

Survey Design of Japanese Panel Study of Employment Dynamics

1. Outline of the Survey	
Purpose	To clarify the conditions and changes in employment and unemployment across Japan
Survey items	Employment status over the past year, living conditions, first job, previous job circumstances, personal attributes, etc.
Survey volume	about 100 questions Survey 2025:108 questions
2. Period of the Survey	
Survey period	Every January (e.g., January 6-31, 2025)
3. Coverage of the Survey	
Survey districts	Across Japan
Target respondents	Men and women aged 15 and above across Japan
Exclusion conditions	None (no condition on occupation/survey cooperation records)
4. Method of the Survey	
Survey method	Online survey
Sampling method	Extract respondents satisfying the conditions from the monitor managed by Intage Inc.
Sample design	Stratified sampling set to reflect the population based on data from the Labour Force Survey published by the Ministry of Internal Affairs and Communications Statistics Bureau (inclusion criteria: gender, age group, employment status, regional block, and educational background). However, for the non-working population aged 15-19 and 65-69, and those aged 70 or older, the sample sizes are smaller than the actual figures.
Valid responses	JPSED 2025 :56,218 There are three types of respondents: ongoing samples (those who responded last year), additional samples (new respondents), and reactivated samples (respondents from prior to 2023 who did not respond to the 2024 survey) ・ Ongoing: 42,298 respondents (out of 53,655 requested, response rate: 78.8%); ・ Additional samples: 9,276 respondents (out of 17,963 requested, response rate: 51.6%); ・ Reactivated: 4,644 (out of 32,224 requested, response rate: 14.4%) * 15 samples out of the above were excluded from aggregating targets due to overseas emigration
5. Aggregation Method	
Weighting adjustments	Weighting adjustments are necessary to reflect the population composition since stratified sampling was set lower than actual proportion of the non-working population aged 15-19 and 65-69, and those aged 70 or above.

1. Outline of the Survey

In the Japanese Panel Study of Employment Dynamics, the following items were asked in the 2025 survey to clarify the conditions and changes in employment and unemployment across Japan.

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	Status of Second Job	
Q17	Labour force status of December	Q73	With or without taking second job
Status as in Last December		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	Status of Initial Employment	
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	Status of Previous Employment	
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	Status around the Delivery of the Youngest Child	
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	Others	
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 of the survey is to clarify the status of the previous one year prior to the survey period, the survey is conducted every January. The 2025 survey was conducted from January 6 to January 31, 2025.

3. Coverage of the Survey

The target respondents are men and women of 15 and above without upper age limit. The survey was conducted not as a complete census but sample survey. (Refer to “4. Method of the Survey”)

4. Method of the Survey

The survey was conducted as an online survey. Respondents (monitors) were selected from the monitors of men and women aged 15 and above managed by the research company. The survey respondents submit their answers via an internet-based system.

Discrepancies often exist between the composition of the monitors (e.g., age, occupation) and that of the target population. To ensure the survey results were as representative of the population as possible, a stratified sampling is used. Target sample sizes were calculated based on gender, age group, employment status, regional block, and educational background. Data was then collected to meet these specific target numbers (allocations).

At this stage, if the target numbers were allocated strictly according to the population composition, total volume of non-working groups of the 15-19 and 65-69 age group, and persons aged 70 and over would be large. This would, in turn, reduce the sample size of the working population, which is the target for our detailed analysis. Therefore, the survey was designed to obtain larger number of working people samples by allocating fewer figures to the non-working population aged 15-19 and 65-69, and those aged 70 or older. (Refer to Reference (1) “Production method of population value data and allocation by gender, stratified age group, type of employment, district block and educational background”)

In the 2025 survey, we firstly asked all the people who could be requested out of the respondents of the surveys before 2024 (continued and revived samples), to answer the survey. Of the 85,879 persons from this group who remained in the monitor and were invited, 46,942 responded. In the next stage, new respondents were recruited from the monitor and invited to the survey to fill the remaining allocation. Out of the 17,963 new respondents invited, 9,276 responses were obtained. In total, the 2025 survey achieved 56,218 valid responses.

(Refer to “Reference (2) Allocation and response 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 response amount of those areas slightly declined compared to other years.

5. Aggregation Method

For the non-working population aged 15-19 and 65-69, as well as those aged 70 and above, the sample allocation is intentionally set lower than the actual figures. Therefore, in order to reflect the actual population composition, weighting adjustments are necessary so that the aggregated results approximate the population values established during the sample design phase described in Section 4, “Method of the Survey.”

(Refer to “Reference (3) Calculation method of weighted values of the survey”)

It is verified that major bias can be eliminated from the survey results even compared with official statistics by allocation with detailed segmentation under consideration of the representativeness in the stage of sample design, followed by weighting adjustments.

(Refer to “Reference (4) Comparison of the survey results and official statistics”)

Reference (1) Production method of population value data and stratified sampling by gender, age group, employment status, regional block, and educational 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 2023 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 2023 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	Unemployment	
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							

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 2023 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 educational background” from October to December 2023 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		
Male	15 - 19 years old							Attending school	
	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 2023 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 educational 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 target allocation cells is completed. Produce 3,168 cells (cells x 11 areas = 3,168) as below;

		Hokkaido																
		Labour force															Non-labour force	
		Self employed worker		Family worker		Executive of company or corporation		Regular employee		Non-regular employee		Unemployment		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	Below university	University or higher					
		13	6	4	1	9	4	81	49	60	22	5	3	9	142	25	21	
Male	15 - 19 years old	0	0	0	0	0	0	0	0	1	0	0	0	1	1	0	8	
	20 - 24 years old	0	0	0	0	0	0	3	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	1	1	0	0	
	35 - 44 years old	1	1	0	0	1	0	11	9	2	1	1	0	0	2	0	0	
	45 - 54 years old	2	1	0	0	2	2	16	9	1	1	0	0	0	2	0	0	
	55 - 64 years old	2	2	0	0	1	1	10	6	3	2	1	0	0	3	1	0	
	65 - 69 years old	1	0	0	0	1	0	2	1	3	1	0	0	0	5	1	0	
	70 - 74 years old	1	0	0	0	1	0	1	0	2	1	0	0	0	8	3	0	
	75 years old and over	1	0	0	0	1	0	0	0	1	1	0	0	0	23	8	0	
Female	15 - 19 years old	0	0	0	0	0	0	0	0	1	0	0	0	1	1	0	7	
	20 - 24 years old	0	0	0	0	0	0	2	1	1	1	0	0	4	0	0	2	
	25 - 34 years old	1	0	0	0	0	0	5	5	4	3	1	0	1	2	1	0	
	35 - 44 years old	1	0	1	0	0	0	6	4	6	4	1	0	0	4	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	5	1	12	2	1	0	0	9	2	0	
	65 - 69 years old	1	0	0	0	0	0	1	0	4	0	0	0	0	10	1	0	
	70 - 74 years old	1	0	1	0	0	0	0	0	3	0	0	0	0	16	1	0	
	75 years old and over	1	0	1	0	0	0	0	0	1	0	0	0	0	52	3	0	

* Created population data using data of October to December 2023 since the data of October to December 2024 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 2024 at the tabulation phase since the data of October to December 2024 will be disclosed by the end of the survey

II. Correct population data for stratified sampling : 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 above 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 above, make the total of non-labour force count a half of the labour force
 - The composition of educational 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 composition.
- II-iii. After adjustment, the population composition is calculated
- Calculate the overall proportion of each cell for the population data in II-ii

- Allocate 43,000 persons adapting to the proportion calculated in II-iii
- Now, allocation of 3,168 cells is completed ($18 \times 16 \text{ cells} \times 11 \text{ areas} = 3,168$). The survey was conducted using this allocation as the target for data collection.

7

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

Quinquennal		Labour status												Non-labour force															
Male	Female	Self-employed workers				Family worker				Executive of company or profession				Regular employee				Non-regular employee				Unemployment				Attending			
		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		Below university		University or higher	
		50	13	0	5	0	5	121	77	79	38	3	3	1	4	38	8	18	0	0	0	0	0	0	0	0	0	0	
Male	15-19 years old	0	0	0	0	0	0	0	0	0	0	0	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	1	2	1	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	10	14	3	3	3	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	
	35-44 years old	0	0	0	0	0	0	0	12	17	3	3	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	45-54 years old	3	2	0	0	3	2	0	20	18	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	55-64 years old	3	2	0	0	3	2	0	13	8	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	65-69 years old	1	1	0	0	1	0	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	70-74 years old	1	1	0	0	1	0	0	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	75 years old and over	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Female	15-19 years old	0	0	0	0	0	0	0	0	0	0	0	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	2	1	0	0	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	11	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
35-44 years old		3	2	0	0	0	0	0	14	8	10	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
45-54 years old		4	1	0	0	0	0	0	17	5	10	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
55-64 years old		0	0	0	0	0	0	0	14	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
65-69 years old		1	0	0	0	0	0	0	0	0	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
70-74 years old		1	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
75 years old and over		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

Quinquennal		Labour status												Non-labour force															
Male	Female	Self-employed workers				Family worker				Executive of company or profession				Regular employee				Non-regular employee				Unemployment				Attending			
		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		Below university		University or higher	
		50	13	0	5	0	5	121	77	79	38	3	3	1	4	38	8	18	0	0	0	0	0	0	0	0	0	0	
Male	15-19 years old	0	0	0	0	0	0	0	0	0	0	0	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	1	2	1	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	10	14	3	3	3	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	
	35-44 years old	0	0	0	0	0	0	0	12	17	3	3	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	45-54 years old	3	2	0	0	3	2	0	20	18	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	55-64 years old	3	2	0	0	3	2	0	13	8	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	65-69 years old	1	1	0	0	1	0	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	70-74 years old	1	1	0	0	1	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	75 years old and over	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Female	15-19 years old	0	0	0	0	0	0	0	0	0	0	0	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	2	1	0	0	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	11	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
35-44 years old		3	2	0	0	0	0	0	14	8	10	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
45-54 years old		4	1	0	0	0	0	0	17	5	10	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
55-64 years old		0	0	0	0	0	0	0	14	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
65-69 years old		1	0	0	0	0	0	0	0	0	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
70-74 years old		1	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
75 years old and over		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

Reference (2)

stratified sampling and response count

The actual valid responses obtained is as below after the implementation of survey with the target of the allocation produced in Reference (1).

Location		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
		1565	800	403	110	1092	548	11461	7219	7545	2881	522	310	1392	4801	1239	1088
Male	15・19 years old	4	0	0	0	0	0	41	0	151	0	4	0	112	5	0	140
	20・24 years old	11	5	0	0	0	0	310	122	240	96	28	13	458	29	1	399
	25・34 years old	58	60	6	6	31	32	1217	1318	214	229	56	58	92	105	38	33
	35・44 years old	133	119	12	12	95	86	1590	1426	163	147	53	48	0	132	29	0
	45・54 years old	235	142	12	8	234	142	2260	1380	205	124	53	32	0	189	44	5
	55・64 years old	245	154	3	2	218	135	1348	851	470	295	60	36	0	271	136	0
	65・69 years old	158	73	6	0	99	45	182	86	362	168	27	13	0	461	145	0
	70・74 years old	88	41	6	0	39	16	48	23	137	65	2	1	0	178	52	0
	75 years old and over	102	48	6	0	45	20	23	9	70	31	2	1	0	135	36	0
Female	15・19 years old	1	0	0	0	0	0	24	0	165	0	1	0	136	5	0	144
	20・24 years old	1	1	0	0	2	1	254	108	240	100	20	10	513	26	1	351
	25・34 years old	37	36	9	9	6	6	932	845	421	383	48	46	76	311	166	16
	35・44 years old	83	50	36	22	29	18	978	548	869	488	46	28	5	492	237	0
	45・54 years old	128	33	68	17	86	21	1324	352	1578	421	55	14	0	715	167	0
	55・64 years old	119	23	84	16	102	20	786	137	1481	253	52	10	0	1050	167	0
	65・69 years old	70	8	65	6	49	4	97	12	518	55	12	0	0	423	20	0
	70・74 years old	38	2	41	6	27	1	23	1	178	18	3	0	0	157	0	0
	75 years old and over	54	5	49	6	30	1	24	1	83	8	0	0	0	117	0	0
Collection count (final effective samples)																	
		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
		2109	1227	498	151	1179	691	12123	10825	8726	3592	481	279	1879	8108	3313	1022
Male	15・19 years old	3	0	0	0	5	0	8	0	8	4	0	1	116	52	0	205
	20・24 years old	14	10	2	2	8	5	150	182	70	41	10	12	266	48	20	122
	25・34 years old	101	84	19	12	37	40	1163	2193	322	270	45	45	96	166	107	31
	35・44 years old	144	121	26	17	86	87	1753	2152	318	246	45	44	64	180	106	6
	45・54 years old	281	179	34	20	229	148	2377	1904	317	166	54	23	49	241	107	3
	55・64 years old	277	180	13	3	229	140	1392	959	496	303	55	38	45	313	202	5
	65・69 years old	169	116	5	2	101	61	186	114	373	268	21	11	12	476	351	11
	70・74 years old	194	124	7	5	85	54	83	30	313	195	7	3	12	696	566	9
	75 years old and over	124	95	3	1	38	41	22	16	109	78	3	1	8	541	405	14
Female	15・19 years old	7	0	3	2	1	0	7	0	49	9	5	0	320	60	2	341
	20・24 years old	47	11	11	5	29	16	346	388	277	117	32	12	642	115	45	188
	25・34 years old	94	65	25	10	39	25	1169	1457	787	491	44	38	91	404	222	28
	35・44 years old	136	76	42	20	27	18	1066	757	1016	526	44	25	56	541	310	10
	45・54 years old	171	60	86	19	76	18	1406	477	1718	462	52	13	45	869	239	10
	55・64 years old	148	61	88	16	99	22	831	167	1564	290	50	11	43	1210	234	15
	65・69 years old	78	25	66	7	37	10	103	20	541	86	9	0	6	840	180	9
	70・74 years old	66	12	44	5	29	5	43	5	343	29	5	2	7	914	154	9
	75 years old and over	55	8	24	5	24	1	18	4	105	11	0	0	1	442	63	6
Excess/deficiency count																	
		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
		544	427	95	41	87	143	662	3606	1181	711	(41)	(31)	487	3307	2074	(66)
Male	15・19 years old	(1)	0	0	0	5	0	(33)	0	(143)	4	(4)	1	4	47	0	65
	20・24 years old	3	5	2	2	8	5	(160)	60	(170)	(55)	(18)	(1)	(192)	19	19	(277)
	25・34 years old	43	24	13	6	6	8	(54)	875	108	41	(11)	(13)	4	61	69	(2)
	35・44 years old	11	2	14	5	(9)	1	163	726	155	99	(8)	(4)	64	48	77	6
	45・54 years old	46	37	22	12	(5)	6	117	524	112	42	1	(9)	49	52	63	(2)
	55・64 years old	32	26	10	1	11	5	44	108	26	8	(5)	2	45	42	66	5
	65・69 years old	11	43	(1)	2	2	16	4	28	11	100	(6)	(2)	12	15	206	11
	70・74 years old	106	83	1	5	46	38	35	7	176	130	5	2	12	518	514	9
	75 years old and over	22	47	(3)	1	(7)	21	(1)	7	39	47	1	0	8	406	369	14
Female	15・19 years old	6	0	3	2	1	0	(17)	0	(116)	9	4	0	184	55	2	197
	20・24 years old	46	10	11	5	27	15	92	280	37	17	12	2	129	89	44	(163)
	25・34 years old	57	29	16	1	33	19	237	612	366	108	(4)	(8)	15	93	56	12
	35・44 years old	53	26	6	(2)	(2)	0	88	209	147	38	(2)	(3)	51	49	73	10
	45・54 years old	43	27	18	2	(10)	(3)	82	125	140	41	(3)	(1)	45	154	72	10
	55・64 years old	29	38	4	0	(3)	2	45	30	83	37	(2)	1	43	160	67	15
	65・69 years old	8	17	1	1	(12)	6	6	8	23	31	(3)	0	6	417	160	9
	70・74 years old	28	10	3	(1)	2	4	20	4	165	11	2	2	7	757	154	9
	75 years old and over	1	3	(25)	(1)	(6)	0	(6)	3	22	3	0	0	1	325	63	6

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

<Calculation procedures>

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

<Calculation procedures in detail>

- I. Calculate number of persons for each cell in case responses can be made up according to the population composition
 - I-i.
 - Using the data of October to December 2024, 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 responses of 56,203 can be made up according to the population, multiplying 56,203 excluded 15 samples of overseas emigrants out of the valid response count of the survey by overall proportion of the population

II. Calculation of weighted values

- Calculate the coefficient (weighted value) to make the actual response 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, educational background.

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

Japanese Panel Study of Employment Dynamics 2025

Pattern A * Hokkaido only as an example

Collection count (final sample)		Hokkaido														
		Labour force					Non-labour force					Unemployment				
		Self-employed worker		Family worker		Executive of company or corporation		Regular employee		Non-regular employee		Unemployed		Attending school		Total
		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	Below university	University or higher	
Male	15-19 years old	184	47	89	3	11	25	141	489	489	136	25	25	89	489	42
	20-24 years old	0	0	0	0	0	0	0	0	0	0	0	0	17	1	0
	25-34 years old	0	0	0	0	0	0	0	0	0	0	0	0	17	1	0
	35-44 years old	10	0	0	1	7	4	110	86	27	15	5	3	2	12	0
	45-54 years old	29	11	1	1	19	8	250	180	40	24	6	5	6	20	0
	55-64 years old	0	0	1	1	12	7	60	24	17	16	3	2	3	11	0
	65-69 years old	0	0	1	1	0	4	10	10	15	17	0	0	0	29	12
	70 years old and over	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Female	15-19 years old	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
	20-24 years old	2	0	1	0	1	0	23	10	10	2	2	0	31	6	0
	25-34 years old	2	0	2	0	0	0	16	37	0	0	0	0	0	20	1
	35-44 years old	9	3	1	2	0	0	47	28	31	13	0	0	3	24	12
	45-54 years old	5	2	0	0	0	0	81	9	87	9	3	0	2	44	7
	55-64 years old	6	1	4	1	0	0	38	17	14	0	1	0	0	40	8
	65-69 years old	1	0	0	0	0	1	6	2	23	5	0	0	0	60	1
	70 years old and over	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0

Ideal count of persons in case collection can be made according to the population construction		Hokkaido														
		Labour force					Non-labour force					Unemployment				
		Self-employed worker		Family worker		Executive of company or corporation		Regular employee		Non-regular employee		Unemployed		Attending school		Total
		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	Below university	University or higher	
Male	15-19 years old	18	36	17	3	40	83	422	285	282	121	16	18	42	885	100
	20-24 years old	0	0	0	0	0	0	10	4	7	3	0	0	17	1	0
	25-34 years old	0	0	0	0	0	0	42	42	8	6	3	3	2	2	0
	35-44 years old	0	0	0	0	0	0	42	42	8	6	3	3	2	2	0
	45-54 years old	9	6	0	0	0	0	4	75	35	6	4	3	2	0	0
	55-64 years old	0	0	0	0	0	0	4	52	35	12	6	3	2	0	0
	65-69 years old	0	0	0	0	0	0	3	9	5	14	0	0	0	0	0
	70 years old and over	12	0	0	0	0	0	4	16	1	0	0	0	0	198	36
Female	15-19 years old	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	17	1	0
	25-34 years old	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	0	0	0	0	0	0	0	0	0
	45-54 years old	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	55-64 years old	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	65-69 years old	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	70 years old and over	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0

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 sample)		All over the country														
		Labour force					Non-labour force					Unemployment				
		Self-employed worker		Family worker		Executive of company or corporation		Regular employee		Non-regular employee		Unemployed		Attending school		Total
		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	Below university	University or higher	
Male	15-19 years old	28114	16265	1378	8108	3313	1022	1435	799	85	438	122	42			
	20-24 years old	254	323	286	48	20	122	11	8	17	1	0	3			
	25-34 years old	1687	2644	96	168	107	31	85	74	4	8	2	1			
	35-44 years old	2272	2667	64	180	106	6	168	116	2	12	6	1			
	45-54 years old	3292	2440	49	241	107	3	351	229	6	20	9	0			
	55-64 years old	2482	1823	48	213	202	5	101	87	0	11	8	0			
	65-69 years old	885	972	12	476	391	11	40	27	0	28	12	0			
	70 years old and over	888	643	20	1237	971	23	39	17	2	65	39	1			
Female	15-19 years old	72	111	230	80	2	241	2	2	30	0	0	0			
	20-24 years old	723	545	625	115	45	189	44	12	31	6	0	5			
	25-34 years old	2133	2088	91	404	222	28	110	51	8	22	7	1			
	35-44 years old	2331	1422	56	541	310	10	108	45	9	24	12	0			
	45-54 years old	3006	1049	45	889	239	10	162	20	2	44	7	0			
	55-64 years old	2280	567	42	1210	234	15	131	16	1	60	8	1			
	65-69 years old	524	146	9	640	180	5	38	5	0	60	5	1			
	70 years old and over	756	87	8	1266	217	15	44	5	0	75	7	0			

Ideal count of persons in case collection can be made according to the population construction		All over the country														
		Labour force					Non-labour force					Unemployment				
		Self-employed worker		Family worker		Executive of company or corporation		Regular employee		Non-regular employee		Unemployed		Attending school		Total
		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	Below university	University or higher	
Male	15-19 years old	22125	12647	1462	14947	2935	2717	387	438	87	689	135	101			
	20-24 years old	201	0	122	0	0	1060	6	0	4	0	0	0			
	25-34 years old	525	223	505	25	3	361	17	7	17	1	0	13			
	35-44 years old	1589	174	78	90	53	37	35	55	3	2	2	1			
	45-54 years old	1935	1676	0	138	27	0	72	62	0	4	1	0			
	55-64 years old	2692	1859	0	188	45	0	103	71	0	8	2	0			
	65-69 years old	2221	1465	0	277	139	0	82	52	0	17	9	0			
	70 years old and over	746	419	0	488	169	0	33	18	0	21	8	0			
Female	15-19 years old	162	0	137	99	0	933	7	0	2	4	0	0			
	20-24 years old	432	233	503	26	5	299	16	8	12	1	0	11			
	25-34 years old	1439	1299	62	285	130	22	50	43	2	12	6	1			
	35-44 years old	1884	1101	0	413	189	5	71	42	0	14	7	0			
	45-54 years old	2647	912	0	612	179	0	122	37	0	28	8	0			
	55-64 years old	2543	457	0	957	173	0	189	25	0	43	8	0			
	65-69 years old	745	195	0	842	31	0	33	5	0	46	3	0			
	70 years old and over	887	143	0	886	513	0	43	6	0	39	25	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 weighting adjustments) and construction ratio in official statics shows as below; The results of this survey appear not strongly biased, even compared with official statics.

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

JPSED 2025

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					
		n (persons)	previously graduated	previously graduated	previously graduated	previously graduated	previously graduated	previously graduated	Attending school	previously graduated	Attending school	
		56251	5.2	1.0	2.9	31.7	18.9	1.2	2.5	31.8	4.8	
Male	15・19 years old	1443	0.0	0.0	0.1	0.1	0.0	0.2	0.1	1.9		
	20・24 years old	1620	0.1	0.0	0.0	0.8	0.3	0.0	0.9	0.0	0.6	
	25・34 years old	3433	0.3	0.0	0.1	4.2	0.8	0.2	0.1	0.3	0.1	
	35・44 years old	3780	0.3	0.1	0.2	5.0	0.7	0.1	0.0	0.3	0.0	
	45・54 years old	4804	0.7	0.1	0.5	8.0	0.7	0.1	0.0	0.4	0.0	
	55・64 years old	4121	0.7	0.0	0.8	3.8	1.3	0.2	0.0	0.7	0.0	
	65・69 years old	1795	0.4	0.0	0.2	0.4	0.9	0.0	0.0	1.1	0.0	
70 years old and over		6234	0.8	0.0	0.4	0.3	1.2	0.0	0.0	8.2	0.0	
Female	15・19 years old	1347	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	1.7	
	20・24 years old	1524	0.1	0.0	0.0	0.7	0.4	0.0	0.9	0.1	0.5	
	25・34 years old	3227	0.2	0.0	0.1	3.0	1.3	0.1	0.1	0.7	0.0	
	35・44 years old	3601	0.3	0.1	0.1	2.6	2.2	0.1	0.0	1.1	0.0	
	45・54 years old	4683	0.3	0.2	0.1	2.8	3.3	0.1	0.0	1.4	0.0	
	55・64 years old	4145	0.3	0.2	0.2	1.9	3.0	0.1	0.0	2.0	0.0	
	65・69 years old	1889	0.2	0.1	0.1	0.2	1.0	0.0	0.0	1.8	0.0	
70 years old and over		8605	0.3	0.2	0.1	0.2	1.2	0.0	0.0	13.3	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				
		previously graduated	previously graduated	previously graduated	previously graduated	previously graduated	previously graduated	Attending school	previously graduated	Attending school	
n (persons)											
10947		4.7	1.0	3.1	31.8	18.6	1.4	2.4	32.2	5.0	
Male	15・19 years old	281	0.0	0.0	0.0	0.1	0.3	0.0	0.2	0.2	1.9
	20・24 years old	317	0.0	0.0	0.0	0.7	0.6	0.1	0.9	0.1	0.5
	25・34 years old	654	0.2	0.0	0.1	4.3	0.7	0.2	0.2	0.2	0.1
	35・44 years old	745	0.4	0.0	0.3	5.1	0.5	0.2	0.0	0.3	0.0
	45・54 years old	937	0.6	0.0	0.6	8.1	0.6	0.1	0.0	0.4	0.0
	55・64 years old	780	0.7	0.0	0.8	3.7	1.3	0.2	0.0	0.7	0.0
	65・69 years old	365	0.4	0.0	0.2	0.5	0.9	0.1	0.0	1.2	0.0
70 years old and over		1209	1.0	0.0	0.4	0.3	1.0	0.0	0.0	8.2	0.0
Female	15・19 years old	287	0.0	0.0	0.0	0.0	0.3	0.0	0.2	0.1	1.7
	20・24 years old	306	0.0	0.0	0.0	0.6	0.6	0.0	0.9	0.0	0.5
	25・34 years old	615	0.1	0.0	0.0	3.0	1.4	0.2	0.1	0.8	0.0
	35・44 years old	728	0.2	0.1	0.1	2.8	2.3	0.1	0.0	1.2	0.0
	45・54 years old	920	0.3	0.1	0.2	2.8	3.4	0.1	0.0	1.5	0.0
	55・64 years old	792	0.2	0.2	0.2	1.9	2.9	0.1	0.0	2.1	0.0
	65・69 years old	374	0.1	0.1	0.1	0.2	1.0	0.0	0.0	1.9	0.0
70 years old and over		1675	0.4	0.3	0.2	0.2	1.0	0.0	0.0	13.3	0.0

- * % values in the table represent percentage of total
- * Since the weighting adjustments are implemented, total (n) of Japanese Panel Study of Employment Dynamics 2025 is not identical with the actual response count

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

JPSED 2025

Statistics Bureau, Ministry of Internal Affairs and Communications “Labour Force Survey (Basic Tabulation)” December, 2024

		(%)		
		n (persons)	Regular employee	Non-regular employee
Male	15・24 years old	1324	40.7	59.3
	25・34 years old	2912	82.6	17.4
	35・44 years old	3204	87.1	12.9
	45・54 years old	3773	89.8	10.2
	55・64 years old	2854	74.8	25.2
	65 years old and over	1607	24.7	75.3
Female	15・24 years old	1328	31.0	69.0
	25・34 years old	2565	65.9	34.1
	35・44 years old	2684	54.1	45.9
	45・54 years old	3458	46.3	53.7
	55・64 years old	2560	34.8	65.2
	65 years old and over	1402	14.4	85.6

		(%)		
		n (x 10,000 persons)	Regular employee	Non-regular employee
Male	15・24 years old	291	46.0	54.0
	25・34 years old	569	85.4	14.6
	35・44 years old	603	91.4	8.6
	45・54 years old	727	92.0	8.0
	55・64 years old	554	76.2	23.8
	65 years old and over	309	28.5	71.5
Female	15・24 years old	292	39.0	61.0
	25・34 years old	506	71.3	28.7
	35・44 years old	532	53.9	46.1
	45・54 years old	684	46.5	53.5
	55・64 years old	506	35.8	64.2
	65 years old and over	263	17.1	82.9

<Unemployment rate by region>

JPSED 2025

Statistics Bureau, Ministry of Internal Affairs and Communications “Labour Force Survey (Basic Tabulation)” October - December 2024
(Seasonally adjusted values)

Hokkaido	Tohoku	Minami kanto	Kitakanto/koshin	Hokuriku	Tokai	Kinki	Chugoku/S hikoku	Kyusyu/Okinawa
2.7	2.7	2.6	2.1	1.8	2.1	2.8	2.0	2.6

Hokkaido	Tohoku	Minami kanto	Kitakanto/koshin	Hokuriku	Tokai	Kinki	Chugoku/S hikoku	Kyusyu/Okinawa
2.0	2.5	2.3	1.5	0.8	1.8	2.3	1.5	2.1