reasons.

To classify occupation, industry, status in employment, and education, both internationally and nationally adapted classifications are applied. For example:

- National adaptation of ISCO (Classification of Professional Occupations of Macao – 1997) (where one digit is used to release the data);
- National adaptation of ISIC (Classification of Economic Activities of Macao (CAM) Rev.1 – 1997) (where three digits are used to release the data);
- National adaptation of ICSE; and
- ISCED-1997.

Micro data is unavailable for research and analysis outside the agency.

The **Border/Admission Statistics** are covered by the **Statistics of Visitor Arrivals** from the Statistics and Census Service. In 2008, this category of source originated in Macau, China where the data collection is carried out monthly. It processes the following two population groups of all ages:

- *Foreigners entering country for temporary purposes, such as tourism, shopping, visiting, business, etc., and*
- *Non-resident worker.*

Statistics on the international migration related characteristics presented through the source is place of issue of travel document. "**Overseas visitor**" refers to any person taking a trip to a main destination outside his/her usual environment, for less than a year, for any main purpose other than to be employed by a resident entity in the country or place visited. It consists of two classifications; a) Overnight Visitor stays at least one night in a residential accommodation or casino in the place visited, or has accommodation arrangement with a hotel/guesthouse; b) Same-day Visitor does not spend the night in any residential accommodation, hotel/guesthouse, or casino in the place visited, nor does he/she have accommodation arrangement with a hotel/guesthouse. "**International migrant workers**" are non-resident workers holding Non-Resident Worker's Identification Card issued by the Immigration Department of the Public Security Police Force.

Micro data is unavailable for research and analysis outside the agency.

The **Statistics of Non-resident Workers** is a register of work permits issued to foreign workers from the Human Resource Office. It is released monthly starting from 2014. The source appraises whole country and collects data on *the foreign workers in the country* of all ages. In the register, data can be found on demographic characteristics such as age and sex. International migration related characteristics accessible through the source are:

- Year of arrival,
- Foreign workers in the country,
- Time period allowed to stay,
- Year of departure,
- Time period allowed to stay, and
- Place of issue of travel document.

For the population groups assessed in the source, the data on labour related characteristics is available, particularly for industry/economic sector and occupation.

"**International migrant workers**" refer to non-resident workers holding Non-Resident Worker's Identification Card issued by the Immigration Department of the Public Security Police Force. To classify occupation and industry, national adaptation of international classifications are applied. For example:

- National adaptation of ISCO (Classification of Professional Occupations of Macao – 1997), and

- National adaptation of ISIC (Classification of Economic Activities of Macao (CAM) Rev.1 – 1997).

Micro data is unavailable for research and analysis outside the agency.

For the *Estimation of international migrant workers,* the *Estimation of Non-resident Workers Living in Macao* is carried out by the Statistics and Census Service on yearly basis, starting from 2014. It geographically measures the whole country and amasses information on *foreign workers (non-citizens) living in the country* of all ages. It accumulates data on demographic characteristics of people, such as age and sex. Statistics on international migration related characteristics is also obtained, precisely on foreign workers in the country. Labour related characteristic covered in the estimation is industry/economic sector.

In the source, "*international migrant workers*" refer to non-resident workers holding Non-Resident Worker's Identification Card issued by the Immigration Department of the Public Security Police Force. "*Employment*" covers individuals aged 16 and above who work for pay, profit or family gain for at least 1 hour during the reference period. It also includes employees who are absent from work but have formal job attachment to employer, as well as company owners or shareholders who are temporary away from work because of particular reason. To classify industry, National adaptation of ISIC (Classification of Economic Activities of Macao Rev.1 – 1997), where two to three digits are used to release the data, is applied.

Q1. Population Census

SOURCE

Title of source: 2011 Population Census

Year of last census: 2011

Agency responsible: Statistics and Census Service

COVERAGE

Geographical coverage: Whole country excluding some areas

- **Excluded areas**: Military personnel and facilities of the People's Liberation Army of the People's Republic of China stationed in Macao

Population groups covered: Nationals (citizens) in the country, nationals (citizens) employed in the country, foreign workers (non-citizens) living in the country

- **Publication/dissemination of data on population groups covered**: Nationals (citizens) in the country, nationals (citizens) employed in the country, foreign workers (non-citizens) living in the country

TOPIC COVERED

Demographic characteristics: Age, sex, marital status, educational attainment, household size

International migration related characteristics: Country of birth, country of citizenship, country of previous residence for foreigners, country of previous residence for citizens who lived abroad but returned

- **Coverage for international migration related characteristics**: Not for all
- **Exceptions for international migration related characteristics**: Only for those staying in Macao for at least one month during the 6 months before or after the reference date.

Information about household members left to live abroad: No

Labour related characteristics of all current household members: Employment status, occupation, industry/economic sector, status in employment, disability, individual earnings per month

- **Age coverage**: 16 years old and over

Remittances related characteristics: N.A.

Information on immigrants and return migrants: Yes (Questions like "Have you ever lived outside the country?" and "When did you arrive in this country?")

- **Information on the situation of the person prior to leaving the household last time is obtained**: Reason for choosing to migrate to this country

Data collected and not published/disseminated: No

CONCEPTS AND DEFINITIONS

Definition of international migrant workers: It refers to non-resident workers holding Non-Resident Worker's Identification Card issued by the Immigration Department of the Public Security Police Force.

Definition of national (citizen) living abroad: N.A.

Definition of employment: It refers to individuals aged 16 and above who work for pay, profit or family gain for at least 1 hour during the reference period. It also includes employees who are absent from work but have formal job attachment to employer, as well as company owners or shareholders who are temporary away from work because of particular reasons.

CLASSIFICATION

Classification used for occupation: National adaptation of ISCO (Classification of Professional Occupations of Macao – 1997)

- **Number of digits used to release occupation data**: 1

Classification used for industry: National adaptation of ISIC (Classification of Economic Activities of Macao (CAM) Rev.1 – 1997)

- **Number of digits used to release industry data**: 3

Classification used for status in employment: National adaptation of ICSE

Classification used for status in education: ISCED-1997

DATA COLLECTION AND DISSEMINATION

Data collection method: Face-to-face interview by census enumerator using paper questionnaire (PAPI), face-to-face computer assisted interview by census enumerator (CAPI), computer assisted telephone interview by enumerator with data recorded on computer (CATI), self-administered mail questionnaire (household receives census questionnaire by mail, returns by mail), self-administered online (web) census questionnaire /Computer Assisted Web Interview (CAWI)

Compulsory participation of households: Yes

Official estimate of under-coverage rate: Yes

- **Under-coverage rate of total population**: 3.9%

Dissemination of results: Printed publications (Result of 2011 Population Census); Web site (http://www.dsec.gov.mo/Statistic.aspx?NodeGuid=8d4d5779-c0d3-42f0-ae71-8b747bdc8d88), 2011 Population Census GIS (http://censos.dsec.gov.mo/CensusGIS.aspx?lang=en-US)

Metadata has been prepared and disseminated: Yes

Micro-data availability outside NSO/responsible agency: No

Q3. Border/Admission Statistics

SOURCE

Title of source: Statistics of Visitor Arrivals

Agency responsible: Statistics and Census Service

PERIODICITY AND COVERAGE

Periodicity of data collection: Every one month

Year the statistics first started: 2008

Population coverage: Foreigners entering country for temporary purposes, such as tourism, shopping, visiting, business, etc.; non-resident worker.

- **Publication/dissemination of data on population groups covered**: Foreigners entering country for temporary purposes, such as tourism, shopping, visiting, business, etc.; non-resident worker.

Age coverage: All ages

CHARACTERISTICS OF PERSONS COVERED

Demographic characteristics: N.A.

Migration related characteristics: Place of issue of travel document

Labour related characteristics: N.A.

Data collected and not published/disseminated: No

CONCEPTS AND DEFINITIONS

Definition of overseas visitor: It refers to any person taking a trip to a main destination outside his/her usual environment, for less than a year, for any main purpose other than to be employed by a resident entity in the country or place visited. It consists of two classifications as follows:

a) Overnight Visitor stays at least one night in a residential accommodation or casino in the place visited, or has accommodation arrangement with a hotel/guesthouse.

b) Same-day Visitor does not spend the night in any residential accommodation, hotel/guesthouse, or casino in the place visited, nor does he/she have accommodation arrangement with a hotel/guesthouse.

Definition of country of residence: N.A.

Definition of international migrant workers: It refers to non-resident workers holding Non-Resident Worker's Identification Card issued by the Immigration Department of the Public Security Police Force.

CLASSIFICATION

Classification used for occupation: N.A.

- **Number of digits used to release occupation data**: N.A.

Classification used for industry: N.A.

- **Number of digits used to release industry data**: N.A.

Classification used for status in employment: N.A.

Classification used for status in education: N.A.

DATA COLLECTION AND DISSEMINATION

Data collection method: Electronic form

Dissemination of results: Printed publication (Visitor Arrivals and Yearbook of Statistics), Web site (http://www.dsec.gov.mo/Statistic.aspx?NodeGuid=251baebb-6e5b-4452-8ad1-7768eafc99ed)

Metadata has been prepared and disseminated: No

Micro-data availability outside NSO/responsible agency: No

Q6. Administrative Sources

SOURCE

Title of source: Statistics of non-resident workers

Agency responsible: Human Resource Office

Kind of source: Register of work permits issued to foreign workers

PERIODICITY AND COVERAGE

Periodicity of data release: Every month

Year the source first started: 2014

Geographical coverage: Whole country

Population coverage: Foreign workers in the country

- **Publication/dissemination of data on population groups covered:** Foreign workers in the country

Age coverage: All ages

DATA COLLECTED ON PERSONS IN THE ADMINISTRATIVE SOURCE

Demographic characteristics: Age, sex

Migration related characteristics: Year of arrival, foreign workers in the country, time period allowed to stay, year of departure, time period allowed to stay, place of issue of travel document

Labour related characteristics: Industry/economic sector, occupation

Data collected and not published/disseminated: Yes

- **Number and name of question not published**: C1, C2 (Except Place of issue of Travel

Document), C3(Except Industry/economic sector)
- **Reason not published**: For internal use only

CONCEPTS AND DEFINITIONS

Definition of international migrant workers: It refers to non-resident workers holding Non-Resident Worker's Identification Card issued by the Immigration Department of the Public Security Police Force.

Definition of short-term migrant workers: N.A.

Definition of a national living abroad: N.A.

Definition of employment: N.A.

Definition of individual earnings: N.A.

CLASSIFICATION

Classification used for occupation: National adaptation of ISCO (Classification of Professional Occupations of Macao – 1997)

- **Number of digits used to release occupation data**: 4~6

Classification used for industry: National adaptation of ISIC (Classification of Economic Activities of Macao (CAM) Rev.1 – 1997)

- **Number of digits used to release industry data**: 2~3

Classification used for status in employment: N.A.

Classification used for status in education: N.A.

DATA COLLECTION AND DISSEMINATION

Compulsory registration for the population groups covered: Yes

Official estimate of coverage rate: N.A.

Dissemination of results: Web site (http://www.grh.gov.mo/en.aspx), http://www.dsec.gov.mo/Statistic.aspx?lang=en-US&NodeGuid=7bb8808e-8fd3-4d6b-904a-34fe4b302883

Metadata has been prepared and disseminated: No

Micro-data availability outside NSO/responsible agency: No

Q7. Estimation of International Migrant Workers in the Country

SOURCE

Title of source: Estimation of non-resident workers living in Macau

Reference year: 2014

Agency responsible: Statistics and Census Service

PERIODICITY AND COVERAGE

Periodicity of data release: Every year

Year the source first started: 2014

Geographical coverage: Whole country

Population coverage: Foreign workers (non-citizens) living in the country

- **Publication/dissemination of data on population groups covered**: Foreign workers (non-citizens) living in the country

Age coverage: All ages

TOPIC COVERED

Demographic characteristics: Age, sex

International migration related characteristics: Foreign workers in the country

Labour related characteristics: Industry/economic sector

Remittances related characteristics: N.A.

CONCEPTS AND DEFINITIONS

Definition of migrant workers: It refers to non-resident workers holding Non-Resident Worker's Identification Card issued by the Immigration Department of the Public Security Police Force.

Definition of short-term migrant workers: N.A.

Definition of a national (citizen) living abroad: N.A.

Definition of employment: It refers to individuals aged 16 and above who work for pay, profit or family gain for at least 1 hour during the reference period. It also includes employees who are absent from work but have formal job attachment to employer, as well as company owners or shareholders who are temporary away from work because of particular reasons.

Definition of household income: N.A.

CLASSIFICATION

Classification used for occupation: N.A.

- **Number of digits used to release occupation data**: N.A.

Classification used for industry: National adaptation of ISIC (Classification of Economic Activities of Macao (CAM) Rev.1 – 1997)

- **Number of digits used to release industry data**: 2~3

Classification used for status in employment: N.A.

Classification used for status in education: N.A.

DATA COLLECTION AND DISSEMINATION

Dissemination of results: Printed publications (EMPLOYMENT SURVEY),
Web site (http://www.dsec.gov.mo/Statistic.aspx?NodeGuid=d4e4d153-73fb-4707-8b82-e20257ec87be)

Metadata has been prepared and disseminated: No