

## Survey Design of Japanese Panel Study of Employment Dynamics

### 1. Outline of the Survey

Purpose of the Survey	Reveal dynamics and variation of employment and non-employment all over the country
Items surveyed	Status of employment, Living dynamics, Status of initial and previous employment, Attribute of individual person of the Previous one year
Survey volume	about 100 questions      Survey 2024: 109 questions

### 2. Period of the Survey

Survey period	Survey period is fixed as every January January 4 ~ January 31, 2024
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### 3. Coverage of the Survey

Survey districts	All over the country
Conditions of persons	Male and female 15 years old and over to be surveyed
Exclusion conditions	None (no condition on occupation/survey cooperation records)

### 4. Method of the Survey

Survey technique	Internet monitoring survey (Sample survey)
Sampling method	Extract persons satisfied the conditions by the monitor (Mighty monitor) possessed by Intage Inc.
Sample design	Based on “Labour force survey” data of Statistics Bureau, Ministry of Internal Affairs and Communications, allocation was implemented by gender, stratified age group, type of employment, district block, education background. The allocation was set to reflect the population. However, as for 10s of non-labour force, 65-69 years of non-labour force, and 70 years old and over, the allocation was adjusted less than actual count of persons.
Effective collection count/effective collection rate	<p>Survey 2024: 55,963 samples</p> <p>* From Survey 2018 onwards, each survey consists of 3 sample types, continued (previous year answerers), additional (new answerers of the year) and revived (answerers of Survey before 2022 who didn't answer Survey 2023).</p> <ul style="list-style-type: none"> <li>• Continued samples (continuous answerers since last year): 42,977 persons Persons requested: 53,463 Effective collection rate: 80.4%</li> <li>• Additional samples (new answerers, this year): 7,799 persons Persons requested: 15,138 Effective collection rate: 51.5%</li> <li>• Revived samples (no answer in survey 2023, but answered in 2022): 5,187 persons Persons requested: 31,037 Effective collection rate: 16.7%</li> </ul> <p>* 10 samples out of the above are excluded from aggregating subjects due to overseas emigration</p>

### 5. Aggregation Method

Weighted sampling aggregation	Weighted sampling aggregation is necessary to implement aggregation according to the population construction since the collection was conducted with less allocation than actual count of persons for 10s and 65 - 69 years old of non-labour force, and 70 years old and over.
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## 1. Outline of the Survey

In Japanese Panel Study of Employment Dynamics, following items were questioned in survey 2024 for the purpose of grasping status of employment, living dynamics, etc. during the previous one year prior to the survey (in case of survey 2024, one year period of 2023).

Attribute	Status of the Previous One Year
Q1 Gender	Q55 Level of happiness
Q2 Age	Q56 Life satisfaction
Q3 Birth month and year	Q57 Annual events and living
Q4 Present residential place	Q58 Annual occupational events
Q5 Final educational background	Q59 Self-development activities
Q6 Graduated faculty	Q60 Holiday acquisition condition
Q7 Present school year	Q61 Rate of taking paid leaves
Q7-1 Faculty to plan to graduate from	Q62 Health condition (Stress)
Q8 Dropout experience	Q63 Income source of living expenses
Q9 Marital status	Q64 How to cover the living expenses
Q10 With or without a child/children	Q65 Job upskilling
Q11 Number of children	Q66 On-the-Job-Training opportunity
Q12 Age of the child	Q67 Off-the-Job-Training opportunity
Q13 Type of residence	Q68 With or without self-development
Q14 Cohabiter	Q69 Work place status
Q15 Principal household income earner	Q70 Nature of work
Q16-1 Labour force status of January ~April	Q71 Job satisfaction, career outlook
Q16-2 Labour force status of May ~August	Q72 Stress of taking balance of work and family life
Q16-3 Labour force status of September ~November	<b>Status of Second Job</b>
Q17 Labour force status of December	Q73 With or without taking second job
<b>Status as in Last December</b>	Q74 Desire to take second job
Q18 Type of working	Q75 Reasons of desire to take second job
Q19 Type of employment	Q76 Reasons of taking second job
Q20 With or without store	Q77-1 Type of working of the highest income second job
Q21 Reasons of being engaged in work as in December	Q77-2 Content of work of the highest income second job
Q22 Reasons of absence from work	Q77-3 Job details of the second job that provided the highest income
Q23 Could be engaged in work upon availability?	Q77-4 If there is any store of the second job that provided the highest income
Q24 Desire to work	Q77-5 Number of the second jobs
Q25 Degree of desire to work	Q78 Working hours per week of the second jobs
Q26 With or without job seeking	<b>Status of Initial Employment</b>
Q27 Reasons of seeking no job	Q79 Type of working of initial employment
Q28 Reasons of unemployment	Q80 Industry of initial employment
Q29 The reason of no desire to work	Q81 Number of employees of initial employment
Q30 Industry	Q82 Occupation of initial employment
Q31 Number of employees	<b>Status of Previous Employment</b>
Q32 Occupation	Q83 Type of working of previous employment
Q33 Position title	Q84 Industry of previous employment
Q34 With or without employment contract term	Q85 Number of employees of previous employment
Q35 Employment contract term	Q86 Occupation of previous employment
Q36 Status of employment (unemployment) insurance coverage	Q87 Number of working days/hours in previous employment
Q37 Working days and hours per week	Q88 Annual income of previous employment
Q38 Presence of request to increase/decrease the work hours	Q89 Channels to find current place of work
Q39 Degree of increase/decrease in work hours	Q90 Order of timing between the last resignation and adoption of current employment
Q40 Possibility to increase work hours and content of work	Q91 Reasons of the last resignation
Q41 Reason of not possible to increase work hours even when wanting to increase them	<b>Status around the Delivery of the Youngest Child</b>
Q42 Salary payment method	Q92 Working status before and after the birth of your youngest child / child of currently aged 1 to 5 years
Q43 Hourly rate	Q93 Working status before and after the birth of your youngest child / child of currently one year old
Q44 Work flexibility	Q94-1 System used at the birth of the youngest child (female) / child of currently aged 1 to 5 years
Q45 Working place	Q94-2 System used at the birth of the youngest child (male) / child of currently aged 1 to 5 years
Q46 Job style	Q95-1 Number of consecutive days taken for childcare leave
Q47 Job percentage	Q95-2 Number of days of annual paid leave taken for childcare
Q48 Commuting methods	<b>Others</b>
Q49-1 Time for living (Commutation)	Q96 Residential place
Q49-2 Time for living (Housework, childcare)	Q97 Academic achievement at the last junior high school year
Q50 Time for telework	Q98 Month and year of school graduation, month and year of entry to and resignation from the initial employment, month and year of entry to and resignation from the previous employment, month and year of entry to the current employment
Q51 Status of telework system introduction and adoption	Q99 Annual income of the previous year (main job, second job, non-occupational)
Q52 Subject person to telework system	Q100 With whom can you consult?
Q53 Condition of HRM at the workplace	Q101 Type of working of the spouse
Q54 Number of resignation times in the past	Q102 Event in work (resignation or employment of spouse)
	Q103 Annual income of the spouse
	Q104 With or without doing nursing care
	Q105 Desire for changing or hunting job
	Q106 Approach taken related to future career plan in the past one year
	Q107 Desired future plan after graduation
	Q108 Decision of occupation after graduation
	Q109 Job-hunting experience

## 2. Period of the Survey

As the purpose is to grasp the status of the previous one year prior to the survey period, the survey period is fixed as every January. The survey 2024 was actually implemented from January 4 to January 31, 2024.

## 3. Coverage of the Survey

The subjected persons are male and female of 15 years old and over, and without upper age limit. The survey was implemented not as a complete census but sample survey. (Refer to “4. Method of the Survey”)

## 4. Method of the Survey

Internet monitoring survey was used as the technique of survey by asking the monitors for the survey after extracting male and female of 15 years old and over. The survey applied the system to receive answers on internet screens.

When monitors are surveyed, discrepancy would be seen in age and occupation construction between monitors and the population subject to survey. In order to conduct the survey with representativeness reflecting the population as much as possible, necessary sample numbers were calculated by gender, stratified age group, type of employment, district block and education background, then collected answers aiming these numbers (allocation).

On this stage, if the samples are allocated according to the population construction, total volume of unworking groups of 10s and 65 - 69 years old, and 70 years old and over increases and results decrease of sample numbers of working people groups on the target for the desired close analysis. Therefore, the survey was designed to obtain larger number of working people samples by allocating less figures to non-labour force of 10s and 65 - 69 years old, and 70 years old and over. (Refer to Reference (1) “Production method of population value data and allocation by gender, stratified age group, type of employment, district block and education background”)

In survey 2024, at first we asked all the people who could be requested out of the answerers of survey before 2023 (continued samples and revived samples), to answer the survey. 84,500 persons could be requested for the survey as they remained in the monitor. 48,164 persons answered out of the above number. In the next stage, new answerers were extracted from the monitor and asked for the survey, imagining deficient cells to be filled up for the allocation. Out of the requested 15,138 persons, answers were obtained from 7,799 persons. In survey 2024, total number of effective samples was 55,963. (Refer to “Reference (2) Allocation and collection count”)

\*Measures such as delaying the distribution date were taken for Ishikawa, Toyama, Niigata, and Fukui prefectures considering the effects of the earthquake in the Noto Peninsula area. Therefore, the collection amount of those areas slightly declined compared to other years.

## 5. Aggregation Method

Weighted sampling aggregation is necessary to implement aggregation according to the population construction so that the number of the samples can get near to the population value calculated in the stage of sample design in “4. Method of the Survey”, since less figures than actual count of persons were allocated to 10s and 65 - 69 years old of non-labour force, and 70 years old and over. (Refer to “Reference (3) Calculation method of weighted values” and “Reference (5) Calculation method of weighted values”)

It is verified that big bias can be eliminated from the survey results even compared with official statistics by allocation with smaller segmentation under consideration of the representativeness in the stage of sample design, then making correction by weighted aggregation. (Refer to “Reference (4) Comparison of the survey results and official statistics”)

# Reference (1) Production method of population value data and allocation by gender, stratified age group, type of employment, district block and education background

## <Data production procedures>

- I. Produce population data: Produce population data using multiple official data adapting to the targeted allocation cells
- II. Correct population data for allocation: Adjust number of persons in the population
- III. Produce allocation: Make allocation adapting to the population data construction after correction

## <Data production procedures in detail>

### I. Produce population data:

Produce population data using multiple official data adapting to the targeted cells for allocation

#### I-i. Produce basic data

##### <Data used>

“Table II Population aged 15 years old and over by status of employment, position of employment, type of employment, marital status, and age group” from October to December 2022 version “Labour Force Survey (Basic Tabulation) by Region” issued by Statistics Bureau, Ministry of Internal Affairs and Communications

- Extract number of persons of self-employed workers, family workers, executives of company or corporation, regular employees, non-regular employees, unemployment and non-labour force by gender age group (divided by 10s) for each area of whole Japan (divided by 11 areas), from “Table II Population aged 15 years old and over by status of employment, position of employment, type of employment, marital status, and age group” of October to December 2022 version “Labour Force Survey (Basic Tabulation) by Region”
  - \* The latest yearly data are used
- Data are produced by following cells x 11 areas

		Labour force					Non-labour force
		Self employed worker	Family worker	Executive of company or corporation	Regular employee	Non-regular employee	
Male	15 - 24 years old						
	25 - 34 years old						
	35 - 44 years old						
	45 - 54 years old						
	55 - 64 years old						
	65 years old and over						
Female	15 - 24 years old						
	25 - 34 years old						
	35 - 44 years old						
	45 - 54 years old						
	55 - 64 years old						
	65 years old and over						

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## I-ii. Age group division change (by 5 from 10 years)

<Data used>

“Table I-2 Population aged 15 years old and over by status of employment, position of employment, type of employment (number of employees for non-agricultural/forestry industry employees), main activity status, agriculture/forestry, non-agricultural/forestry, type of household, family type of household and age group” from October to December 2022 version “Labour Force Survey (Basic Tabulation) Whole Japan” issued by Statistics Bureau, Ministry of Internal Affairs and Communications

- The data in I-i are divided into groups of 10 years, therefore the above data are divided so that 15 - 24 years old becomes 15 - 19 years old/20 - 24 years old, and 65 years old and over becomes 65 - 69 years old/70 - 74 years old/75 years old and over (Get the rate of 15 - 19 years old out of 15 - 24 years old, then multiply the data of 15 - 24 years old by the rate to get number of persons. For other age segments, the same procedures are to be followed as above.)
- On this stage, utilise the data corresponding to the segments by self-employed workers, family workers, executives of company or corporation, regular employees, non-regular employees, unemployment, non-labour force that were sorted in I-i
  - \* As for executives of company or corporation, the data of regular employees are used
  - \* The data uniformed throughout the country are used
- In this way, cells will be arranged as follows;

		Labour force						Non-labour force	
		Self employed worker	Family worker	Executive of company or corporation	Regular employee	Non-regular employee	Unemployment		
Male	15 - 19 years old								
	20 - 24 years old								
	25 - 34 years old								
	35 - 44 years old								
	45 - 54 years old								
	55 - 64 years old								
	65 - 69 years old								
70 - 74 years old									
75 years old and over									
Female	15 - 19 years old								
	20 - 24 years old								
	25 - 34 years old								
	35 - 44 years old								
	45 - 54 years old								
	55 - 64 years old								
	65 - 69 years old								
70 - 74 years old									
75 years old and over									

## I-iii. Calculation of number of persons attending school

<Data used>

“Table I-2 Population aged 15 years old and over by status of employment, age group, main activity status, agriculture/forestry, non-agricultural/forestry, whether wishing to work, marital status, type of household, relation to the head of household, and education background” from October to December 2022 version “Labour Force Survey (Detailed Tabulation) Whole Japan” issued by Statistics Bureau, Ministry of Internal Affairs and Communications

- From the above data, ratios of “attending schools” for labour force/non-labour force by gender age (divided into groups of 10 years) are calculated. The results are multiplied by the basic data to get the count of persons “attending school” by labour force/non-labour force x gender age (divided into groups of 10 years)
  - \* Since there are no data by labour force breakdown (self-employed, regular employees, etc.), the ratio is as uniformed for every type of employment
  - \* Since there are no data by each region, whole Japan data are used
- In the above way, attending school was extracted and arranged as in following cells;

		Labour force						Non-labour force	
		Self employed worker	Family worker	Executive of company or corporation	Regular employee	Non-regular employee	Unemployment	Attending school	Attending school
Male	15 - 19 years old								
	20 - 24 years old								
	25 - 34 years old								
	35 - 44 years old								
	45 - 54 years old								
	55 - 64 years old								
	65 - 69 years old								
70 - 74 years old									
75 years old and over									
Female	15 - 19 years old								
	20 - 24 years old								
	25 - 34 years old								
	35 - 44 years old								
	45 - 54 years old								
	55 - 64 years old								
	65 - 69 years old								
70 - 74 years old									
75 years old and over									

I-iv. Divide persons other than attending school into the groups of below university graduates and university graduates or higher

<Data used>

“Table I-2 Population aged 15 years old and over by status of employment, age group, main activity status, agriculture/forestry, non-agricultural/forestry, whether wishing to work, marital status, type of household, relation to the head of household, and education” from October to December 2022 version “Labour Force Survey (Detailed Tabulation) Whole Japan” issued by Statistics Bureau, Ministry of Internal Affairs and Communications

- Like as in I-iii, ratios of below university graduates and university graduates or higher for the persons “graduated from” by labour force /non-labour force x gender age (divided into groups of 10 years) are calculated. The results are multiplied by the basic data to get the count of persons by education background (below university graduates/university graduates or higher)
  - \* Since there are no data by labour force breakdown (self-employed, regular employees, etc.), the ratio is as uniformed for every type of employment
  - \* Since there are no data by each region, whole Japan data are used
- Now, the count of persons of the population adapted to the aimed allocation cells is completed. Produce 3,168 cells (cells x 11 areas = 3,168) as below;

		Hokkaido												Non-labour force			
		Labour force															
		Self employed worker		Family worker		Executive of company or corporation		Regular employee		Non-regular employee		Unemployment			Non-labour force		
		Below university	University or higher	Below university	University or higher	Below university	University or higher	Below university	University or higher	Below university	University or higher	Below university	University or higher	Attending school	Below university	University or higher	Attending school
		12	6	3	1	9	4	84	52	57	21	5	3	8	144	25	23
Male	15 - 19 years old	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	9
	20 - 24 years old	0	0	0	0	0	0	2	1	1	1	0	0	3	0	0	3
	25 - 34 years old	0	0	0	0	0	0	8	9	1	2	0	1	0	1	0	0
	35 - 44 years old	1	0	0	0	1	1	11	10	1	1	1	0	0	2	0	0
	45 - 54 years old	2	1	0	0	2	1	16	10	1	1	1	0	0	2	0	0
	55 - 64 years old	2	1	0	0	1	1	10	7	3	2	1	0	0	2	1	0
	65 - 69 years old	1	0	0	0	1	0	2	1	2	1	0	0	0	5	2	0
	70 - 74 years old	1	0	0	0	1	0	1	0	2	1	0	0	0	9	3	0
75 years old and over	1	0	0	0	1	0	0	0	1	0	0	0	0	23	7	0	
Female	15 - 19 years old	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	8
	20 - 24 years old	0	0	0	0	0	0	2	1	1	1	0	0	3	0	0	3
	25 - 34 years old	1	0	0	0	0	0	6	6	4	3	1	0	0	2	1	0
	35 - 44 years old	1	0	0	0	0	0	7	3	7	4	1	0	0	5	2	0
	45 - 54 years old	1	0	1	0	1	0	10	3	12	3	0	0	0	6	1	0
	55 - 64 years old	1	0	1	0	1	0	6	1	11	2	1	0	0	9	2	0
	65 - 69 years old	0	0	1	0	0	0	1	0	4	0	0	0	0	10	1	0
	70 - 74 years old	1	0	1	0	0	0	1	0	3	0	0	0	0	17	1	0
75 years old and over	1	0	1	0	0	0	0	0	1	0	0	0	0	51	3	0	

\* Created population data using data of October to December 2022 since the data of October to December 2023 are not disclosed yet at the time of survey implementation. Weighted tabulation is used to assign back to the composition of the population data created by the data of October to December 2023 at the tabulation phase since the data of October to December 2023 will be disclosed by the end of the survey

## II. Correct population data for allocation: Adjust number of persons in the population

II-i. Reduce the actual count of persons 70 years old and over by half

- Reduce actual data of number of persons for each cell of 70 - 74 years old and 75 years old and over by half

II-ii. For generation of 10s and 65 years old and over, make the non-labour force a half of the labour force

- As for age groups 15 - 19 years old, 65 - 69 years old, 70 - 74 years old and 75 years old and over, make the total of non-labour force count a half of the labour force
- The construction of education background (below university graduates/university graduates or higher/attending school) within the non-labour force is to be kept same as of the original population construction.

II-iii. After adjustment, construction ratio of the population is calculated

- Calculate overall construction ratio of each cell for the population data in II-ii



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	Shikoku														Kansai																				
	Labour force														Labour force																				
	Self-employed worker		Family worker		Executive of company or corporation		Regular employee		Non-regular employee		Unemployment		Non-labour force		Self-employed worker		Family worker		Executive of company or corporation		Regular employee		Non-regular employee		Unemployment		Non-labour force								
	Below university	University or higher	Below university	University or higher	Below university	University or higher	Below university	University or higher	Below university	University or higher	Below university	University or higher	Attending school	Below university	University or higher	Attending school	Below university	University or higher	Below university	University or higher	Below university	University or higher	Below university	University or higher	Below university	University or higher	Attending school	Below university	University or higher	Attending school					
	15	20	15	2	17	17	207	185	181	89	17	12	87	128	81	23	156	85	66	20	95	85	1020	688	208	285	53	32	112	198	140	117			
Male	15-19 years old	0	0	0	0	0	1	0	2	0	0	0	2	0	0	0	0	0	0	0	3	0	11	0	1	0	0	9	0	11					
	20-24 years old	0	0	0	0	0	6	3	3	2	2	1	10	1	0	12	0	0	0	0	23	11	13	9	4	2	40	3	0	46					
	25-34 years old	2	3	0	0	0	27	31	2	3	2	3	2	4	1	1	5	6	2	3	38	114	17	20	5	6	6	14	3	4					
	35-44 years old	3	3	0	0	3	40	26	6	5	3	3	0	4	1	0	17	15	3	3	6	108	138	12	10	6	9	0	17	0					
	45-54 years old	10	6	0	0	7	4	60	38	3	2	3	2	0	0	23	15	3	2	13	8	193	122	17	11	7	4	0	27	5	0				
	55-64 years old	10	7	0	0	6	4	35	25	10	7	0	0	0	0	22	16	0	0	19	13	121	85	35	25	6	4	0	33	16	0				
	65-69 years old	7	3	0	0	4	2	6	3	9	4	0	0	0	0	18	5	0	22	22	11	1	0	10	5	21	10	36	17	2	1	0	48	16	0
	70-74 years old	4	2	0	0	2	1	2	1	3	2	0	0	0	0	5	0	0	12	5	1	0	5	3	13	6	1	0	0	22	5	0	0		
	75 years old and over	4	2	0	0	2	1	0	1	0	0	0	0	0	0	12	0	1	0	5	2	2	1	8	3	0	0	0	9	16	3	0			
Female	15-19 years old	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	12	0	0	0	0	0	0	0	0	0			
	20-24 years old	0	0	0	0	0	6	3	4	2	0	0	10	1	0	10	0	0	0	0	0	27	14	16	8	2	1	43	2	0	40				
	25-34 years old	0	6	0	0	0	20	17	11	10	3	2	1	7	3	1	3	2	3	2	0	82	32	42	37	6	5	36	15	3	0				
	35-44 years old	4	2	0	0	0	29	14	26	12	0	0	0	14	7	0	7	3	4	2	4	2	103	40	103	40	4	2	0	50	26	1			
	45-54 years old	4	1	4	1	4	1	44	11	39	10	4	1	0	17	4	0	9	2	9	2	135	33	144	35	4	1	0	69	18	1	0			
	55-64 years old	5	1	5	1	5	1	23	4	37	7	0	0	0	27	5	0	9	2	14	3	76	14	146	27	5	1	0	100	21	0	0			
	65-69 years old	2	0	4	0	2	0	5	0	15	1	0	0	0	16	0	0	6	1	11	1	6	1	54	5	0	0	0	43	5	0	0			
	70-74 years old	2	0	3	0	1	0	1	0	5	1	0	0	0	5	0	0	4	0	7	1	3	0	4	0	19	2	0	0	0	22	0	0	0	
	75 years old and over	2	0	3	0	1	0	1	0	2	0	0	0	0	5	0	0	4	0	7	1	4	0	8	1	0	0	0	18	0	0	0	0		

	Osaka															
	Labour force															
	Self-employed worker		Family worker		Executive of company or corporation		Regular employee		Non-regular employee		Unemployment		Non-labour force			
	Below university	University or higher	Below university	University or higher	Below university	University or higher	Below university	University or higher	Below university	University or higher	Below university	University or higher	Attending school	Below university	University or higher	Attending school
	15	10	0	0	3	8	118	75	87	40	0	0	14	83	14	10
Male	15-19 years old	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
	20-24 years old	0	0	0	0	0	2	1	3	2	0	0	5	0	0	5
	25-34 years old	0	0	0	0	0	12	14	5	6	0	0	1	0	0	0
	35-44 years old	3	3	0	0	0	17	15	3	3	0	0	0	0	0	0
	45-54 years old	3	2	0	0	3	2	20	13	3	2	0	0	5	1	0
	55-64 years old	3	2	0	0	3	2	10	7	4	4	0	0	4	2	0
	65-69 years old	2	1	0	0	1	2	1	4	2	0	0	0	5	0	0
	70-74 years old	1	1	0	0	1	0	1	0	1	1	0	0	0	0	0
	75 years old and over	1	1	0	0	1	0	0	1	0	0	0	0	0	0	0
Female	15-19 years old	0	0	0	0	0	0	0	2	0	0	0	1	0	0	0
	20-24 years old	0	0	0	0	0	2	1	3	2	0	0	0	9	0	0
	25-34 years old	0	0	0	0	0	11	10	8	7	0	0	1	4	2	0
	35-44 years old	0	0	0	0	0	15	7	11	5	0	0	0	7	4	0
	45-54 years old	0	0	0	0	0	17	4	12	3	0	0	0	9	2	0
	55-64 years old	0	0	0	0	0	9	2	14	3	0	0	0	14	3	0
	65-69 years old	1	0	0	0	0	0	5	0	0	0	0	0	5	0	0
	70-74 years old	1	0	0	0	0	0	2	0	0	0	0	0	0	0	0
	75 years old and over	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0



# Reference (2) Allocation and collection count

The number of persons from whom actual effective answers were obtained is as below after the implementation of survey with the target of the allocation produced in Reference (1).

		All over the country															
		Labour force														Non-labour force	
		Self employed worker		Family worker		Executive of company or corporation		Regular employee		Non-regular employee		Unemployment					
		Below university	University or higher	Below university	University or higher	Below university	University or higher	Below university	University or higher	Below university	University or higher	Below university	University or higher	Attending school	Below university	University or higher	Attending school
		1519	801	441	112	1068	560	11346	7309	7523	2855	510	302	1284	4903	1311	1128
Male	15 - 19 years old	0	0	0	0	0	0	37	0	128	0	6	0	102	5	0	117
	20 - 24 years old	10	5	2	1	0	0	274	130	216	102	30	15	472	26	1	430
	25 - 34 years old	47	59	6	9	21	26	1207	1399	184	214	44	56	72	123	29	34
	35 - 44 years old	139	124	12	12	102	89	1635	1432	170	148	56	51	0	124	32	0
	45 - 54 years old	232	146	18	12	223	140	2246	1423	206	130	62	39	0	205	42	0
	55 - 64 years old	233	164	3	2	218	151	1263	890	429	302	59	40	0	269	131	0
	65 - 69 years old	177	83	6	0	101	49	173	83	375	178	20	10	0	466	140	0
	70 - 74 years old	91	44	6	0	50	23	45	21	138	65	8	2	0	184	52	0
	75 years old and over	97	46	6	0	50	23	19	9	61	30	0	0	0	129	36	0
Female	15 - 19 years old	0	0	0	0	0	0	19	0	158	0	2	0	112	5	0	139
	20 - 24 years old	2	1	0	0	0	0	264	134	214	111	20	10	471	20	1	369
	25 - 34 years old	35	27	6	4	3	2	963	846	429	376	43	33	55	354	152	29
	35 - 44 years old	89	42	34	16	31	15	1017	482	977	461	50	24	0	528	57	5
	45 - 54 years old	117	28	77	18	77	18	1310	317	1659	403	50	12	0	742	190	5
	55 - 64 years old	111	22	93	19	94	19	727	134	1417	263	52	10	0	1049	204	0
	65 - 69 years old	53	4	78	7	47	3	94	7	506	48	6	0	0	395	20	0
	70 - 74 years old	39	2	47	6	24	1	29	1	182	18	2	0	0	167	5	0
	75 years old and over	47	4	47	6	27	1	24	1	74	6	0	0	0	112	0	0

		All over the country															
		Labour force														Non-labour force	
		Self employed worker		Family worker		Executive of company or corporation		Regular employee		Non-regular employee		Unemployment					
		Below university	University or higher	Below university	University or higher	Below university	University or higher	Below university	University or higher	Below university	University or higher	Below university	University or higher	Attending school	Below university	University or higher	Attending school
		2132	1258	522	140	1166	676	12483	10622	8734	3468	503	258	1855	7966	3082	1088
Male	15 - 19 years old	5	2	0	0	1	0	15	0	12	7	2	1	126	42	2	236
	20 - 24 years old	15	12	4	1	13	7	190	234	96	58	10	1	328	45	28	169
	25 - 34 years old	102	74	22	12	38	32	1409	2097	319	262	46	35	110	155	78	37
	35 - 44 years old	155	132	24	17	82	81	1902	2298	332	231	47	45	55	169	96	10
	45 - 54 years old	284	190	39	13	211	140	2451	1841	314	166	57	33	48	231	85	2
	55 - 64 years old	281	170	7	4	224	158	1320	909	532	310	60	37	27	354	200	2
	65 - 69 years old	181	135	11	3	107	62	179	101	388	267	17	10	6	479	337	8
	70 - 74 years old	211	124	7	3	76	52	71	39	294	199	9	6	9	723	615	11
	75 years old and over	108	90	7	1	44	34	18	15	93	69	4	1	7	440	292	8
Female	15 - 19 years old	5	1	1	0	5	0	15	0	34	2	7	0	305	52	2	298
	20 - 24 years old	41	12	10	5	40	16	366	414	282	117	26	14	636	97	34	227
	25 - 34 years old	89	66	32	8	45	24	1211	1373	788	480	44	32	77	447	198	33
	35 - 44 years old	136	81	47	22	33	13	1064	677	1068	488	47	20	38	558	290	12
	45 - 54 years old	167	57	80	19	67	18	1363	443	1735	438	59	12	40	873	219	7
	55 - 64 years old	156	62	92	18	89	21	753	152	1465	272	45	10	29	1235	241	15
	65 - 69 years old	77	31	77	10	49	11	95	21	519	63	12	0	5	837	171	4
	70 - 74 years old	75	10	40	3	23	5	44	5	382	31	11	1	7	877	145	7
	75 years old and over	44	9	22	1	19	2	17	3	81	8	0	0	2	352	49	2

		All over the country															
		Labour force														Non-labour force	
		Self employed worker		Family worker		Executive of company or corporation		Regular employee		Non-regular employee		Unemployment					
		Below university	University or higher	Below university	University or higher	Below university	University or higher	Below university	University or higher	Below university	University or higher	Below university	University or higher	Attending school	Below university	University or higher	Attending school
		613	457	81	28	98	116	1137	3313	1211	613	(7)	(44)	571	3063	1771	(40)
Male	15 - 19 years old	5	2	0	0	1	0	(22)	0	(116)	7	(4)	1	24	37	2	119
	20 - 24 years old	5	7	2	0	13	7	(84)	104	(120)	(44)	(20)	(14)	(144)	19	27	(261)
	25 - 34 years old	55	15	16	3	17	6	202	698	135	48	2	(21)	38	32	49	3
	35 - 44 years old	16	8	12	5	(20)	(8)	267	866	162	83	(9)	(6)	55	45	64	10
	45 - 54 years old	52	44	21	1	(12)	0	205	418	108	36	(5)	(6)	48	26	43	2
	55 - 64 years old	48	6	4	2	6	7	57	19	103	8	1	(3)	27	85	69	2
	65 - 69 years old	4	52	5	3	6	13	6	18	13	89	(3)	0	6	13	197	8
	70 - 74 years old	120	80	1	3	26	29	26	18	156	134	1	4	9	539	563	11
	75 years old and over	11	44	1	1	(6)	11	(1)	6	32	39	4	1	7	311	256	8
Female	15 - 19 years old	5	1	1	0	5	0	(4)	0	(124)	2	5	0	193	47	2	159
	20 - 24 years old	39	11	10	5	40	16	102	280	68	6	6	4	165	77	33	(142)
	25 - 34 years old	54	39	26	4	42	22	248	527	359	104	1	(1)	22	93	46	4
	35 - 44 years old	47	39	13	6	2	(2)	47	195	91	27	(3)	(4)	38	30	14	7
	45 - 54 years old	50	29	3	1	(10)	0	53	126	76	35	9	0	40	131	29	2
	55 - 64 years old	45	40	(1)	(1)	(5)	2	26	18	48	9	(7)	0	29	186	37	15
	65 - 69 years old	24	27	(1)	3	2	8	1	14	13	15	6	0	5	442	151	4
	70 - 74 years old	36	8	(7)	(3)	(1)	4	15	4	200	7	9	1	7	710	140	7
	75 years old and over	(3)	5	(25)	(5)	(8)	1	(7)	2	7	2	0	0	2	240	49	2

\* Above data show total of whole Japan. In detail, total throughout the country by 11 areas. Figures in the brackets represent number in deficiency

\* 10 samples are excluded from the above collection count for this year survey due to their overseas emigration

## Reference (3) Calculation method of weighted values of the survey

### <Calculation procedures>

- I. Calculate number of persons for each cell in case collection can be made up according to the population construction
- II. Calculation of weighted values

### <Calculation procedures in detail>

- I. Calculate number of persons for each cell in case collection can be made up according to the population construction
  - I-i.
    - Using the data of October to December 2023, create the data on the number of people in the population following the same procedure as the reference ①-I and calculate the entire component ratio for each cell  
However, 70 - 74 /75 years old and over cells will be included in one cell with 70 years old and over.
  - I-ii.
    - Calculate number of persons for each cell in case of collection of 55,953 can be made up according to the population, multiplying 55,953 excluded 10 samples of overseas emigrants out of the effective answer count of the survey by overall construction ratio of the population

### II. Calculation of weighted values

- Calculate the coefficient (weighted value) to make the actual collection count for each cell as the same number of persons calculated in I-ii
- The calculation was handled in the following 3 patterns: As for unemployment and non-labour force, the weighted value calculated with Pattern A is to be used; As for labour force of ages between 15 and 24, and 65 or over (excluding completely unemployed persons), the weighted value calculated with Pattern B is to be used; As for labour force of ages between 25 and 64, the weighted value calculated with Pattern C is to be used.

Pattern A: Number of all cells of the population produced in Reference (1)-I (2,816 cells)

Pattern B: 96 cells for other age groups by gender, stratified age group, status of employment, education background.

Pattern C: 1,056 cells for 25 - 64 years old by gender, stratified age group, status of employment, education background and areas.

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## Pattern A \* Hokkaido only as an example

Collection count (final example)

	Hokkaido																
	Labour force							Unemployment							Non-labour force		
	Below university	University or higher	Below university	University or higher	Attending school	Below university	University or higher	Below university	University or higher	Attending school	Below university	University or higher	Attending school	Below university	University or higher	Attending school	
Male	15-19 years old	0	0	0	0	0	0	2	10	1	0	0	0	3	2	0	11
	20-24 years old	2	6	0	1	0	4	1	1	0	0	0	1	1	0	2	4
	25-34 years old	3	0	1	0	0	0	71	47	16	13	1	2	4	4	3	0
	35-44 years old	14	3	2	1	0	4	141	126	31	38	6	1	5	12	10	1
	45-54 years old	23	11	2	1	24	7	244	186	44	20	4	2	5	11	8	0
	55-64 years old	7	0	0	0	14	8	53	38	20	15	3	2	0	13	7	0
	65-69 years old	3	1	1	0	4	4	8	12	17	1	0	0	0	20	11	0
	70 years old and over	12	4	0	0	8	3	6	1	11	8	2	0	0	37	26	2
Female	15-19 years old	1	0	0	0	2	0	14	16	11	0	0	0	11	3	0	10
	20-24 years old	2	0	0	0	0	14	16	15	2	2	1	1	2	2	1	10
	25-34 years old	4	0	0	0	0	70	36	42	18	2	1	1	1	27	7	0
	35-44 years old	8	1	0	0	0	32	20	18	10	0	0	0	0	22	10	0
	45-54 years old	5	1	1	1	5	0	61	13	63	11	7	1	0	47	7	1
	55-64 years old	7	1	0	0	1	32	13	19	1	1	0	0	1	49	1	1
	65-69 years old	3	0	0	0	2	0	1	2	22	3	0	0	0	50	4	0
	70 years old and over	2	2	2	0	2	0	3	1	31	1	0	0	3	46	4	0

Ideal count of persons in case collection can be made according to the population construction

	Hokkaido																
	Labour force							Unemployment							Non-labour force		
	Below university	University or higher	Below university	University or higher	Attending school	Below university	University or higher	Below university	University or higher	Attending school	Below university	University or higher	Attending school	Below university	University or higher	Attending school	
Male	15-19 years old	0	0	0	0	0	0	2	10	1	0	0	0	3	2	0	42
	20-24 years old	0	0	0	0	0	0	1	1	0	0	0	0	1	0	1	10
	25-34 years old	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	35-44 years old	0	0	0	0	0	0	13	2	34	46	8	7	0	2	0	2
	45-54 years old	0	0	0	0	0	0	131	8	19	46	6	4	0	0	0	8
	55-64 years old	0	0	0	0	0	0	6	4	50	32	16	10	2	2	0	14
	65-69 years old	0	0	0	0	0	0	4	2	0	0	0	0	0	15	7	0
	70 years old and over	0	0	0	0	0	0	1	1	4	3	17	8	1	1	0	161
Female	15-19 years old	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20-24 years old	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25-34 years old	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	35-44 years old	0	0	0	0	0	0	20	24	10	17	3	2	2	10	5	1
	45-54 years old	0	0	0	0	0	0	38	16	23	18	8	2	0	0	0	21
	55-64 years old	0	0	0	0	0	0	4	1	4	1	4	1	0	14	6	1
	65-69 years old	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
	70 years old and over	0	0	0	0	0	0	1	1	7	1	3	0	0	0	0	140

Calculate the coefficient to make the left table figures as the same ones in right table = weighted value Pattern A

As for, unemployment and non-labour force in blue frames, the weighted value calculated in this way is to be used

\* For attending school cells of labour force, Pattern A is to be used only for the persons of unemployment

## Pattern B & Pattern C \* All over the Country and Hokkaido as an example

Collection count (final effective example)

	All over the country														Hokkaido													
	Labour force							Non-labour force							Labour force							Non-labour force						
	Below university	University or higher	Attending school	Below university	University or higher	Attending school	Below university	University or higher	Attending school	Below university	University or higher	Attending school	Below university	University or higher	Attending school	Below university	University or higher	Attending school										
Male	15-19 years old	24540	16422	1855	7969	3082	1038	1902	759	75	429	119	49	...	...	...	...											
	20-24 years old	328	313	328	45	28	169	16	10	17	6	2	6	...	...	...	...											
	25-34 years old	1936	2512	110	195	78	37	165	62	4	8	3	0	...	...	...	...											
	35-44 years old	2342	2804	55	188	96	10	202	160	5	12	10	1	...	...	...	...											
	45-54 years old	3356	2383	48	231	85	2	365	238	5	17	8	0	...	...	...	...											
	55-64 years old	2424	1088	27	354	200	2	37	72	0	13	7	0	...	...	...	...											
	65-69 years old	683	378	8	478	337	8	35	24	0	30	11	0	...	...	...	...											
	70 years old and over	842	633	15	1163	807	19	39	18	0	57	36	2	...	...	...	...											
Female	15-19 years old	67	3	305	52	2	286	5	0	11	3	0	15	...	...	...	...											
	20-24 years old	765	578	626	97	94	227	35	20	25	2	1	12	...	...	...	...											
	25-34 years old	2209	1983	77	447	188	33	122	56	1	27	7	0	...	...	...	...											
	35-44 years old	2395	1301	38	558	280	12	121	38	0	22	10	0	...	...	...	...											
	45-54 years old	2471	987	40	872	219	7	186	27	0	47	7	1	...	...	...	...											
	55-64 years old	2650	535	23	1235	241	15	121	15	1	67	7	1	...	...	...	...											
	65-69 years old	829	138	5	837	171	4	46	5	0	50	4	0	...	...	...	...											
	70 years old and over	768	78	8	1228	184	8	40	4	2	66	6	0	...	...	...	...											

Ideal count of persons in case collection can be made according to the population construction

	All over the country														Hokkaido													
	Labour force							Non-labour force							Labour force							Non-labour force						
	Below university	University or higher	Attending school	Below university	University or higher	Attending school	Below university	University or higher	Attending school	Below university	University or higher	Attending school	Below university	University or higher	Attending school	Below university	University or higher	Attending school										
Male	15-19 years old	22250	11501	1315	15248	2744	2785	873	439	47	729	127	156	...	...	...	...											
	20-24 years old	328	313	328	45	28	169	16	10	17	6	2	6	...	...	...	...											
	25-34 years old	1481	1605	88	1000	37	32	52	57	3	3	1	1	...	...	...	...											
	35-44 years old	1855	1729	0	127	26	0	73	65	0	8	2	0	...	...	...	...											
	45-54 years old	2933	1731	0	178	42	5	108	66	0	8	2	0	...	...	...	...											
	55-64 years old	2211	1262	0	256	128	0	88	55	0	14	7	0	...	...	...	...											
	65-69 years old	788	383	0	486	164	0	33	15	0	22	8	0	...	...	...	...											
	70 years old and over	1074	497	0	3467	1143	0	40	19	0	161	53	0	...	...	...	...											
Female	15-19 years old	182	0	127	77	0	977	6	0	4	3	0	35	...	...	...	...											
	20-24 years old	487	207	483	23	3	200	19	3	15	1	0	12	...	...	...	...											
	25-34 years old	1367	1240	71	293	157	16	50	45	3	10	5	1	...	...	...	...											
	35-44 years old	1933	1087	5	464	221	0	75	42	0	21	10	0	...	...	...	...											
	45-54 years old	2027	812	0	874	159	0	163	23	0	29	7	0	...	...	...	...											
	55-64 years old	2413	425	0	892	158	0	105	18	0	48	8	0	...	...	...	...											
	65-69 years old	763	79	0	1006	83	0	32	3	0	30	3	0	...	...	...	...											
	70 years old and over	1034	107	0	6962	440	0	43	4	0	342	22	0	...	...	...	...											

Calculate the coefficient to make the left table figures as the same ones in right table = weighted value Pattern B and Pattern C

Pattern B: For labor force of 15 - 24 years old and 65 years old and over (excluding unemployment) in blue frames, the weighted value calculated in all areas of the country is used.

Pattern C: For labor force of 25 - 64 years old (excluding unemployment) in red frames, the weighted value calculated in each area is used.

# Reference (4) Comparison of the survey results and official statistics

Comparison between aggregated results in the survey (after weighted aggregation) and construction ratio in official statistics shows as below; The results of this survey appear not strongly biased, even compared with official statistics.

<Construction ratio by gender, stratified age group and type of employment>

Japanese Panel Study of Employment Dynamics 2024

The population produced in Reference (1)-I

		All over the country									
		Labour force						Non-labour force			
		Self-employed worker	Family worker	Executive of company or corporation	Regular employee	Non-regular employee	Unemployment	Attending school	previously graduated	Attending school	previously graduated
		n (persons)	previously graduated	previously graduated	previously graduated	previously graduated	previously graduated	Attending school	previously graduated	Attending school	previously graduated
Male		8920	5.2	1.0	2.8	31.5	18.7	1.3	2.3	32.1	4.8
15 - 19 years old	1419	0.9	0.0	0.0	0.1	0.1	0.0	0.2	0.1	1.9	
20 - 24 years old	1617	0.1	0.0	0.0	0.9	0.4	0.0	0.8	0.1	0.7	
25 - 34 years old	3378	0.2	0.0	0.1	4.3	0.8	0.2	0.2	0.2	0.0	
35 - 44 years old	3839	0.4	0.0	0.2	5.1	0.7	0.2	0.0	0.3	0.0	
45 - 54 years old	4792	0.7	0.1	0.5	8.1	0.7	0.1	0.0	0.4	0.0	
55 - 64 years old	3982	0.7	0.0	0.8	3.8	1.3	0.2	0.0	0.7	0.0	
65 - 69 years old	1825	0.4	0.0	0.2	0.4	0.9	0.1	0.0	1.2	0.0	
70 years old and over	8177	0.9	0.0	0.4	0.3	1.2	0.0	0.0	8.2	0.0	
Female		1347	0.0	0.0	0.0	0.1	0.2	0.0	0.1	1.7	
15 - 19 years old	1536	0.1	0.0	0.1	0.7	0.4	0.0	0.9	0.0	0.8	
20 - 24 years old	3177	0.2	0.0	0.1	2.5	1.4	0.1	0.1	0.8	0.0	
25 - 34 years old	3720	0.3	0.1	0.1	2.5	2.3	0.1	0.0	1.2	0.0	
35 - 44 years old	4706	0.3	0.2	0.1	2.8	3.4	0.1	0.0	1.5	0.0	
45 - 54 years old	4650	0.3	0.2	0.2	1.5	2.3	0.1	0.0	2.1	0.0	
55 - 64 years old	1908	0.2	0.1	0.1	0.2	0.9	0.0	0.0	1.8	0.0	
65 - 69 years old	8547	0.3	0.2	0.1	0.2	1.2	0.0	0.0	13.2	0.0	

		All over the country									
		Labour force						Non-labour force			
		Self-employed worker	Family worker	Executive of company or corporation	Regular employee	Non-regular employee	Unemployment	Attending school	previously graduated	Attending school	previously graduated
		n (persons)	previously graduated	previously graduated	previously graduated	previously graduated	previously graduated	Attending school	previously graduated	Attending school	previously graduated
Male		10980	4.5	1.1	3.1	31.7	18.4	1.4	2.2	32.4	5.3
15 - 19 years old	281	0.0	0.0	0.0	0.1	0.2	0.0	0.2	0.1	2.0	
20 - 24 years old	316	0.0	0.0	0.0	0.7	0.5	0.1	0.8	0.0	0.7	
25 - 34 years old	691	0.2	0.0	0.1	4.4	0.7	0.2	0.1	0.3	0.1	
35 - 44 years old	799	0.4	0.0	0.3	5.2	0.5	0.2	0.0	0.3	0.0	
45 - 54 years old	945	0.6	0.1	0.6	6.2	0.6	0.2	0.0	0.4	0.0	
55 - 64 years old	787	0.7	0.0	0.8	3.8	1.2	0.2	0.0	0.7	0.0	
65 - 69 years old	382	0.4	0.0	0.2	0.4	0.9	0.1	0.0	1.2	0.0	
70 years old and over	1203	0.9	0.0	0.5	0.3	1.0	0.0	0.0	8.2	0.0	
Female		298	0.0	0.0	0.0	0.0	0.3	0.0	0.2	0.1	1.8
15 - 19 years old	299	0.0	0.0	0.0	0.7	0.5	0.1	0.8	0.0	0.8	
20 - 24 years old	620	0.1	0.0	0.0	3.0	1.4	0.1	0.1	0.8	0.0	
25 - 34 years old	744	0.2	0.1	0.1	2.5	2.4	0.1	0.0	1.4	0.0	
35 - 44 years old	928	0.2	0.2	0.2	2.7	3.5	0.1	0.0	1.6	0.0	
45 - 54 years old	775	0.2	0.2	0.2	1.5	2.8	0.1	0.0	2.1	0.0	
55 - 64 years old	380	0.1	0.1	0.1	0.2	0.9	0.0	0.0	2.0	0.0	
65 - 69 years old	1682	0.3	0.3	0.2	0.2	0.9	0.0	0.0	13.2	0.0	

\* % values in the table represent percentage of total

\* Since the weighted aggregation is implemented, total (n) of Japanese Panel Study of Employment Dynamics 2024 is not identical with the actual collection count

<Construction ratio of regular and non-regular by gender and stratified age group, for employees>

Japanese Panel Study of Employment Dynamics 2024

Statistics Bureau, Ministry of Internal Affairs and Communications "Labour Force Survey (Basic Tabulation)" December, 2023

		n (persons)			Regular employee		Non-regular employee	
		n (persons)	Regular employee	Non-regular employee	Regular employee (%)	Non-regular employee (%)	Regular employee (%)	Non-regular employee (%)
Male	15 - 24 years old	1324	43.6	56.4	3.3	4.3	3.3	4.3
	25 - 34 years old	2901	84.2	15.8	2.9	0.5	2.9	0.5
	35 - 44 years old	3253	87.9	12.1	2.7	0.4	2.7	0.4
	45 - 54 years old	3784	89.7	10.3	2.4	0.3	2.4	0.3
	55 - 64 years old	2761	72.7	27.3	2.6	1.0	2.6	1.0
	65 years old and over	1534	24.0	76.0	1.6	4.8	1.6	4.8
Female	15 - 24 years old	1285	33.5	66.5	2.6	5.2	2.6	5.2
	25 - 34 years old	2449	66.1	33.9	2.7	1.4	2.7	1.4
	35 - 44 years old	2697	52.7	47.3	1.9	1.8	1.9	1.8
	45 - 54 years old	3456	45.3	54.7	1.3	1.6	1.3	1.6
	55 - 64 years old	2450	34.1	65.9	1.4	2.7	1.4	2.7
	65 years old and over	1393	13.9	86.1	1.0	6.1	1.0	6.1

		n (x 10,000 persons)			Regular employee		Non-regular employee	
		n (x 10,000 persons)	Regular employee	Non-regular employee	Regular employee (%)	Non-regular employee (%)	Regular employee (%)	Non-regular employee (%)
Male	15 - 24 years old	277	46.9	53.1	16.9	19.5	16.9	19.5
	25 - 34 years old	569	85.9	14.1	15.1	2.5	15.1	2.5
	35 - 44 years old	608	90.5	9.5	14.8	1.6	14.8	1.6
	45 - 54 years old	733	92.4	7.6	12.6	1.7	12.6	1.7
	55 - 64 years old	555	73.5	26.5	13.3	4.7	13.3	4.7
	65 years old and over	298	28.9	71.1	10.3	23.8	10.3	23.8
Female	15 - 24 years old	280	41.4	58.6	14.8	20.8	14.8	20.8
	25 - 34 years old	493	68.8	31.2	12.5	6.3	12.5	6.3
	35 - 44 years old	530	52.8	47.2	9.8	8.9	9.8	8.9
	45 - 54 years old	683	44.8	55.2	6.6	8.1	6.6	8.1
	55 - 64 years old	495	33.7	66.3	13.3	26.7	13.3	26.7
	65 years old and over	254	16.9	83.1	6.3	32.8	6.3	32.8

<Unemployment rate by region>

Japanese Panel Study of Employment Dynamics 2024

Statistics Bureau, Ministry of Internal Affairs and Communications "Labour Force Survey (Basic Tabulation)" October - December 2023 (Seasonally adjusted values)

Hokkaido	Tohoku	Minami kanto	Kitakanto /koshin	Hokuriku	Tokai	Kinki	Chugoku/ Shikoku	Kyusyu/ Okinawa
2.3	2.9	2.4	1.6	0.5	1.7	2.5	1.7	2.2

Hokkaido	Tohoku	Minami kanto	Kitakanto /koshin	Hokuriku	Tokai	Kinki	Chugoku/ Shikoku	Kyusyu/ Okinawa
2.8	2.9	2.6	2.7	1.9	2.0	2.8	2.0	2.6 (9%)