DTM

MONGOLIA : COVID-19 PREPAREDNESS
FLOW MONITORING AT MAJOR CHECKPOINTS OF ULAANBAATAR
(Data collected: 08:00 hrs Feb 27th - 24:00 hrs April 10th, 2020)

SITREP # 43
11-Apr-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 May 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

1,571,736
cumulative movements tracked by DTM flow monitoring points (FMP)

33,419 ▼
Movements tracked in the past 24 hrs

10,196 (R)
42,771 (N)
Average movement per day during restricted (R) and unrestricted (N) periods

DEMOGRAPHICS

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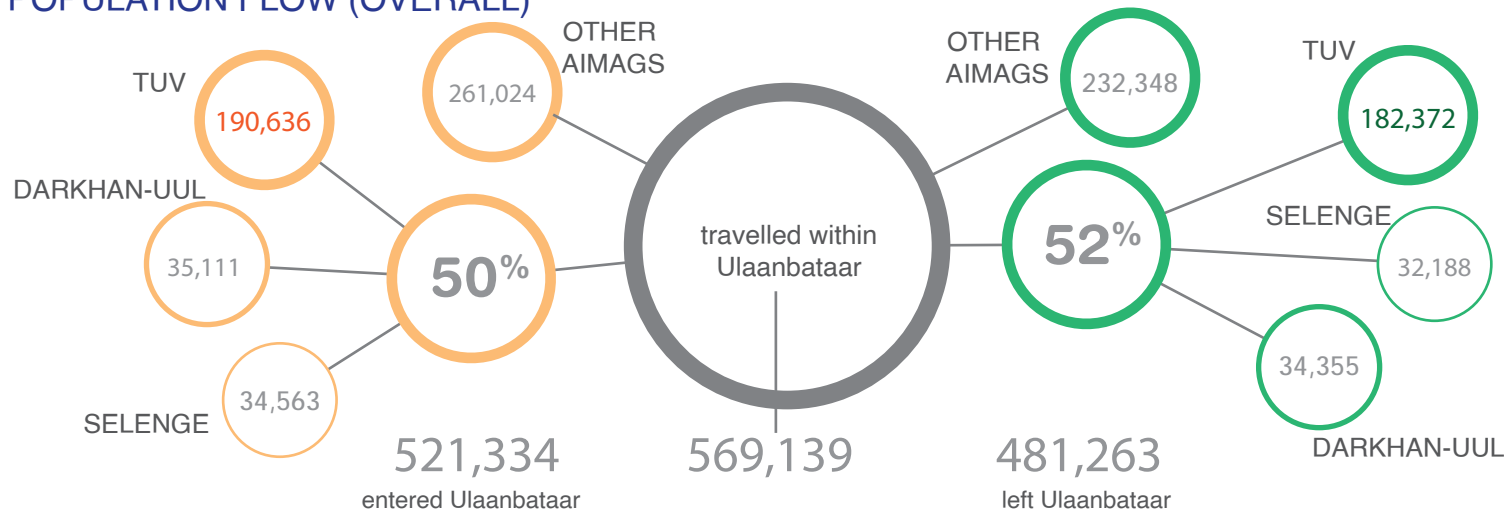XX% - **Past 24 hrs**

51% / **51%** MEN
31% / **31%** WOMEN
10% / **10%** BOYS
8% / **8%** GIRLS

POPULATION FLOW (OVERALL)

TUV **190,636**
OTHER AIMAGS 261,024
DARKHAN-UUL 35,111
SELENGE 34,563

50%

travelled within Ulaanbaatar

52%

OTHER AIMAGS 232,348
TUV **182,372**
SELENGE 32,188
DARKHAN-UUL 34,355

521,334 entered Ulaanbataar
569,139
481,263 left Ulaanbataar

MOVEMENT TRENDS

Legend: ■ Left UB ■ Entered UB

Date	Left UB	Entered UB
24-Mar-20	24,635	28,625
25-Mar-20	23,844	24,871
26-Mar-20	30,182	29,001
27-Mar-20	26,169	22,376
28-Mar-20	34,548	36,057
29-Mar-20	30,102	34,844
30-Mar-20	24,205	24,875
31-Mar-20	20,872	21,631
1-Apr-20	21,686	19,785
2-Apr-20	23,143	23,319
3-Apr-20	33,756	30,514
4-Apr-20	51,577	45,916
5-Apr-20	38,735	40,457
6-Apr-20	25,333	31,290
7-Apr-20	27,195	28,065
8-Apr-20	22,480	20,638
9-Apr-20	23,845	24,012
10-Apr-20	19,524	21,354

MOVEMENT THROUGH CHECKPOINTS
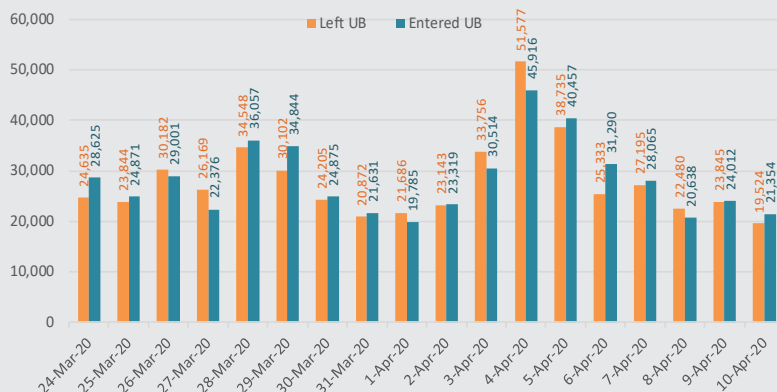
Checkpoint	OVERALL			10-Apr-20		
	TOTAL	IN	OUT	TOTAL	IN	OUT
Baruunturuun	332,712	159,773	172,939	4,267	1,790	2,477
Ulziit	238,622	122,507	116,115	7,159	5,286	1,873
Nalaikh	484,597	243,065	241,532	7,281	4,224	3,057
Morin	309,172	154,770	154,402	356	178	178
Emeelt	535,957	290,278	245,679	12,413	5,410	7,003
Gunt	239,452	119,932	119,520	9,402	4,466	4,936
Total	2,140,512	1,090,325	1,050,187	40,878	21,354	19,524

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

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MOVEMENT IN TO ULAANBATAAR
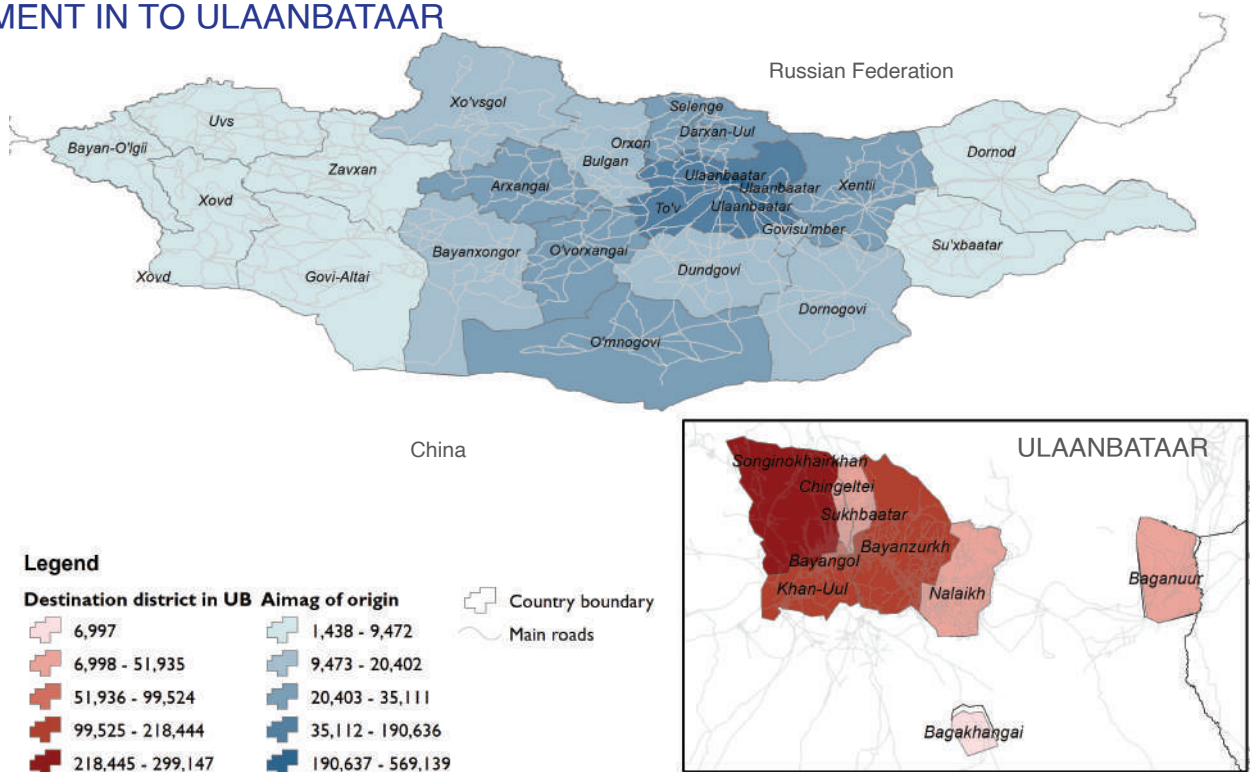
Russian Federation

China

ULAANBATAAR

Legend

Destination district in UB
- 6,997
- 6,998 - 51,935
- 51,936 - 99,524
- 99,525 - 218,444
- 218,445 - 299,147

Aimag of origin
- 1,438 - 9,472
- 9,473 - 20,402
- 20,403 - 35,111
- 35,112 - 190,636
- 190,637 - 569,139

- Country boundary
- Main roads

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

DEMOGRAPHICS

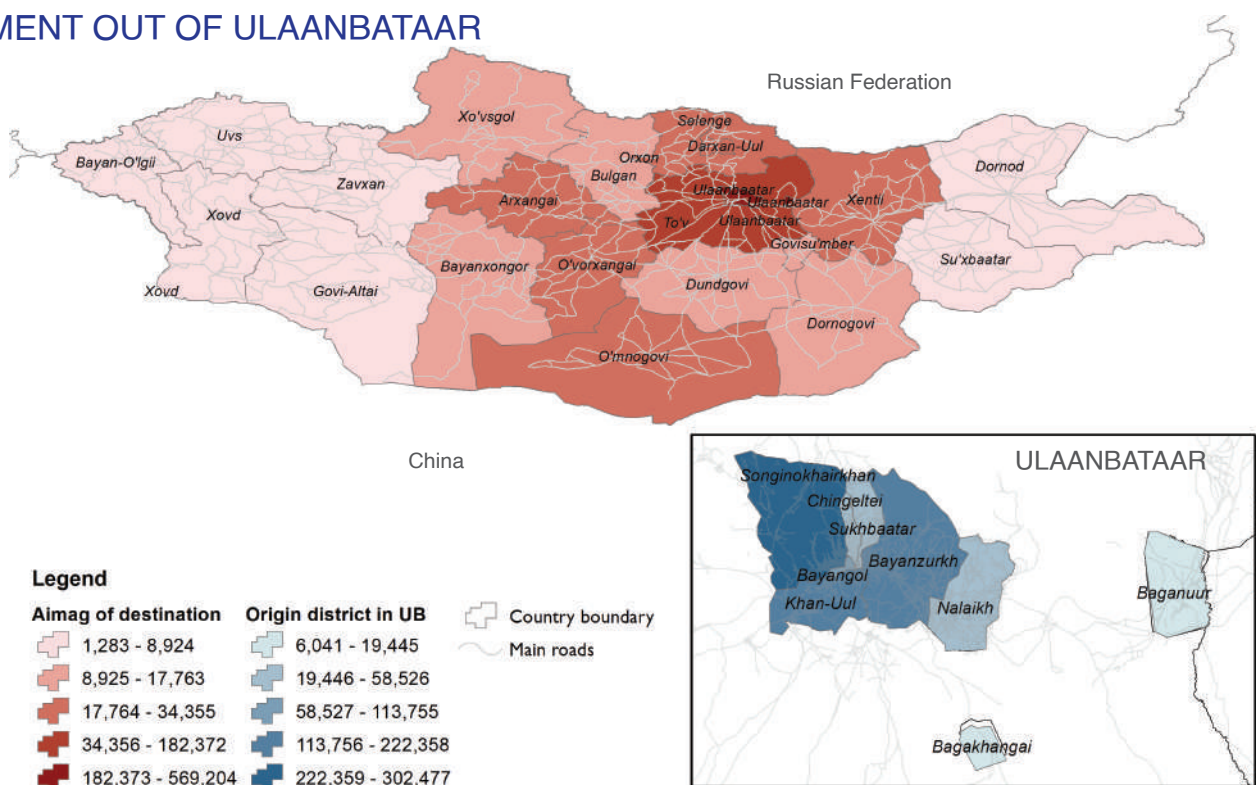XX% - Overall
XX% - Past 24 hrs

	MEN	WOMEN	BOYS	GIRLS
Overall	51%	32%	9%	8%
Past 24 hrs	52%	31%	10%	8%

of destination	?	Bagakhangai	Baganuur	Bayangol	Bayanzurkh	Chingeltei	Khan-Uul	Nalaikh	Songinokhairkhan	Sukhbaatar	TOTAL
Ulaanbaatar	1,937	5,640	18,374	35,047	77,005	24,434	155,637	49,026	177,806	24,233	569,139
Arkhangai	121	12	49	4,682	5,893	1,835	2,915	138	9,094	1,652	26,391
Bayankhongor	57	10	48	1,802	2,726	885	1,334	112	4,834	919	12,727
Bayan-Ulgii	10	-	-	187	344	51	81	12	617	136	1,438
Bulgan	161	22	39	3,751	4,960	1,437	2,579	68	6,174	1,211	20,402
Darkhan-Uul	212	34	108	5,563	6,852	1,840	3,918	292	14,118	2,174	35,111
Dornod	61	17	10	1,032	4,393	631	994	44	1,059	777	9,018
Dornogobi	82	15	38	2,590	5,829	764	1,789	122	2,049	1,117	14,395
Dundgobi	70	13	17	2,514	5,780	899	3,082	36	3,106	1,326	16,843
Gobi-Altai	23	11	31	684	1,309	323	520	27	2,177	363	5,468
Gobisumber	50	8	48	1,717	5,600	548	1,145	99	1,140	839	11,194
Khentii	85	6	20	2,180	12,436	1,258	2,026	119	2,174	1,695	21,999
Khovd	7	-	12	627	1,126	276	633	40	2,273	170	5,164
Khuvsgul	65	25	74	2,522	3,287	825	1,695	69	4,655	962	14,179
Orkhon	110	4	78	4,578	5,403	1,267	3,446	174	7,287	1,746	24,093
Selenge	131	34	142	7,583	8,100	2,452	4,097	314	9,168	2,542	34,563
Sukhbaatar	56	14	23	679	4,178	357	587	59	637	550	7,140
Tuv	896	158	445	29,488	40,877	13,303	33,262	2,356	55,678	14,173	190,636
Umnugobi	110	5	37	3,086	5,663	1,080	5,429	89	5,254	1,445	22,198
Uvurkhangai	137	51	73	4,693	6,297	1,889	4,034	167	11,371	1,719	30,431
Zavkhan	52	10	13	1,492	2,495	558	1,097	51	2,943	761	9,472
Uvs	18	5	18	724	1,508	343	621	89	2,364	325	6,015
?	34	8	19	335	691	102	343	183	552	190	2,457
TOTAL	4,485	6,102	19,716	117,556	212,752	57,357	231,264	53,686	326,530	61,025	1,090,473

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MOVEMENT OUT OF ULAANBATAAR

Russian Federation

China

ULAANBATAAR

Legend

Aimag of destination
- 1,283 - 8,924
- 8,925 - 17,763
- 17,764 - 34,355
- 34,356 - 182,372
- 182,373 - 569,204

Origin district in UB
- 6,041 - 19,445
- 19,446 - 58,526
- 58,527 - 113,755
- 113,756 - 222,358
- 222,359 - 302,477

- Country boundary
- Main roads

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DEMOGRAPHICS
XX% - Overall
XX% - Past 24 hrs

MEN	WOMEN	BOYS	GIRLS
51% / 49%	30% / 31%	10% / 10%	8% / 10%

Aimag of destination \ UB District of origin	?	Bagakhangai	Bayanzurkh	Baganuur	Bayangol	Chingeltei	Khan-Uul	Nalaikh	Songinokhairkhan	Sukhbaatar	TOTAL
Arkhangai	302	15	4,448	36	3,352	1,501	2,262	136	7,900	1,315	21,267
Bayankhongor	86	18	1,719	78	1,365	643	1,120	62	4,336	609	10,036
Bayan-Ulgii	-	-	333	-	220	51	79	4	509	87	1,283
Bulgan	203	1	3,932	31	3,015	1,368	2,156	34	5,960	1,063	17,763
Darkhan-Uul	115	13	5,713	76	4,664	1,696	3,438	223	16,522	1,895	34,355
Dornod	63	8	4,764	2	865	621	1,015	43	907	636	8,924
Dornogobi	69	5	6,761	70	2,694	1,007	2,131	88	2,199	1,052	16,076
Dundgobi	71	17	5,627	65	2,160	988	3,084	63	3,368	1,322	16,765
Gobi-Altai	31	9	851	18	351	225	454	49	2,066	211	4,265
Gobisumber	50	-	5,384	19	1,376	565	952	71	1,106	661	10,184
Khentii	106	8	11,995	19	2,017	1,072	1,658	97	1,796	1,494	20,262
Khovd	13	-	837	7	423	141	430	38	1,787	205	3,881
Khuvsgul	58	3	2,196	16	1,357	597	1,287	54	4,475	592	10,635
Orkhon	117	9	4,364	92	3,992	1,243	2,907	136	7,987	1,309	22,156
Selenge	69	17	6,905	137	6,858	2,110	3,790	383	9,788	2,131	32,188
Sukhbaatar	36	6	4,169	6	495	369	638	23	740	634	7,116
Tuv	1,078	110	38,988	508	27,110	12,553	31,147	2,354	55,275	13,249	182,372
Umnugobi	70	15	6,570	89	3,429	1,405	5,925	111	6,089	1,946	25,649
Uvs	26	7	772	18	345	203	365	31	1,516	198	3,481
Uvurkhangai	208	24	4,593	62	3,542	1,234	3,075	83	9,704	1,349	23,874
Zavkhan	70	11	1,433	17	824	381	682	64	2,496	361	6,339
?	115	5	565	44	243	133	246	255	631	155	2,392
TOTAL	2,956	301	122,919	1,410	70,697	30,106	68,841	4,402	147,157	32,474	481,263