

Sampling Procedure and Reliability of Estimates

1. Outline of the Sampling Design

In the 2018 Housing and Land Survey, a stratified two-stage sampling method was used. The first-stage sampling unit was an enumeration district (ED) of the 2015 Population Census, and the second-stage sampling unit was a dwelling unit located in an enumeration unit district (EUD) that was formed from the sample ED.

The following EDs of the 2015 Population Census were excluded from the sampling: EDs of prisons or detention centers (Category No. 5 of enumeration district number of the Population Census), EDs of camps of the Self-Defense Forces (Category No. 6), EDs of areas exclusively used by the U.S. Military Forces (Category No. 7), and EDs of water surface (Category No.9).

The districts which had been designated as evacuation areas due to the effect of the Fukushima nuclear accident caused by the Great East Japan Earthquake were also excluded from sampling. These districts are thus not included in the results of the Survey.

- Entire area of the following districts are excluded:
Ookuma-machi, Futaba-machi
- Some part of the following districts are excluded:
Minamisoma-shi, Tomioka-machi, Namie-machi, Katsurao-mura, Iitate-mura

2. Sampling of Enumeration Unit Districts

(1) Stratification of EDs

EDs were classified into 24 strata according to the criteria for stratification shown in Table 1 which were mainly based on "the number of converted households", "distribution of households by tenure of the dwelling", and "ratio of ordinary households with household members aged 65 and over" obtained from the 2015 Population Census.

(2) Sampling of EDs

Sample EDs were selected by systematic sampling. Individual sampling ratios were assigned to each of cities, wards, and towns and villages with a population of 15,000 and more, while a common ratio was assigned to all of the remaining smaller towns and villages within the prefecture concerned.

Sampling ratios were determined to allocate a sufficient number of sample EDs to the areas for which the results were to be estimated. The sampling ratios determined according to the size of the population* etc. are shown in Table B.

(3) Designation of EDs for Questionnaire B

To obtain sufficiently accurate results concerning the specific survey topics in Questionnaire B, sample EDs were selected systematically from the sampled enumeration districts by "the seat of the prefectural government", "cities designated by government ordinance", and "other areas" for Kanagawa, Shizuoka, Osaka and Fukuoka, and by "the seat of the prefectural government" and "other areas" for other prefectures.

(4) Sampling of Enumeration Unit Districts (EUDs)

In principle, a sample ED constituted an EUD. However, for those sample EDs which had more than 70 households, they were divided into two or more sections having about 50 households, and a section randomly selected from among them constituted an EUD.

* Population for the sampling ratios were based on the population in the 2015 Population Census for the administrative boundary as of July 1, 2017.

The results of this survey, however, were tabulated for administrative boundaries as of October 1, 2018.

3. Method of the Estimation

First, figures for each EUD of the 2018 Housing and Land Survey were multiplied by the reciprocal of the sampling ratio for the dwellings of the EUD (total number of dwellings of the EUD/number of surveyed dwellings of the EUD). In the case that the EUD was a section of a sample ED as stated above, the figures were further multiplied by the number of sections. Secondly, they were multiplied by the reciprocal of the sampling ratio which had been assigned to the sample ED concerned (see Table B). Thirdly, the figures thus estimated for each ED were aggregated for each area for which the results were to be estimated. At this point, a ratio estimation was applied so that the total population thus obtained from the Survey should equal the current total population as of October 1, 2018, for each of these areas.

The estimates were separately calculated for the items peculiar to Questionnaire B and for the items common to the both types of questionnaires. Accordingly, it sometimes occurs that the estimates are different between the above-mentioned two groups even for the same tabulation topic.

4. Reliability of the Estimates

The relative standard errors of estimates for whole Japan are shown in Table C and Table D. The relative standard errors by principal tabulation item shown in Table D are calculated as follows:

- by using 10 sub-samples for items common to Questionnaires A and B and for items for Building Survey sheets;
- by using 5 sub-samples for items only for Questionnaires B.

The values in Table C are evaluated on average by fitting a curve for all calculated values.

The relative standard error here is a rough standard for showing the real value which we can get if we conduct census. In other words, the interval between one standard error (i.e., the value of the estimate multiplies relative standard error) above and below the estimate would include the true value with the probability of 68%, and two standard errors above and below the estimate would include it with the probability of 95%.

The values shown in Table C are used for the real numerical values (e.g., the number of households, dwellings, etc.), and not used for the rate (e.g., the average and increase rate of the number of dwelling rooms per dwelling, *tatami* units of dwelling rooms per person, etc.).

Table A. Criteria and Codes for Stratification of the EDs of the 2015 Population Census

Criteria for stratification			Code	
The 2015 Population Census EDs	EDs containing quasi-households with more than 50 persons		010	
	EDs which have no inhabitants or less than 15 converted households and when the ratio of ordinary households with relatives aged 65 and over is	less than 30 %	021	
		more than 30 %	022	
	EDs where the ratio of households living in a rented house is more than 5 % whose ratio of ordinary households with relatives aged 65 and over is	less than 30 %	031	
		more than 30 %	032	
	EDs where the ratio of households living in an apartment of 3 stories or more is more than 90%	EDs where the ratio of households living in an issued house is more than 50 %		110
		EDs where the ratio of households living in a publicly owned rented house is more than 50 % and that of ordinary households with relatives aged 65 and over is	less than 30 %	121
			more than 30 %	122
		EDs where the ratio of households living in a private rented house is more than 50 %		130
		EDs where the ratio of households living in an owned house is more than 50 %		140
		Other EDs		150
	Other EDs	EDs where the ratio of households living in an issued house is more than 50 %		210
		EDs where the ratio of households living in a publicly owned rented house is more than 50 % and that of ordinary households with relatives aged 65 and over is	less than 30 %	311
			more than 30 %	312
		EDs where the ratio of households living in a private rented house is 50-65 % and that of ordinary households with relatives aged 65 and over is	less than 30 %	411
			more than 30 %	412
		EDs where the ratio of households living in a private rented house is more than 65 % and that of ordinary households with relatives aged 65 and over is	less than 30 %	511
			more than 30 %	512
		EDs where the ratio of households living in an owned house is 50-80 % and that of ordinary households with relatives aged 65 and over is	less than 30 %	611
			more than 30 %	612
		EDs where the ratio of households living in an owned house is more than 80 % and that of ordinary households with relatives aged 65 and over is	less than 30 %	711
			more than 30 %	712
		Other EDs where the ratio of ordinary households with relatives aged 65 and over is	less than 30 %	801
			more than 30 %	802

Note 1. If an ED corresponds to more than two strata, it is classified into the one with the smallest code.

$$2. \text{ Number of converted households} = \text{Number of ordinary households with more than two persons} + \frac{\text{Number of ordinary one-person households} + \text{Number of members of quasi-households}}{3}$$

Table B. Sampling Ratios for Strata

Area		Sampling Ratios for EDs with	
		Stratum Codes other than 010, 021 and 022	Stratum Codes 010,021 and 022
<i>Shi and Ku</i>	Population 600,000 and more	1/10	1/20
	Population 500,000 – 599,999	1/9	1/18
	Population 400,000 – 499,999	1/8	1/16
	Population 300,000 – 399,999	1/7	1/14
	Population 200,000 – 299,999	1/6	1/12
	Population 100,000 – 199,999	1/5	1/10
	Population 50,000 – 99,999	1/3	1/6
	Population less than 50,000	1/2	1/4
All <i>Machi</i> and <i>Mura</i>	Population 15,000 and more	1/4	1/8
	Population less than 15,000	1/8	1/16

The following sampling ratio was used for some areas in Okayama prefecture that were heavily impacted by the Heavy Rain Event of July 2018.

Sample EDs that were heavily impacted by the Heavy Rain Event of July 2018

EDs of the 2015 Population Census that were heavily impacted by the Heavy Rain Event of July 2018

Table C. Relative Standard Error by Size of Estimate - Japan

Results of the table using questionnaire A and B

Size of estimate	Result for Japan	
	Standard Error	Relative Standard Error(%)
30,000,000	35,710	0.119
20,000,000	33,353	0.167
10,000,000	26,218	0.262
7,000,000	22,555	0.322
5,000,000	19,403	0.388
3,000,000	15,289	0.510
2,000,000	12,588	0.629
1,000,000	8,975	0.897
700,000	7,527	1.075
500,000	6,372	1.274
300,000	4,944	1.648
200,000	4,040	2.020

Size of estimate	Result for Japan	
	Standard Error	Relative Standard Error(%)
100,000	2,859	2.859
70,000	2,392	3.418
50,000	2,022	4.044
30,000	1,567	5.222
20,000	1,279	6.396
10,000	905	9.047
7,000	757	10.813
5,000	640	12.794
3,000	496	16.518
2,000	405	20.230
1,000	286	28.610

Results of the table using questionnaire B

Size of estimate	Result for Japan	
	Standard Error	Relative Standard Error(%)
30,000,000	53,047	0.177
20,000,000	51,587	0.258
10,000,000	41,511	0.415
7,000,000	35,898	0.513
5,000,000	30,980	0.620
3,000,000	24,483	0.816
2,000,000	20,185	1.009
1,000,000	14,410	1.441
700,000	12,091	1.727

Size of estimate	Result for Japan	
	Standard Error	Relative Standard Error(%)
500,000	10,238	2.048
300,000	7,945	2.648
200,000	6,493	3.246
100,000	4,596	4.596
70,000	3,846	5.494
50,000	3,251	6.502
30,000	2,519	8.396
20,000	2,057	10.283
10,000	1,454	14.544

Table C. Relative Standard Error by Size of Estimate - Prefectures

Results of the table using questionnaire A and B

Area classification (Prefectures)		Size of estimate																				
		7,000,000	5,000,000	3,000,000	2,000,000	1,000,000	700,000	500,000	300,000	200,000	100,000	70,000	50,000	30,000	20,000	10,000	7,000	5,000	3,000	2,000	1,000	
01 Hokkaido					0.237	0.502	0.647	0.802	1.079	1.347	1.942	2.334	2.771	3.590	4.405	6.241	7.464	8.834	11.409	13.976	19.768	
02 Aomori-ken								0.325	0.747	1.060	1.679	2.067	2.492	3.276	4.047	5.774	6.919	8.200	10.604	12.999	18.399	
03 Iwate-ken								0.305	0.739	1.055	1.677	2.066	2.492	3.277	4.050	5.779	6.926	8.209	10.616	13.013	18.419	
04 Miyagi-ken					0.197	0.492	0.716	0.928	1.069	1.390	2.074	2.516	3.006	3.917	4.820	6.849	8.197	9.708	12.545	15.371	21.748	
05 Akita-ken									0.579	0.921	1.545	1.925	2.338	3.093	3.834	5.485	6.579	7.802	10.095	12.377	17.524	
06 Yamagata-ken								0.347	0.614	0.988	1.313	1.993	2.429	3.802	4.685	6.665	7.980	9.453	12.218	14.972	21.186	
07 Fukushima-ken						0.287	0.475	0.645	0.928	1.190	1.756	2.125	2.534	3.297	4.053	5.754	6.885	8.152	10.532	12.904	18.256	
08 Ibaraki-ken								0.405	0.658	1.029	1.358	2.048	2.492	2.983	3.894	4.796	6.820	8.164	9.671	12.498	15.316	21.671
09 Tochigi-ken								0.405	0.644	0.999	1.315	1.979	2.407	2.880	3.760	4.630	6.583	7.880	9.334	12.063	14.782	20.916
10 Gunma-ken								0.713	0.875	1.168	1.453	2.087	2.506	2.974	3.850	4.723	6.689	7.998	9.466	12.225	14.974	21.180
11 Saitama-ken			0.130	0.303	0.562	0.713	0.875	1.168	1.453	2.087	2.506	2.974	3.850	4.723	6.689	7.998	9.466	12.225	14.974	21.180		
12 Chiba-ken			0.043	0.306	0.608	0.779	0.960	1.288	1.606	2.311	2.776	3.296	4.269	5.237	7.418	8.871	10.500	13.560	16.610	23.494		
13 Tokyo-to	0.098	0.231	0.394	0.532	0.816	0.997	1.196	1.566	1.931	2.749	3.292	3.900	5.041	6.179	8.744	10.453	12.369	15.971	19.561	27.666		
14 Kanagawa-ken			0.228	0.360	0.602	0.749	0.910	1.203	1.491	2.133	2.558	3.034	3.926	4.813	6.814	8.148	9.642	12.451	15.251	21.571		
15 Niigata-ken						0.356	0.546	0.835	1.094	1.641	1.994	2.385	3.112	3.831	5.445	6.518	7.720	9.977	12.225	17.298		
16 Toyama-ken								0.692	1.090	1.821	2.268	2.752	3.640	4.511	6.453	7.739	9.177	11.874	14.559	20.613		
17 Ishikawa-ken							0.252	0.835	1.221	1.967	2.431	2.937	3.869	4.785	6.832	8.190	9.708	12.557	15.394	21.790		
18 Fukui-ken								0.278	0.758	1.436	1.828	2.245	3.002	3.739	5.373	6.453	7.659	9.918	12.166	17.232		
19 Yamanashi-ken								0.506	0.835	1.423	1.778	2.163	2.866	3.555	5.090	6.105	7.241	9.371	11.491	16.269		
20 Nagano-ken					0.057	0.425	0.646	0.984	1.288	1.931	2.346	2.805	3.658	4.503	6.401	7.662	9.075	11.728	14.370	20.333		
21 Gifu-ken						0.317	0.535	0.848	1.123	1.698	2.068	2.476	3.235	3.984	5.667	6.785	8.037	10.387	12.729	18.012		
22 Shizuoka-ken					0.374	0.532	0.689	0.960	1.217	1.777	2.143	2.552	3.314	4.071	5.774	6.907	8.177	10.563	12.940	18.306		
23 Aichi-ken			0.139	0.300	0.548	0.694	0.850	1.133	1.410	2.024	2.430	2.883	3.733	4.579	6.485	7.754	9.177	11.851	14.517	20.533		
24 Mie-ken					0.321	0.576	0.931	1.239	1.881	2.293	2.747	3.590	4.424	6.293	7.536	8.927	11.538	14.139	20.008			
25 Shiga-ken						0.400	0.832	1.164	1.830	2.248	2.708	3.556	4.391	6.261	7.502	8.891	11.496	14.091	19.944			
26 Kyoto-fu					0.327	0.537	0.728	1.046	1.341	1.978	2.393	2.853	3.712	4.564	6.479	7.752	9.180	11.860	14.530	20.557		
27 Osaka-fu			0.241	0.373	0.618	0.768	0.931	1.231	1.525	2.180	2.614	3.100	4.011	4.917	6.962	8.323	9.851	12.720	15.580	22.036		
28 Hyogo-ken				0.256	0.569	0.738	0.916	1.235	1.545	2.228	2.678	3.181	4.122	5.058	7.167	8.571	10.145	13.102	16.050	22.702		
29 Nara-ken							0.359	0.762	1.070	1.684	2.070	2.494	3.276	4.046	5.770	6.913	8.193	10.594	12.986	18.380		
30 Wakayama-ken								0.723	1.098	1.805	2.240	2.714	3.583	4.436	6.341	7.603	9.015	11.662	14.298	20.241		
31 Tottori-ken								0.616	0.803	1.448	1.889	2.351	3.179	3.978	5.744	6.907	8.205	10.635	13.051	18.493		
32 Shimane-ken								0.231	0.803	1.555	1.985	2.443	3.271	4.076	5.861	7.039	8.356	10.823	13.276	18.806		
33 Okayama-ken						0.384	0.630	0.990	1.307	1.973	2.401	2.875	3.754	4.624	6.575	7.872	9.324	12.051	14.767	20.895		
34 Hiroshima-ken					0.353	0.549	0.734	1.044	1.334	1.962	2.371	2.826	3.675	4.517	6.410	7.670	9.081	11.732	14.374	20.335		
35 Yamaguchi-ken					0.123	0.482	0.861	1.173	1.811	2.216	2.663	3.488	4.303	6.129	7.341	8.698	11.245	13.781	19.503			
36 Tokushima-ken						0.499	0.915	1.614	2.029	2.477	3.293	4.090	5.864	7.038	8.349	10.808	13.254	18.769				
37 Kagawa-ken						0.799	1.211	1.989	2.467	2.988	3.945	4.884	6.980	8.369	9.923	12.837	15.739	22.281				
38 Ehime-ken					0.115	0.526	0.944	1.288	1.991	2.437	2.928	3.836	4.733	6.741	8.074	9.567	12.368	15.159	21.453			
39 Kochi-ken						0.520	0.921	1.607	2.017	2.460	3.267	4.057	5.814	6.976	8.275	10.711	13.135	18.600				
40 Fukuoka-ken			0.233	0.542	0.707	0.880	1.189	1.488	2.149	2.584	3.069	3.978	4.881	6.917	8.272	9.791	12.645	15.490	21.910			
41 Saga-ken							0.479	1.003	1.827	2.310	2.828	3.770	4.688	6.729	8.078	9.586	12.411	15.222	21.558			
42 Nagasaki-ken						0.448	0.869	1.203	1.877	2.303	2.771	3.635	4.488	6.396	7.662	9.080	11.740	14.390	20.366			
43 Kumamoto-ken						0.277	0.545	0.900	1.205	1.838	2.243	2.689	3.517	4.335	6.169	7.387	8.752	11.312	13.863	19.618		
44 Oita-ken							0.330	0.791	1.127	1.791	2.206	2.661	3.499	4.324	6.169	7.393	8.763	11.332	13.891	19.662		
45 Miyazaki-ken							0.261	0.776	1.127	1.810	2.234	2.699	3.554	4.394	6.273	7.519	8.913	11.527	14.131	20.003		
46 Kagoshima-ken						0.358	0.617	0.984	1.305	1.976	2.407	2.883	3.766	4.640	6.600	7.902	9.360	12.098	14.825	20.977		
47 Okinawa-ken						0.483	0.949	1.316	2.057	2.524	3.038	3.986	4.921	7.014	8.403	9.958	12.875	15.781	22.335			

Table C. Relative Standard Error by Size of Estimate - Prefectures

Results of the table using questionnaire B

Area classification (Prefectures)	Size of estimate																			
	7,000,000	5,000,000	3,000,000	2,000,000	1,000,000	700,000	500,000	300,000	200,000	100,000	70,000	50,000	30,000	20,000	10,000	7,000	5,000	3,000	2,000	1,000
01 Hokkaido				0.418	1.051	1.379	1.722	2.333	2.923	4.224	5.081	6.037	7.825	9.604	13.610	16.276	19.266	24.883	30.481	43.116
02 Aomori-ken								1.404	2.126	3.488	4.326	5.240	6.917	8.563	12.239	14.674	17.398	22.507	27.594	39.064
03 Iwate-ken								1.276	1.961	3.240	4.025	4.878	6.445	7.982	11.411	13.683	16.225	20.990	25.735	36.433
04 Miyagi-ken						0.824	1.300	2.013	2.646	3.982	4.842	5.794	7.562	9.311	13.238	15.847	18.770	24.258	29.725	42.060
05 Akita-ken								0.900	1.652	2.914	3.664	4.473	5.947	7.387	10.590	12.709	15.078	19.517	23.935	33.894
06 Yamagata-ken								1.006	1.737	3.006	3.768	4.591	6.094	7.563	10.835	13.000	15.421	19.959	24.475	34.656
07 Fukushima-ken						0.417	1.112	1.927	2.610	4.013	4.906	5.889	7.711	9.509	13.540	16.216	19.213	24.838	30.440	43.078
08 Ibaraki-ken				0.459	1.011	1.450	2.151	2.790	4.153	5.036	6.015	7.837	9.642	13.698	16.394	19.415	25.087	30.739	43.490	
09 Tochigi-ken					0.494	1.137	1.933	2.607	3.996	4.881	5.857	7.665	9.451	13.454	16.113	19.090	24.677	30.243	42.797	
10 Gunma-ken					0.566	1.168	1.949	2.615	3.996	4.878	5.850	7.653	9.434	13.427	16.079	19.049	24.623	30.176	42.702	
11 Saitama-ken			0.097	0.632	1.254	1.605	1.979	2.654	3.309	4.761	5.720	6.791	8.796	10.791	15.286	18.279	21.636	27.941	34.226	48.410
12 Chiba-ken				0.522	1.179	1.532	1.903	2.569	3.213	4.636	5.574	6.620	8.580	10.528	14.917	17.840	21.116	27.271	33.406	47.253
13 Tokyo-to		0.327	0.607	0.834	1.295	1.586	1.907	2.500	3.086	4.396	5.266	6.240	8.068	9.888	13.994	16.730	19.798	25.563	31.310	44.283
14 Kanagawa-ken			0.406	0.699	1.210	1.516	1.847	2.451	3.042	4.358	5.229	6.203	8.028	9.845	13.940	16.668	19.726	25.473	31.202	44.131
15 Niigata-ken						0.641	1.195	1.950	2.601	3.958	4.826	5.785	7.563	9.320	13.261	15.878	18.810	24.313	29.795	42.162
16 Toyama-ken								1.137	1.947	3.360	4.209	5.126	6.802	8.441	12.091	14.507	17.208	22.271	27.310	38.670
17 Ishikawa-ken								1.182	1.879	3.151	3.925	4.766	6.307	7.817	11.183	13.412	15.906	20.581	25.235	35.728
18 Fukui-ken								1.180	2.599	3.370	4.181	5.638	7.047	10.164	12.218	14.511	18.904	23.073	32.692	
19 Yamanashi-ken								0.555	1.557	2.962	3.771	4.634	6.197	7.718	11.094	13.323	15.814	20.480	25.121	35.582
20 Nagano-ken						0.619	1.225	2.027	2.715	4.142	5.053	6.059	7.925	9.768	13.900	16.645	19.719	25.489	31.237	44.203
21 Gifu-ken						0.476	1.145	1.961	2.648	4.063	4.965	5.959	7.800	9.618	13.693	16.399	19.429	25.116	30.781	43.559
22 Shizuoka-ken					0.748	1.159	1.545	2.196	2.805	4.123	4.983	5.939	7.722	9.491	13.469	16.116	19.082	24.652	30.203	42.728
23 Aichi-ken			0.121	0.599	1.180	1.509	1.860	2.493	3.108	4.471	5.370	6.376	8.258	10.131	14.351	17.161	20.311	26.231	32.131	45.447
24 Mie-ken					0.261	1.066	1.905	2.597	4.012	4.910	5.898	7.728	9.533	13.578	16.263	19.270	24.912	30.532	43.209	
25 Shiga-ken						0.446	1.390	2.025	3.256	4.022	4.858	6.398	7.913	11.297	13.540	16.051	20.761	25.450	36.025	
26 Kyoto-fu					0.533	1.067	1.509	2.222	2.874	4.270	5.174	6.178	8.047	9.899	14.060	16.827	19.927	25.747	31.548	44.634
27 Osaka-fu			0.376	0.654	1.135	1.424	1.735	2.303	2.859	4.096	4.915	5.830	7.546	9.254	13.104	15.668	18.543	23.945	29.330	41.484
28 Hyogo-ken				0.365	1.058	1.402	1.759	2.392	3.002	4.345	5.228	6.213	8.057	9.889	14.016	16.763	19.843	25.629	31.395	44.409
29 Nara-ken							0.413	1.504	2.209	3.567	4.411	5.331	7.025	8.690	12.409	14.875	17.634	22.808	27.961	39.580
30 Wakayama-ken								0.915	1.671	2.943	3.700	4.516	6.003	7.456	10.690	12.828	15.219	19.699	24.159	34.210
31 Tottori-ken									0.762	2.661	3.557	4.481	6.116	7.686	11.139	13.408	15.939	20.673	25.377	35.971
32 Shimane-ken									1.053	2.342	3.039	3.773	5.089	6.362	9.177	11.032	13.104	16.981	20.837	29.523
33 Okayama-ken						0.508	1.125	1.902	2.561	3.921	4.789	5.746	7.518	9.269	13.195	15.802	18.721	24.200	29.657	41.969
34 Hiroshima-ken					0.552	1.018	1.419	2.071	2.671	3.959	4.795	5.723	7.451	9.164	13.013	15.573	18.442	23.828	29.195	41.305
35 Yamaguchi-ken						0.737	1.720	2.445	3.877	4.775	5.757	7.570	9.354	13.344	15.991	18.953	24.510	30.044	42.525	
36 Tokushima-ken								0.329	1.470	2.884	3.687	4.542	6.087	7.588	10.916	13.112	15.566	20.162	24.734	35.036
37 Kagawa-ken								0.957	1.692	2.950	3.702	4.514	5.995	7.443	10.667	12.800	15.184	19.653	24.101	34.127
38 Ehime-ken						0.626		1.475	2.099	3.331	4.103	4.948	6.505	8.039	11.469	13.744	16.290	21.066	25.823	36.550
39 Kochi-ken								0.486	1.493	2.864	3.650	4.489	6.007	7.484	10.759	12.922	15.338	19.865	24.368	34.516
40 Fukuoka-ken				0.310	0.990	1.318	1.657	2.259	2.837	4.109	4.945	5.878	7.623	9.358	13.264	15.864	18.779	24.254	29.712	42.028
41 Saga-ken								0.140	1.617	3.225	4.132	5.096	6.836	8.525	12.268	14.739	17.498	22.666	27.807	39.391
42 Nagasaki-ken							0.542	1.426	2.052	3.277	4.042	4.879	6.420	7.936	11.326	13.574	16.090	20.809	25.508	36.106
43 Kumamoto-ken					0.124	1.026		1.863	2.549	3.946	4.832	5.807	7.611	9.390	13.376	16.022	18.985	24.544	30.082	42.573
44 Oita-ken								1.216	1.867	3.083	3.830	4.642	6.133	7.595	10.858	13.020	15.438	19.973	24.488	34.667
45 Miyazaki-ken								1.273	1.970	3.265	4.058	4.921	6.503	8.055	11.518	13.812	16.378	21.189	25.979	36.779
46 Kagoshima-ken					0.122	1.063		1.931	2.642	4.090	5.008	6.019	7.888	9.732	13.864	16.606	19.677	25.439	31.178	44.124
47 Okinawa-ken						0.743		1.791	2.554	4.060	5.001	6.032	7.933	9.804	13.988	16.763	19.868	25.694	31.496	44.581

Table C. Relative Standard Error by Size of Estimate - *Shi* and *ku* with Population 300,000 and more

Area classification (Prefectures)		Size of estimate																			
		2,000,000	1,000,000	700,000	500,000	300,000	200,000	100,000	70,000	50,000	30,000	20,000	10,000	7,000	5,000	3,000	2,000	1,000	700	500	
01	Hokkaido		0.145	0.453	0.672	1.012	1.319	1.683	2.172	2.683	3.601	4.491	6.462	7.762	9.215	11.936	14.642	20.741	24.802	29.356	
02	Aomori-ken																				
03	Iwate-ken																				
04	Miyagi-ken				0.378	0.934	1.335	1.956	2.549	3.167	4.271	5.339	7.699	9.254	10.990	14.241	17.474	24.757	29.607	35.044	
05	Akita-ken							1.350	1.989	2.609	3.667	4.664	6.832	8.248	9.824	12.765	15.684	22.252	26.622	31.519	
06	Yamagata-ken																				
07	Fukushima-ken							1.501	2.174	2.833	3.965	5.034	7.363	8.885	10.580	13.744	16.886	23.953	28.656	33.927	
08	Ibaraki-ken																				
09	Tochigi-ken						1.000	2.271	2.954	3.671	4.957	6.200	8.947	10.756	12.777	16.558	20.319	28.790	34.430	40.754	
10	Gunma-ken							1.517	2.152	2.783	3.873	4.906	7.160	8.636	10.280	13.350	16.398	23.258	27.822	32.939	
11	Saitama-ken				0.377	0.821	1.127	1.700	2.323	2.950	4.049	5.098	7.401	8.914	10.599	13.751	16.883	23.935	28.628	33.890	
12	Chiba-ken					0.533	0.916	2.112	2.736	3.393	4.573	5.714	8.239	9.903	11.761	15.239	18.699	26.492	31.682	37.500	
13	Tokyo-to				0.141	0.724	1.076	2.259	2.917	3.610	4.857	6.065	8.738	10.501	12.470	16.156	19.822	28.082	33.582	39.749	
14	Kanagawa-ken		0.459	0.454	0.709	0.865	1.009	1.741	2.308	2.888	3.917	4.908	7.091	8.529	10.133	13.135	16.120	22.843	27.319	32.337	
15	Niigata-ken				0.454	0.852	1.513	1.905	2.327	3.095	3.845	5.514	6.618	7.852	10.164	12.466	17.653	21.107	24.981		
16	Toyama-ken							1.808	2.494	3.186	4.396	5.549	8.074	9.730	11.575	15.024	18.449	26.160	31.292	37.045	
17	Ishikawa-ken							0.697	1.894	2.499	3.129	4.249	5.329	7.707	9.273	11.019	14.287	17.535	24.851	29.721	35.182
18	Fukui-ken																				
19	Yamanashi-ken																				
20	Nagano-ken							1.504	2.110	2.715	3.767	4.765	6.947	8.377	9.969	12.943	15.897	22.545	26.969	31.928	
21	Gifu-ken						0.287	1.693	2.292	2.904	3.982	5.014	7.278	8.766	10.424	13.524	16.604	23.539	28.155	33.329	
22	Shizuoka-ken					0.409	0.904	1.662	2.105	2.579	3.441	4.280	6.146	7.378	8.756	11.337	13.905	19.694	23.549	27.872	
23	Aichi-ken		0.278	0.501	0.696	1.013	1.305	1.485	2.093	2.692	3.730	4.715	6.869	8.280	9.852	12.790	15.707	22.274	26.644	31.543	
24	Mie-ken							1.432	2.170	2.873	4.064	5.182	7.606	9.189	10.948	14.231	17.489	24.817	29.692	35.156	
25	Shiga-ken							1.396	2.055	2.694	3.786	4.815	7.051	8.513	10.139	13.174	16.187	22.965	27.475	32.530	
26	Kyoto-fu			0.329	0.633	1.042	1.393	2.122	2.589	3.104	4.059	5.002	7.118	8.523	10.097	13.052	15.995	22.634	27.057	32.018	
27	Osaka-fu		0.421	0.605	0.786	0.842	0.790	1.806	2.384	2.982	4.044	5.067	7.324	8.809	10.467	13.568	16.652	23.597	28.221	33.405	
28	Hyogo-ken			0.326	0.629	1.035	0.964	2.092	2.697	3.335	4.484	5.597	8.061	9.686	11.502	14.901	18.281	25.899	30.971	36.658	
29	Nara-ken							1.407	2.006	2.599	3.622	4.591	6.705	8.089	9.629	12.506	15.362	21.789	26.066	30.860	
30	Wakayama-ken							1.695	2.354	3.016	4.171	5.270	7.674	9.250	11.006	14.287	17.545	24.880	29.762	35.233	
31	Tottori-ken																				
32	Shimane-ken																				
33	Okayama-ken					0.536	0.745	1.744	2.326	2.925	3.986	5.005	7.247	8.721	10.366	13.443	16.501	23.387	27.972	33.111	
34	Hiroshima-ken				0.393	0.847	0.837	1.832	2.351	2.900	3.889	4.848	6.975	8.379	9.947	12.883	15.805	22.388	26.772	31.687	
35	Yamaguchi-ken																				
36	Tokushima-ken																				
37	Kagawa-ken						0.587	1.950	2.601	3.274	4.465	5.609	8.127	9.782	11.627	15.080	18.511	26.238	31.382	37.148	
38	Ehime-ken							1.028	2.265	2.936	3.643	4.912	6.140	8.855	10.645	12.643	16.384	20.103	28.483	34.063	40.319
39	Kochi-ken							1.445	2.009	2.576	3.564	4.504	6.560	7.907	9.409	12.214	15.000	21.271	25.445	30.123	
40	Fukuoka-ken			0.405	0.369	0.907	1.264	1.730	2.311	2.902	3.945	4.946	7.153	8.604	10.224	13.255	16.268	23.055	27.573	32.638	
41	Saga-ken																				
42	Nagasaki-ken						0.536	1.865	2.493	3.141	4.287	5.387	7.807	9.398	11.172	14.490	17.788	25.213	30.156	35.698	
43	Kumamoto-ken					0.482	0.955	1.717	2.166	2.649	3.528	4.385	6.292	7.552	8.961	11.600	14.227	20.148	24.092	28.514	
44	Oita-ken						0.637	1.856	2.459	3.085	4.197	5.267	7.624	9.174	10.903	14.138	17.353	24.595	29.415	34.820	
45	Miyazaki-ken						0.214	1.700	2.308	2.929	4.020	5.063	7.353	8.857	10.533	13.666	16.779	23.788	28.454	33.683	
46	Kagoshima-ken					0.387	1.166	2.234	2.847	3.500	4.684	5.834	8.387	10.073	11.957	15.485	18.995	26.906	32.174	38.080	
47	Okinawa-ken							1.429	2.116	2.780	3.912	4.978	7.294	8.806	10.490	13.631	16.749	23.764	28.431	33.661	

Table C. Relative Standard Error by Size of Estimate - *Shi* and *ku* with Population 100,000 – 299,999

(%)																			
Area classification (Prefectures)	Size of estimate																		
	2,000,000	1,000,000	700,000	500,000	300,000	200,000	100,000	70,000	50,000	30,000	20,000	10,000	7,000	5,000	3,000	2,000	1,000	700	500
01 Hokkaido							1.061	1.563	1.833	2.929	3.910	5.943	7.243	8.679	11.342	13.975	19.882	23.805	28.200
02 Aomori-ken							0.812	1.320	1.992	3.010	3.924	5.867	7.122	8.512	11.097	13.658	19.408	23.230	27.513
03 Iwate-ken							1.188	1.798	2.379	2.404	3.362	5.262	6.457	7.769	10.193	12.582	17.932	21.482	25.456
04 Miyagi-ken							0.600	1.079	1.874	3.152	4.224	6.443	7.860	9.424	12.324	15.189	21.615	25.882	30.662
05 Akita-ken																			
06 Yamagata-ken							0.781	1.601	1.360	2.436	3.457	5.457	6.711	8.084	10.620	13.116	18.704	22.410	26.560
07 Fukushima-ken							1.145	1.804	1.720	2.953	3.958	6.030	7.354	8.815	11.524	14.201	20.206	24.195	28.662
08 Ibaraki-ken							1.169	1.630	2.726	2.726	3.736	5.777	7.070	8.492	11.125	13.723	19.545	23.409	27.737
09 Tochigi-ken								0.624	1.260	2.513	3.487	5.446	6.683	8.041	10.550	13.024	18.563	22.239	26.354
10 Gunma-ken							0.223	1.314	1.739	2.869	3.830	5.827	7.104	8.515	11.131	13.716	19.515	23.367	27.682
11 Saitama-ken							0.515	0.889	1.364	2.636	3.658	5.709	7.003	8.425	11.053	13.644	19.444	23.294	27.604
12 Chiba-ken							0.897	1.067	1.684	2.894	3.932	6.055	7.404	8.889	11.640	14.356	20.442	24.282	29.007
13 Tokyo-to						0.307	1.182	1.631	2.129	3.333	4.379	6.580	7.997	9.566	12.480	15.365	21.841	26.145	30.967
14 Kanagawa-ken							0.880	1.406	1.971	3.083	4.075	6.152	7.486	8.961	11.700	14.409	20.490	24.530	29.056
15 Niigata-ken							0.626	1.105	1.753	2.866	3.819	5.803	7.074	8.476	11.079	13.651	19.421	23.254	27.547
16 Toyama-ken								0.545	1.490	2.589	3.509	5.398	6.599	7.923	10.375	12.795	18.219	21.820	25.852
17 Ishikawa-ken									1.904	3.069	5.178	6.458	7.847	10.390	12.880	18.433	22.109	26.220	
18 Fukui-ken							0.811	1.567	2.203	3.232	4.176	6.198	7.510	8.965	11.676	14.362	20.397	24.410	28.907
19 Yamanashi-ken							0.493	1.324	1.941	2.910	3.787	5.653	6.860	8.198	10.686	13.150	18.685	22.365	26.487
20 Nagano-ken							0.916	1.184	1.975	2.648	3.647	5.653	6.921	8.317	10.898	13.444	19.150	22.937	27.178
21 Gifu-ken								0.370	1.278	2.283	3.243	5.137	6.323	7.623	10.020	12.380	17.659	21.160	25.079
22 Shizuoka-ken							0.660	1.229	1.501	2.574	3.573	5.571	6.831	8.216	10.775	13.298	18.950	22.700	26.899
23 Aichi-ken							0.544	0.877	1.495	2.669	3.646	5.635	6.897	8.286	10.855	13.391	19.073	22.845	27.068
24 Mie-ken							1.100	1.162	1.558	2.704	3.648	5.588	6.825	8.188	10.714	13.208	18.801	22.515	26.675
25 Shiga-ken								1.216	2.353	3.423	5.495	6.785	8.194	10.789	13.341	19.044	22.826	27.058	
26 Kyoto-fu							1.078	1.165	2.035	3.348	4.469	6.798	8.289	9.934	12.985	16.001	22.767	27.260	32.293
27 Osaka-fu							0.852	1.230	1.597	2.843	3.882	5.994	7.335	8.810	11.541	14.236	20.275	24.284	28.773
28 Hyogo-ken							0.657	1.239	2.083	3.163	4.205	6.373	7.762	9.297	12.145	14.961	21.281	25.479	30.181
29 Nara-ken								0.709	2.323	3.378	5.428	6.703	8.096	10.662	13.184	18.822	22.560	26.742	
30 Wakayama-ken																			
31 Tottori-ken								0.743	1.647	2.748	3.686	5.628	6.868	8.237	10.774	13.280	18.900	22.633	26.813
32 Shimane-ken								1.369	1.839	3.063	4.104	6.261	7.640	9.161	11.980	14.766	21.014	25.164	29.811
33 Okayama-ken								0.597	1.325	2.765	3.846	6.014	7.381	8.882	11.656	14.390	20.511	24.572	29.120
34 Hiroshima-ken							0.650	1.345	1.657	2.871	3.868	5.921	7.230	8.674	11.349	13.990	19.914	23.847	28.253
35 Yamaguchi-ken							0.770	0.970	1.726	2.930	3.932	6.003	7.325	8.783	11.487	14.159	20.149	24.128	28.584
36 Tokushima-ken							1.167	1.820	2.432	3.463	4.425	6.508	7.866	9.375	12.191	14.984	21.266	25.445	30.128
37 Kagawa-ken								0.759	2.559	3.744	6.034	7.458	9.012	11.872	14.684	20.967	25.132	29.793	
38 Ehime-ken								0.937	1.150	2.495	3.491	5.480	6.731	8.105	10.641	13.139	18.733	22.444	26.598
39 Kochi-ken																			
40 Fukuoka-ken							0.923	1.596	2.136	3.119	4.164	6.324	7.706	9.233	12.065	14.864	21.144	25.316	29.990
41 Saga-ken							0.746	1.742	1.430	2.966	4.061	6.275	7.678	9.222	12.080	14.900	21.220	25.416	30.114
42 Nagasaki-ken							1.011	1.756	1.849	3.149	4.223	6.442	7.858	9.421	12.319	15.183	21.605	25.871	30.648
43 Kumamoto-ken								1.248	1.472	2.756	3.775	5.843	7.154	8.597	11.266	13.899	19.798	23.714	28.098
44 Oita-ken								1.447	2.659	3.646	5.653	6.924	8.323	10.910	13.462	19.179	22.974	27.222	
45 Miyazaki-ken								0.958	1.385	2.575	3.527	5.463	6.689	8.039	10.536	12.999	18.517	22.179	26.280
46 Kagoshima-ken									1.190	2.719	3.841	6.067	7.464	8.995	11.820	14.601	20.825	24.953	29.575
47 Okinawa-ken									0.621	2.765	4.046	6.521	8.058	9.737	12.827	15.865	22.652	27.152	32.187

Table C. Relative Standard Error by Size of Estimate - *Shi* and *ku* with Population less than 50,000

(%)

Area classification (Prefectures)	Size of estimate									
	30, 000	20, 000	10, 000	7, 000	5, 000	3, 000	2, 000	1, 000	700	500
01 Hokkaido		0.743	1.874	2.755	3.576	5.377	6.777	10.379	12.648	15.150
02 Aomori-ken			1.684	2.744	3.701	5.295	6.778	9.983	12.071	14.390
03 Iwate-ken			1.845	2.734	3.745	5.395	6.923	10.214	12.355	14.734
04 Miyagi-ken			2.151	3.275	4.327	6.108	7.780	11.409	13.779	16.415
05 Akita-ken			1.725	2.750	3.776	5.460	7.017	10.368	12.547	14.967
06 Yamagata-ken			1.768	2.737	3.474	5.282	6.873	10.250	12.434	14.853
07 Fukushima-ken		0.225	1.997	3.046	4.028	5.691	7.249	10.633	12.842	15.299
08 Ibaraki-ken		0.479	2.140	3.146	4.112	5.763	7.320	10.709	12.924	15.390
09 Tochigi-ken			1.858	2.990	3.999	5.688	7.264	10.677	12.903	15.378
10 Gunma-ken		0.805	2.591	3.450	4.339	5.914	7.427	10.757	12.947	15.389
11 Saitama-ken										
12 Chiba-ken		0.819	2.509	3.444	4.388	6.039	7.615	11.069	13.335	15.861
13 Tokyo-to										
14 Kanagawa-ken		0.845	2.548	3.486	4.437	6.105	7.697	11.187	13.478	16.030
15 Niigata-ken			1.808	2.877	3.855	5.493	7.021	10.328	12.484	14.880
16 Toyama-ken			2.075	3.176	4.186	5.897	7.505	10.996	13.277	15.814
17 Ishikawa-ken			2.045	2.391	3.588	5.340	6.923	10.299	12.485	14.909
18 Fukui-ken			1.438	2.358	3.450	5.146	6.683	9.959	12.079	14.429
19 Yamanashi-ken	0.761	1.258	2.176	3.278	4.315	6.076	7.731	11.325	13.674	16.286
20 Nagano-ken		0.752	2.149	2.896	3.927	5.621	7.194	10.591	12.804	15.263
21 Gifu-ken			1.609	2.670	3.734	5.443	7.013	10.383	12.572	15.001
22 Shizuoka-ken	1.312	1.770	2.568	3.594	4.610	6.376	8.055	11.727	14.135	16.817
23 Aichi-ken		0.640	2.666	3.633	4.617	6.344	7.994	11.614	13.991	16.639
24 Mie-ken			1.437	2.852	3.966	5.771	7.432	11.001	13.319	15.892
25 Shiga-ken		0.219	2.296	3.268	4.228	5.885	7.455	10.881	13.124	15.622
26 Kyoto-fu		1.419	2.697	3.298	4.347	6.117	7.778	11.388	13.747	16.372
27 Osaka-fu			2.275	3.354	4.399	6.184	7.865	11.520	13.908	16.565
28 Hyogo-ken		0.708	2.447	3.510	4.542	6.320	8.004	11.679	14.086	16.766
29 Nara-ken			1.824	2.951	3.984	5.709	7.313	10.778	13.034	15.541
30 Wakayama-ken			1.819	3.044	4.136	5.947	7.627	11.250	13.609	16.228
31 Tottori-ken		0.809	2.460	3.453	4.440	6.154	7.781	11.340	13.672	16.269
32 Shimane-ken		0.835	2.001	3.012	3.969	5.596	7.123	10.441	12.608	15.018
33 Okayama-ken			2.181	3.169	4.132	5.785	7.345	10.742	12.964	15.436
34 Hiroshima-ken			2.030	3.037	4.001	5.641	7.181	10.528	12.713	15.144
35 Yamaguchi-ken		1.240	2.270	3.264	4.228	5.888	7.459	10.887	13.131	15.630
36 Tokushima-ken			2.263	3.255	4.229	5.905	7.490	10.945	13.206	15.722
37 Kagawa-ken			2.288	3.351	4.385	6.155	7.823	11.452	13.824	16.464
38 Ehime-ken		0.621	2.420	3.368	4.319	5.975	7.550	10.995	13.254	15.769
39 Kochi-ken		1.016	1.891	2.775	3.922	5.748	7.419	10.999	13.323	15.901
40 Fukuoka-ken		0.651	2.171	3.280	4.319	6.082	7.738	11.337	13.688	16.303
41 Saga-ken			1.775	2.829	3.985	5.823	7.506	11.118	13.462	16.065
42 Nagasaki-ken		0.396	1.836	2.893	3.844	5.443	6.940	10.186	12.305	14.660
43 Kumamoto-ken		0.166	1.994	3.123	4.165	5.917	7.555	11.102	13.416	15.988
44 Oita-ken			2.039	2.980	4.024	5.754	7.363	10.840	13.105	15.622
45 Miyazaki-ken		0.900	1.513	2.866	3.916	5.637	7.231	10.667	12.902	15.386
46 Kagoshima-ken		0.741	2.196	2.972	3.994	5.677	7.245	10.640	12.854	15.317
47 Okinawa-ken		1.101	2.899	3.959	5.035	6.922	8.724	12.677	15.271	18.162

**Table C. Relative Standard Error by Size of Estimate - *Machi* and *Mura* Population
15,000 and more**

(%)

Area classification (Prefectures)	Size of estimate									
	30,000	20,000	10,000	7,000	5,000	3,000	2,000	1,000	700	500
01 Hokkaido			2.183	3.348	5.054	7.782	10.205	15.320	18.617	22.266
02 Aomori-ken			0.868	1.837	3.462	6.514	8.938	13.857	16.973	20.400
03 Iwate-ken			2.077	2.572	4.094	7.053	9.503	14.547	17.764	21.310
04 Miyagi-ken			2.550	4.013	5.172	7.897	10.314	15.433	18.737	22.396
05 Akita-ken					2.071	5.119	7.253	11.475	14.122	17.022
06 Yamagata-ken				1.890	3.342	5.711	8.005	12.576	15.451	18.605
07 Fukushima-ken				1.854	3.526	6.808	9.386	14.600	17.898	21.522
08 Ibaraki-ken		1.458	3.118	2.807	4.598	7.252	9.568	14.428	17.553	21.007
09 Tochigi-ken			2.788	4.246	5.004	7.766	10.167	15.234	18.501	22.118
10 Gunma-ken		1.520	2.391	3.721	5.058	7.762	10.150	15.199	18.456	22.063
11 Saitama-ken			3.101	3.784	5.505	8.112	10.481	15.548	18.835	22.482
12 Chiba-ken			0.811	2.801	4.676	7.342	9.689	14.620	17.790	21.294
13 Tokyo-to			3.097	4.882	5.091	8.460	11.282	17.137	20.884	25.021
14 Kanagawa-ken		0.934	3.083	4.136	5.609	8.322	10.770	15.994	19.380	23.136
15 Niigata-ken										
16 Toyama-ken			0.260	2.873	4.610	7.179	9.453	14.243	17.325	20.734
17 Ishikawa-ken			2.602	3.110	5.028	7.734	10.137	15.213	18.485	22.106
18 Fukui-ken				1.388	3.125	6.299	8.728	13.618	16.705	20.097
19 Yamanashi-ken			2.992	2.790	5.379	8.628	11.443	17.327	21.102	25.272
20 Nagano-ken		2.595	3.782	3.337	5.486	8.451	11.071	16.604	20.171	24.120
21 Gifu-ken			1.266	2.676	4.675	7.410	9.803	14.819	18.041	21.601
22 Shizuoka-ken			3.159	4.242	5.521	8.246	10.696	15.913	19.291	23.037
23 Aichi-ken			2.903	4.095	5.849	8.586	11.083	16.431	19.902	23.753
24 Mie-ken			1.838	3.571	4.797	7.656	10.118	15.275	18.587	22.248
25 Shiga-ken				3.053	5.178	8.218	10.883	16.467	20.051	24.012
26 Kyoto-fu			2.946	2.564	4.915	7.905	10.491	15.893	19.357	23.184
27 Osaka-fu			3.234	3.254	4.913	7.713	10.165	15.314	18.626	22.289
28 Hyogo-ken			2.456	3.009	4.736	7.496	9.899	14.939	18.177	21.757
29 Nara-ken			2.204	3.472	5.478	8.407	11.015	16.528	20.082	24.015
30 Wakayama-ken			2.399	3.552	5.367	8.082	10.525	15.714	19.069	22.786
31 Tottori-ken					2.723	5.857	8.232	12.967	15.943	19.206
32 Shimane-ken										
33 Okayama-ken										
34 Hiroshima-ken		1.484	2.948	3.739	5.411	7.989	10.333	15.343	18.590	22.193
35 Yamaguchi-ken			1.811	2.492	4.721	7.585	10.065	15.244	18.567	22.237
36 Tokushima-ken			2.084	4.522	6.122	9.502	12.478	18.750	22.790	27.260
37 Kagawa-ken			1.791	3.628	5.580	8.504	11.121	16.663	20.240	24.199
38 Ehime-ken			1.916	3.166	4.866	7.422	9.708	14.550	17.673	21.132
39 Kochi-ken			0.791	2.977	4.400	6.621	8.626	12.890	15.646	18.699
40 Fukuoka-ken		0.477	3.120	3.860	5.532	8.353	10.870	16.216	19.672	23.502
41 Saga-ken			0.888	1.988	4.680	7.871	10.577	16.173	19.744	23.683
42 Nagasaki-ken			2.637	4.470	6.087	8.760	11.238	16.582	20.059	23.922
43 Kumamoto-ken			3.694	4.583	4.600	7.765	10.351	15.714	19.147	22.937
44 Oita-ken			2.555	3.159	5.303	8.273	10.888	16.390	19.931	23.848
45 Miyazaki-ken			1.639	2.233	4.770	7.792	10.389	15.793	19.253	23.072
46 Kagoshima-ken			1.617	2.945	4.463	6.784	8.866	13.281	16.130	19.285
47 Okinawa-ken			2.936	4.551	6.256	9.517	12.423	18.580	22.556	26.959

Table C. Relative Standard Error by Size of Estimate - Major Metropolitan Areas, Metropolitan Areas and Range of Distance

(%)

Area classification	Size of estimate																				
	10,000,000	7,000,000	5,000,000	3,000,000	2,000,000	1,000,000	700,000	500,000	300,000	200,000	100,000	70,000	50,000	30,000	20,000	10,000	7,000	5,000	3,000	2,000	1,000
Major Metropolitan Areas																					
Sapporo M.M.A.						0.335	0.535	0.720	1.030	1.319	1.943	2.349	2.801	3.643	4.478	6.356	7.605	9.005	11.634	14.254	20.165
Sendai M.M.A.						0.158	0.477	0.705	1.062	1.383	2.068	2.510	3.000	3.911	4.813	6.840	8.187	9.696	12.529	15.352	21.721
Kanto M.M.A.	0.184	0.254	0.324	0.447	0.564	0.821	0.989	1.177	1.527	1.876	2.660	3.181	3.766	4.865	5.960	8.430	10.077	11.924	15.394	18.855	26.665
Niigata M.M.A.								0.326	0.727	1.029	1.626	2.001	2.412	3.169	3.916	5.585	6.692	7.932	10.257	12.573	17.795
Shizuoka, Hamamatsu M.M.A.						0.271	0.476	0.656	0.953	1.226	1.814	2.196	2.620	3.411	4.194	5.955	7.127	8.439	10.904	13.359	18.901
Chukyo M.M.A.				0.210	0.340	0.575	0.717	0.872	1.154	1.431	2.049	2.457	2.914	3.771	4.624	6.547	7.827	9.264	11.962	14.652	20.724
Kinki M.M.A.		0.145	0.225	0.347	0.455	0.683	0.831	0.994	1.297	1.596	2.269	2.717	3.218	4.158	5.095	7.209	8.618	10.198	13.167	16.127	22.809
Okayama M.M.A.							0.263	0.575	0.969	1.304	1.995	2.437	2.923	3.825	4.715	6.712	8.038	9.523	12.310	15.086	21.349
Hiroshima M.M.A.						0.170	0.456	0.669	1.002	1.305	1.947	2.363	2.824	3.681	4.530	6.437	7.704	9.124	11.790	14.447	20.440
Kitakyushu, Fukuoka M.M.A.					0.262	0.557	0.719	0.890	1.198	1.496	2.156	2.592	3.078	3.988	4.893	6.932	8.290	9.813	12.672	15.523	21.957
Kumamoto M.M.A.								0.452	0.847	1.167	1.813	2.223	2.673	3.505	4.326	6.164	7.383	8.749	11.312	13.864	19.622
Metropolitan Areas																					
Utsunomiya M.A.							0.250	0.588	1.004	1.354	2.077	2.538	3.045	3.986	4.915	6.997	8.380	9.928	12.834	15.728	22.258
Matsuyama M.A.									0.598	1.184	2.130	2.688	3.288	4.378	5.442	7.808	9.372	11.121	14.397	17.657	25.005
Kagoshima M.A.								0.407	0.909	1.286	2.033	2.501	3.015	3.962	4.895	6.983	8.367	9.917	12.824	15.719	22.249
Range of Distance																					
70km, radius of Tokyo	0.184	0.254	0.324	0.447	0.565	0.822	0.990	1.178	1.529	1.878	2.663	3.185	3.771	4.871	5.967	8.441	10.090	11.940	15.415	18.880	26.700
50km, radius of Nagoya				0.207	0.338	0.573	0.715	0.870	1.152	1.429	2.045	2.453	2.909	3.764	4.616	6.535	7.814	9.248	11.942	14.627	20.688
50km, radius of Osaka		0.111	0.205	0.334	0.446	0.678	0.827	0.991	1.296	1.597	2.272	2.721	3.223	4.166	5.105	7.224	8.636	10.220	13.195	16.162	22.858

Table D. Relative standard error by Principal Tabulation Item

Results of the table using questionnaire A and B

Item		Relative Standard Error(%)
Occupied Buildings Other than Dwelling by Type of Building	Total	5.78
	Worker's dormitories	5.26
	School dormitories	9.46
	Hotels or inns	10.34
	Others	6.63
Ordinary Households by Tenure of Occupied Buildings Other than Dwelling	Owned	11.05
	Rented	6.52
Dwellings by Construction Material	Wooden	0.39
	Wooden (excluding wooden and fire-proofed)	0.56
	Wooden and fire-proofed	0.32
	Non-wooden	0.22
	Reinforced steel-framed concrete	0.29
	Steel framed	0.52
Dwellings by Type of Building and Stories of Building	Others	2.11
	Detached houses	0.39
	1 story	0.68
	2 stories	0.37
	3 stories and over	0.74
	Tenement-houses	0.87
	1 story	1.22
	2 stories	0.95
	3 stories and over	4.82
	Apartments	0.20
	1 story	10.44
	2 stories	0.34
	3 stories	0.79
	4 stories	1.02
	5 stories	0.87
6 to 7 stories	0.67	
8 to 10 stories	1.06	
11 to 14 stories	0.89	
15 stories and over	1.96	
Others	1.62	
Dwellings by Occupancy Status	Occupied	0.21
	Without shared households	0.21
	With shared households	0.66
	Unoccupied	0.54
	Temporary occupants only	2.24
	Vacant	0.57
	As second dwellings	4.64
	Villas	6.30
	Others	2.08
	For rent	0.62
	For sale	1.53
	Others	0.52
	Under construction	6.84
Dwellings by Type of Dwelling	Used exclusively for living	0.21
	Used also for commerce or other purposes	0.69

Item		Relative Standard Error(%)
Dwellings by Tenure of Dwelling	Owned houses	0.36
	Rented houses	0.27
	Rented houses owned by local government, urban renaissance agency or public corporation	0.41
	Rented houses owned by local government	0.62
	Rented houses owned by urban renaissance agency or public corporation	0.89
	Rented houses owned privately	0.30
	Detached houses	0.50
	Tenement-houses	1.66
	Apartments	0.28
	Apartments (wooden)	0.76
	Apartments (non-wooden)	0.32
	Others	4.52
	Issued houses	1.92
Dwellings by Year of Construction	1950 or earlier	0.84
	1951 to 1970	0.63
	1971 to 1980	0.54
	1981 to 1990	0.51
	1991 to 1995	0.54
	1996 to 2000	0.43
	2001 to 2005	0.45
	2006 to 2010	0.44
	2011 to 2013	0.64
	2014	1.18
2015	1.62	
2016	1.14	
2017	0.98	
Jan. to Sep. 2018	1.49	
Dwellings by Area of Floor Space	19 m ² and under	0.92
	20 to 29 m ²	0.52
	30 to 39 m ²	0.67
	40 to 49 m ²	0.50
	50 to 59 m ²	0.53
	60 to 69 m ²	0.45
	70 to 79 m ²	0.54
	80 to 89 m ²	0.56
	90 to 99 m ²	0.46
	100 to 109 m ²	0.36
	110 to 119 m ²	0.36
	120 to 129 m ²	0.45
	130 to 139 m ²	0.43
	140 to 149 m ²	0.70
150 to 169 m ²	0.48	
170 to 199 m ²	0.57	
200 to 249 m ²	0.64	
250 m ² and over	0.76	
Ordinary Households by Dwelling Rooms	1 room	0.49
	2 rooms	0.62
	3 rooms	0.23
	4 rooms	0.25
	5 rooms	0.33
	6 rooms	0.50
	7 rooms	0.53
	8 rooms	0.64
	9 rooms	0.87
	10 rooms and over	0.74

Item		Relative Standard Error(%)
Ordinary Households by Tatami Units of Dwelling Rooms	5.9 tatami and under	2.98
	6.0 to 8.9 tatami	0.61
	9.0 to 11.9 tatami	0.44
	12.0 to 14.9 tatami	0.73
	15.0 to 17.9 tatami	0.69
	18.0 to 20.9 tatami	0.49
	21.0 to 23.9 tatami	0.57
	24.0 to 26.9 tatami	0.32
	27.0 to 29.9 tatami	0.41
	30.0 to 35.9 tatami	0.36
	36.0 to 47.9 tatami	0.30
	48.0 to 59.9 tatami	0.40
	60.0 tatami and over	0.50
Principal Households by Area of Dwelling rooms	17㎡ and under	1.13
	18 to 24㎡	0.73
	25 to 29㎡	0.87
	30 to 32㎡	0.90
	33 to 34㎡	0.93
	35 to 37㎡	1.40
	38 to 39㎡	1.42
	40 to 42㎡	0.93
	43 to 44㎡	1.58
	45 to 47㎡	0.78
	48 to 49㎡	1.39
	50 to 52㎡	0.90
	53 to 54㎡	1.10
	55 to 56㎡	0.70
	57 to 59㎡	0.70
	60 to 61㎡	0.71
	62 to 64㎡	0.90
65 to 66㎡	0.82	
67 to 68㎡	0.97	
69㎡ and over	0.33	
Dwellings by Type of Kitchen	Kitchen used with own household	0.23
	Kitchen used only for cooking	0.27
	Kitchen also used as dining-room	0.42
	Kitchen also used as dining-room and living room	0.23
	Other kitchen also used for other purposes	0.59
	Kitchen shared with other household	6.40
Dwellings by Facilities for Aged Persons, etc.	Equipped with facilities for aged persons, etc.	0.23
	Equipped with railing	0.26
	Entrance	0.41
	Toilet	0.32
	Bathroom	0.29
	Dressing room	0.64
	Corridor	0.59
	Stairs	0.30
	Dwelling rooms	0.38
	Others	0.97
	Easy-to-step-in bath tub	0.29
	Passage is wide enough for wheel-chair	0.39
	Without steps indoors	0.24
	Possible to move with a wheel-chair from the street to entrance	0.47
	Without facilities for aged persons, etc.	0.25

Item		Relative Standard Error(%)
Dwellings by Energy-Saving Equipment, etc.	Water heating unit utilizing solar energy	
	Owned	0.49
	Not owned	0.22
	Generator utilizing solar energy	
	Owned	0.47
	Not owned	0.23
	Double or more-sash window or double glass window	
All windows	0.35	
Some windows	0.30	
Not owned	0.27	
Dwellings by Situation of Dilapidation	Dilapidation exists	0.57
	Dilapidation does not exist	0.21
Apartments by Situation of Elevators, etc.	Equipped with elevator	0.27
	Part of the elevator door is fitted with glass	0.67
	Equipped with security camera	0.53
	Not equipped with these facilities	1.04
Not equipped with elevator	0.32	
Apartments by Whether or Not Apartments are Designed to Accommodate Aged Persons and Whether Doors are Equipped with Automatic Lock	Designed to accommodate aged persons	0.33
	Equipped with automatic lock	0.73
	Not equipped with automatic lock	1.13
	Not designed to accommodate aged persons	0.25
	Equipped with automatic lock	0.42
Not equipped with automatic lock	0.33	
Owned Houses by Purchase, Construction, Reconstruction, etc. of Dwelling	Purchased newly built houses	0.25
	From urban renaissance agency or public corporations	1.87
	From private companies	0.25
	Purchased used-houses	0.54
	Before housing remodeling	0.60
	After housing remodeling	0.67
	Newly built (excluding rebuilt)	0.29
	Rebuilt	0.62
Acquired by inheritance or grant	0.68	
Others	0.67	
Owned Houses by Extended or Renovated, etc. since 2014	Extended or renovated, etc.	0.51
	Extended or changed room layout	0.77
	Renovated kitchen, toilet, bathroom, lavatory	0.57
	Renovated interior parts such as ceiling, walls, floor	0.61
	Renovated roof, exterior walls, etc.	0.53
	Reinforced walls, pillars, foundation, etc.	0.71
	Installed insulation or condensation proofing on windows, walls, etc.	0.72
	Others	0.62
Not extended or renovated, etc.	0.32	
Owned Houses by Situation of Renovating of Facilities for Aged Persons, etc. since 2014	Renovating for aged persons, etc.	0.60
	Stairs and corridors with railing	0.63
	Slopes in the residence	0.76
	Renovating of bathroom	0.60
	Renovating of toilet	0.61
	Others	0.84
	Not renovating for aged persons, etc.	0.34
Owned Houses by Situation of Seismic Diagnosis of Dwellings since 2014	Conducted seismic diagnosis	0.98
	Earthquake resistance had been secured	1.00
	Earthquake resistance had not been secured	1.76
	Not conducted seismic diagnosis	0.40

Item		Relative Standard Error(%)
Owned Houses by Situation of Earthquake-resistant Renovating for Houses since 2014	Renovated to make it earthquake-resistant	0.64
	Newly-built or reinforced wall	0.95
	Installation of diagonal bracing	0.82
	Reinforcement of foundation	0.84
	Reinforcement by bolts	0.85
	Others	0.80
	No renovating for earthquake resistance	0.36
Owned Houses by Situation of Housing Remodeling since 2014	Housing remodeling was made	0.51
	Housing remodeling was not made	0.32
Households by Type of Household	Total	0.20
	Principal households	0.21
	One-person households	0.31
	Two or more persons households	0.22
	Shared households or households living in occupied buildings other than dwelling	1.49
	Ordinary households	1.07
	Quasi-households	2.51
Ordinary Households by Household Members	1 person	0.31
	2 persons	0.36
	3 persons	0.29
	4 persons	0.18
	5 persons	0.28
	6 persons	0.47
	7 persons and over	1.02
Ordinary Households by Family Type	Relatives households	0.22
	Nuclear families	0.21
	A married couple only	0.38
	A married couple with their child(ren)	0.16
	Couple is main earner	0.15
	Child is main earner	1.45
	Father with his child(ren)	0.59
	Father is main earner	0.65
	Child is main earner	1.31
	Mother with her child(ren)	0.45
	Mother is main earner	0.47
	Child is main earner	0.75
	Relative households excluding nuclear families	0.39
	A couple with their parents	1.12
	A couple with husband's parents	1.31
	A couple with wife's parents	2.28
	A couple with their parent	0.84
	A couple with husband's parent	0.76
	A couple with wife's parent	1.97
	A couple with their child(ren) and parents	0.68
	A couple with their child(ren) and husband's parents	0.73
	A couple with their child(ren) and wife's parents	1.12
	A couple with their child(ren) and parent	0.43
	A couple with their child(ren) and husband's parent	0.67
	A couple with their child(ren) and wife's parent	0.72
	A couple with relative(s) other than child(ren) and parent(s)	1.81
	A couple with their child(ren) and relative(s) other than parent(s)	0.84

Item		Relative Standard Error(%)
Ordinary Households by Family Type (cont.)	A couple with their parent(s) and relative(s) other than child(ren)	1.13
	A couple with husband's parent(s) and relative(s) other than child(ren)	1.34
	A couple with wife's parent(s) and relative(s) other than child(ren)	2.57
	A couple with their child(ren), parent(s) and other relative(s)	0.91
	A couple with their child(ren), husband's parent(s) and other relative(s)	1.16
	A couple with their child(ren), wife's parent(s) and other relative(s)	1.83
	Brothers or sisters only	1.00
	Relative households excluding nuclear families not elsewhere classified	0.96
	Households including non-relatives	1.00
	One-person households	0.31
		One-person households
	One-person household of a person up to age 64	0.46
	One-person household of a person up to age 29	1.00
	One-person household of a person age 30 to 64	0.43
	One-person household of a person age 65 or older	0.50
	One-person household of a person age 75 or older	0.48
	Two-person households	0.36
	Household of a couple only	0.38
	Aged-couple	0.51
	Others	0.57
	Others	0.48
	Three-person households	0.29
	Household of a couple and a child up to age 2	0.64
	Household of a couple and a child age 3 to 5	0.95
	Household of a couple and a child age 6 to 9	0.84
	Household of a couple and a child age 10 to 17	0.56
	Household of a couple and a person age 18 to 24	0.81
	Household of a couple and a person age 25 or older	0.43
	Others	0.63
	Four-person households	0.18
	Household of a couple and children up to age 2	1.73
	Household of a couple and children age 3 to 5	1.09
	Household of a couple and children age 6 to 9	0.79
	Household of a couple and children age 10 to 17	0.29
	Household of a couple and a person age 18 to 24	0.57
	Household of a couple and a person age 25 or older	0.65
	Household of a couple and a child up to age 17 and a person age 65 or older (four-person)	1.37
	Others	0.63
	Five-person households	0.28
	Household of a couple and children up to age 5	3.09
	Household of a couple and children age 6 to 9	1.22
	Household of a couple and children age 10 to 17	0.74
	Household of a couple and a person age 18 to 24	0.86
	Household of a couple and a person age 25 or older	0.95
	Household of a couple and a child up to age 17 and a person age 65 or older	0.63
	Others	0.65
	Six-person or more households	0.47
	Household of a couple and children up to age 17	1.40
	Household of a couple and a person age 18 to 24	1.10
	Household of a couple and a person age 25 or older	1.31
	Household of a couple and a child up to age 17 and a person age 65 or older	1.48
	Others	0.53

Item		Relative Standard Error(%)
Principal Households by Areas on Minimum Housing Standard	18 to 24㎡	0.99
	25 to 29㎡	0.37
	30 to 32㎡	0.37
	33 to 34㎡	0.57
	35 to 37㎡	0.71
	38 to 39㎡	0.60
	40 to 42㎡	0.34
	43 to 44㎡	1.07
	45 to 47㎡	0.82
	48 to 49㎡	0.80
	50 to 52㎡	0.41
	53 to 54㎡	1.55
	55 to 56㎡	1.17
	57 to 59㎡	0.50
	60 to 61㎡	1.38
	62 to 64㎡	1.20
	65 to 66㎡	0.77
	67 to 68㎡	0.80
	69㎡ and over	1.02
Principal Households by Areas on Targeted Housing Standard	(Areas on Targeted Housing Standard for Urban Areas)	
	37 to 39㎡	0.97
	40 to 54㎡	0.43
	55 to 59㎡	0.44
	60 to 64㎡	0.90
	65 to 69㎡	1.04
	70 to 74㎡	0.85
	75 to 79㎡	0.80
	80 to 84㎡	1.82
	85 to 89㎡	1.29
	90 to 94㎡	1.83
	95 to 99㎡	0.84
	100 to 104㎡	3.64
	105 to 109㎡	2.90
	110 to 113㎡	1.73
	114 to 118㎡	6.92
	119 to 123㎡	4.43
	124 to 128㎡	6.43
	129㎡ and over	3.76
	(Areas on Targeted Housing Standard for Rural Areas)	
	50 to 54㎡	3.83
	55 to 74㎡	0.60
	75 to 81㎡	0.49
	82 to 87㎡	0.94
	88 to 93㎡	1.47
	94 to 99㎡	0.89
	100 to 106㎡	0.41
107 to 112㎡	1.16	
113 to 118㎡	1.08	
119 to 124㎡	0.78	
125 to 130㎡	0.42	
131 to 136㎡	1.64	
137 to 142㎡	1.23	
143 to 148㎡	0.44	
149㎡ and over	0.47	
Ordinary Households by Annual Income	Under 1 million yen	0.47
	1 to under 2 million yen	0.40
	2 to under 3 million yen	0.37
	3 to under 4 million yen	0.34
	4 to under 5 million yen	0.32
	5 to under 7 million yen	0.34
	7 to under 10 million yen	0.34
	10 to under 15 million yen	0.39
	15 to under 20 million yen	1.04
	20 million yen and over	0.72

Item		Relative Standard Error(%)
Rented Houses by Monthly Rent	0 yen	2.00
	1 yen to under 5 thousand yen	3.48
	5 to under 10 thousand yen	2.17
	10 to under 15 thousand yen	1.99
	15 to under 20 thousand yen	1.06
	20 to under 25 thousand yen	0.80
	25 to under 30 thousand yen	1.29
	30 to under 40 thousand yen	0.33
	40 to under 50 thousand yen	0.68
	50 to under 60 thousand yen	0.85
	60 to under 70 thousand yen	0.64
	70 to under 80 thousand yen	0.59
	80 to under 90 thousand yen	1.11
	90 to under 100 thousand yen	1.66
	100 to under 110 thousand yen	1.26
	110 to under 120 thousand yen	1.95
	120 to under 150 thousand yen	1.63
150 to under 200 thousand yen	2.20	
200 thousand yen and over	3.45	
Ordinary Households by Sex and Age of Main Earner	Total	0.21
	Under 25 years old	1.40
	25 to 29 years old	0.59
	30 to 34 years old	0.71
	35 to 39 years old	0.56
	40 to 44 years old	0.36
	45 to 49 years old	0.21
	50 to 54 years old	0.26
	55 to 59 years old	0.37
	60 to 64 years old	0.51
	65 to 69 years old	0.46
	70 to 74 years old	0.57
	75 to 79 years old	0.53
	80 to 84 years old	0.47
	85 years old and over	0.58
	Male	0.20
	Under 25 years old	1.17
	25 to 29 years old	0.84
	30 to 34 years old	0.80
	35 to 39 years old	0.56
	40 to 44 years old	0.42
	45 to 49 years old	0.25
	50 to 54 years old	0.35
	55 to 59 years old	0.36
	60 to 64 years old	0.55
	65 to 69 years old	0.44
	70 to 74 years old	0.61
	75 to 79 years old	0.55
	80 to 84 years old	0.46
	85 years old and over	0.89
	Female	0.34
	Under 25 years old	2.47
	25 to 29 years old	1.28
30 to 34 years old	0.84	
35 to 39 years old	0.97	
40 to 44 years old	0.79	
45 to 49 years old	0.96	
50 to 54 years old	0.77	
55 to 59 years old	0.58	
60 to 64 years old	0.69	
65 to 69 years old	0.80	
70 to 74 years old	0.76	
75 to 79 years old	0.73	
80 to 84 years old	0.66	
85 years old and over	0.87	

Item		Relative Standard Error(%)
Ordinary Households by Employment Status of Main Earner	Self-employed workers	0.40
	In agriculture, forestry or fishery	0.84
	In commerce, industry, etc.	0.37
	Employees	0.16
	Employees of a company, association, public corporation or of an individual	0.18
	Government	0.50
	Temporary employee of worker-dispatching office	0.57
	Part time worker, side worker, etc.	0.37
	Without occupation	0.47
	Student	1.16
	Others	0.49
	Ordinary Households by Commuting Hours of Main Earner	Total
Work at home or resident employee		0.83
Under 15 minutes		0.17
15 to under 30 minutes		0.20
30 to under 45 minutes		0.32
45 minutes to under 1 hour		0.33
1 hour to under 1 hour and 30 minutes		0.36
1 hour and 30 minutes to under 2 hours		0.57
2 hours and over	1.01	
Ordinary Households by Year of Last Move of Main Earner	1950 or earlier	0.82
	1951 to 1970	0.71
	1971 to 1980	0.59
	1981 to 1990	0.58
	1991 to 1995	0.54
	1996 to 2000	0.48
	2001 to 2005	0.41
	2006 to 2010	0.33
	2011 to 2013	0.30
	2014	0.64
	2015	0.45
	2016	0.51
	2017	0.68
Jan. to Sep. 2018	0.56	
Ordinary Households Resided since 2014 by Type of Previous Residence of Main Earner	Total	0.35
	Lived in relatives' houses	0.63
	Lived in owned houses	0.54
	Lived in owned houses (detached houses or tenement-houses (including a terrace house))	0.51
	Lived in owned houses (apartments)	1.01
	Lived in rented houses	0.36
	Lived in rented houses owned by local government	0.78
	Lived in rented houses owned by urban renaissance agency or public corporation	2.01
	Lived in rented houses owned privately	0.40
	Lived in rented houses owned privately (detached houses or tenement-houses, including a terrace house)	0.60
	Lived in rented houses owned privately (apartments)	0.48
	Lived in issued houses	0.88
	Lived in shared houses or employer's houses	2.47
	Lived in dormitories	1.40
	Others	1.50

Item		Relative Standard Error(%)
Ordinary Households (Previously Lived in Owned Houses or Rented Houses) Resided since 2014 by Tatami Units of Dwelling Room by Previous Residence of Main Earner	5.9 tatami and under	1.68
	6.0 to 11.9 tatami	0.59
	12.0 to 17.9 tatami	0.55
	18.0 to 23.9 tatami	0.43
	24.0 to 29.9 tatami	0.61
	30.0 to 35.9 tatami	0.73
	36.0 to 47.9 tatami	0.68
	48.0 tatami and over	0.58
Ordinary Households by Domicile of the Main Earner's Children	Have children	0.26
	Living together (including the same area or household)	0.19
	Living within 5-minute walk	0.58
	Living less than 15-minute	0.50
	Living at a place of less than 1 hour	0.51
	Living 1 hour or more away	0.44
	No children	0.29
Detached Houses and Tenement-Houses by Building Area	Total	0.38
	19㎡ and under	2.20
	20 to 29㎡	0.62
	30 to 39㎡	0.58
	40 to 49㎡	0.55
	50 to 74㎡	0.32
	75 to 99㎡	0.44
	100 to 124㎡	0.65
125 to 149㎡	0.64	
150㎡ and over	0.80	
Principal Households by Tenure of Site	Owned site	0.36
	General leasehold	0.66
	Fixed-term leasehold, etc.	3.10
	Others	0.27
Principal Households Living in Owned or Rented Site by Type of Transfer of Site	Total	0.36
	From central or local government	0.90
	From urban renaissance agency or public corporations	1.32
	From corporation, such as a company	0.23
	From an individual	0.41
	By inheritance or grant	0.67
Others	0.62	
Detached Houses and Tenement-Houses by Site Area	49㎡ and under	0.65
	50 to 74㎡	0.33
	75 to 99㎡	0.46
	100 to 149㎡	0.41
	150 to 199㎡	0.43
	200 to 299㎡	0.49
	300 to 499㎡	0.54
	500 to 699㎡	0.59
	700 to 999㎡	1.02
	1,000 to 1,499㎡	0.99
1,500㎡ and over	1.14	

Item		Relative Standard Error(%)
Principal Households Living in Owned or Rented Site by Year of Acquisition of Site	1950 or earlier	0.83
	1951 to 1970	0.61
	1971 to 1980	0.66
	1981 to 1990	0.65
	1991 to 1995	0.62
	1996 to 2000	0.47
	2001 to 2005	0.57
	2006 to 2010	0.36
	2011 to 2013	0.61
	2014	1.12
	2015	1.26
	2016	0.76
	2017	0.79
	Jan. to Sep. 2018	0.83
Dwellings by Width of Road Abutting on the Site	Width of road abutting on the site	0.21
	Road with width under 2m	1.00
	2 to under 4m	0.40
	4 to under 6m	0.21
	6 to under 10m	0.32
	10m and over	0.57
	Width of road not abutting on the site	1.52
Ordinary Households by Tenure of Additional Dwellings	Owning dwellings other than present dwellings	0.31
	Not owning dwellings other than present dwellings	0.22
Ordinary Households by Main Use of Additional Dwellings	Occupied dwellings	0.29
	For relatives	0.29
	For rent	0.50
	For sale	1.58
	Others	0.67
	Unoccupied dwellings (vacant)	0.47
	As second dwellings or villas	1.05
	For rent	1.24
	For sale	1.47
Others	0.73	
Ordinary Households by Tenure State of Lands Other than Site of Present Dwelling	Owning additional land	0.48
	Dwelling site, etc. (excluding farmland and/or mountain/forest)	0.41
	Farmland	0.73
	Mountain/forest	0.74
	Not owning	0.19

Results of the table using questionnaire B

Item		Relative Standard Error(%)
Ordinary Households by Type of Household	Total	0.15
	Principal households	0.15
	Shared households	0.62
	Households living in occupied buildings other than dwelling	15.20
Ordinary Households by Annual Income	Under 1 million yen	1.13
	1 to under 2 million yen	1.02
	2 to under 3 million yen	0.30
	3 to under 4 million yen	0.49
	4 to under 5 million yen	0.77
	5 to under 7 million yen	0.42
	7 to under 10 million yen	0.33
	10 to under 15 million yen	1.08
	15 to under 20 million yen	1.09
	20 million yen and over	3.61
Ordinary Households by Tenure of Present Dwelling	Owned houses	0.23
	Other than owned houses	0.53
	Rented houses owned by local government	4.11
	Rented houses owned by urban renaissance agency or public corporation	6.45
	Rented houses owned privately	0.69
	Issued houses	4.79
	Shared households	0.62
	Households living in occupied buildings other than dwelling	15.20
	Owned	30.59
	Rented	18.41
Ordinary Households by Age of Main Earner	Under 25 years old	2.90
	25 to 29 years old	1.85
	30 to 34 years old	1.32
	35 to 39 years old	1.80
	40 to 44 years old	0.94
	45 to 49 years old	0.78
	50 to 54 years old	0.71
	55 to 59 years old	0.53
	60 to 64 years old	0.67
	65 to 69 years old	0.63
	70 to 74 years old	0.72
	75 to 79 years old	0.89
80 to 84 years old	1.01	
85 years old and over	1.01	
Ordinary Households by Employment Status of Main Earner	Self-employed workers	1.02
	In agriculture, forestry or fishery	2.28
	In commerce, industry, etc.	0.76
	Employees	0.27
	Employees of a company, association, public corporation or of an individual	0.31
	Government	1.49
	Temporary employee of worker-dispatching office	2.54
	Part time worker, side worker, etc.	0.78
	Without occupation	0.61
	Student	7.18
Others	0.70	
Ordinary Households Resided since 2014 by Place of Previous Residence of Main Earner	Total	0.59
	The same shi, ku, machi or mura	0.68
	The same ku	1.36
	Other ku in same shi	1.21
	Other shi, ku, machi or mura in same prefecture	1.53
	Another prefecture	1.84
Outside Japan	5.05	

Item		Relative Standard Error(%)
Ordinary Households by Family Type	Relatives households	0.12
	Nuclear families	0.19
	A married couple only	0.54
	A married couple with their child(ren)	0.35
	Couple is main earner	0.32
	Child is main earner	3.89
	Father with his child(ren)	1.59
	Father is main earner	1.56
	Child is main earner	4.49
	Mother with her child(ren)	0.70
	Mother is main earner	1.22
	Child is main earner	1.11
	Relative households excluding nuclear families	0.52
	A couple with their parents	2.70
	A couple with their parent	1.40
	A couple with their child(ren) and parents	0.88
	A couple with their child(ren) and parent	0.81
	A couple with relative(s) other than child(ren) and parent(s)	3.22
	A couple with their child(ren) and relative(s) other than parent(s)	2.18
	A couple with their parent(s) and relative(s) other than child(ren)	2.39
A couple with their child(ren), parent(s) and other relative(s)	0.52	
Brothers or sisters only	1.59	
Relative households excluding nuclear families not elsewhere classified	1.48	
Households including non-relatives	6.78	
One-person households	0.46	
Principal Households Living in Owned Houses by Title Deed to Dwelling and Share of Ownership	Total	0.23
	Household members only (including the head of household)	0.24
	Jointly with members of other household and/or corporation	1.30
	Ownership of household: 19% and under	3.22
	20 to 39%	3.88
	40 to 59%	1.74
	60 to 79%	2.07
	80% and over	5.11
	Others	0.90
	Principal Households Living in Owned Site by Title Deed to Site and Share of Ownership	Household members only (including the head of household)
Jointly with members of other household and/or corporation		1.21
Ownership of household: 19% and under		3.10
20 to 39%		1.84
40 to 59%		3.06
60 to 79%		4.90
80% and over		4.76
Others		0.75

	Item	Relative Standard Error(%)
Ordinary Households by Tenure of Additional Dwellings	Owning dwellings other than present dwellings	0.66
	Not owning dwellings other than present dwellings	0.15
Ordinary Households by Main Use of Additional Dwellings	Occupied dwellings	0.69
	For relatives	0.63
	For rent	1.48
	For sale	11.30
	Others	5.96
	Unoccupied dwellings (vacant)	1.63
	As second dwellings or villas	2.44
	For rent	2.53
	For sale	7.60
Others	1.59	
Owning Dwellings Other than Present Dwelling by Main Use of Additional Dwellings	Total	1.40
	Occupied dwellings	1.48
	For relatives	0.92
	For rent	2.57
	For sale	11.43
	Others	6.25
	Unoccupied dwellings (vacant)	1.49
	As second dwellings or villas	3.20
	For rent	3.04
For sale	10.14	
Others	1.73	
Ordinary Households by Additional Dwellings	0.9 dwellings and under	3.38
	1.0 to 1.9 dwellings	0.63
	2.0 to 2.9 dwellings	1.81
	3.0 to 3.9 dwellings	1.77
	4.0 to 4.9 dwellings	1.10
	5.0 to 5.9 dwellings	7.01
6.0 dwellings and over	2.26	
Ordinary Households Owning Additional Vacant (Others) Dwellings by Type of Vacant Dwelling Owned by Household	Detached houses	1.81
	Tenement-houses	7.64
	Apartments	6.04
	Others	14.29
Additional Vacant (Others) Dwellings by Type of Vacant Dwelling Owned by Household	Detached houses	1.71
	Tenement-houses	5.19
	Apartments	6.73
	Others	13.67
Ordinary Households Owning Additional Vacant (Others) Dwellings by Year of Construction of Vacant Dwelling Owned by Household	1970 or earlier	2.09
	1971 to 1980	3.16
	1981 to 1990	2.85
	1991 to 2000	8.60
	2001 to 2010	4.32
	2011 to Sep. 2018	8.16

	Item	Relative Standard Error(%)
Additional Vacant (Others) Dwellings by Year of Construction of Vacant Dwelling Owned by Household	1970 or earlier	2.22
	1971 to 1980	3.90
	1981 to 1990	2.39
	1991 to 2000	9.46
	2001 to 2010	4.11
	2011 to Sep. 2018	6.85
Ordinary Households Owning Additional Vacant (Others) Dwellings by Method of Acquisition of Vacant Dwelling Owned by Household	Newly built or rebuilt	2.54
	Purchased newly built houses	2.90
	Purchased used-houses	1.88
	Inheritance or grant	2.32
	Others	10.61
Additional Vacant (Others) Dwellings by Method of Acquisition of Vacant Dwelling Owned by Household	Newly built or rebuilt	2.16
	Purchased newly built houses	3.04
	Purchased used-houses	2.58
	Inheritance or grant	2.61
	Others	11.12
Additional Vacant (Others) Dwellings by Duration of Vacancy of Vacant Dwelling Owned by Household	Less than 1 year	5.59
	Over 1 year less than 3 years	5.31
	Over 3 years less than 5 years	3.53
	Over 5 years less than 7 years	7.26
	Over 7 years less than 9 years	4.86
	Over 9 years less than 11 years	6.09
	Over 11 years less than 14 years	6.34
	Over 14 years less than 17 years	5.42
	Over 17 years less than 20 years	8.91
	Over 20 years	4.69
Not sure	1.11	
Additional Vacant (Others) Dwellings by Location of Vacant Dwelling Owned by Household	Same municipality as present dwelling	2.68
	Same prefecture	2.73
	Other prefecture	5.92

Item		Relative Standard Error(%)
Ordinary Households by Tenure State of Land and/or Dwelling	Owning site of present dwelling	0.35
	Owning present dwelling	0.37
	Owning additional dwellings	0.65
	Owning additional dwelling site, etc.	0.74
	Owning farmland	1.31
	Owning mountain/forest	1.52
	Owning additional dwelling and/or dwelling site, etc.	0.80
	Owning additional dwellings and farmland and/or mountain/forest	1.42
	Owning additional dwelling site, etc. and farmland and/or mountain/forest	1.74
	Owning additional dwelling, dwelling site, etc. and farmland and/or mountain/forest	1.82
	Not owning	0.29
	Not owning present dwelling	1.05
	Owning additional dwellings	4.76
	Owning lands other than site of present dwelling	1.09
	Not owning	1.88
	Not owning site of present dwelling	0.48
	Owning present dwelling	0.70
	Owning dwellings other than present dwellings	3.66
	Owning lands other than site of present dwelling	3.64
	Not owning	1.05
	Not owning present dwelling	0.53
Owning dwellings other than present dwellings	1.24	
Owning lands other than site of present dwelling	2.22	
Not owning	0.53	
Ordinary Households Owning Land Other than Site of Present Dwelling by Location of Owned Land and Other than Site of Present Dwelling	Total	0.71
	Same municipality as present dwelling	0.79
	Same prefecture	1.40
	Other prefecture	1.84
	(Recount) Dwelling site, etc.	
	Same municipality as present dwelling	0.91
	Same prefecture	1.75
Other prefecture	1.91	
Tenure Lots of Ordinary Households Owning Land Other than Site of Present Dwelling by Location of Owned Land Other than Site of Present Dwelling	Total	1.35
	Same municipality as present dwelling	1.27
	Same prefecture	1.21
	Other prefecture	1.98
	(Recount) Dwelling site, etc.	
	Same municipality as present dwelling	1.28
	Same prefecture	1.61
Other prefecture	1.74	
Ordinary Households Owning Dwelling Site, etc. Other than Site of Present Dwelling by Tenure Type	Total	0.73
	Member of household (including the head of household)	0.91
	Jointly with members of other household and/or corporation	1.19

Item		Relative Standard Error(%)
Tenure Lots of Ordinary Households Owning Dwelling Site, etc. Other than Site of Present Dwellings by Tenure Type	Member of household (including the head of household)	1.12
	Jointly with members of other household and/or corporation	1.56
Ordinary Households Owning Dwelling Site, etc. Other than Site of Present Dwelling by Method of Acquisition	Purchased from central or local government	5.51
	Purchased from a company, urban renaissance agency or public corporation	1.40
	Purchased from an individual	0.94
	Acquired by inheritance or grant	1.06
	Others	3.37
Tenure Lots of Ordinary Households Owning Dwelling Site, etc. Other than Site of Present Dwellings by Method of Acquisition	Purchased from central or local government	5.95
	Purchased from a company, urban renaissance agency or public corporation	1.45
	Purchased from an individual	0.86
	Acquired by inheritance or grant	1.48
	Others	3.41
Ordinary Households Owning Dwelling Site, etc. Other than Site of Present Dwelling by Year of Acquisition	1970 or earlier	1.06
	1971 to 1980	2.22
	1981 to 1990	1.98
	1991 to 2000	1.71
	2001 to 2010	1.43
	2011 to 2015	1.59
	2016 to Sep. 2018	1.81
Tenure Lots of Ordinary Households Owning Dwelling Site, etc. Other than Site of Present Dwellings by Year of Acquisition	1970 or earlier	1.24
	1971 to 1980	2.07
	1981 to 1990	2.02
	1991 to 2000	1.69
	2001 to 2010	1.77
	2011 to 2015	1.84
	2016 to Sep. 2018	2.22

Item		Relative Standard Error(%)
Ordinary Households Owning Dwelling Site, etc. Other than Site of Present Dwelling by Use of Dwelling Site, etc.	Land for dwelling and business	0.64
	Used mainly as a building site	0.79
	Detached house used exclusively for living	0.67
	Detached house used also for commerce or other purpose	3.45
	Apartments and tenement-houses	2.25
	Office/shop	2.69
	Factory/warehouse	1.89
	Building-type parking	5.82
	Other building	3.88
	Used mainly for purposes other than building site	1.29
	Outdoor parking place	1.72
	Material yard	4.33
	Place for sports or recreation	7.96
	Used for other purposes	2.29
	Not used (vacant lot)	0.95
Others (wilderness, etc.)	4.11	
Tenure Lots of Ordinary Households Owning Dwelling Site, etc. Other than Site of Present Dwellings by Use of Dwelling Site, etc.	Land for dwelling and business	0.78
	Used mainly as a building site	0.97
	Detached house used exclusively for living	0.75
	Detached house used also for commerce or other purpose	2.84
	Apartments and tenement-houses	3.13
	Office/shop	3.32
	Factory/warehouse	1.92
	Building-type parking	7.73
	Other building	4.44
	Used mainly for purposes other than building site	1.30
	Outdoor parking place	2.07
	Material yard	4.02
	Place for sports or recreation	6.83
	Used for other purposes	2.32
	Not used (vacant lot)	1.30
Others (wilderness, etc.)	5.70	
Ordinary Households Owning Dwelling Site, etc. Other than Site of Present Dwelling by Main User of Dwelling Site, etc.	Used by his/her household	0.73
	Used by the spouse, parents, etc. who does not share the dwelling or the livelihood	2.76
	Used by other household and/or corporation	0.96
	No user	2.24
Tenure Lots of Ordinary Households Owning Dwelling Site, etc. Other than Site of Present Dwellings by Main User of Dwelling Site, etc.	Used by his/her household	0.87
	Used by the spouse, parents, etc. who does not share the dwelling or the livelihood	2.50
	Used by other household and/or corporation	1.46
	No user	1.86