

TUS 2015

National statistical office

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Sampling

Sampling Procedure

Sampling frame

The TUS is a household based survey. Therefore, households are defined as sampling unit. The total sample size determined as 4,000 households or 0.5 percent of total households, representing the entire households in Mongolia. Since the survey covered 4 quarters, sample size was divided into four equal parts for four quarters.

Excluded are the Mongolian citizens residing outside the country or in military camps, orphanages, care centers, hospitals, prisons and other correctional institutions for more than six months.

All 8 provinces and 8 districts from Ulaanbaatar representing the five regions of Western, Khangai, Central, Eastern and Ulaanbaatar, that was surveyed.

Sampling method

The sampling design used a two-stage sampling method.

1. Stage 1: The proportionate number of households for each of the 5 regions of Mongolia was determined using probability sampling method. Following this method, it was established that there should be 640 HHs from the Western region, 800 HHs from Khangai region, 800 HHs from Central region, 560 HHs from Eastern region, and 1200 HHs from Ulaanbaatar. The lowest administrative units, khesege of khoroo for Ulaanbaatar, bagh of soum for aimags (provinces), were defined as primary sampling units (PSUs).

In total, 200 PSUs were selected with probability proportional to size.

2. Stage 2: After household listing of the selected PSUs was carried out by the statistical departments or divisions, 20 households were selected using systematic sampling from each PSU.

Sample household

Primary data collection unit of the survey is the household because the TUS is a household based survey. 13626 people from 3990 households' selected 14173 people from 4000 households were participated in the study.

Age over 12 years, 6914 people from selected 10091 people was fully participated in data collection of the survey and was answered in individual questionnaire.

Questionnaires

Overview

In line with the survey objectives and coverage of the survey, the questionnaires and manual were developed based on recommendations and methodology of EUROSTAT and UN Statistics Division and other countries' experiences. Pilot survey was conducted covering 50 households in order to pretest clearness of questionnaire, coherence between questions and define average time spent for interviewing one household.

There were two questionnaires:

1. TUS-1 refers to the Household and Individual questionnaire which contains questions on household listing, type of dwelling, water and sanitation, main source of electricity and heating, assets for households; education information, marital status, health status and employment status for people age 12 years and over.
2. TUS-2 refers to the Diary. This contains questions on daily activities and time spent for those activities.

Data Collection

Data Collection Dates

Start	End	Cycle
2015-01-01	2016-01-01	Every month

Time Periods

Start	End	Cycle
2015-01-01		Every month

Data Collection Mode

Face-to-face [f2f]

DATA COLLECTION NOTES

Data collection started in March and ended on the third week of December 2015. The fieldwork was conducted in every third week of March, June, September and December in 2015. Reference period was the "last week" or the week in which the survey took place. All days of week were covered in the diary.

Data Processing

Data Editing

Data Editing

The methods was used in combination for data collection process from the selected households, that are the computer assisted personal interview (CAPI) and paper assisted personal interview (PAPI).

Specifically, the researchers take the questionnaire from households and individuals using tablet. Diary of paper forms was checked in the household and edited into computer.

Data gathered from the field were coded and activities were classified according to the "International Classification of Activities for Time Use Statistics" developed by UNSD. (Annex-2)

The average time spent on each activity was calculated by all charecteristics, such as by population, by specific groups of the population, by age, by sex, by urban and rural areas and by regions.

Data Appraisal

No content available

File Description

Variable List

Household

Content
 Cases 3990
 Variable(s) 63
 Structure Type:
 Keys: ()
 Version
 Producer
 Missing Data

Variables

ID	Name	Label	Type	Format	Question
V1049	code		contin	numeric	
V1050	hh02	HH2. Number of sampling unit	contin	numeric	
V1051	hh03	HH03. HH number	contin	numeric	
V1052	hh04	HH04. Location	discrete	numeric	
V1053	hh05	HH05. Aimag/City	discrete	numeric	
V1054	hh06	HH06. Soum/District	contin	numeric	
V1055	hh10	HH10. Quarter	discrete	numeric	
V1056	hh11	HH11. Day of Diary Note	discrete	numeric	
V1057	hh13	HH13. Household size	discrete	numeric	
V1058	hh14	HH14. Number of household member age over 12 years	discrete	numeric	
V1059	hh15	HH15. Result of interview	discrete	numeric	
V1060	hh18_y	Year	discrete	numeric	
V1061	hh18_m	Month	discrete	numeric	
V1062	hh18_d	Day	contin	numeric	
V1063	hc1	WHAT TYPE OF YOUR DWELLING?	discrete	numeric	
V1064	hc1o	WHAT TYPE OF YOUR DWELLING?	discrete	character	
V1065	hc2	SIZE OF THE LIVING AREA OF YOUR DWELLING	contin	numeric	
V1066	hc3	HOW MANY ROOMS DOES YOUR DWELLING HAVE?	discrete	numeric	
V1067	hc4	HOW MANY WALLS DOES YOUR GER HAVE?	discrete	numeric	
V1068	hc5	DO YOU LIVING IN THIS HOUSEHOLD OWN THIS DWELLING?	discrete	numeric	
V1069	hc6	WHAT IS TYPE OF OWNERSHIP OF YOUR DWELLING?	discrete	numeric	
V1070	ws1	WHAT IS THE MAIN SOURCE OF DRINKING WATER FOR MEMBERS OF YOUR HOUSEHOLD?	discrete	numeric	
V1071	ws2	WHERE IS THAT WATER SOURCE LOCATED?	discrete	numeric	
V1072	ws3	HOW DO YOU GET DRINKING WATER?	discrete	numeric	
V1073	ws4	HOW LONG DOES IT TAKE TO GO THERE, GET WATER, AND COME BACK?	discrete	numeric	
V1074	ws5	WHO USUALLY GOES TO THIS SOURCE TO COLLECT THE WATER FOR YOUR HOUSEHOLD?	discrete	numeric	
V1075	ws6	WHAT KIND OF TOILET FACILITY DO MEMBERS OF YOUR HOUSEHOLD USUALLY USE?	discrete	numeric	

ID	Name	Label	Type	Format	Question
V1076	ew1	WHAT IS YOUR POWER SOURCE?	discrete	numeric	
V1077	ew2	WHAT IS YOUR HEATING SOURCE?	discrete	numeric	
V1078	ew2o	WHAT IS YOUR HEATING SOURCE?	discrete	character	
V1079	ew3	WHAT FUEL DO YOU USE USUALLY FOR YOUR HEATING?	discrete	numeric	
V1080	ew3o	WHAT FUEL DO YOU USE USUALLY FOR YOUR HEATING?	discrete	character	
V1081	ca1	DOES ANY MEMBER OF YOUR HOUSEHOLD OWN ANY AGRICULTURAL LAND?	discrete	numeric	
V1082	ca2	WHAT SIZE IS YOUR ACRICULTURE LAND?	discrete	numeric	
V1083	ca2a	WHAT SIZE IS YOUR ACRICULTURE LAND?	contin	numeric	
V1084	ca3	DOES YOUR HOUSEHOLD OWN ANY LIVESTOCK OR OTHER FARM ANIMALS?	discrete	numeric	
V1085	ca4a	Livestock: Horse	contin	numeric	
V1086	ca4b	Livestock: Cattle	contin	numeric	
V1087	ca4c	Livestock: Camel	contin	numeric	
V1088	ca4d	Livestock: Sheep	contin	numeric	
V1089	ca4e	Livestock: Goat	contin	numeric	
V1090	ca4f	Livestock: Pig	contin	numeric	
V1091	ca4g	Livestock: Poultry	contin	numeric	
V1092	ca4h	Livestock: Other	contin	numeric	
V1093	ca4ho	Livestock: Other (specify)	discrete	character	
V1094	ca5a	DOES YOUR HOUSEHOLD FOLLOWING WHICH ONE?:Renewable-energy generator	discrete	numeric	
V1095	ca5b	DOES YOUR HOUSEHOLD FOLLOWING WHICH ONE?:Renewable-energy generator	discrete	numeric	
V1096	ca5c	DOES YOUR HOUSEHOLD FOLLOWING WHICH ONE?: Computer	discrete	numeric	
V1097	ca5d	DOES YOUR HOUSEHOLD FOLLOWING WHICH ONE?: Internet connection	discrete	numeric	
V1098	ca5e	DOES YOUR HOUSEHOLD FOLLOWING WHICH ONE?: Television	discrete	numeric	
V1099	ca5f	DOES YOUR HOUSEHOLD FOLLOWING WHICH ONE?: Radio receiver	discrete	numeric	
V1100	ca5g	DOES YOUR HOUSEHOLD FOLLOWING WHICH ONE?: Telephone	discrete	numeric	
V1101	ca5h	DOES YOUR HOUSEHOLD FOLLOWING WHICH ONE?: Cell phone	discrete	numeric	
V1102	ca5i	DOES YOUR HOUSEHOLD FOLLOWING WHICH ONE?: Washing machine	discrete	numeric	
V1103	ca5j	DOES YOUR HOUSEHOLD FOLLOWING WHICH ONE?:Refrigerator	discrete	numeric	
V1104	ca5k	DOES YOUR HOUSEHOLD FOLLOWING WHICH ONE?: Vacuum Cleaner	discrete	numeric	
V1105	ca5l	DOES YOUR HOUSEHOLD FOLLOWING WHICH ONE?:Microwave	discrete	numeric	
V1106	ca5m	DOES YOUR HOUSEHOLD FOLLOWING WHICH ONE?: Passenger cars	discrete	numeric	
V1107	ca5n	DOES YOUR HOUSEHOLD FOLLOWING WHICH ONE?: Bus/ minivan	discrete	numeric	
V1108	ca5o	DOES YOUR HOUSEHOLD FOLLOWING WHICH ONE?: truck	discrete	numeric	
V1109	ca5p	DOES YOUR HOUSEHOLD FOLLOWING WHICH ONE?: Motorcycle	discrete	numeric	
V1110	ca5q	DOES YOUR HOUSEHOLD FOLLOWING WHICH ONE?: Tractor	discrete	numeric	
V1111	ca5r	DOES YOUR HOUSEHOLD FOLLOWING WHICH ONE?: Horse-drawn cart	discrete	numeric	

Population

Content	
Cases	13626
Variable(s)	52
Structure	Type: Keys: ()
Version	
Producer	
Missing Data	

Variables

ID	Name	Label	Type	Format	Question
V1112	code		contin	numeric	
V1113	hh04	HH04. Location	discrete	numeric	
V1114	hh05	HH5. Aimag/City, Code	discrete	numeric	
V1115	hh02	HH2. Number of sampling unit	contin	numeric	
V1116	hh03	HH3. HH number	contin	numeric	
V1117	hh13	HH13. Household size	discrete	numeric	
V1118	hl1a	Row	discrete	numeric	
V1119	hl3a	Relationship to household head	discrete	numeric	
V1120	hl4a	Sex	discrete	numeric	
V1121	hl6	Age /full/	contin	numeric	
V1122	hl7	Where and Who did care (name) usually in the last 7 days?	discrete	character	
V1123	hl8	HOW MANY HOURS SPENT FOR CARE (name) IN THE LAST 7 DAYS	contin	numeric	
V1124	hl9	WHO HELP FOR (name)'S LESSON AND HOMEWORK IN THE LAST 7 DAYS?	discrete	character	
V1125	hl10	HOW MANY HOURS SPENT FOR HELP (name)'S LESSON AND HOMEWORK IN THE LAST 7 DAYS	contin	numeric	
V1126	hl11	PLEASE CHECK THE NUMBER OF ROW FOR PERSON'S AGE IS 12 AND OVER YEARS	discrete	numeric	
V1127	hl12	(NAME) DO YOU HAVE POSSIBILITY FOR FILLING DIARY?	discrete	numeric	
V1128	ed1	DO (name) ATTEND SCHOOL OR DO (name) ATTEND SCHOOL AT ANY TIME?	discrete	numeric	
V1129	ed2	WHAT IS YOUR (NAME) REASON NOT EDUCATED LEARNED AND SCHOOL HAVE DROPPED OUT?	discrete	numeric	
V1130	ed3	WHAT IS THE HIGHEST LEVEL OF SCHOOL (name) HAS ATTENDED?	discrete	numeric	
V1131	ms1	WHAT IS (NAME) MARITAL STATUS?	discrete	numeric	
V1132	ms2	DOES (name) LIVE TOGETHER HIS/HER WIFE/HUSBAND?	discrete	numeric	
V1133	ms3	DOES (name) HAVE A CHILD?	discrete	numeric	
V1134	ms4	HOW MANY (name)'S CHILDREN UNDER AGE 16 YEARS ARE NOW LIVING WITH HIM/HER?	discrete	numeric	
V1135	he1	PLEASE TELL ME (name)'S HEALTH STATUS?	discrete	numeric	
V1136	he2	DOES (name) HAVE ANY DISABILITY?	discrete	numeric	
V1137	he3	DOES (name) HAVE CHRONIC ILLNESS?	discrete	numeric	
V1138	he4	Check person (name) have disability or chronic illness (HE2 and HE3)	discrete	numeric	

ID	Name	Label	Type	Format	Question
V1139	he5	DOES (name)'S ILLNESS INTERRUPT DAILY ACTIVITIES?	discrete	numeric	
V1140	ep1	DID (name) DO ANY PAID WORK IN ENTERPRISE OR FOR PEOPLE AT LEAST ONE HOUR DURING THE LAST 7 DAYS? (others and own property companies and organizations)	discrete	numeric	
V1141	ep2	DID (name) DO ANY UNPAID FAMILY WORK OR SELF-EMPLOYED AT LEAST ONE HOUR DURING THE LAST 7 DAYS?	discrete	numeric	
V1142	ep3	Please check whether (name) answer "YES" in any one of questions EP1, and EP2.	discrete	numeric	
V1143	ep4	EVEN THOUGH (name) DID NOT WORK IN THE LAST 7 DAYS, DOES (name) HAVE A JOB OR BUSINESS?	discrete	numeric	
V1144	ep5b	MAIN TYPE OF WORK, TRADE OR PROFESSION OF PRIMARY OCCUPATION /Code/	contin	numeric	
V1145	ep6b	WHAT IS NAME OF (NAME) MAIN ECONOMIC ACTIVITY OF PRIMARY OCCUPATION ? Code	contin	numeric	
V1146	ep7	WHAT IS (name) EMPLOYMENT STATUS IN THE PRIMARY OCCUPATION	discrete	numeric	
V1147	ep8	WHERE IS (name)'s WORK PLACE IN PRIMARY OCCUPATION	discrete	numeric	
V1148	ep9	HOW MANY AVERAGE MONTHLY SALARY OF THE MAIN FUNCTIONS OF (NAME) ?	contin	numeric	
V1149	ep10	HOW MANY WORK HOURS IN THE PRIMARY OCCUPATION IN THE LAST 7 DAYS DID (NAME) WORK?	contin	numeric	
V1150	ep11	DOES (name) WORK FULL TIME IN THIS PRIMARY OCCUPATION?	discrete	numeric	
V1151	ep12	WHETHER THIS WORK SHIFT WORK OR NONSHIFT WORK OF (NAME)?	discrete	numeric	
V1152	ep13	DID (NAME) WORK SECONDARY OCCUPATION IN THE LAST 7 DAYS	discrete	numeric	
V1153	ep14	DO YOU HAVE A REGULAR BASIS JOB BUT DID NOT WORK ON DOUBLE EMPLOYED IN THE LAST 7 DAYS?	discrete	numeric	
V1154	ep15b	WHAT IS MAIN ECONOMIC ACTIVITY OF (name)'S WORK IN SECONDARY OCCUPATION? Code	contin	numeric	
V1155	ep16b	WHAT IS AREAS OF THE MAIN WORKS (NAME)'S OF THE SECONDARY OCCUPATION ? Code	contin	numeric	
V1156	ep17	WHAT IS (NAME) EMPLOYMENT STATUS IN THE SECONDARY OCCUPATION?	discrete	numeric	
V1157	ep18	WHERE IS (NAME) WORK PLACE IN THE SECONDARY OCCUPATION?	discrete	numeric	
V1158	ep19	HOW MUCH IS (NAME) MONTHLY SALARY IN THIS SECONDARY OCCUPATION?	contin	numeric	
V1159	ep20	HOW MANY WORK HOURS DID (NAME) WORK IN THE SECONDARY OCCUPATION IN THE LAST 7 DAYS?	contin	numeric	
V1160	ep21	Check (name) is working age person from module HL6	discrete	numeric	
V1161	ep22	(name) AVAILABLE TO UNDERTAKE WORK DURING THE LAST 7 DAYS?	discrete	numeric	
V1162	ep23	DID (name) LOOK FOR WORK DURING THE LAST 30 DAYS?	discrete	numeric	
V1163	ep24	WHAT IS (name)'S REASON OF NOT LOOK FOR WORK DURING THE LAST 30 DAYS?	discrete	numeric	

Diary

Content
 Cases 2289744
 Variable(s) 34
 Structure Type:
 Keys: ()
 Version
 Producer
 Missing Data

Variables

ID	Name	Label	Type	Format	Question
V1164	geocode		contin	numeric	
V1165	code		contin	numeric	
V1166	hd02	HD2. Sampling unit's serial number	contin	numeric	
V1167	hd03	HD3. Number of Household	contin	numeric	
V1168	hd05	HD5. Number and name of the Interviewee	discrete	numeric	
V1169	hd06	HD6. Number and name of researcher	contin	numeric	
V1170	hd09	HD9. Day of keeping diary	discrete	numeric	
V1171	hd9a	HD9A. Times visited	discrete	numeric	
V1172	hd10a_m	HD10 First /month/	discrete	numeric	
V1173	hd10a_d	HD10 First /day/	discrete	numeric	
V1174	hd10a	HD10. Times visited in household, result 1	discrete	numeric	
V1175	hd10b_m	HD10 Second /month/	discrete	numeric	
V1176	hd10b_d	HD10 Second /day/	discrete	numeric	
V1177	hd10b	HD10. Times visited in household, result 2	discrete	numeric	
V1178	hd10c_m	HD10 Third /month/	discrete	numeric	
V1179	hd10c_d	HD10 Third /day/	discrete	numeric	
V1180	hd10c	HD10. Times visited in household, result 3	discrete	numeric	
V1181	id	ID	contin	numeric	
V1182	dayid	DAYID	discrete	numeric	
V1183	starthour	Started time	contin	numeric	
V1184	startminut	Started minute	contin	numeric	
V1185	endhour	completed time	contin	numeric	
V1186	endminut	completed minute	contin	numeric	
V1187	totalduration	TOTALDURATION	discrete	numeric	
V1188	activity_code	What did you do? /main activities/ code	contin	numeric	
V1189	dactivity_code	What did you do another activity? /Secondary activities/ code	contin	numeric	
V1190	id6_code	Where was you?/By what vehicle do you go?/ code	contin	numeric	
V1191	id8	Alone	discrete	numeric	

ID	Name	Label	Type	Format	Question
V1192	id9	Husband/wife	discrete	numeric	
V1193	id10	Parents	discrete	numeric	
V1194	id11	Member of HH up to age 12	discrete	numeric	
V1195	id12	other member of HH	discrete	numeric	
V1196	id13	With familiar one	discrete	numeric	
V1197	id14	Others	discrete	numeric	