

Description of terms

(1) Description of rates

1) Natality

$$\text{Live birth rate by occupation (and age group) of father (mother)} = \frac{\text{Live births by occupation (and age group) of father (mother)}}{\text{Population by sex, occupation (and age group)}} \times 1,000$$

$$\text{Age-standardized live birth rate by occupation of father (mother)} = \frac{\sum \left[\frac{\text{Live birth rate by occupation and age group of father (mother)}}{\text{Population in the relevant age group of the standard population}} \right]}{\text{Total standard population in the age range covered}}$$

2) General mortality

$$\text{Death rate by sex, occupation(industry)(and age group)} = \frac{\text{Deaths by sex, occupation (industry) (and age group)}}{\text{Population by sex, occupation (industry) (and age group)}} \times 1,000$$

$$\text{Age-adjusted death rate by sex and occupation (industry)} = \frac{\sum \left[\frac{\text{Death rate by sex, occupation (industry) (and age group)}}{\text{Population in the relevant age group of the standard population}} \right]}{\text{Total standard population in the age range covered}}$$

3) Foetal mortality

Total births = live births + foetal deaths

$$\text{Foetal death rate by occupation of father (mother)} = \frac{\text{Foetal deaths by occupation of father (mother)}}{\text{Total births by occupation of father (mother)}} \times 1,000$$

4) Perinatal mortality

Perinatal deaths = foetal deaths at 22 completed weeks and over of gestation + early neonatal deaths

$$\text{Perinatal death rate by occupation of father (mother)} = \frac{\text{Perinatal deaths by occupation of father (mother)}}{\text{Live births by occupation of father (mother) + Foetal deaths at 22 completed weeks and over of gestation by occupation of father (mother)}} \times 1,000$$

$$\text{Early neonatal death rate by occupation of father (mother)} = \frac{\text{Early neonatal deaths by occupation of father (mother)}}{\text{Live births by occupation of father (mother)}} \times 1,000$$

5) Marriages

$$\text{Marriage rate by occupation (and age group) of groom (bride)} = \frac{\text{Marriages by occupation (and age group) of groom (bride)}}{\text{Population by sex, occupation (and age group)}} \times 1,000$$

$$\text{Marriage rate for unmarried population by occupation (and age group) of groom (bride)} = \frac{\text{Marriages by occupation (and age group) of groom (bride)}}{\text{Unmarried population by sex, occupation (and age group)}} \times 1,000$$

$$\text{Age-standardized marriage rate by occupation of groom (bride)} = \frac{\sum \left[\frac{\text{Marriage rate by occupation (and age group) of groom (bride)}}{\text{Population in the relevant age group of the standard population}} \right]}{\text{Total standard population in the age range covered}}$$

$$\text{Age-standardized marriage rate for unmarried population by occupation of groom (bride)} = \frac{\sum \left[\frac{\text{Marriage rate for unmarried population by occupation (and age group) of groom (bride)}}{\text{Population in the relevant age group of the standard population}} \right]}{\text{Total standard population in the age range covered}}$$

6) Divorces

$$\text{Divorce rate by occupation (and age group) of husband (wife) =} \\ \frac{\text{Divorces by occupation (and age group) of husband (wife)}}{\text{Population by sex, occupation (and age group)}} \times 1,000$$

$$\text{Divorce rate for married population by occupation (and age group) of husband (wife) =} \\ \frac{\text{Divorces by occupation (and age group) of husband (wife)}}{\text{Married population by sex, occupation (and age group)}} \times 1,000$$

$$\text{Age-standardized divorce rate by occupation of husband (wife) =} \\ \frac{\sum \left[\frac{\text{Divorce rate by occupation (and age group) of husband (wife)}}{\text{Population in the relevant age group of the standard population}} \right]}{\text{Total standard population in the age range covered}}$$

$$\text{Age-standardized divorce rates for married population by occupation of husband (wife) =} \\ \frac{\sum \left[\frac{\text{Divorce rate for married population by occupation (and age group) of husband (wife)}}{\text{Population in the relevant age group of the standard population}} \right]}{\text{Total standard population in the age range covered}}$$

Note: Fathers in natality, foetal and perinatal natality are limited to children (dead fetuses) born in wedlock.

(2) Occupation and industry

Occupations and industries used in these Statistics are in accordance with the statistical standards in Japan, “Japan Standard Occupational Classification (Major Group)” and “Japan Standard Industrial Classification (Major Group)”, and the classifications described in the left columns of the following table are represented by names of the occupation and industry described in the right columns.

Occupation

Occupational classification (Major group)	Name of occupation	Examples
A. Administrative and managerial workers	A. Administrative and managerial workers	Legislative officials, company presidents, branch managers, company officers, officers of companies and organizations, company directors and managers
B. Professional and engineering workers	B. Professional and engineering workers	System designers, doctors, law yers, teachers, researchers, surveyors, counsellors, musicians, photographers
C. Clerical workers	C. Clerical workers	General affairs and human affairs w orkers, planning, reception and guidance clerical w orkers, secretaries and other clerical w orkers
D. Sales workers	D. Sales workers	Retail managers, w holesale managers, shop assistants, cashers, real estate agents, insurance agents
E. Service workers	E. Service workers	Care w orkers, dental assistants, beauticians, cooks, restaurateurs, condominiums management personnel, tourist guides
F. Security workers	F. Security workers	Self-defense officials, police officers, firefighters, prison guards, security staff
G. Agriculture, forestry and fishery workers	G. Agricultural, forestry and fishery workers	Agriculture w orkers, ships' captains, plantsman, landscape gardeners, livestock farm w orkers
H. Manufacturing process workers	H. Manufacturing process workers	Machine assembly w orkers, repair w orks, painting w orkers, ironw ork w orkers, sheet metal facility operators, turners, printing and bookbinding w orkers, projectionists
I. Transport and machine operation workers	I. Transport and machine operation workers	Electric train, bus and taxi drivers, navigation officers, conductors, crane operators, pow er plant w orkers, boiler operators
J. Construction and mining workers	J. Construction and mining workers	Carpenters, plasterers, scaffolding w orkers, pipe laying w orkers, electric construction w orkers, civil engineering w orkers, underground miners, gravel quarrying w orkers
K. Carrying, cleaning, packaging, and related workers	K. Carrying, cleaning, packaging, and related workers	Mail delivery w orkers, cargo handling and carrying w orkers, building cleaning w orkers, house cleaning w orkers, w rapping w orkers
L. Workers not classifiable by occupation	L. Occupation not stated	

Industry

Industrial classification (Major group)	Name of industry	Examples
A. Agriculture and forestry	A. Agriculture and forestry	Rice farming, vegetable farming, daily cattle farming, pig and hog farming, gardening services, silviculture, pulp material production, charcoal burners
B. Fisheries	B. Fisheries	Trawl fisheries, angling and longline fisheries, fish aquaculture, pearl aquaculture, seaweed aquaculture
C. Mining and quarrying of stone and gravel	C. Mining and quarrying of stone and gravel	Iron ore mining, coal mining, natural gas production, stone quarrying, cobble-stone pits
D. Construction	D. Construction	Civil engineering work, road paving work, building work, electric work, building reform work
E. Manufacturing	E. Manufacturing	Manufacturing of food, woven fabrics, medicines, manufacturing of iron and steel, manufacturing of motor vehicles
F. Electricity, gas, heat supply and water	F. Electricity, gas, heat supply and water	Power stations, power substations, gasworks, gas distribution, water for end users and sewerage
G. Information and communications	G. Information and communications	Mobile phone services, television station, radio station, game software services, services incidental to internet, newspaper publishers, publishers
H. Transport and postal activities	H. Transport and postal activities	Railway transport, water transport, air transport, warehousing, transport agencies, packing and crating
I. Wholesale and retail trade	I. Wholesale and retail trade	General merchandise, building materials wholesalers, department stores, supermarkets, home improvement stores, gasoline stations, mail-order houses, door-to-door sales
J. Finance and insurance	J. Finance and insurance	Banking, credit associations, credit card businesses, investment management services, life insurance institutions
K. Real estate and goods rental and leasing	K. Real estate and goods rental and leasing	Real estate agencies, real estate lessors and managers, general goods leasing, automobile rental
L. Scientific research, professional and technical services	L. Scientific research, professional and technical services	Research institutes for natural sciences, lawyers' offices, business consultants, design services, advertising, veterinary services, architectural design services
M. Accommodation, eating and drinking services	M. Accommodation, eating and drinking services	Hotels, eateries, restaurants, food delivery services
N. Living-related and personal services and amusement services	N. Living-related and personal services and amusement services	Laundries, hair-dressing and beauty salons, travel agencies, cinemas, fitness centres, amusement parks
O. Education, learning support	O. Education, learning support	Schools, citizen's public halls, libraries, museums, vocational guidance centres, supplementary tutorial schools
P. Medical, health care and welfare	P. Medical, health care and welfare	Hospitals, public health centres, homes for the elderly
Q. Compound services	Q. Compound services	Postal services, cooperative associations
R. Services (not elsewhere classified)	R. Services not elsewhere classified	Waste disposal business, automobile maintenance services, employment services, worker dispatching services, building maintenance services, shrines, foreign governments and international agencies in Japan
S. Government (except elsewhere classified)	S. Government	National diet, courts, central governments, local branches, prefectural governments, city and ward offices, town and village offices
T. Industries unable to classify	T. Industries not stated	