

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 2022: 111 questions

2. Period of the Survey

Survey period	Survey period is fixed as every January January 6 ~ January 31, 2022
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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, and 70 years old and over, the allocation was adjusted less than actual count of persons.
Effective collection count/effective collection rate	<p>Survey 2022: 56,695 samples</p> <p>* From Survey 2017 onwards, each survey consists of 3 sample types, continued (previous year answerers), additional (new answerers of the year) and revived (answerers of Survey before 2020 who didn't answer Survey 2021).</p> <ul style="list-style-type: none"> • Continued samples (continuous answerers since last year): 44,605 persons Persons requested: 53,981 Effective collection rate: 82.6% • Additional samples (new answerers, this year): 7,210 persons Persons requested: 14,367 Effective collection rate: 50.2% • Revived samples (no answer in survey 2021, but answered in 2020): 4,880 persons Persons requested: 25,055 Effective collection rate: 19.5% <p>* 16 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 2022 for the purpose of grasping status of employment, living dynamics, etc. during the previous one year prior to the survey (in case of survey 2022, one year period of 2021).

Attribute	Status of the Previous One Year
Q1 Gender	Q54 Level of happiness
Q2 Age	Q55 Life satisfaction
Q3 Birth month and year	Q56 Annual events and living
Q4 Present residential place	Q57 Annual occupational events
Q5 Final educational background	Q58 Self-development activities
Q6 Graduated faculty	Q59 Holiday acquisition condition
Q7 Present school year	Q60 Rate of taking paid leaves
Q7-1 Faculty to plan to graduate from	Q61 Stress
Q8 Dropout experience	Q62 Income source of living expenses
Q9 Marital status	Q63 How to cover the living expenses
Q10 With or without a child/children	Q64 Job upskilling
Q11 Number of children	Q65 On-the-Job-Training opportunity
Q12 Age of the child	Q66 Off-the-Job-Training opportunity
Q13 Type of residence	Q67 With or without self-development
Q14 Cohabiter	Q68 Work place status
Q15 Principal household income earner	Q69 Nature of work
Q16-1 Labour force status of January ~April	Q70 Job satisfaction, career outlook
Q16-2 Labour force status of May ~August	Q71 Stress of taking balance of work and family life
Q16-3 Labour force status of September ~November	
Q17 Labour force status of December	
Status as in Last December	Status of Second Job
Q18 Type of working	Q72 With or without taking second job
Q19 Type of employment	Q73 Desire to take second job
Q20 With or without store	Q74 Reasons of desire to take second job
Q21 Reasons of being engaged in work as in December	Q75 Reason for not having a second job or subsidiary business although the person wants to
Q22 Reasons of absence from work	Q76 Reasons of taking second job
Q23 Could be engaged in work upon availability?	Q77-1 Type of working of the highest income second job
Q24 Desire to work	Q77-2 Content of work of the highest income second job
Q25 Degree of desire to work	Q77-3 Job details of the second job that provided the highest income
Q26 With or without job seeking	Q77-4 With or without store of second job
Q27 Reasons of seeking no job	Q77-5 Number of the second jobs
Q28 Reasons of unemployment	Q78 Working hours per week of the second jobs
Q29 The reason of no desire to work	Q79 Whether a second job is allowed or not by the workplace
Q30 Industry	
Q31 Number of employees	Status of Initial Employment
Q32 Occupation	Q80 Type of working of initial employment
Q33 Position title	Q81 Industry of initial employment
Q34 With or without employment contract term	Q82 Number of employees of initial employment
Q35 Employment contract term	Q83 Occupation of initial employment
Q36 Status of employment (unemployment) insurance coverage	Status of Previous Employment
Q37 Working days and hours per week	Q84 Type of working of previous employment
Q38 Presence of request to increase/decrease the work hours	Q85 Industry of previous employment
Q39 Degree of increase/decrease in work hours	Q86 Number of employees of previous employment
Q40 Possibility to increase work hours and content of work	Q87 Occupation of previous employment
Q41 Reason of not possible to increase work hours even when wanting to increase them	Q88 Number of working days/hours in previous employment
Q42 Salary payment method	Q89 Annual income of previous employment
Q43 Hourly rate	Q90 Channels to find current place of work
Q44 Work flexibility	Q91 Order of timing between the last resignation and adoption of current employment
Q45 Working place	Q92 Reasons of the last resignation
Q46 Job style	Status around the Delivery of the Youngest Child
Q47 Job percentage	Q93 Working status before and after the birth of your youngest child / child of currently one year old
Q48 Commuting methods	Q94-1 System used at the birth of the youngest child (female)
Q49-1 Time for living (Commutation)	Q94-2 System used at the birth of the youngest child (male)
Q49-2 Time for living (Housework, childcare)	Q95-1 Number of consecutive days taken for childcare leave
Q50 Time for telework	Q95-2 Number of consecutive holidays taken for childcare
Q51 Status of telework system introduction and adoption	Q96 Working status before and after the birth of your youngest child / child of currently one year old
Q52 Subject person to telework system	Others
Q53 Number of resignation times in the past	Q97 Residential place
	Q98 Academic achievement at the last junior high school year
	Q99 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
	Q100 Annual income of the previous year (main job, second job, non-occupational)
	Q101 With whom can you consult?
	Q102 Type of working of the spouse
	Q103 Event in work (resignation or employment of spouse)
	Q104 Annual income of the spouse
	Q105 With or without doing nursing care
	Q106 Desire for changing or hunting job
	Q107 Approach taken related to future career plan in the past one year
	Q108 Desired future plan after graduation
	Q109 Decision of occupation after graduation
	Q110 Job-hunting experience
	Q111 Change in the form of work due to the effects of COVID-19 (survey subject)

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 2022 was actually implemented from January 6 to January 31, 2022.

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 2022, at first we asked all the people who could be requested out of the answerers of survey before 2021 (continued samples and revived samples), to answer the survey. 79,036 persons could be requested for the survey as they remained in the monitor. 49,485 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 14,367 persons, answers were obtained from 7,210 persons. In survey 2022, total number of effective samples was 56,695.

(Refer to “Reference (2) Allocation and collection count”)

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 2020 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 2020 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 2020 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 2020 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									

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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 2020 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		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		Below university	University or higher	Attending school
		14	6	5	2	11	5	83	47	62	22	6	3	8	148	24	24
Male	15 - 19 years old	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	9
	20 - 24 years old	0	0	0	0	0	0	3	1	1	0	0	0	3	0	0	3
	25 - 34 years old	1	0	1	0	0	0	8	7	2	2	1	1	0	1	0	0
	35 - 44 years old	1	1	0	0	1	0	12	10	2	1	1	0	0	2	0	0
	45 - 54 years old	2	2	0	0	2	1	13	9	2	1	1	0	0	2	0	0
	55 - 64 years old	2	1	0	0	2	1	10	7	4	3	1	0	0	2	1	0
	65 - 69 years old	1	0	0	0	1	0	2	1	3	1	1	0	0	5	2	0
	70 - 74 years old	1	1	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	22	7	0	
Female	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	2	1	2	1	0	0	3	0	0	3
	25 - 34 years old	0	0	1	0	0	0	6	4	4	3	1	0	0	3	1	0
	35 - 44 years old	1	0	1	0	1	0	8	3	8	3	0	0	0	5	2	0
	45 - 54 years old	1	0	0	0	1	0	10	2	13	3	1	0	0	6	1	0
	55 - 64 years old	1	0	1	0	1	0	5	1	10	2	1	0	0	11	2	0
	65 - 69 years old	1	0	1	0	1	0	1	0	4	0	0	0	0	12	1	0
	70 - 74 years old	1	0	1	0	1	0	1	0	2	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	50	3	0	

* Created population data using data of October to December 2020 since the data of October to December 2021 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 2021 at the tabulation phase since the data of October to December 2021 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 proprietor			Regular employee			Non-regular employee			Unemployment			New-labour force			Self-employed worker			Family worker			Executive of company or proprietor			Regular employee			Non-regular employee			Unemployment			New-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	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	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	Attending school						
Male	15-19 years old	59	27	20	2	29	13	316	175	183	65	12	7	28	148	32	20	176	81	75	20	184	20	1982	626	732	254	70	23	199	523	132	115										
	20-24 years old	0	0	0	0	0	1	13	2	0	0	0	0	2	0	0	13	0	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0							
	25-34 years old	3	3	0	0	0	0	30	28	5	5	3	3	2	2	3	1	5	5	3	3	3	0	110	105	16	15	5	6	12	5	4	0	41									
	35-44 years old	6	5	0	0	2	44	28	6	5	0	0	0	5	1	0	18	14	3	2	12	10	162	123	12	10	6	5	1	14	2	0	0										
	45-54 years old	7	4	0	0	7	4	52	34	3	2	0	0	0	4	1	0	26	17	3	2	16	10	177	113	20	13	7	4	0	22	5	0										
	55-64 years old	10	6	0	0	9	4	36	23	10	6	3	2	0	11	5	0	22	21	0	16	11	126	63	45	36	6	4	0	27	11	6	0										
	65-69 years old	8	3	0	0	3	1	7	3	10	4	0	0	0	16	5	0	23	10	1	0	12	5	25	10	37	15	3	1	0	24	16	0	0									
	70-74 years old	5	2	0	0	1	1	2	1	3	1	0	0	0	5	0	0	14	6	0	0	5	2	6	2	13	5	1	0	0	22	5	0	0									
	75 years old and over	4	2	0	0	1	0	1	0	1	0	0	0	0	0	0	0	12	5	1	0	4	2	1	5	2	0	0	0	16	5	0	0										
Female	15-19 years old	0	0	0	0	0	0	1	0	3	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	7	3	5	2	0	0	0	10	1	0	12	0	0	0	0	0	0	29	15	16	7	2	1	40	3	0	44									
	25-34 years old	0	0	0	0	0	0	21	16	12	8	0	0	1	7	3	0	3	2	3	2	0	0	84	64	51	39	6	5	5	26	17	2	0									
	35-44 years old	0	0	0	0	0	0	30	13	30	13	0	0	0	14	7	0	8	3	8	3	8	3	109	47	101	44	4	2	0	54	27	0	0									
	45-54 years old	4	1	4	1	4	1	44	10	35	8	4	1	0	18	4	0	9	2	13	9	9	2	127	29	140	32	9	2	0	66	15	0	0									
	55-64 years old	5	1	5	1	0	0	27	5	41	7	0	0	0	22	5	0	9	2	14	2	9	2	77	77	14	146	28	9	2	0	113	19	0									
	65-69 years old	3	0	5	0	2	0	2	0	16	1	0	0	0	16	0	0	7	1	12	1	5	0	10	1	62	5	4	0	0	54	5	0	0									
	70-74 years old	2	0	3	0	1	0	0	0	0	0	0	0	0	9	0	0	4	0	7	1	3	0	3	0	18	2	1	0	0	18	0	0	0									
	75 years old and over	2	0	3	0	1	0	0	0	0	0	0	0	0	0	0	0	4	0	7	1	3	0	3	0	7	2	1	0	0	11	0	0	0									

		Shikoku																				
		Labour force																				
		Self-employed worker			Family worker			Executive of company or proprietor			Regular employee			Non-regular employee			Unemployment			New-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	Below university	University or higher	Attending school	Below university	University or higher	Attending school			
Male	15-19 years old	14	4	0	0	4	3	191	11	76	83	3	0	12	83	14	0	0	0			
	20-24 years old	0	0	0	0	0	0	2	1	4	1	0	0	4	0	0	0	0	5			
	25-34 years old	0	0	0	0	0	0	12	13	3	3	0	0	1	0	0	0	0	0			
	35-44 years old	3	2	0	0	0	0	18	14	3	2	0	0	0	5	1	0	0	0			
	45-54 years old	3	2	0	0	0	0	26	13	3	2	0	0	0	0	0	0	0	0			
	55-64 years old	3	2	0	0	2	13	5	3	2	0	0	0	0	8	3	0	0	0			
	65-69 years old	1	0	0	0	1	1	2	1	2	1	0	0	0	5	0	0	0	0			
	70-74 years old	1	0	0	0	1	0	1	0	1	0	0	0	0	0	0	0	0	0			
	75 years old and over	1	0	0	0	1	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	2	0	0	0	0	1	0	0	0	0	0			
	20-24 years old	0	0	0	0	0	0	2	1	3	1	0	0	5	0	0	0	0	5			
	25-34 years old	0	0	0	0	0	0	9	7	6	5	0	0	0	7	3	0	0	0			
	35-44 years old	0	0	0	0	0	0	15	6	11	5	0	0	0	7	4	0	0	0			
	45-54 years old	0	0	0	0	0	0	17	4	13	3	0	0	0	9	2	0	0	0			
	55-64 years old	0	0	0	0	0	0	9	2	18	3	0	0	0	14	2	0	0	0			
	65-69 years old	1	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0			
	70-74 years old	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	75 years old and over	1	0	0	0	0	0	0	0	0	0	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).

Allocation																
All over the country																
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	
1561	773	487	113	1136	552	11487	6801	7614	2684	653	346	1220	5118	1309	1119	
Male	15 - 19 years old	1	0	0	0	0	0	51	0	116	0	5	0	90	0	123
	20 - 24 years old	2	1	0	0	0	0	346	117	262	89	34	14	440	24	416
	25 - 34 years old	60	59	15	15	22	22	1283	1227	224	213	77	74	72	93	33
	35 - 44 years old	146	119	9	6	116	94	1740	1422	179	144	60	47	5	125	23
	45 - 54 years old	243	154	15	10	217	136	2142	1370	204	129	79	49	0	181	43
	55 - 64 years old	267	174	0	0	220	144	1235	813	426	280	76	50	0	294	121
	65 - 69 years old	183	75	6	0	124	51	201	85	398	164	32	12	0	517	145
	70 - 74 years old	108	45	0	0	55	22	49	20	136	54	8	1	0	194	52
	75 years old and over	98	40	6	0	45	19	22	9	52	23	1	0	0	117	36
Female	15 - 19 years old	0	0	0	0	0	0	27	0	157	0	8	0	110	5	0
	20 - 24 years old	0	0	0	0	2	1	281	123	237	101	20	10	455	25	3
	25 - 34 years old	30	22	12	8	3	2	950	725	483	369	51	38	48	362	177
	35 - 44 years old	69	31	47	21	43	19	1093	472	1006	435	46	20	0	582	287
	45 - 54 years old	99	23	81	19	91	21	1232	282	1627	372	77	18	0	781	173
	55 - 64 years old	97	19	112	19	93	17	692	125	1361	246	61	12	0	1124	187
	65 - 69 years old	70	7	86	7	52	3	97	9	531	46	15	1	0	442	20
	70 - 74 years old	41	2	49	4	32	1	29	1	156	15	3	0	0	150	0
	75 years old and over	47	2	49	4	21	0	17	1	59	4	0	0	0	102	0
Collection count (final effective samples)																
All over the country																
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	
2130	1232	569	143	1200	658	13098	10190	8805	3356	573	302	1821	8089	3065	1448	
Male	15 - 19 years old	2	0	0	0	1	0	17	0	5	4	4	0	113	54	5
	20 - 24 years old	23	13	4	3	18	9	279	314	136	75	21	18	490	82	52
	25 - 34 years old	92	72	21	11	46	21	1578	2134	360	271	53	57	80	176	117
	35 - 44 years old	183	127	40	21	106	93	2375	2481	363	233	61	45	49	208	104
	45 - 54 years old	301	164	34	10	221	135	2448	1604	333	150	67	38	33	267	89
	55 - 64 years old	296	220	12	4	223	154	1289	892	547	318	61	35	22	374	212
	65 - 69 years old	207	147	6	4	138	66	204	114	409	296	27	10	16	602	386
	70 - 74 years old	200	113	14	3	70	44	68	43	241	139	6	8	6	606	468
	75 years old and over	100	96	6	2	32	40	19	14	82	58	1	2	4	337	246
Female	15 - 19 years old	3	0	0	0	5	0	25	0	52	7	1	0	194	49	4
	20 - 24 years old	33	14	12	4	19	7	338	344	275	107	29	7	628	121	48
	25 - 34 years old	88	56	22	9	28	17	1148	1164	786	470	54	33	75	507	237
	35 - 44 years old	103	59	51	20	35	17	1136	590	1152	456	47	18	47	657	310
	45 - 54 years old	156	57	84	19	74	19	1290	331	1690	394	75	17	39	957	205
	55 - 64 years old	159	51	111	20	91	20	733	139	1441	259	55	10	20	1294	287
	65 - 69 years old	73	20	83	6	44	10	107	19	553	90	7	2	3	961	174
	70 - 74 years old	67	11	48	5	30	4	30	5	316	21	3	2	2	579	78
	75 years old and over	44	12	21	2	19	2	14	2	64	8	0	0	0	258	43
Excess/deficiency count																
All over the country																
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	
569	459	82	30	64	106	1611	3389	1191	672	(80)	(44)	601	2971	1756	329	
Male	15 - 19 years old	1	0	0	0	(34)	0	(111)	4	(1)	0	23	54	5	140	
	20 - 24 years old	21	12	4	3	(67)	197	(126)	(14)	(13)	4	50	58	51	(58)	
	25 - 34 years old	32	13	6	(4)	24	(1)	295	907	136	58	(24)	(17)	8	83	
	35 - 44 years old	37	8	31	15	(10)	(1)	635	1059	184	89	1	(2)	44	83	
	45 - 54 years old	58	10	19	0	(1)	(1)	306	234	129	21	(12)	(11)	33	86	
	55 - 64 years old	29	46	12	4	3	10	54	79	121	38	(15)	(15)	22	80	
	65 - 69 years old	24	72	0	4	14	15	3	29	11	132	(5)	(2)	16	85	
	70 - 74 years old	92	68	14	3	15	22	19	23	105	85	(2)	7	6	412	
	75 years old and over	2	56	0	2	(13)	21	(3)	5	30	35	0	2	4	220	
Female	15 - 19 years old	3	0	0	0	(2)	0	(105)	7	(7)	0	84	44	4	125	
	20 - 24 years old	33	14	12	4	17	6	57	221	38	6	9	(3)	173	96	
	25 - 34 years old	58	34	10	1	25	15	198	439	303	101	3	(5)	27	145	
	35 - 44 years old	34	28	4	(1)	(8)	(2)	43	118	146	21	1	(2)	47	75	
	45 - 54 years old	57	34	3	0	(17)	(2)	58	49	63	22	(2)	(1)	39	176	
	55 - 64 years old	62	32	(1)	1	(2)	3	41	14	80	13	(6)	(2)	20	170	
	65 - 69 years old	3	13	(3)	(1)	(8)	7	10	10	22	44	(8)	1	3	519	
	70 - 74 years old	26	9	(1)	1	(2)	3	1	4	160	6	0	2	2	429	
	75 years old and over	(3)	10	(28)	(2)	(2)	2	(3)	1	5	4	1	0	0	156	

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

* 16 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 2021, 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 56,679 can be made up according to the population, multiplying 56,679 excluded 16 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 event (final sample)	Hokkaido																		
	Labour force					Non-labour force					Unemployment								
	Self-employed worker	Family worker	Executive of company or partnership	Regular employee	Non-regular employee	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	20-24 years old	1	0	0	0	14	112	7	4	1	15	4	1	9	0	0	0	0	
	25-34 years old	6	3	0	1	0	81	52	24	11	3	3	6	12	8	3	0	0	
	35-44 years old	20	11	3	2	8	287	202	241	34	5	2	4	26	10	0	0	0	
	45-54 years old	20	10	2	0	11	8	259	170	42	12	6	2	1	17	6	0	0	
	55-64 years old	11	11	1	1	11	11	54	41	23	20	0	3	1	14	2	0	0	
	65-69 years old	8	4	1	0	0	0	0	0	0	1	2	0	25	10	0	0	0	
	70 years old and over	7	2	2	0	0	0	0	0	0	0	1	0	28	30	0	0	0	
Female	15-19 years old	8	29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20-24 years old	1	1	1	0	0	0	15	9	11	4	1	0	27	5	2	13	0	
	25-34 years old	2	2	1	0	0	0	54	38	43	19	2	1	3	24	2	1	0	
	35-44 years old	10	2	1	0	0	44	21	61	19	2	0	0	6	10	0	0	0	
	45-54 years old	4	2	3	0	0	8	59	13	77	13	5	0	3	50	4	1	0	
	55-64 years old	8	0	1	1	1	0	37	10	71	9	1	0	12	11	1	0	0	
	65-69 years old	2	0	8	0	2	0	5	1	30	2	0	0	0	62	19	1	0	
	70 years old and over	4	2	3	0	0	0	0	0	0	0	0	0	32	2	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 partnership	Regular employee	Non-regular employee	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	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	0	0	0	0	0	0	0	0
	25-34 years old	3	2	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	0	0	0	0	0	0	0	0	0	0	0
	45-54 years old	10	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	55-64 years old	10	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	65-69 years old	10	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	70 years old and over	12	5	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
	20-24 years old	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	0	0	0	0	0	0	0	0	0	0	0
	35-44 years old	4	2	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	0	0	0	0	0	0	0	0	0	0	0
	55-64 years old	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	65-69 years old	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	70 years old and over	3	0	1	0	0	0	0	0	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								
	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	26375	15881	1821	8089	3095	1448	1629	822	75	430	124	50	0	0	0	0	0	0
	20-24 years old	481	432	490	82	52	358	23	18	15	6	1	9	0	0	0	0	0	0
	25-34 years old	2150	2556	80	176	117	46	117	69	6	12	8	3	0	0	0	0	0	0
	35-44 years old	2128	2000	49	208	104	5	559	240	6	28	10	0	0	0	0	0	0	0
	45-54 years old	3404	2101	33	267	89	6	346	202	1	17	6	0	0	0	0	0	0	0
	55-64 years old	2428	1623	22	374	212	10	104	87	1	14	8	1	0	0	0	0	0	0
	65-69 years old	991	437	18	662	386	8	42	19	3	26	15	0	0	0	0	0	0	0
	70 years old and over	839	562	10	843	714	15	30	12	0	38	30	0	0	0	0	0	0	0
Female	15-19 years old	86	7	194	49	4	283	4	1	5	2	0	8	0	0	0	0	0	0
	20-24 years old	706	463	628	121	48	393	29	14	27	5	2	13	0	0	0	0	0	0
	25-34 years old	2126	1749	75	507	237	33	102	56	3	24	8	1	0	0	0	0	0	0
	35-44 years old	2324	1180	47	857	310	12	119	38	0	32	10	0	0	0	0	0	0	0
	45-54 years old	2380	837	38	957	295	6	154	28	0	59	4	1	0	0	0	0	0	0
	55-64 years old	2586	499	20	1294	287	14	122	22	1	73	11	1	0	0	0	0	0	0
	65-69 years old	887	147	3	961	174	8	47	3	0	62	9	1	0	0	0	0	0	0
	70 years old and over	657	74	3	827	121	8	30	3	0	32	2	0	0	0	0	0	0	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								
	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	164	0	77	66	0	11421	9	0	0	3	3	0	42	0	0	0	0	0
	20-24 years old	651	191	395	27	3	395	23	7	14	1	0	15	0	0	0	0	0	0
	25-34 years old	1623	1494	63	100	35	39	58	53	2	3	1	1	0	0	0	0	0	0
	35-44 years old	2171	1626	0	122	29	0	80	60	0	8	2	0	0	0	0	0	0	0
	45-54 years old	2899	1761	0	197	51	0	109	66	0	12	3	0	0	0	0	0	0	0
	55-64 years old	2148	1348	0	253	140	0	85	80	0	10	6	0	0	0	0	0	0	0
	65-69 years old	854	362	0	560	174	0	33	14	0	38	8	0	0	0	0	0	0	0
	70 years old and over	1125	476	0	9491	1101	0	43	18	0	186	52	0	0	0	0	0	0	0
Female	15-19 years old	163	0	83	81	0	1052	6	0	3	3	0	39	0	0	0	0	0	0
	20-24 years old	503	231	418	27	1	368	16	7	14	1	0	14	0	0	0	0	0	0
	25-34 years old	1438	1139	88	352	168	27	51	40	2	17	8	1	0	0	0	0	0	0
	35-44 years old	2098	981	0	957	223	0	84	18	0	26	10	0	0	0	0	0	0	0
	45-54 years old	3167	707	0	778	161	0	131	28	0	30	6	0	0	0	0	0	0	0
	55-64 years old	2284	387	0	1044	165	0	106	18	0	48	9	0	0	0	0	0	0	0
	65-69 years old	785	67	0	1153	64	0	31	3	0	58	3	0	0	0	0	0	0	0
	70 years old and over	990	84	0	7074	381	0	36	3	0	354	20	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 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>

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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	Attending school	previously graduated	Attending school	previously graduated
Male		56798	52	11	2.8	31.0	18.3	1.4	2.0	32.8	5.3
15-19 years old	1430	0.0	0.0	0.0	0.2	0.0	0.0	0.1	0.1	2.2	0.1
20-24 years old	1671	0.1	0.0	0.0	0.8	0.4	0.1	0.7	0.1	0.7	0.2
25-34 years old	3387	0.2	0.0	0.1	4.3	0.8	0.2	0.1	0.2	0.1	0.1
35-44 years old	3990	0.3	0.1	0.2	5.3	0.7	0.2	0.0	0.3	0.0	0.0
45-54 years old	4920	0.7	0.1	0.3	6.0	0.7	0.2	0.0	0.4	0.0	0.0
55-64 years old	3908	0.8	0.0	0.6	3.3	1.3	0.2	0.0	0.7	0.0	0.0
65-69 years old	1945	0.5	0.0	0.3	0.4	0.8	0.1	0.0	1.3	0.0	0.0
70 years old and over	6184	1.0	0.1	0.4	0.3	1.1	0.0	0.0	8.1	0.0	0.0
Female		1372	0.0	0.0	0.0	0.1	0.2	0.0	0.2	0.1	1.8
15-19 years old	1548	0.1	0.0	0.0	0.7	0.4	0.0	0.7	0.0	0.6	0.0
20-24 years old	3209	0.2	0.0	0.1	2.1	1.5	0.1	0.1	0.9	0.2	0.0
25-34 years old	3865	0.2	0.1	0.1	2.5	2.4	0.1	0.0	1.4	0.0	0.0
35-44 years old	4816	0.3	0.2	0.1	2.8	3.4	0.1	0.0	1.7	0.0	0.0
45-54 years old	3903	0.3	0.2	0.2	1.3	2.6	0.1	0.0	2.2	0.0	0.0
55-64 years old	2098	0.1	0.1	0.1	0.2	1.0	0.0	0.0	2.1	0.0	0.0
70 years old and over	8519	0.2	0.2	0.1	0.1	1.1	0.0	0.0	13.1	0.0	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				
		n (persons)	previously graduated	previously graduated	previously graduated	previously graduated	previously graduated	Attending school	previously graduated	Attending school	previously graduated
Male		11019	4.8	1.2	3.2	31.1	18.2	1.7	2.1	32.5	5.3
15-19 years old	286	0.0	0.0	0.0	0.1	0.2	0.0	0.2	0.1	2.0	0.1
20-24 years old	325	0.0	0.0	0.0	0.8	0.6	0.1	0.7	0.0	0.7	0.2
25-34 years old	655	0.2	0.0	0.1	4.2	0.7	0.3	0.1	0.2	0.1	0.1
35-44 years old	787	0.4	0.0	0.4	5.3	0.5	0.2	0.0	0.2	0.0	0.0
45-54 years old	928	0.7	0.0	0.6	5.9	0.6	0.2	0.0	0.4	0.0	0.0
55-64 years old	783	0.7	0.0	0.6	3.5	1.2	0.2	0.0	0.7	0.0	0.0
65-69 years old	396	0.4	0.0	0.3	0.5	0.9	0.1	0.0	1.3	0.0	0.0
70 years old and over	1178	1.0	0.0	0.5	0.3	0.9	0.0	0.0	8.1	0.0	0.0
Female		276	0.0	0.0	0.0	0.0	0.3	0.0	0.2	0.1	1.8
15-19 years old	308	0.0	0.0	0.0	0.7	0.6	0.1	0.8	0.1	0.7	0.2
20-24 years old	614	0.1	0.0	0.0	2.8	1.4	0.2	0.1	0.9	0.0	0.0
25-34 years old	774	0.2	0.1	0.1	2.8	2.4	0.1	0.0	1.4	0.0	0.0
35-44 years old	912	0.2	0.2	0.2	2.8	3.4	0.2	0.0	1.8	0.0	0.0
45-54 years old	773	0.2	0.2	0.2	1.4	2.7	0.1	0.0	2.2	0.0	0.0
55-64 years old	421	0.1	0.2	0.1	0.2	1.0	0.0	0.0	2.3	0.0	0.0
70 years old and over	1623	0.2	0.4	0.2	0.2	0.9	0.0	0.0	12.9	0.0	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 2022 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 2022

Statistics Bureau, Ministry of Internal Affairs and Communications "Labour Force Survey (Basic Tabulation)" December, 2021

		(%)		
		n (persons)	Regular employee	Non-regular employee
Male	15-24 years old	1276	48.7	51.3
	25-34 years old	2917	83.9	16.1
	35-44 years old	3386	88.8	11.2
	45-54 years old	3818	89.3	10.7
	55-64 years old	2634	71.8	28.2
	65 years old and over	1526	26.6	73.4
Female	15-24 years old	1257	36.8	63.2
	25-34 years old	2427	64.0	36.0
	35-44 years old	2790	51.9	48.1
	45-54 years old	3417	43.7	56.3
	55-64 years old	2228	33.7	66.3
	65 years old and over	1321	13.6	86.4

		(%)		
		n (x 10,000 persons)	Regular employee	Non-regular employee
Male	15-24 years old	271	52.8	47.2
	25-34 years old	557	86.0	14.0
	35-44 years old	631	91.0	9.0
	45-54 years old	743	90.8	9.2
	55-64 years old	514	75.1	24.9
	65 years old and over	286	28.3	71.7
Female	15-24 years old	270	45.9	54.1
	25-34 years old	474	67.7	32.3
	35-44 years old	537	52.1	47.9
	45-54 years old	673	42.6	57.4
	55-64 years old	452	34.1	65.9
	65 years old and over	234	17.5	82.5

<Unemployment rate by region>

Japanese Panel Study of Employment Dynamics 2022

Statistics Bureau, Ministry of Internal Affairs and Communications "Labour Force Survey (Basic Tabulation)" October - December 2021 (Seasonally adjusted values)

Hokkaido	Tohoku	Minami kanto	Kitakanto /koshin	Hokuriku	Tokai	Kinki	Chugoku/ Shikoku	Kyusyu/ Okinawa
3.0	2.5	2.6	2.4	2.0	2.1	2.7	1.6	2.4

Hokkaido	Tohoku	Minami kanto	Kitakanto /koshin	Hokuriku	Tokai	Kinki	Chugoku/ Shikoku	Kyusyu/ Okinawa
3.0	2.5	3.0	2.5	2.2	2.3	2.9	2.4	2.6 (%)

Additional Survey Design of Japanese Panel Study of Employment Dynamics

1. Outline of the Survey

Purpose of the Survey	Reveal the actual condition of the second job of employed persons and provide suggestions that also improve the quality of work
Items surveyed	Actual condition of second job (employment condition, content of work, contract, working hours, etc.)
Survey volume	15 questions

2. Period of the Survey

Survey period	January 14 ~ February 7, 2022
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3. Coverage of the Survey

Survey districts	All over the country
Conditions of persons	Persons who were engaged in a second job or subsidiary business between January and December 2021 * Persons who did not have employment as of December 2021 are not included in the tabulation of the data collection
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	Extract samples applicable to target people described above among valid respondents of the JPSSED2022 main survey
Effective collection count/effective collection rate	5,166 samples Persons requested: 6,008 Effective collection rate: 86.0%

5. Aggregation Method

Weighted sampling aggregation	Perform weighted tabulation to tabulate according to the composition of the population Apply weighted value calculated in this survey
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