MNG - HSES 2019

National Statistics Office - NSO

Report generated on: July 22, 2021

Visit our data catalog at:

Sampling

Sampling Procedure

The HSES is representative of the nation, region, urban/rural areas, residential location and amigas. It was enumerated in 320 soums and 9 districts of Mongolia. In total 11,232 households were randomly selected for the HSES 2019.The list of all households of Mongolia or the list of households registered in the population and households' database at NSO was used for HSES as a sampling frame.
For the HSES 2019, the sample size is 11,232 households, of which 936 households were surveyed each month.The sample size is distributed using proportional probability sampling techniques. Sampling distribution is made to be proportional to each domain, taking into account the number of households of aimags.
In the 2019 HSES, 99.7 percent of the selected hosueholds, or 11197 households have participated in the survey.

Deviations from Sample Design

The HSES's sampling strata or geographic domains of estimation were decided to the level of four residential location zones: Ulaanbaatar, Aimag center, Soum center, and Countryside.
Households were selected using two stages of probability sampling. In the first stage, Primary Sampling Unit (PSU) was selected, using probability proportional to estimated size, and then in the second stage, households are selected in the selected PSUs using simple random sampling.
In the HSES, Primary sampling units (PSUs) are kheseg in Ulaanbaatar, and bag in aimag, soum centers and countryside.
In Ulaanbaatar city:
-360 PSUs were selected out of total khesegs of UB city
-10 households were selected from each selected khesegs.
In aimag centers:
-12 PSUs were selected from each aimag center. Taking into account the number of households, 24 PSUs from Darkhan-Uul aimag and Orkhon aimag.
-10 households were selected from each PSUs.
In soum centers and countryside:
-24 bags were selected from each aimag as PSUs. For Khentii, Selenge, Bayankhongor, Zawkhan, Bayarn-Ulgii and Uvs aimags, 36 bags were selected. For Uvurkhangai, Tuv and Arkhangai aimags, 48 bags were selected. For Khuvsgul and Darkhan aimags, 60 and 12 bags were selected, respectively.
-8 households were selected from each PSUs.

Questionnaires

Overview

The 2019 HSES was conducted in the comprehensive form, consisting of two sub-questionnaires with 11 modules in total. These include:
·Household socio-economic questionnaire (HSES-1): The questionnaire HSES-1 aims to collect general information about the household characteristics, employment, livestock breeding and crop farming, non-agricultural manufacturing, trade, services, dwelling and energy, durable goods, and non-food expenditure data.
·Household food consumption questionnaire (HSES-2a, HSES-2b): A combination of both a household diary and a recall methods are used to measure food consumption in the HSES survey. A thirty day diary (HSES-2a) compiled by an enumerator every 10 days, for three times during a single month is used to capture food consumption of hosueholds in Ulaanbataar and Aimag centers. A 7 day recall period questionnaire (HSES-2b) is used to capture food consumption in Soum Centers and the countryside.

Data Collection

Data Collection Dates

Start	**End**	**Cycle**
2019-01-01	2020-01-01	Every month

Time Periods

Start	**End**	**Cycle**
2019-01-01		Every month

Data Collection Mode

Face-to-face [f2f]

DATA COLLECTION NOTES

For the data collection of this survey, we used a modern technology that fully automated paper technology is tablet technology. This approach has a number of strengths as collected data is transmitted to the central network just after gathering from the primary level, ensuring the quality and security of data, time, personnel and cost savings. For our previous procedure, field supervisor checked all collected data by enumerators and then data transmitted to a central server of the NSO. Upon receiving data in a central server, a survey team in NSO made logical and other checks for all data transmitted from the field offices and additional clarifications were received from the field offices through the field supervisors. In all cases, it was possible to compare
the listings used for consistency checks against actual questionnaires filled out by households (in fact, during the first round of checks, some households were visited again) and the data were revised whenever an error was found. Basically, three different rounds of consistency checks were applied to the data: first during the data collection by tablet, then during the compilation of the raw data files and finally during the preparation of this report. Before conducting the survey, we conducted a pilot study of using tablet PCs and conducted training for field supervisors and enumerators to conduct this survey, according to the common understanding, methodology and techniques, and provided preparations
of successfully conducting a survey. We consider that the data quality standards are provided.

Data Processing

Data Editing

The data collected using the CSPro 7.1 software and used the STATA 14.2 software to process and analyze survey results.

Data Appraisal

No content available

File Description

Variable List

01_hhold

Content	
Cases	11197
Variable(s)	56
Structure	Type: Keys: ()
Version	
Producer	
Missing Data	

Variables

ID	Name	Label	Type	Format	Question
V1032	identif	group(identif)	contin	numeric	
V1033	year	Year	discrete	numeric	
V1034	cover_hhsize	9 Nb of hh members	discrete	numeric	
V1035	hh_no	HH_NO	discrete	numeric	
V1036	h15	Household sample selection	discrete	numeric	
V1037	h16	Number of visit	discrete	numeric	
V1038	v1_dd	Visit 1 DD	contin	numeric	
V1039	v1_mm	Visit 1 MM	discrete	numeric	
V1040	v1_yy	Visit 1 YY	discrete	numeric	
V1041	v1_res	Visit 1 Result	discrete	numeric	
V1042	v2_dd	Visit 2 DD	contin	numeric	
V1043	v2_mm	Visit 2 MM	discrete	numeric	
V1044	v2_yy	Visit 2 YY	discrete	numeric	
V1045	v2_res	Visit 2 Result	discrete	numeric	
V1046	v3_dd	Visit 3 DD	contin	numeric	
V1047	v3_mm	Visit 3 MM	discrete	numeric	
V1048	v3_yy	Visit 3 YY	discrete	numeric	
V1049	v3_res	Visit 3 Result	discrete	numeric	
V1050	v4_dd	Visit 4 DD	contin	numeric	
V1051	v4_mm	Visit 4 MM	discrete	numeric	
V1052	v4_yy	Visit 4 YY	discrete	numeric	
V1053	v4_res	Visit 4 Result	discrete	numeric	
V1054	q0301	0301 Raised or Owned Herding,poultry or any animal?	discrete	numeric	
V1055	q0307	0307 Has produced animal products past 12m?	discrete	numeric	
V1056	q0315	0315 Agricultural land in past 12 m?	discrete	numeric	
V1057	q0316	0316 What is total amount owned the past 12M	contin	numeric	
V1058	q0317	0317 Has vegetables, fruits in pas 12M	discrete	numeric	

ID	Name	Label	Type	Format	Question
V1059	q0318	0318 What is total amount agricultural land HH members past	contin	numeric	
V1060	q0401	0401. Are there household enterprises?	discrete	numeric	
V1061	q0402	0402. How many enterprises?	discrete	numeric	
V1062	q0601	0601. do you have a savings account in a bank?	discrete	numeric	
V1063	q0602	0602. have you put in your savings account in the past 12 months	contin	numeric	
V1064	q0603	0603. Did you take out a loan from a bank, a changer or a private person anytime	discrete	numeric	
V1065	q0604	0604. How many loans in total did in the past 12 months?	discrete	numeric	
V1066	q0701	0701. Type of Dwellings	discrete	numeric	
V1067	q0702	0702. Number of rooms in the dwelling	discrete	numeric	
V1068	q0703	0703. Total useful area	contin	numeric	
V1069	q0704	0704. What is the total area occupies	contin	numeric	
V1070	q0705	0705. Number of walls in the ger	discrete	numeric	
V1071	q0706	0706. Did you rent?	discrete	numeric	
V1072	q0707	0707. How much do you pay for rent	contin	numeric	
V1073	q0708	0708. If you wanted to rent, how much	discrete	numeric	
V1074	q0709	0709. Water supply	discrete	numeric	
V1075	q0710	0710. How long water to get	discrete	numeric	
V1076	q0711	0711. How much water use in a day	contin	numeric	
V1077	q0712	0712. What type of toilet do you have	discrete	numeric	
V1078	q0713	0713. How to dispose waste water	discrete	numeric	
V1079	q0714	0714. Has a telephone	discrete	numeric	
V1080	q0715	0715. Use internet normally?	discrete	numeric	
V1081	q0716	0716. How many household member	discrete	numeric	
V1082	q0717a	0717a. Where used internet, at home	discrete	numeric	
V1083	q0717b	0717b. Where used internet, at work	discrete	numeric	
V1084	q0717c	0717c Where used internet, internet cafÃ©	discrete	numeric	
V1085	q0717d	0717d. Where used internet, other	discrete	numeric	
V1086	visitor	Number of visitors Cover Form 2	contin	numeric	
V1087	ndays	Number of days Cover Form 2	contin	numeric	

02_indiv

Content	
Cases	41117
Variable(s)	28
Structure	Type: Keys: ()
Version	
Producer	
Missing Data	

Variables

ID	Name	Label	Type	Format	Question
V1088	identif	group(identif)	contin	numeric	
V1089	ind_id	Indivdual ID	discrete	numeric	
V1090	q0102	102. Relationship to head	discrete	numeric	
V1091	q0103	103. Sex	discrete	numeric	
V1092	q0104y	104y. Year of birth	contin	numeric	
V1093	q0105y	105. Age Years	contin	numeric	
V1094	q0105m	105. Age Months	discrete	numeric	
V1095	q0106	106. Marital Status	discrete	numeric	
V1096	q0107	107. Spouse ID CODE	discrete	numeric	
V1097	q0108a	108 A. Days away past month	contin	numeric	
V1098	q0108b	108 B. Months away	discrete	numeric	
V1099	q0109	109. Is HH member?	discrete	numeric	
V1100	q0201	201. Is 10 years or more?	discrete	numeric	
V1101	q0202	202. Is answering personally?	discrete	numeric	
V1102	q0203	203. Respondent ID CODE	discrete	numeric	
V1103	q0204	204. Did you any job for the past 12 month?	discrete	numeric	
V1104	q0205	205. What kind of work was the main job you did?	discrete	numeric	
V1105	q0206	206. What is your main job? CODE	contin	numeric	
V1106	q0207	207. Economic branch? CODE	contin	numeric	
V1107	q0208	208. Type of your organisation	discrete	numeric	
V1108	q0209	209. Do your receive any salary in cash and/or in kind	discrete	numeric	
V1109	q0210a	210a. Salary amount - past month	contin	numeric	
V1110	q0210b	210b. Salary amount - past 12 months	contin	numeric	
V1111	q0210c	210c. Bonuses and special allowances	contin	numeric	
V1112	q0211	211. Do your receive any salary in cash and/or in kind from double work?	discrete	numeric	
V1113	q0212a	212a. Salary amount - past month-from double work	contin	numeric	
V1114	q0212b	212b. Salary amount - past 12 months-from double work	contin	numeric	

ID	Name	Label	Type	Format	Question
V1115	q0212c	212c. Bonuses and special allowances-from double work	contin	numeric	

ID	Name	Label	Type	Format	Question
V1115	q0212c	212c. Bonuses and special allowances-from double work	contin	numeric	

03_livestock

Content	
Cases	26670
Variable(s)	8
Structure	Type: Keys: ()
Version	
Producer	
Missing Data	

Variables

ID	Name	Label	Type	Format	Question
V1116	identif	group(identif)	contin	numeric	
V1117	ani_id	Animal ID	discrete	numeric	
V1118	q0302a	302a. TOTAL	contin	numeric	
V1119	q0302b	302b. Number of female	contin	numeric	
V1120	q0302c	302c. Number of young	contin	numeric	
V1121	q0303	303. Use for own food	contin	numeric	
V1122	q0304	304. Number of sold	contin	numeric	
V1123	q0305	305. Amount received	contin	numeric	

04_livestock_exp

Content	
Cases	30480
Variable(s)	3
Structure	Type: Keys: ()
Version	
Producer	
Missing Data	

Variables

ID	Name	Label	Type	Format	Question
V1124	identif	group(identif)	contin	numeric	
V1125	exp_id	Exp number	discrete	numeric	
V1126	q0306	306: Expenditures on this [herding activity] in the last 12 months	contin	numeric	

05_by_product

Content	
Cases	59109
Variable(s)	9
Structure	Type: Keys: ()
Version	
Producer	
Missing Data	

Variables

ID	Name	Label	Type	Format	Question
V1127	identif	group(identif)	contin	numeric	
V1128	byprod_id	By-product id	discrete	numeric	
V1129	q0308	308. Number of animal	contin	numeric	
V1130	q0309	309. Total Production	contin	numeric	
V1131	q0310	310. Quantity consumed by household	contin	numeric	
V1132	q0311	311. Quantity sold	contin	numeric	
V1133	q0312	312. Total amount received from sales	contin	numeric	
V1134	q0313	313. Quantity produced and sold	contin	numeric	
V1135	q0314	314. Total amount received from produced and sold	contin	numeric	

06_crop

Content	
Cases	6474
Variable(s)	8
Structure	Type: Keys: ()
Version	
Producer	
Missing Data	

Variables

ID	Name	Label	Type	Format	Question
V1136	identif	group(identif)	contin	numeric	
V1137	crop_id	Crop ID	discrete	numeric	
V1138	q0319	319. Did harvest during past 12 M?	discrete	numeric	
V1139	q0320	320. Total harvest in past 12 M in KG	contin	numeric	
V1140	q0321	321. Quantity consumed by your HH	contin	numeric	
V1141	q0322	322. Quantity used for animal feed	contin	numeric	
V1142	q0323a	323a. Quantity sold (KG)	contin	numeric	
V1143	q0323b	323b. Total amount sold (Tugrugs)	contin	numeric	

07_agric_exp

Content	
Cases	6474
Variable(s)	3
Structure	Type: Keys: ()
Version	
Producer	
Missing Data	

Variables

ID	Name	Label	Type	Format	Question
V1144	identif	group(identif)	contin	numeric	
V1145	exp_id	Expenditure Item	discrete	numeric	
V1146	q0324	324: Total expenditures on item during past 12 mths	contin	numeric	

08_enterprise

	Content	
Cases	1405	
Variable(s)	26	
Structure	Type: Keys: ()	
Version		
Producer		
Missing Data		

Variables

ID	Name	Label	Type	Format	Question
V1147	identif	group(identif)	contin	numeric	
V1148	en	Enterprise Number (1-2-3)	discrete	numeric	
V1149	q0403	0403. Activity Code	contin	numeric	
V1150	q0404	0404. What % of this enterprise is owned by members	contin	numeric	
V1151	q0405	0405. How many members work in this enterprise	discrete	numeric	
V1152	q0406	0406. How many not members work in this enterprise past mont	discrete	numeric	
V1153	q0407_01	0407_01: Wage of labor	contin	numeric	
V1154	q0407_02	0407_02: Expenditures in: Goods for resale	contin	numeric	
V1155	q0407_03	0407_03: Expenditures in: Raw materials	contin	numeric	
V1156	q0407_04	0407_04: Expenditures in: Gasoline, fuel	contin	numeric	
V1157	q0407_05	0407_05: Expenditures in: water, steam	contin	numeric	
V1158	q0407_06	0407_06: Expenditures in: Equipment	contin	numeric	
V1159	q0407_07	0407_07: Expenditures in: Rental of facilities	contin	numeric	
V1160	q0407_08	0407_08: Expenditures in: Spare parts	contin	numeric	
V1161	q0407_09	0407_09: Expenditures in: Repair and maintenance	contin	numeric	
V1162	q0407_10	0407_10: Expenditures in: Tax, fees, patent, license, insura	contin	numeric	
V1163	q0407_11	0407_11: Expenditures in: Other expenses(labor, water, steam	contin	numeric	
V1164	q0407_99	0407_99: TOTAL EXPENSES	contin	numeric	
V1165	q0408	0408: Months in operation?	discrete	numeric	
V1166	q0409_1a	0409-1. Amount received in a average month (per mth)	contin	numeric	
V1167	q0409_1b	0409-1. Number of average months	discrete	numeric	
V1168	q0409_2a	0409-2. Amount received in a bad month (per mth)	contin	numeric	
V1169	q0409_2b	0409-2. Number of bad months	discrete	numeric	
V1170	q0409_3a	0409-3. Amount received in a good month (per mth)	contin	numeric	
V1171	q0409_3b	0409-3. Number of good months	discrete	numeric	
V1172	q0410	0410. Total Amount	contin	numeric	

09_other_income

	Content	
	Cases	268728
	Variable(s)	13
	Structure	Type: Keys: ()
	Version	
	Producer	
	Missing Data	

Variables

ID	Name	Label	Type	Format	Question
V1173	identif	group(identif)	contin	numeric	
V1174	income_id	Source Number	discrete	numeric	
V1175	q0501	501: Has anybody received ...	discrete	numeric	
V1176	q0502a	502a. ID CODE 1	discrete	numeric	
V1177	q0502b	502b. Amount during the past 12 mths (1)	contin	numeric	
V1178	q0503a	503a. ID CODE 2	discrete	numeric	
V1179	q0503b	503b. Amount during the past 12 mths (2)	contin	numeric	
V1180	q0504a	504a. ID CODE 3	discrete	numeric	
V1181	q0504b	504b. Amount during the past 12 mths (3)	contin	numeric	
V1182	q0505a	505a. ID CODE 4	discrete	numeric	
V1183	q0505b	505b. Amount during the past 12 mths (4)	contin	numeric	
V1184	q0506a	506a. ID CODE 5	contin	numeric	
V1185	q0506b	506b. Amount during the past 12 mths (5)	contin	numeric	

10_savings_loan

Content	
Cases	8284
Variable(s)	7
Structure	Type: Keys: ()
Version	
Producer	
Missing Data	

Variables

ID	Name	Label	Type	Format	Question
V1186	identif	group(identif)	contin	numeric	
V1187	loan_id	Loan ID	discrete	numeric	
V1188	q0605	605. Kind of loans?	discrete	numeric	
V1189	q0606	606. Did you get this loan in the past 12 months?	discrete	numeric	
V1190	q0607	607. Total loan of past 12 months	contin	numeric	
V1191	q0608	608. How much money do you repaid for this loan in the past 1 month?	contin	numeric	
V1192	q0609	609. How much money do you repaid for this loan in the past 12 month?	contin	numeric	

11_energy

Content	
Cases	100773
Variable(s)	10
Structure	Type: Keys: ()
Version	
Producer	
Missing Data	

Variables

ID	Name	Label	Type	Format	Question
V1193	identif	group(identif)	contin	numeric	
V1194	energy_id	Source Number	discrete	numeric	
V1195	q0718	718. Have used the source?	discrete	numeric	
V1196	q0719	719. How do you mainly obtain [FUEL]?	discrete	numeric	
V1197	q0720a	720a. How much have you purchased/prepared for the past 12 motnths?	contin	numeric	
V1198	q0720b	720b. How much have you consumed for the past 12 motnths?	contin	numeric	
V1199	q0721	721. Amount spend on purchases of ... in past month	contin	numeric	
V1200	q0722	722. Amount spend on purchases of ... in past 12 months	contin	numeric	
V1201	q0723	723. Value of ... received free in past 12 months	contin	numeric	
V1202	q0724	724. Value of ... received free from NGO in past 12 months	contin	numeric	

12_payment_serv

Content		
Cases	145561	
Variable(s)	7	
Structure	Type: Keys: ()	
Version		
Producer		
Missing Data		

Variables

ID	Name	Label	Type	Format	Question
V1203	identif	group(identif)	contin	numeric	
V1204	item	Service ID	discrete	numeric	
V1205	q0725	725. Have bought or received free.. during past 12 m?	discrete	numeric	
V1206	q0726	726. Amount spend on purchases of .. during past month	contin	numeric	
V1207	q0727	727. Amount spend on purchases of .. during past 12 months	contin	numeric	
V1208	q0728	728. Value of .. received free during past 12 months	contin	numeric	
V1209	q0729	729. Value of .. received free from NGO during past 12 months	contin	numeric	

13_durable

Content	
Cases	89576
Variable(s)	3
Structure	Type: Keys: ()
Version	
Producer	
Missing Data	

Variables

ID	Name	Label	Type	Format	Question
V1210	identif	group(identif)	contin	numeric	
V1211	durable_id	Durable name, code	discrete	numeric	
V1212	q0730	730. Do you have a durable good	discrete	numeric	

14_non_food

Content	
Cases	4053314
Variable(s)	7
Structure	Type: Keys: ()
Version	
Producer	
Missing Data	

Variables

ID	Name	Label	Type	Format	Question
V1213	identif	group(identif)	contin	numeric	
V1214	item	Non-food Item code	discrete	numeric	
V1215	q0801	801. Have you bought or received for the last 12 Ms	discrete	numeric	
V1216	q0802	802. Purchased during the past month	contin	numeric	
V1217	q0803	803. Purchased during the past 12 months	contin	numeric	
V1218	q0804	804. Received free from others during the past 12 months	contin	numeric	
V1219	q0805	805. Received free from NGO during the past 12 months	contin	numeric	

15_urb_diary

Content	
Cases	806650
Variable(s)	15
Structure	Type: Keys: ()
Version	
Producer	
Missing Data	

Variables

ID	Name	Label	Type	Format	Question
V1220	identif	group(identif)	contin	numeric	
V1221	item	Food Item code	discrete	numeric	
V1222	q0901_1	901_1 First 10 - Total consumed	contin	numeric	
V1223	q0901_2	901_2 First 10 - Purchased	contin	numeric	
V1224	q0901_3	901_3 First 10 - Reseived free	contin	numeric	
V1225	q0901_4	901_4 First 10 - Own production	contin	numeric	
V1226	q0902_1	902_1 Second 10 - Total consumed	contin	numeric	
V1227	q0902_2	902_2 Second 10 - Purchased	contin	numeric	
V1228	q0902_3	902_3 Second 10 - Reseived free	contin	numeric	
V1229	q0902_4	902_4 Second 10 - Own production	contin	numeric	
V1230	q0903_1	903_1 Third 10 - Total consumed	contin	numeric	
V1231	q0903_2	903_2 Third 10 - Purchased	contin	numeric	
V1232	q0903_3	903_3 Third 10 - Reseived free	contin	numeric	
V1233	q0903_4	903_4 Third 10 - Own production	contin	numeric	
V1234	q0904	904 Average unit price	contin	numeric	

16_rur_food_7d

Content	
Cases	648960
Variable(s)	9
Structure	Type: Keys: ()
Version	
Producer	
Missing Data	

Variables

ID	Name	Label	Type	Format	Question
V1235	identif	group(identif)	contin	numeric	
V1236	row10	ÐœÐ´	contin	numeric	
V1237	item	Food Item code	discrete	numeric	
V1238	q1001	1001. Have you consumed food during the 7 days	discrete	numeric	
V1239	q1002	1002. Total consumed in the past 7 days	contin	numeric	
V1240	q1003	1003. Consumed from purchases	contin	numeric	
V1241	q1004	1004. Unit price	contin	numeric	
V1242	q1005	1005. Consumed from Received free	contin	numeric	
V1243	q1006	1006. Consumed from Produced	contin	numeric	

18_foodout

Content	
Cases	22394
Variable(s)	5
Structure	Type: Keys: ()
Version	
Producer	
Missing Data	

Variables

ID	Name	Label	Type	Format	Question
V1244	identif	group(identif)	contin	numeric	
V1245	item	Service Number	discrete	numeric	
V1246	q1007	Foodout Expenditure in the past 7 days	discrete	numeric	
V1247	q1008	Foodout total cost in tugrugs.	contin	numeric	
V1248	q1009	Foodout free from others.	contin	numeric	

basicvars

Content	
Cases	11197
Variable(s)	11
Structure	Type: Keys: ()
Version	
Producer	
Missing Data	

Variables

ID	Name	Label	Type	Format	Question
V1249	identif	group(identif)	contin	numeric	
V1250	cluster	Cluster	contin	numeric	
V1251	newaimag	Aimag	discrete	numeric	
V1252	location	Location	discrete	numeric	
V1253	urban	Urban/rural	discrete	numeric	
V1254	region	Region	discrete	numeric	
V1255	quarter	Quarter	discrete	numeric	
V1256	strata	Strata 3	discrete	numeric	
V1257	hhweight	Last weight	contin	numeric	
V1258	hhsize	Household size	discrete	numeric	
V1259	aimagsoum	Combinations of aimags and soums	contin	numeric	