DTM
MONGOLIA : COVID-19 PREPAREDNESS
FLOW MONITORING AT MAJOR CHECKPOINTS OF ULAANBAATAR
(Data collected: 08:00 hrs Feb 27th - 24:00 hrs May 22nd, 2020)

SITREP # 85
23-May-2020
12:00 (GMT+8)

The Mongolian Government has taken early and very active measures to prevent and stop an eventual spread of the COVID-19. Besides closing all the educational institutions starting with January 27th and imposing international travel restrictions that are expanding along with the growing number of countries affected by COVID-19 globally, on 13 February 2020 the government also declared state of high alert. To prevent a possible spread of COVID during the Mongolian Lunar New Year (February 24-26, 2020), the Emergency Commission restricted all travel between aimags (provinces), as well as incoming and outgoing flows in the capital city. Ulaanbaatar is by far the biggest urban settlement in Mongolia concentrating almost half of the country's population. It is a major destination, transition point and origin for population movements and as such may represent a powerful source for spreading COVID-19 to the entire country. To increase its preparedness and also an eventual response to COVID-19, the Governor's Office of the Capital City has requested the assistance of International Organization for Migration, Mission to Mongolia (IOM) to take evidence of all the incoming and outgoing flows of people by implementing its Displacement Tracking Matrix (DTM) methodology. Based on a joint agreement to implement DTM between IOM and the Governor's Office of the Capital City, a total of over 400 health and education system personnel have been trained as data enumerators and technical assistance was provided to set up the overall data collection and analysis framework. The pilot phase of the DTM flow monitoring in Ulaanbaatar was started on February 27th, 08:00 hrs while the roads were still closed for general free movement. The active implementation phase commenced when roads were opened for free circulation at 06:00 hrs on March 3rd and is scheduled to last until June 1st, 2020. Enumerators placed at 6 major checkpoints around the city (***Emeelt, Baruunturuun, Gunt, Ulziit, Morin and Nalaikh***) are collecting non-personal data on type of vehicle, passengers' profile, place as well as length of stay at origin and destination on a 24/7 time-schedule. Although it is the first time it is used in a capital city, since 2004 DTM has been implemented in over 80 countries and over 40 million individuals have been tracked globally in 2018 alone. Most recently DTM was used to track population movements in regions affected by Ebola. In Mongolia National Emergency Management Agency (NEMA) and IOM used DTM since 2018 to track the mobility of people in all administrative subdivision outside Ulaanbaatar improving preparedness for natural disasters, especially dzud.

NUMBERS AT A GLANCE

3,170,153
cumulative movements tracked by DTM flow monitoring points (FMP)

31,515
Movements tracked in the past 24 hrs

13,110 (R)
41,853 (N)
Average movement per day during restricted (R) and unrestricted (N) periods

DEMOGRAPHICS
XX% - Overall
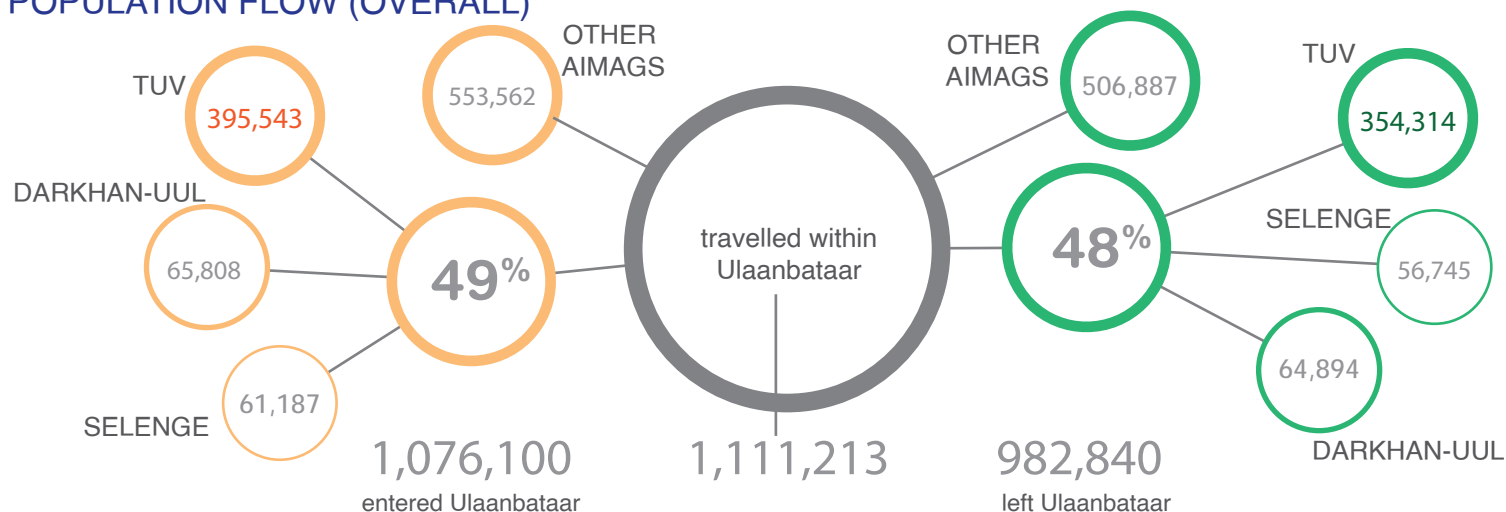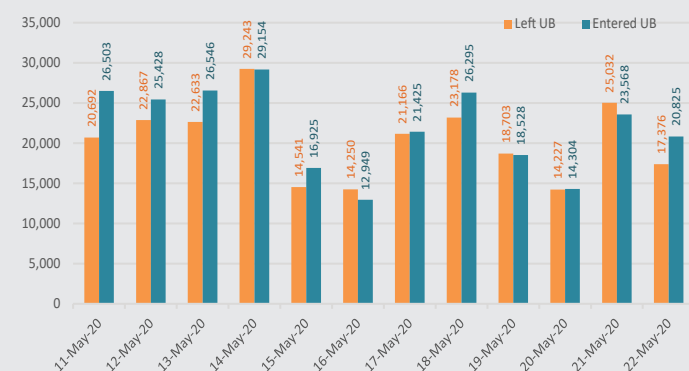XX% - Past 24 hrs

MEN 52% / 51%
WOMEN 31% / 34%
BOYS 9% / 9%
GIRLS 7% / 7%

POPULATION FLOW (OVERALL)

TUV 395,543
OTHER AIMAGS 553,562
DARKHAN-UUL 65,808
SELENGE 61,187

49%

travelled within Ulaanbataar
1,111,213

48%

OTHER AIMAGS 506,887
TUV 354,314
SELENGE 56,745
DARKHAN-UUL 64,894

1,076,100
entered Ulaanbataar

982,840
left Ulaanbataar

MOVEMENT TRENDS

Legend: Left UB, Entered UB

Date	Left UB	Entered UB
11-May-20	20,692	26,503
12-May-20	22,867	25,428
13-May-20	22,633	26,546
14-May-20	29,243	29,154
15-May-20	14,541	16,925
16-May-20	14,250	12,949
17-May-20	21,166	21,425
18-May-20	23,178	26,295
19-May-20	18,703	18,528
20-May-20	14,227	14,304
21-May-20	25,032	23,568
22-May-20	17,376	20,825

MOVEMENT THROUGH CHECKPOINTS

Checkpoint	OVERALL			22-May-20		
	TOTAL	IN	OUT	TOTAL	IN	OUT
Baruunturuun	402,017	191,320	210,697	0	0	0
Ulziit	449,557	238,223	211,334	4,756	2,222	2,534
Nalaikh	935,759	467,281	468,478	9,917	4,730	5,187
Morin	763,607	381,757	381,850	1,700	851	849
Emeelt	1,126,932	604,700	522,232	13,659	8,924	4,735
Gunt	564,233	282,761	281,472	8,169	4,098	4,071
Total	4,242,105	2,166,042	2,076,063	38,201	20,825	17,376

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MOVEMENT IN TO ULAANBATAAR
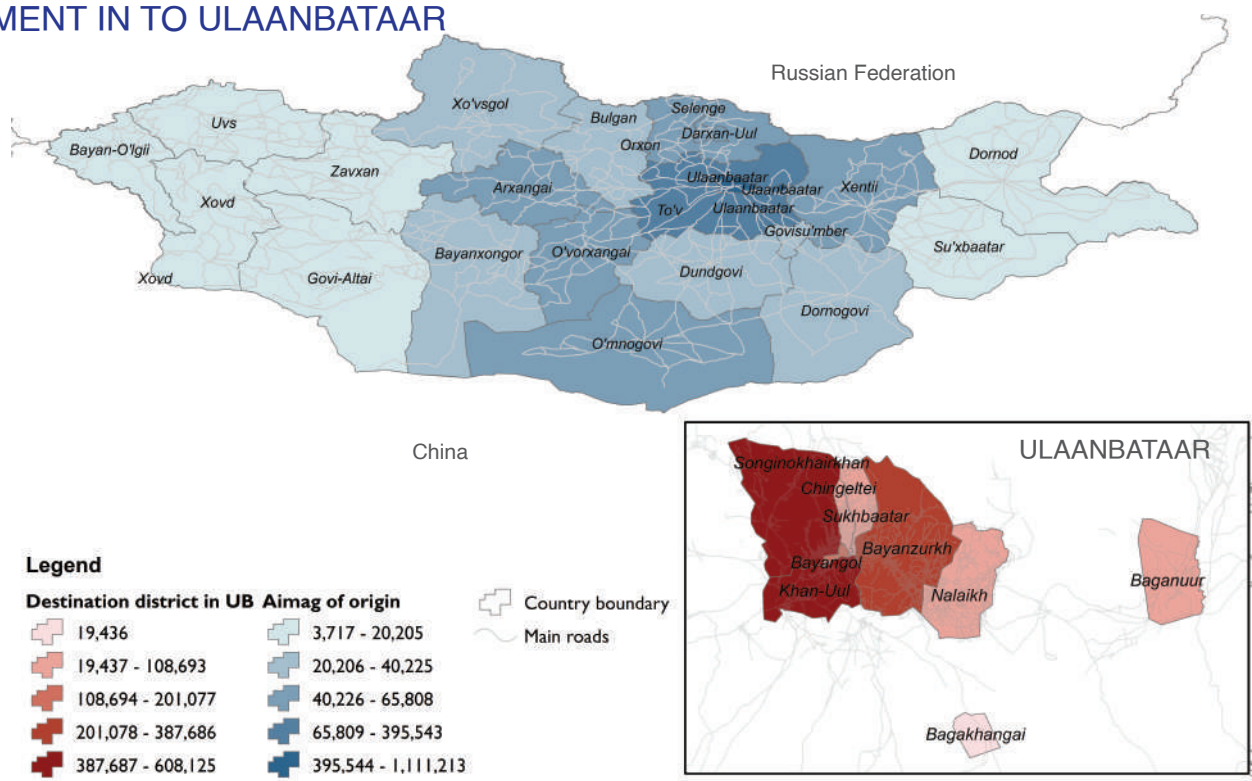
Russian Federation

China

ULAANBATAAR

Legend

Destination district in UB
- 19,436
- 19,437 - 108,693
- 108,694 - 201,077
- 201,078 - 387,686
- 387,687 - 608,125

Aimag of origin
- 3,717 - 20,205
- 20,206 - 40,225
- 40,226 - 65,808
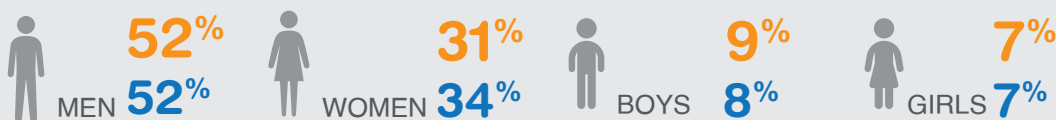- 65,809 - 395,543
- 395,544 - 1,111,213

◇ Country boundary
— Main roads

The boundaries and names shown and the designation used on this map do not imply official endorsement or acceptance

DEMOGRAPHICS
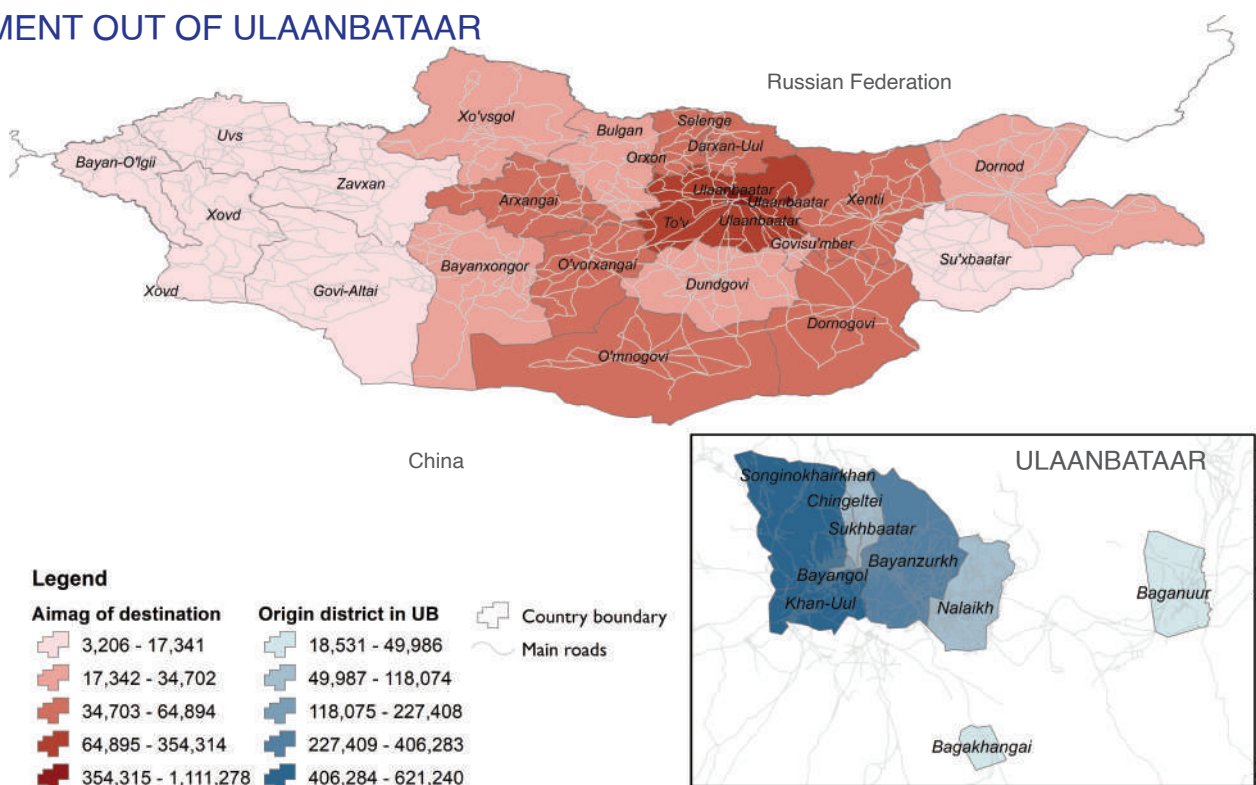XX% - Overall
XX%- Past 24 hrs

MEN	WOMEN	BOYS	GIRLS
52% / 52%	31% / 34%	9% / 8%	7% / 7%

of destination	?	Bagakhangai	Baganuur	Bayangol	Bayanzurkh	Chingeltei	Khan-Uul	Nalaikh	Songinokhairkhan	Sukhbaatar	TOTAL
Ulaanbaatar	6,493	17,448	46,060	65,146	130,777	53,242	365,078	63,975	318,978	44,016	1,111,213
Arkhangai	245	34	82	8,926	11,214	3,831	5,659	248	19,754	3,053	53,046
Bayankhongor	144	25	74	3,405	5,209	1,652	2,733	202	10,481	1,739	25,664
Bayan-Ulgii	23	5	1	456	815	167	178	51	1,739	282	3,717
Bulgan	252	27	83	7,011	9,433	2,914	5,026	128	12,894	2,457	40,225
Darkhan-Uul	331	61	180	9,908	12,019	3,250	7,171	407	28,419	4,062	65,808
Dornod	141	37	21	2,020	10,414	1,287	2,262	159	2,126	1,738	20,205
Dornogobi	408	69	146	6,858	15,289	2,024	4,767	652	4,601	3,017	37,831
Dundgobi	255	22	118	5,153	12,836	2,076	6,663	239	6,587	2,651	36,600
Gobi-Altai	51	30	39	1,252	2,328	616	1,107	51	4,996	635	11,105
Gobisumber	333	32	172	3,873	13,947	1,108	2,689	571	2,438	1,815	26,978
Khentii	316	56	49	4,614	29,041	2,656	4,364	600	4,482	3,553	49,731
Khovd	18	2	12	1,159	2,016	468	1,122	58	5,581	410	10,846
Khuvsgul	141	35	117	4,284	6,265	1,886	3,056	172	11,160	1,896	29,012
Orkhon	246	7	142	9,379	10,301	2,317	6,598	269	15,129	3,031	47,419
Selenge	228	46	240	14,266	14,017	4,316	7,193	450	16,102	4,329	61,187
Sukhbaatar	109	44	52	1,541	9,599	934	1,471	221	1,455	1,304	16,730
Tuv	2,306	355	1,506	58,211	85,384	26,584	68,897	13,225	110,881	28,194	395,543
Umnugobi	236	11	191	6,563	12,330	2,262	12,348	299	10,308	2,964	47,512
Uvurkhangai	298	65	146	8,530	12,447	3,427	7,889	309	24,500	3,456	61,067
Zavkhan	83	50	29	2,687	4,623	1,018	1,963	90	6,280	1,249	18,072
Uvs	38	11	21	1,372	2,590	599	1,204	110	5,453	541	11,939
?	98	30	480	657	1,546	217	848	418	1,196	373	5,863
TOTAL	12,793	18,502	49,961	227,271	414,440	118,851	520,286	82,904	625,540	116,765	2,187,313

DTM

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MOVEMENT OUT OF ULAANBATAAR

Russian Federation

China

ULAANBATAAR

Legend

Aimag of destination
- 3,206 - 17,341
- 17,342 - 34,702
- 34,703 - 64,894
- 64,895 - 354,314
- 354,315 - 1,111,278

Origin district in UB
- 18,531 - 49,986
- 49,987 - 118,074
- 118,075 - 227,408
- 227,409 - 406,283
- 406,284 - 621,240

Country boundary
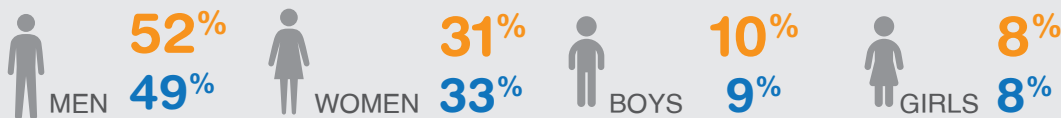Main roads

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DEMOGRAPHICS
XX% - **Overall**
XX% - **Past 24 hrs**

MEN	52% / 49%	
WOMEN	31% / 33%	
BOYS	10% / 9%	
GIRLS	8% / 8%	

UB District of origin / Aimag of destination	?	Bagakhangai	Bayanzurkh	Baganuur	Bayangol	Chingeltei	Khan-Uul	Nalaikh	Songinokhairkhan	Sukhbaatar	TOTAL
Arkhangai	417	48	9,060	93	6,540	2,980	4,499	237	16,609	2,838	43,321
Bayankhongor	117	27	3,975	93	2,977	1,305	2,447	129	9,575	1,515	22,160
Bayan-Ulgii	4	-	782	-	509	166	188	29	1,339	189	3,206
Bulgan	315	3	7,410	64	5,633	2,349	4,087	83	11,387	2,097	33,428
Darkhan-Uul	239	39	10,370	170	8,565	3,159	6,298	464	31,452	4,138	64,894
Dornod	166	33	11,886	56	2,060	1,244	2,236	374	1,904	1,605	21,564
Dornogobi	419	33	17,209	279	7,045	2,423	5,436	550	4,600	2,788	40,782
Dundgobi	155	23	12,094	146	4,397	1,842	6,431	200	6,685	2,729	34,702
Gobi-Altai	31	13	1,796	66	1,023	513	1,000	89	4,900	575	10,006
Gobisumber	249	30	13,236	158	3,351	1,109	2,556	498	2,357	1,478	25,022
Khentii	341	67	29,250	81	4,442	2,434	4,087	829	3,845	3,464	48,840
Khovd	31	3	1,729	15	993	337	887	74	4,396	436	8,901
Khuvsgul	106	11	4,800	43	3,136	1,389	2,541	105	9,923	1,539	23,593
Orkhon	209	13	8,346	169	7,925	2,198	5,806	226	15,410	2,599	42,901
Selenge	183	36	12,004	251	12,828	3,894	6,393	518	16,691	3,947	56,745
Sukhbaatar	148	27	10,227	76	1,391	843	1,488	218	1,421	1,502	17,341
Tuv	1,948	254	79,185	1,560	50,343	23,911	61,510	11,765	98,428	25,410	354,314
Umnugobi	125	37	12,844	211	6,555	2,774	12,381	331	10,674	3,684	49,616
Uvs	65	8	1,971	27	1,192	503	1,051	73	4,113	603	9,606
Uvurkhangai	287	53	9,232	150	7,149	2,662	6,297	183	20,569	2,878	49,460
Zavkhan	70	17	3,617	29	2,191	899	1,658	112	6,287	874	15,754
?	359	33	1,450	107	642	305	1,244	584	1,520	440	6,684
TOTAL	**5,984**	**808**	**262,473**	**3,844**	**140,887**	**59,239**	**140,521**	**17,671**	**284,085**	**67,328**	**982,840**

International Organization for Migration (IOM)
The UN Migration Agency

НИЙСЛЭЛИЙН ЗАСАГ ДАРГЫН ТАМГЫН ГАЗАР

Schweizerische Eidgenossenschaft
Confédération suisse
Confederazione Svizzera
Confederaziun svizra

Swiss Agency for Development and Cooperation SDC
Швейцарын хөгжлийн агентлаг