DTM
MONGOLIA : COVID-19 PREPAREDNESS
FLOW MONITORING AT MAJOR CHECKPOINTS OF ULAANBAATAR
(Data collected: 08:00 hrs Feb 27th - 24:00 hrs May 9th, 2020)

SITREP # 72
10-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

2,732,035
cumulative movements tracked by DTM flow monitoring points (FMP)

35,858 ▼
Movements tracked in the past 24 hrs

10,805 (R)
42,988 (N)
Average movement per day during restricted (R) and unrestricted (N) periods

DEMOGRAPHICS

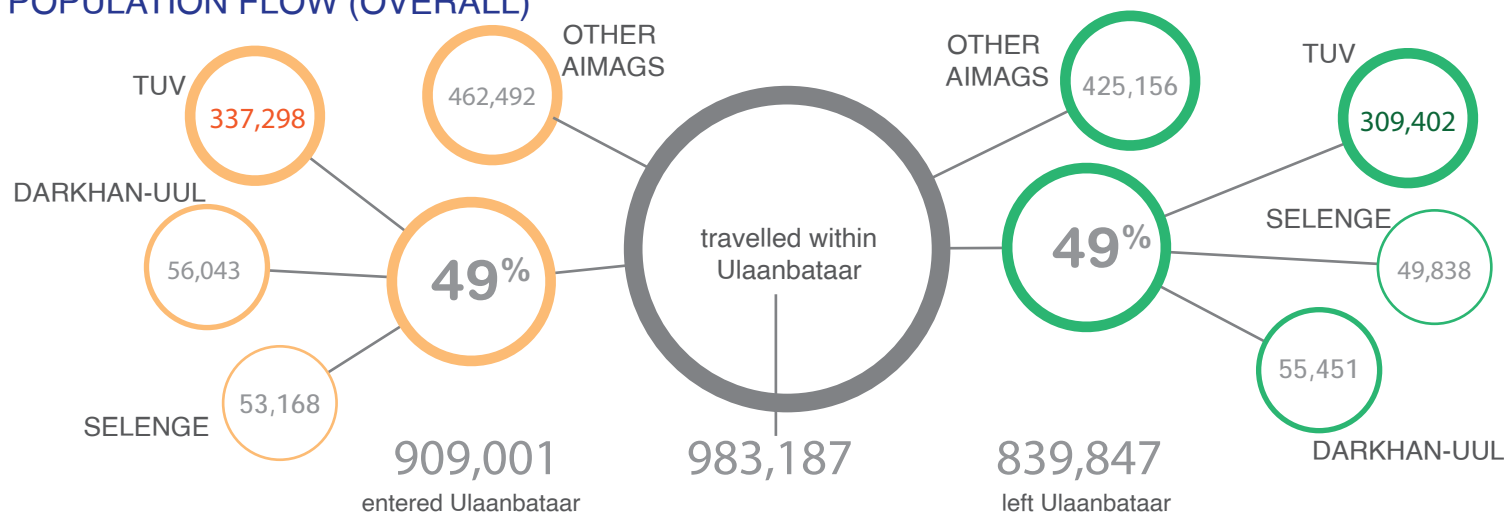XX% - **Overall**
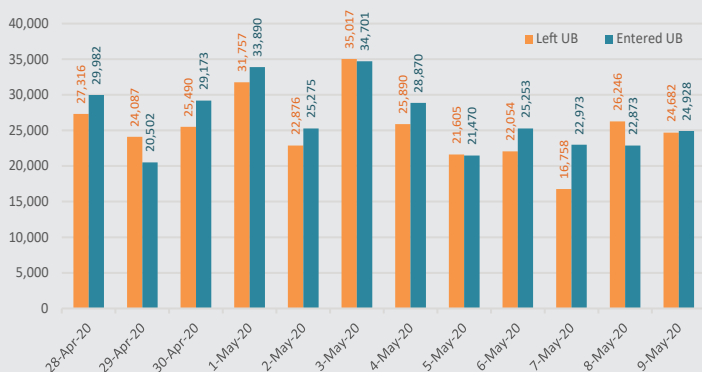XX% - **Past 24 hrs**

MEN	WOMEN	BOYS	GIRLS
52% / **52%**	**31%** / **33%**	**9%** / **10%**	**7%** / **6%**

POPULATION FLOW (OVERALL)

TUV **337,298**
OTHER AIMAGS 462,492
DARKHAN-UUL 56,043
SELENGE 53,168
49%

travelled within Ulaanbataar

49%
OTHER AIMAGS 425,156
TUV **309,402**
SELENGE 49,838
DARKHAN-UUL 55,451

909,001 entered Ulaanbataar
983,187
839,847 left Ulaanbataar

MOVEMENT TRENDS

	Left UB	Entered UB
28-Apr-20	27,316	29,982
29-Apr-20	24,087	20,502
30-Apr-20	25,490	29,173
1-May-20	31,757	33,890
2-May-20	22,876	25,275
3-May-20	35,017	34,701
4-May-20	25,890	28,870
5-May-20	21,605	21,470
6-May-20	22,054	25,253
7-May-20	16,758	22,973
8-May-20	26,246	22,873
9-May-20	24,682	24,928

MOVEMENT THROUGH CHECKPOINTS

Checkpoint	OVERALL			9-May-20		
	TOTAL	IN	OUT	TOTAL	IN	OUT
Baruunturuun	402,017	191,320	210,697	0	0	0
Ulziit	395,792	207,912	187,880	4,687	3,014	1,673
Nalaikh	817,766	408,252	409,514	11,302	5,694	5,608
Morin	640,467	320,148	320,319	13,034	6,507	6,527
Emeelt	956,288	512,586	443,702	9,398	4,304	5,094
Gunt	501,832	251,524	250,308	11,189	5,409	5,780
Total	3,714,162	1,891,742	1,822,420	49,610	24,928	24,682

DTM

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MOVEMENT IN TO ULAANBATAAR
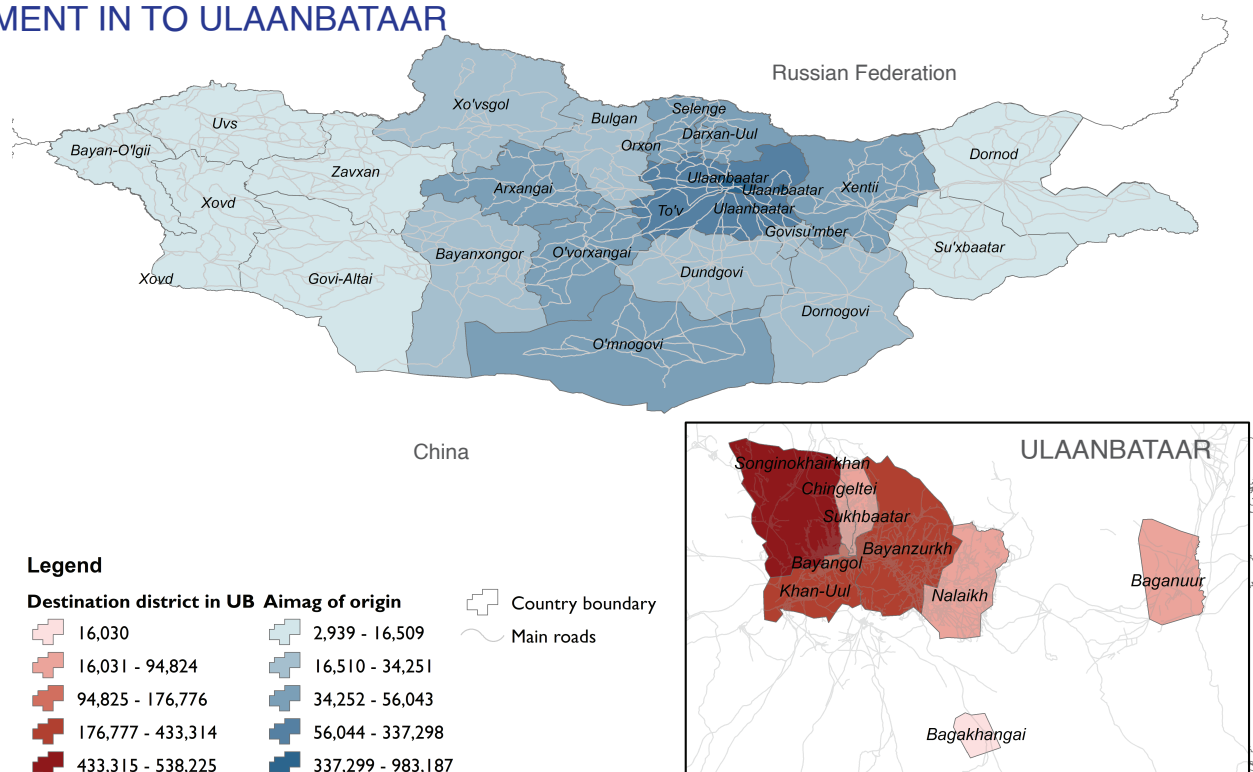
Russian Federation

China

ULAANBATAAR

Legend

Destination district in UB
- 16,030
- 16,031 - 94,824
- 94,825 - 176,776
- 176,777 - 433,314
- 433,315 - 538,225

Aimag of origin
- 2,939 - 16,509
- 16,510 - 34,251
- 34,252 - 56,043
- 56,044 - 337,298
- 337,299 - 983,187

- Country boundary
- Main roads

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

DEMOGRAPHICS
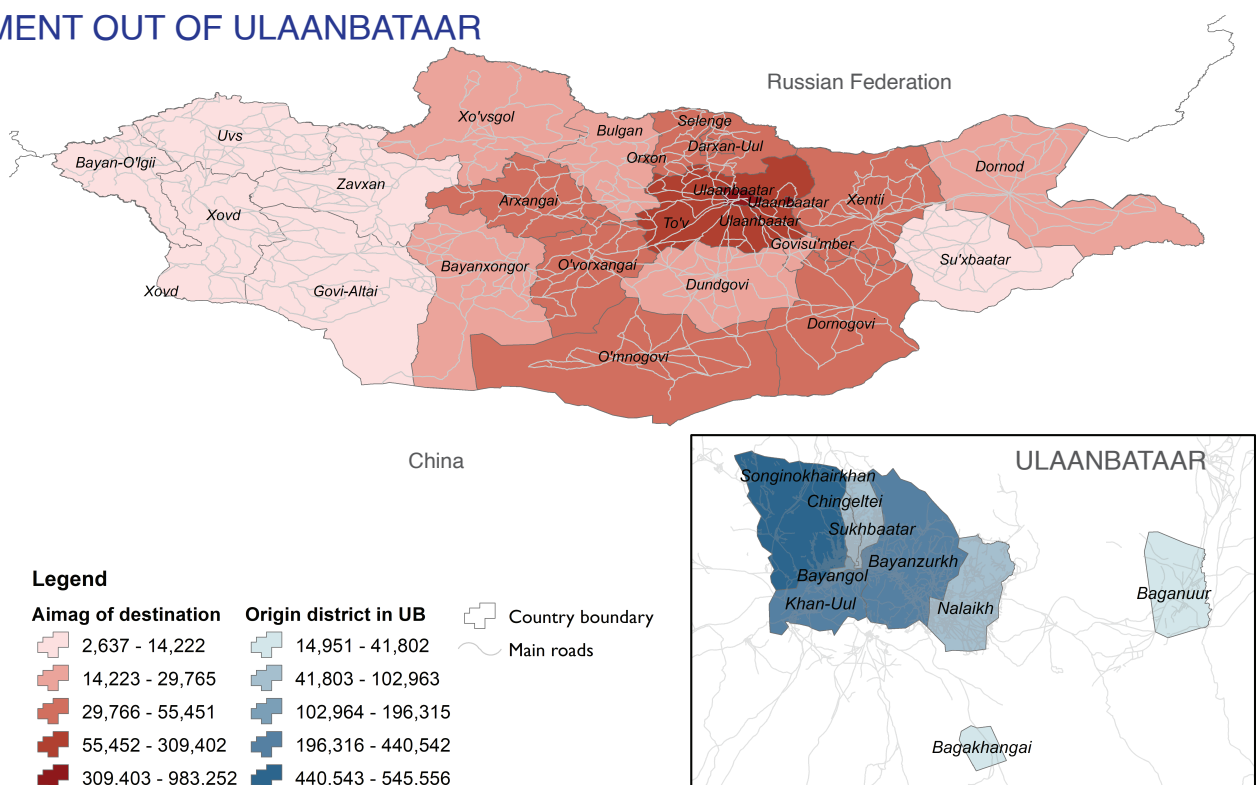
XX% - Overall
XX%- Past 24 hrs

	MEN	WOMEN	BOYS	GIRLS
Overall	52%	31%	9%	7%
Past 24 hrs	53%	32%	9%	6%

of destination	?	Bagakhangai	Baganuur	Bayangol	Bayanzurkh	Chingeltei	Khan-Uul	Nalaikh	Songinokhairkhan	Sukhbaatar	TOTAL
Ulaanbaatar	5,618	14,002	38,551	58,283	117,933	47,733	308,676	61,806	291,138	39,447	983,187
Arkhangai	200	27	68	7,686	9,648	3,241	4,703	204	16,007	2,626	44,410
Bayankhongor	118	25	55	2,912	4,418	1,459	2,294	182	8,535	1,537	21,535
Bayan-Ulgii	23	5	1	395	717	121	152	48	1,235	242	2,939
Bulgan	216	27	70	6,064	8,065	2,464	4,300	124	10,790	2,131	34,251
Darkhan-Uul	295	50	155	8,512	10,541	2,891	6,162	362	23,574	3,501	56,043
Dornod	132	37	16	1,645	8,380	1,084	1,875	135	1,834	1,371	16,509
Dornogobi	385	46	130	5,529	12,442	1,706	3,839	484	3,841	2,504	30,906
Dundgobi	195	22	97	4,295	10,631	1,691	5,432	191	5,390	2,218	30,162
Gobi-Altai	48	24	36	1,131	2,020	546	927	38	4,216	565	9,551
Gobisumber	320	25	145	3,197	11,572	947	2,197	458	2,091	1,580	22,532
Khentii	292	54	34	3,917	23,938	2,267	3,704	507	3,813	3,045	41,571
Khovd	14	2	12	978	1,769	404	1,011	52	4,564	386	9,192
Khuvsgul	123	35	102	3,822	5,381	1,595	2,679	131	8,837	1,669	24,374
Orkhon	193	5	130	7,846	8,740	1,937	5,634	232	12,226	2,663	39,606
Selenge	200	46	207	12,332	12,288	3,680	6,255	413	13,971	3,776	53,168
Sukhbaatar	103	43	48	1,273	7,802	741	1,159	163	1,192	1,060	13,584
Tuv	2,074	293	1,162	50,433	72,916	22,930	58,788	9,753	94,442	24,507	337,298
Umnugobi	190	11	145	5,527	10,215	1,873	9,957	264	8,863	2,606	39,651
Uvurkhangai	260	63	141	7,458	10,703	2,913	6,691	274	19,987	2,824	51,314
Zavkhan	75	18	29	2,345	3,929	877	1,640	80	5,214	1,088	15,295
Uvs	38	8	21	1,145	2,234	520	1,013	99	4,384	473	9,935
?	89	15	388	579	1,450	190	744	414	963	343	5,175
TOTAL	11,201	14,883	41,743	197,304	357,732	103,810	439,832	76,414	547,107	102,162	1,892,188

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 OUT OF ULAANBATAAR

Russian Federation

China

ULAANBATAAR

Legend

Aimag of destination
- 2,637 - 14,222
- 14,223 - 29,765
- 29,766 - 55,451
- 55,452 - 309,402
- 309,403 - 983,252

Origin district in UB
- 14,951 - 41,802
- 41,803 - 102,963
- 102,964 - 196,315
- 196,316 - 440,542
- 440,543 - 545,556

- Country boundary
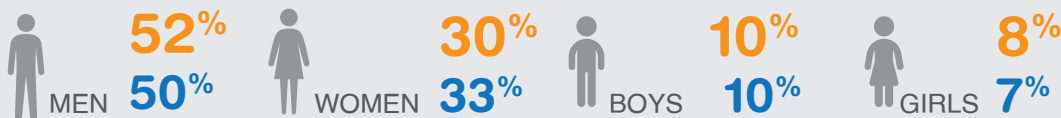- Main roads

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DEMOGRAPHICS

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

	Overall	Past 24 hrs
MEN	52%	50%
WOMEN	30%	33%
BOYS	10%	10%
GIRLS	8%	7%

UB District of origin / Aimag of destination	?	Bagakhangai	Bayanzurkh	Baganuur	Bayangol	Chingeltei	Khan-Uul	Nalaikh	Songinokhairkhan	Sukhbaatar	TOTAL
Arkhangai	386	48	7,727	82	5,543	2,551	3,857	180	13,725	2,318	36,417
Bayankhongor	117	27	3,346	93	2,542	1,101	2,026	126	8,041	1,232	18,651
Bayan-Ulgii	2	-	681	-	441	126	164	24	1,037	162	2,637
Bulgan	301	1	6,416	56	4,880	2,053	3,431	70	9,636	1,775	28,619
Darkhan-Uul	211	35	9,055	140	7,366	2,731	5,467	358	26,687	3,401	55,451
Dornod	160	23	9,720	28	1,702	1,047	1,870	297	1,655	1,363	17,865
Dornogobi	397	23	13,918	238	5,859	2,087	4,492	386	4,008	2,332	33,740
Dundgobi	140	20	10,363	110	3,849	1,588	5,421	150	5,783	2,341	29,765
Gobi-Altai	31	9	1,563	47	797	431	800	84	4,110	419	8,291
Gobisumber	244	24	10,889	111	2,770	985	2,085	389	1,998	1,206	20,701
Khentii	321	60	24,155	66	3,764	2,004	3,353	496	3,287	2,880	40,386
Khovd	31	3	1,459	15	832	272	739	57	3,402	361	7,171
Khuvsgul	98	11	4,080	38	2,532	1,110	2,130	87	8,214	1,232	19,532
Orkhon	188	13	7,081	143	6,641	1,909	4,859	199	13,187	2,217	36,437
Selenge	144	29	10,567	229	11,205	3,339	5,623	492	14,805	3,405	49,838
Sukhbaatar	136	27	8,345	63	1,103	711	1,257	111	1,216	1,253	14,222
Tuv	1,764	215	68,620	1,192	44,640	21,114	52,923	8,714	87,837	22,383	309,402
Umnugobi	116	33	11,126	196	5,684	2,376	10,180	275	9,337	3,260	42,583
Uvs	57	8	1,644	25	902	406	841	47	3,271	493	7,694
Uvurkhangai	253	53	7,869	127	6,096	2,273	5,282	152	17,082	2,376	41,563
Zavkhan	70	17	2,994	29	1,794	702	1,398	107	5,161	700	12,972
?	326	30	1,327	103	575	269	1,156	567	1,180	377	5,910
TOTAL	5,493	709	222,945	3,131	121,517	51,185	119,354	13,368	244,659	57,486	839,847