



The WORLD VALUES SURVEY ASSOCIATION

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### **World Values Survey Wave 7 in Kazakhstan: Sample Design.**

To calculate the representative sample, the Institute uses the data provided by the Statistics Committee of the Ministry of National Economy of the Republic of Kazakhstan.

The main general population will consist of all non-institutionalized adults aged 18 and over who reside in the country (whose usual place of residence is in Kazakhstan) at the time of data collection. People who do not possess citizenship will be excluded from the sample.

The general population will not include adults from institutional collective housing units (or groups of premises), such as prisons, hospitals and nursing homes, as well as adults residing in military barracks and bases. However, the military, who remain in military barracks and military bases only during daylight hours, are included in the general population. Adults from other non-institutional collective housing units (or groups of premises), such as working-class blocks or social rehabilitation centers, are also included in the general population.

Adults who are unable to participate in the study due to hearing problem, blindness / visual impairment or disability are considered within the framework of the sample. However, they will be removed from the calculation of the response percentage, since according to the disposition codes they will be removed from the general sample.

The sample design will be calculated by a multistage sample. Kazakhstan consists of 14 oblasts and two cities of republican status – Astana city (capital) and Almaty city. The oblasts are incorporated in 5 regions (North Kazakhstan, Central Kazakhstan, West Kazakhstan, South Kazakhstan, East Kazakhstan) of the country + Astana and Almaty. Each oblast consists of districts. Totally, there are 177 districts in Kazakhstan. At last, each district incorporates a number of cities, small town and villages.

The population of Kazakhstan was estimated to be more than **16 009 597** people, among them the urban part was 8 662 432 (54%) and the rural one was 7 347 165 (46%).

Districts incorporate villages, city councils incorporate cities (one for each city council) and villages (not for all city councils). Villages, at last, are incorporated into rural districts (“selskiy okrug”).

Within each region, the sample is further stratified by five urbanization levels. As a result of cross-classification of the regions and urbanization levels, 51 strata are created. The sample was distributed across the 51 strata proportionally to the all population. Data from the 2009 population census is used as a measure of size of each stratum for purposes of allocation ([www.stat.gov.kz](http://www.stat.gov.kz))

Table A shows the population distribution by the 51 strata.

Region, Urbanization level, All Population, Population %, Proportional sample distribution, Actual sample distribution, Number of PSUs, Number of SSUs



**Table A (1200 respondents)**

Region	Urbanization level	All Population	Population %	Proportional Sample Distribution	Actual Sample Distribution	Number of PSUs	Number of SSUs
1. Almaty city	1,000,000+ (Sub Capital)	1 365 632	8,53	102	102	1	5
2. Astana city	50,000-99,999 (Capital)	613 006	3,83	46	46	1	2
3. Kostanai oblast	100,000-499,999	324 620	2,03	24	24	1	
4. Kostanai oblast	10,000-49,999	155 415	0,97	12	12	1	
5. Kostanai oblast	Less than 10,000	405 535	2,53	30	30	2	
6. North-Kazakhstan oblast	100,000-499,999	201 446	1,26	15	15	1	
7. North-Kazakhstan oblast	10,000-49,999	33 936	0,21	3	3	1	
8. North-Kazakhstan oblast	Less than 10,000	361 153	2,26	27	27	1	
9. Pavlodar oblast	100,000-499,999	442 301	2,76	33	33	1	2
10. Pavlodar oblast	10,000-49,999	41 677	0,26	3	3	1	
11. Pavlodar oblast	Less than 10,000	258 497	1,61	19	19	1	
12. Akmola oblast	100,000-499,999	135 106	0,84	10	10	1	
13. Akmola oblast	10,000-49,999	176 285	1,1	13	13	1	
14. Akmola oblast	Less than 10,000	426 104	2,66	32	32	2	
15. Karaganda oblast	100,000-499,999	629 368	3,93	47	47	1	2
16. Karaganda oblast	50,000-99,999	215 165	1,34	16	16	1	
17. Karaganda oblast	10,000-49,999	141 376	0,88	11	11	1	
18. Karaganda oblast	Less than 10,000	355 791	2,22	27	27	1	
19. East-Kazakhstan oblast	100,000-499,999	602 984	3,77	45	45	1	2
20. East-Kazakhstan oblast	50,000-99,999	50 500	0,32	4	4	2	
21. East-Kazakhstan oblast	10,000-49,999	170 405	1,06	13	13	1	
22. East-Kazakhstan oblast	Less than 10,000	572 704	3,58	43	43	2	
23. Almaty oblast	100,000-499,999	123 038	0,77	9	9	1	
24. Almaty oblast	50,000-99,999	58 418	0,36	4	4	1	
25. Almaty oblast	10,000-49,999	598 107	3,74	45	45	2	
26. Almaty oblast	Less than 10,000	1 028 331	6,42	77	77	3	
27. Zhambyl oblast	100,000-499,999	320 634	2	24	24	1	
28. Zhambyl oblast	10,000-49,999	235 121	1,47	18	18	1	



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29. Zhambyl oblast	Less than 10,000	466 374	2,91	35	35	2	
30. Kzyl-Orda oblast	100,000-499,999	188 682	1,18	14	14	1	
31. Kzyl-Orda oblast	10,000-49,999	207 893	1,3	16	16	1	
32. Kzyl-Orda oblast	Less than 10,000	282 219	1,76	21	21	1	
33. South-Kazakhstan oblast	500,000-999,999	603 499	3,77	45	45	1	2
34. South-Kazakhstan oblast	100,000-499,999	142 899	0,89	11	11	1	
35. South-Kazakhstan oblast	50,000-99,999	57 121	0,36	4	4	1	
36. South-Kazakhstan oblast	10,000-49,999	489 172	3,06	37	37	1	2
37. South-Kazakhstan oblast	Less than 10,000	1 176 666	7,35	88	88	4	
38. Aktubinsk oblast	100,000-499,999	345 687	2,16	26	26	1	
39. Aktubinsk oblast	10,000-49,999	138 041	0,86	10	10	1	
40. Aktubinsk oblast	Less than 10,000	274 040	1,71	21	21	1	
41. Atyrau oblast	100,000-499,999	165 387	1,03	12	12	1	
42. Atyrau oblast	50,000-99,999	51 097	0,32	4	4	1	
43. Atyrau oblast	10,000-49,999	64 355	0,4	5	5	1	
44. Atyrau oblast	Less than 10,000	229 538	1,43	17	17	1	
45. West-Kazakhstan oblast	100,000-499,999	202 161	1,26	15	15	1	
46. West-Kazakhstan oblast	50,000-99,999	59 938	0,37	4	4	1	
47. West-Kazakhstan oblast	Less than 10,000	336 781	2,1	25	25	1	
48. Mangystau oblast	100,000-499,999	166 962	1,04	12	12	1	
49. Mangystau oblast	50,000-99,999	91 332	0,57	7	7	1	
50. Mangystau oblast	10,000-49,999	139 307	0,87	10	11	1	
51. Mangystau oblast	Less than 10,000	87 791	0,55	7	8	1	
		<b>16009597</b>	<b>100%</b>	<b>1200</b>	<b>1200</b>	<b>72 PSU/SSU</b>	



### Selection of Primary Sampling Units (PSU)

Selection is done in two stages: in the first stage, cities/towns and villages serve as PSUs. Proportional selection of PSUs by regions and urbanization level strata. In the second stage, big cities divide on SSUs.

The list of primary sampling units (PSU) will consist of two types of PSUs:

- Villages – rural settlements which are subordinated to rural councils (“selskiyokrug”). Each of such settlement was used in sampling procedures as separate PSU;
- Urban settlements – each urban settlement was incorporated in sampling procedures as a separate PSU.

Choosing a PSU much attention is given to stratum, regardless, whether this is city or village.

We do not apply any restrictions related to preferences in selection of one or another PSU, i.e. all PSU available on our list participate in selection.

Population sizes of cities and districts from the 2009 Census will be used as a measure of size for PPS.

In sum, 94 PSUs will be selected across all strata. Nineteen out of 94 PSUs were big cities that have 100% chance of being selected and will serve as self-representing PSUs that will be treated as strata later for correct variance estimation.

**Table B (1200 respondents)**

PSU/ SSU code	Region	Settlement category	size	(SU) Settlement/ District Name	Urban/Rural	Number of interviews
1.	Almaty	1MM+		Almaty city-1	urban	17
2.	Almaty	1MM+		Almaty city-2	urban	17
3.	Almaty	1MM+		Almaty city-3	urban	17
4.	Almaty	1MM+		Almaty city-4	urban	17
5.	Almaty	1MM+		Almaty city-5	urban	17
6.	Almaty	1MM+		Almaty city-6	urban	17
7.	Astana	500K-999K		Astana city-1	urban	23
8.	Astana	500K-999K		Astana city-2	urban	23
9.	Kostanai Oblast	100K-499K		Kostanai-1	urban	24
10.	Kostanai Oblast	10K-49K			urban	12
11.	Kostanai Oblast	Under 10K			rural	15
12.	Kostanai Oblast	Under 10K			rural	15
13.	North-Kazakhstan Oblast	100K-499K		Petropavlovsk-1	urban	15
14.	North-Kazakhstan Oblast	10K-49K			rural	3
15.	North-Kazakhstan Oblast	Under 10K			rural	27
16.	Pavlodar Oblast	100K-499K		Pavlodar-1	urban	16
17.	Pavlodar Oblast	100K-499K		Pavlodar-2	urban	17
18.	Pavlodar Oblast	10K-49K			urban	3
19.	Pavlodar Oblast	Under 10K			rural	19
20.	Akmola Oblast	100K-499K		Kokshetau	urban	10
21.	Akmola Oblast	10K-49K		Shchuchinsk	urban	13
22.	Akmola Oblast	Under 10K			rural	15



23.	Akmola Oblast	Under 10K		rural	16
24.	Karaganda Oblast	100K-499K	Karaganda-1	urban	23
25.	Karaganda Oblast	100K-499K	Karaganda-1	urban	24
26.	Karaganda Oblast	50K-99K		urban	16
27.	Karaganda Oblast	10K-49K		urban	11
28.	Karaganda Oblast	Under 10K		rural	27
29.	East-Kazakhstan Oblast	100K-499K	Ust'-Kamenogorsk-1	urban	23
30.	East-Kazakhstan Oblast	100K-499K	Ust'-Kamenogorsk-2	urban	22
31.	East-Kazakhstan Oblast	50K-99K		urban	4
32.	East-Kazakhstan Oblast	10K-49K		rural	13
33.	East-Kazakhstan Oblast	Under 10K		rural	21
34.	East-Kazakhstan Oblast	Under 10K		rural	22
35.	Almaty Oblast	100K-499K	Taldykurgan	urban	9
36.	Almaty Oblast	50K-99K		urban	4
37.	Almaty Oblast	10K-49K		urban	23
38.	Almaty Oblast	10K-49K		urban	22
39.	Almaty Oblast	Under 10K		rural	25
40.	Almaty Oblast	Under 10K		rural	26
41.	Almaty Oblast	Under 10K		rural	26
42.	Zhambyl Oblast	100K-499K	Taraz-1	urban	24
43.	Zhambyl Oblast	10K-49K		urban	18
44.	Zhambyl Oblast	Under 10K		rural	17
45.	Zhambyl Oblast	Under 10K		rural	18
46.	Kzylorda Oblast	100K-499K	Kzylorda-1	urban	14
47.	Kzylorda Oblast	10K-49K		urban	16
48.	Kzylorda Oblast	Under 10K		rural	21
49.	South-Kazakhstan Oblast	500K-999K	Shimkent-1	urban	23
50.	South-Kazakhstan Oblast	500K-999K	Shimkent-2	urban	22
51.	South-Kazakhstan Oblast	100K-499K		urban	11
52.	South-Kazakhstan Oblast	50K-99K		urban	4
53.	South-Kazakhstan Oblast	10K-49K		urban	17
54.	South-Kazakhstan Oblast	10K-49K		urban	18
55.	South-Kazakhstan Oblast	Under 10K		rural	22
56.	South-Kazakhstan Oblast	Under 10K		rural	22
57.	South-Kazakhstan Oblast	Under 10K		rural	22
58.	South-Kazakhstan Oblast	Under 10K		rural	22
59.	Aktubinsk Oblast	100K-499K	Aktubinsk-1	urban	26
60.	Aktubinsk Oblast	10K-49K		urban	10
61.	Aktubinsk Oblast	Under 10K		rural	21
62.	Atyrau Oblast	100K-499K	Atyrau-1	urban	12
63.	Atyrau Oblast	50K-99K		urban	4
64.	Atyrau Oblast	10K-49K		rural	5
65.	Atyrau Oblast	Under 10K		rural	17
66.	West-Kazakhstan Oblast	100K-499K	Ural'sk-1	urban	15
67.	West-Kazakhstan Oblast	50K-99K		rural	4
68.	West-Kazakhstan Oblast	Under 10K		rural	25
69.	Mangystau Oblast	100K-499K	Aktau-1	urban	12
70.	Mangystau Oblast	50K-99K		urban	7
71.	Mangystau Oblast	10K-49K		rural	11
72.	Mangystau Oblast	Under 10K		rural	8



### **Selection of Secondary Sampling Units (SSU)**

- Because there is no unified frame of smaller territorial units within the cities, the following are used as Secondary Sampling Units (SSUs)/Sampling Points:
- Parts of large urban settlements – each urban settlement (cities) will be divided into parts (units). Each of the parts will participate in sampling procedures as a separate SSU. SSUs divide on the map by the supervisor.
- Some number of PSUs will not be divided into SSU because of these locations are small enough. Each city and village, which will be selected to the survey, is presented as a separate PSU. There is no special division of SSUs on the map, but the Supervisor will divide research locations into SSUs based on the parts of the city.
- Thus, dividing cities into small parts (SSU) in total we have 17 SSUs will be selected for the survey.

It should be noted that in total, 72 units consisting of PSUs together with SSUs will be selected, based on random sampling.

The number of SSUs to be selected within each stratum are determined by dividing the number of interviews allocated for a given stratum by 1200, which will result in an average of 17 interviews per SSU.