

Survey on Time Use and Leisure Activities in Japan

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Outline of the survey

- Cycle:

The survey has been conducted every five years since 1976.

- Date:

The 2016 survey was conducted on facts as of October 20th.

(As for time use survey, two straight days within the nine-day period from October 15th to 23rd were specified for each survey district.)

- Subjects:

About 88,000 households in the enumeration districts are selected and some 200,000 members aged 10 or over are surveyed.

- Type:

Independent

Outline of the survey

- Items surveyed:

Questionnaire A – Time spent on 20 activities in a day
(Respondents select one from 20 kinds of activities each 15 minute.)

Questionnaire B – Time spent on each activity in a day
(Respondents write activities freely each 15 minute.)

- Mode of data collection:

Leave-behind; 2 diary days

- Budget:

About \$ 5,600,000 (\ 600,000,000) for the 2016 survey

Questionnaire

Two ways of time-use data collection are adopted.

One is called “pre-coded way” using “Questionnaire A” which has large sample size about 190,000 people

The other is “after-coded way” using “Questionnaire B” which has small sample size about 10,000 people.

The way of using Questionnaire B has been adopted for international comparison since 2001.

Questionnaire A

[Items on time use]

○ Kind of activities

- 1) Sleep, 2) Personal care, 3) Meals,
- 4) Commuting to and from school or work,
- 5) Work, 6) Schoolwork, 7) Housework,
- 8) Caring and nursing, 9) Child care,
- 10) Shopping, 11) Moving(excluding commuting),
- 12) Watching TV, listening to the radio, reading newspapers or magazines,
- 13) Rest and relaxation,
- 14) Learning, self-education and training
- 15) Hobbies and amusements, 16) Sports,
- 17) Volunteer and social activities,
- 18) Social life,
- 19) Medical examination and treatments,
- 20) Others

○ Person(s) being together

- a. Alone, b. Family member(s),
- c. Classmate(s) or colleague(s)
- d. Other person(s)

24 Diary

Please report on you did on each of the two days specified and how much time you spent on each activity in units of 15 minutes.
Please draw a horizontal line to specify the activity and persons with you for each 15 minute unit.

1) Select the nature of this day from the categories listed below: (Please tick the one(s) which apply)

Travel and or home excursion	Start working	Business trip or	Work or home	Under medical treatment	Holiday or vacation	Leave for child	Leave to	Other
(last day of trip)	(last day of trip)	(last day of trip)	(last day of trip)	(last day of trip)	(last day of trip)	(last day of trip)	(last day of trip)	(last day of trip)

2) How was the weather on this day?

Powered	Powered	Clear
(of day)	(of day)	(of day)

06

[First Day]

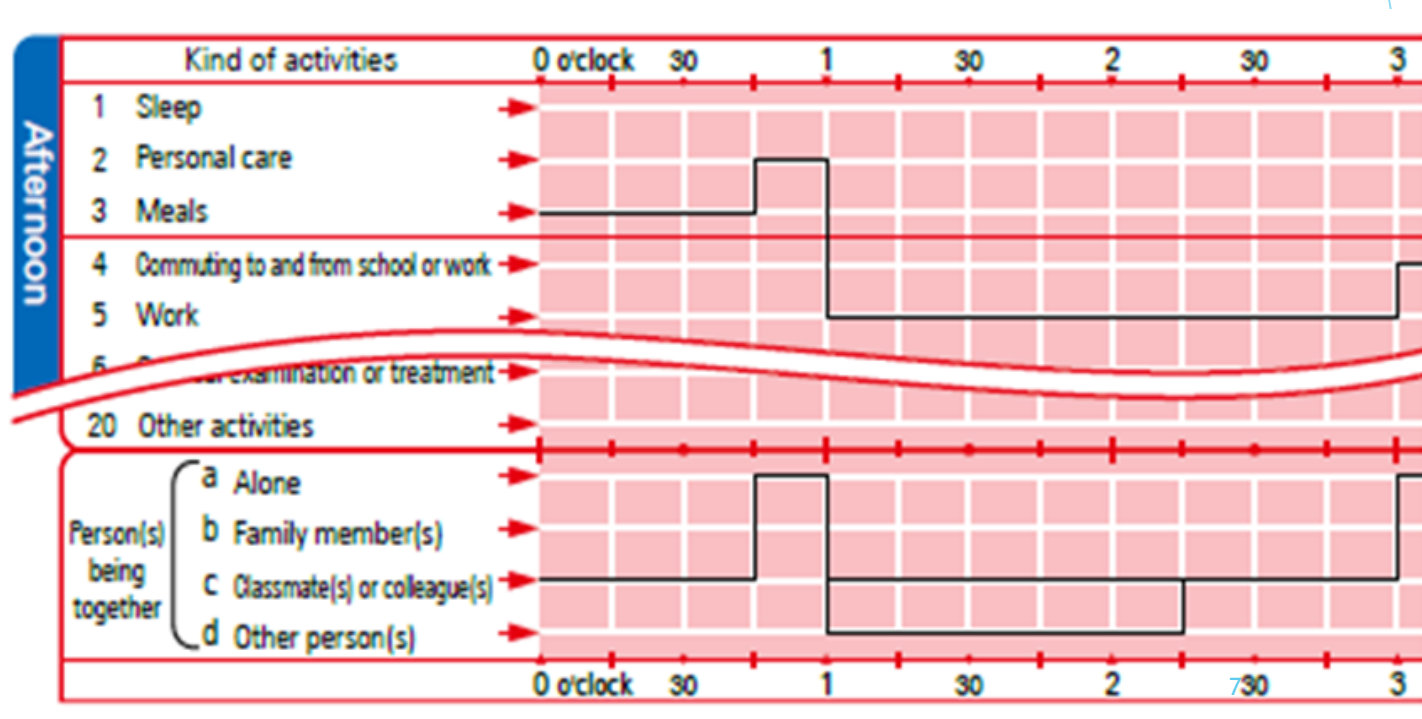
Those who were engaged in more than one activity at the same time should report the main activity.

Kind of activities	0 o'clock												30												1												30												2												30												3												30												4												30												5												30												6 o'clock											
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Questionnaire A

As for Questionnaire A, respondents report their time use of the day by each 15 minutes slot to select one activity from 20 pre-coded main activities classified by Statistics Bureau.



Questionnaire B

[Items on time use]

- Major activities
- Simultaneous activities
- Use of the Internet
- Place
 - 1 Home, 2 School/Work,
 - 3 While on the move, 4 Others
- Person(s) being together
 - 1 Alone, 2 Father, 3 Mother,
 - 4 Son(s) or daughter(s), 5 Spouse,
 - 6 Other family members,
 - 7 Other person(s) from work, school, etc.

All the respondents are asked to reply.

16 Diary
 *Please report on you did on each of the two days specified and how much time you spent on each activity, in units of 15 minutes.

(1) Select the feature of this day from the categories listed below. Please fill in the circle of applicable category.

(2) How was the weather on this day?

04

[First Day]

Time	What were you mainly doing? *Please report what you were mainly doing in 15 minute units	[Quantity/Day/Unit]	Were you doing something else at the same time? *When doing several things please report just one	[Quantity/Day/Unit]	Place				Persons being together (Please encircle all applicable categories)							Total and hour code
					1 At home	2 At school	3 On the move	4 Other	1 Alone	2 Father	3 Mother	4 Son(s) or daughter(s)	5 Spouse	6 Other family member	7 Other person(s) from work, school, etc.	
0:00					1	2	3	4	1	2	3	4	5	6	7	01
0:30					1	2	3	4	1	2	3	4	5	6	7	02
1:00					1	2	3	4	1	2	3	4	5	6	7	03
1:30					1	2	3	4	1	2	3	4	5	6	7	04
2:00					1	2	3	4	1	2	3	4	5	6	7	05
2:30					1	2	3	4	1	2	3	4	5	6	7	06
3:00					1	2	3	4	1	2	3	4	5	6	7	07
3:30					1	2	3	4	1	2	3	4	5	6	7	08
4:00					1	2	3	4	1	2	3	4	5	6	7	09
4:30					1	2	3	4	1	2	3	4	5	6	7	10
5:00					1	2	3	4	1	2	3	4	5	6	7	11
5:30					1	2	3	4	1	2	3	4	5	6	7	12
6:00					1	2	3	4	1	2	3	4	5	6	7	13
6:30					1	2	3	4	1	2	3	4	5	6	7	14
7:00					1	2	3	4	1	2	3	4	5	6	7	15
7:30					1	2	3	4	1	2	3	4	5	6	7	16
8:00					1	2	3	4	1	2	3	4	5	6	7	17
8:30					1	2	3	4	1	2	3	4	5	6	7	18
9:00					1	2	3	4	1	2	3	4	5	6	7	19
9:30					1	2	3	4	1	2	3	4	5	6	7	20
10:00					1	2	3	4	1	2	3	4	5	6	7	21
10:30					1	2	3	4	1	2	3	4	5	6	7	22
11:00					1	2	3	4	1	2	3	4	5	6	7	23
11:30					1	2	3	4	1	2	3	4	5	6	7	24
12:00					1	2	3	4	1	2	3	4	5	6	7	25
					1	2	3	4	1	2	3	4	5	6	7	26
					1	2	3	4	1	2	3	4	5	6	7	27
					1	2	3	4	1	2	3	4	5	6	7	28
					1	2	3	4	1	2	3	4	5	6	7	29
					1	2	3	4	1	2	3	4	5	6	7	30
					1	2	3	4	1	2	3	4	5	6	7	31
					1	2	3	4	1	2	3	4	5	6	7	32
					1	2	3	4	1	2	3	4	5	6	7	33
					1	2	3	4	1	2	3	4	5	6	7	34
					1	2	3	4	1	2	3	4	5	6	7	35
					1	2	3	4	1	2	3	4	5	6	7	36
					1	2	3	4	1	2	3	4	5	6	7	37
					1	2	3	4	1	2	3	4	5	6	7	38
					1	2	3	4	1	2	3	4	5	6	7	39
					1	2	3	4	1	2	3	4	5	6	7	40
					1	2	3	4	1	2	3	4	5	6	7	41
					1	2	3	4	1	2	3	4	5	6	7	42
					1	2	3	4	1	2	3	4	5	6	7	43
					1	2	3	4	1	2	3	4	5	6	7	44
					1	2	3	4	1	2	3	4	5	6	7	45
					1	2	3	4	1	2	3	4	5	6	7	46
					1	2	3	4	1	2	3	4	5	6	7	47
					1	2	3	4	1	2	3	4	5	6	7	48

Questionnaire B

As for Questionnaire B, the after-coded way of using the ordinary time-use diary has been adopted with reference to the HETUS guidelines and other TUS.

Afternoon		Example of how to complete question 16 (Diary)														
Please refer to when answering the questions on the following page.																
Time	What were you mainly doing? ※ Please report what you were <u>mainly doing</u> in 15 minute units	Using smartphone/PC	Were you doing something else at the same time? ※ When doing several things please report <u>just one</u>	Using smartphone/PC	Place				Persons being together (Please encircle all applicable categories)							Time and hour code
					1 At home	2 At school or work	3 On travel	4 Other	1 Alone	2 Father	3 Mother	4 Son(s) or daughter(s)	5 Spouse	6 Other family member(s)	7 Other person(s) from work, school, etc.	
0:00	Preparing lunch		Listening to the radio		①	2	3	4	1	②	③	④	⑤	6	7	49
30	↓		↓		①	2	3	4	1	②	③	④	⑤	6	7	50
1:00	Having lunch		Watching television		①	2	3	4	1	②	③	④	⑤	6	7	51
30	↓		↓		①	2	3	4	1	2	3	④	⑤	6	7	52
1:00	Cleaning up after lunch				①	2	3	4	1	2	3	④	⑤	6	7	53
30	↓		Chatting with neighbours		①	2	3	④	1	2	3	④	5	6	⑦	54
2:00	Reading magazines		Listening to music	○	①	2	3	4	①	2	3	4	5	6	7	55
30	↓	○			①	2	3	4	①	2	3	4	5	6	7	56
2:00	Searching restaurants				①	2	3	4	①	2	3	4	5	6	7	56
30	↓				①	2	③	4	1	②	3	4	⑤	6	7	57
2:00	Going to the supermarket				①	2	③	4	1	②	3	4	⑤	6	7	57

Coverage of the survey

- The Statistics Bureau samples Survey Districts for STULA in each Prefecture, out of the Enumeration Districts of the Population Census.

Questionnaire A: about 7,000 districts

Questionnaire B: about 400 districts

- 12 households out of each Survey District are randomly sampled.
- The survey covers those living with the chosen households, who are 10 years or older (some 200,000 in number).

Designated day for time use

Group	The day of the week	Date
1	SAT SUN	Oct 15 ,16
2	SAT SUN	Oct 15 ,16
3	SUN MON	Oct 16 ,17
4	TUE WED	Oct 18 ,19
5	THU FRI	Oct 20 ,21
6	FRI SAT	Oct 21 ,22
7	SAT SUN	Oct 22 ,23
8	SAT SUN	Oct 22 ,23

Survey channel

Statistics Bureau



Prefectural Governors



Enumerators

(Part-time officials appointed by a Prefectural Governor)



Sample households

Field operation

[Preparatory survey]

- Every enumerator walks around within the Survey Districts specified by the prefectural government for him/her, and prepares lists of households within each of the districts.
- The prefectural government's officials sample 12 households of the lists of households prepared. Then, they instruct the enumerators to carry on the Survey.

Field operation

[Distributing and collecting the Questionnaires]

- Each enumerator visits the households of his/her Survey District to distribute and collect the Questionnaires.
- Every respondent is allowed to reply over the Internet, using an electronic questionnaire.

Field operation

[Inspecting the Questionnaires]

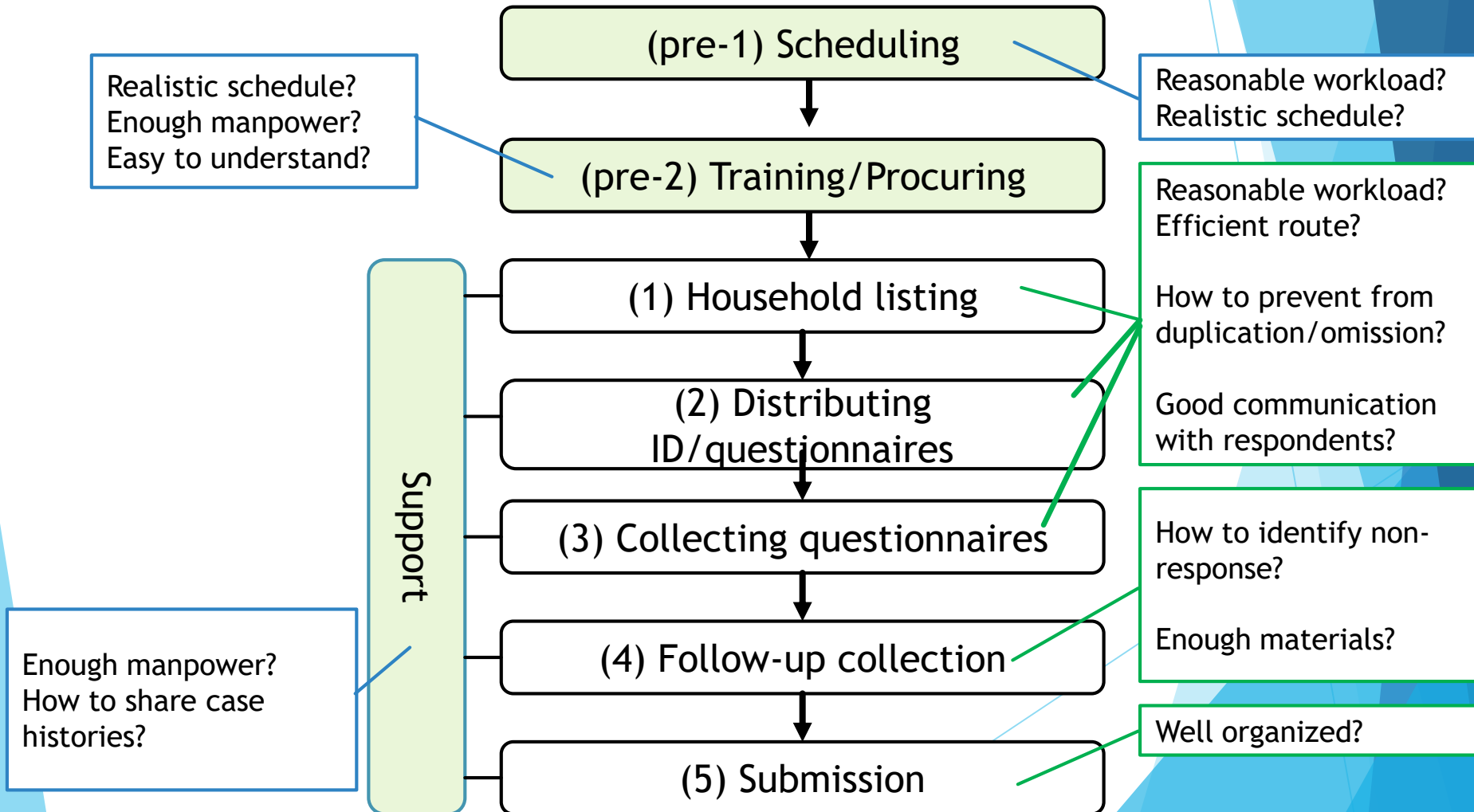
- Every enumerator checks up every Questionnaire for any items left unanswered, when collecting it from each household.
- The Questionnaires collected, after the enumerators' checkups, are further inspected by prefectural governments and then submitted to the Statistics Bureau.
- The electronic questionnaire has in it a simple data-checking program to prevent items from being left unanswered.

Tabulation

- Most of the data written in the Questionnaires are digitized by OCR to be processed by computers, which also inspect and correct the digitized data.
- Each of the activities surveyed at the Items on time use in Questionnaire B is entered by operators and coded by the automatic coding system according to the coding rule of the activity coding list.

Quality management

Pointing out attention from quality control point



Quality management

Quality assurance

- Achievement check for plan/schedule
- Map updating check
- Report by the staffs engaged in the fieldwork on their data collection activity
- Interview with households
- Data analysis
- Comparison with admin data

Challenges in the field work

1 Worsening of the survey environment

Difficulties for enumerators to meet respondents

- increasing apartment houses which have automatic security lock at main entrance
⇒ They prevent enumerators from talking to respondents face to face.
- increasing households in which all members are absent from home, such as young one-person households or double-income households
⇒ It becomes more difficult in conducting the field work in the daytime on weekdays.

Challenges in the field work

2 Survey nonresponse

Increasing people who consider a statistical survey as a revelation of their privacy

- Time use survey is very difficult for such people to accept, because they think of a question about their activities in detail as a revelation of their privacy.

Introduction of a new collection method

- Internet Survey -

- It enables us to conduct the survey in consideration of the privacy of respondents.
- It is convenient for respondents to be able to report the questionnaires at any time without meeting enumerators.
- As using Electronic Questionnaire with macro programs, blanks or errors in writing can be checked in filling in the questionnaire.

Thank you for your attention!