

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 27<sup>th</sup> 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 300 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 27<sup>th</sup>, 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 3<sup>rd</sup> and is scheduled to last until May 1<sup>st</sup>, 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 zdud.

### NUMBERS AT A GLANCE

**1,261,818**

cumulative movements tracked by DTM flow monitoring points (FMP)

**46,084** ↑

Movements tracked in the past 24 hrs

**10,196 (R)**  
**42,366 (N)**

Average movement per day during restricted (R) and unrestricted (N) periods

### DEMOGRAPHICS

XX% - Overall  
XX% - Past 24 hrs



MEN

51%  
51%



WOMEN

31%  
32%



BOYS

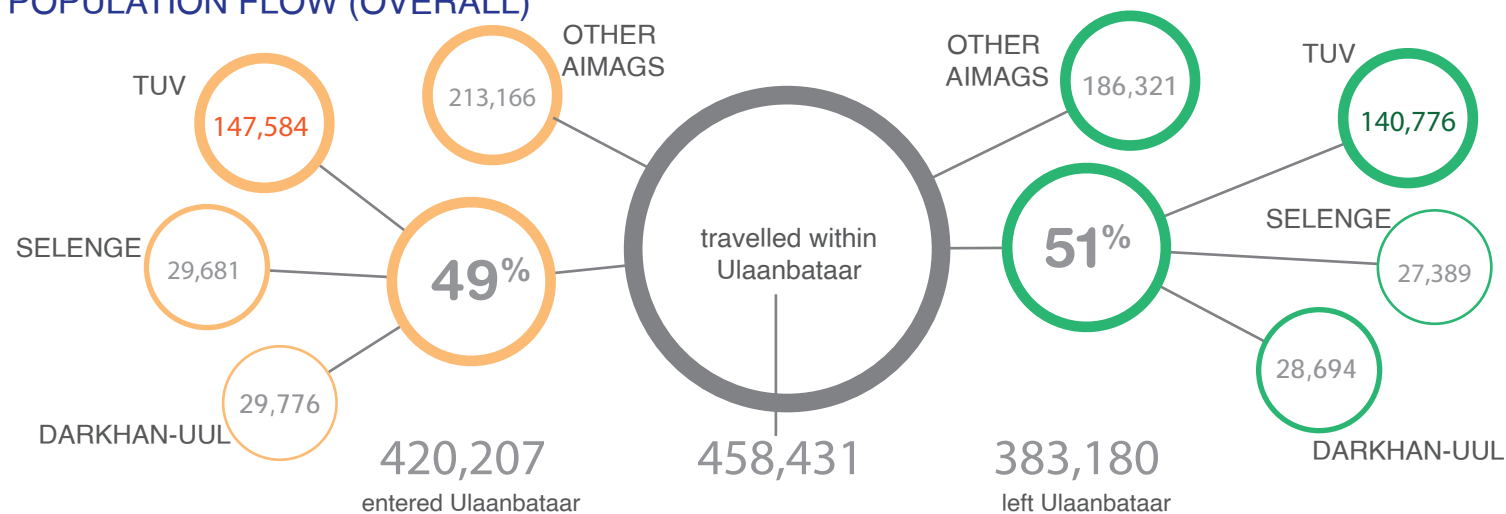
10%  
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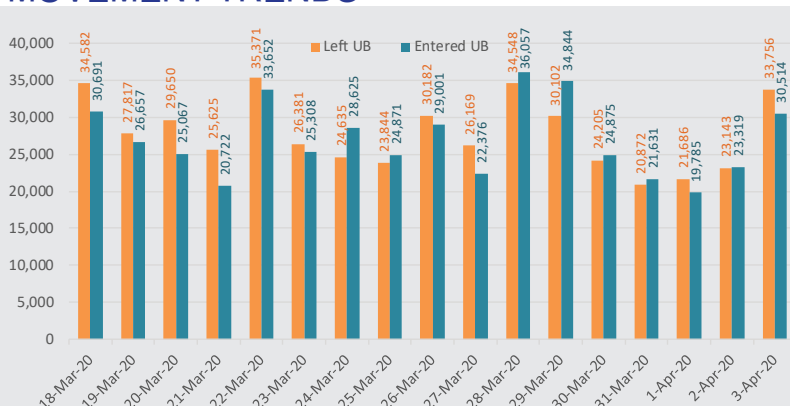
GIRLS

8%  
8%

### POPULATION FLOW (OVERALL)



### MOVEMENT TRENDS

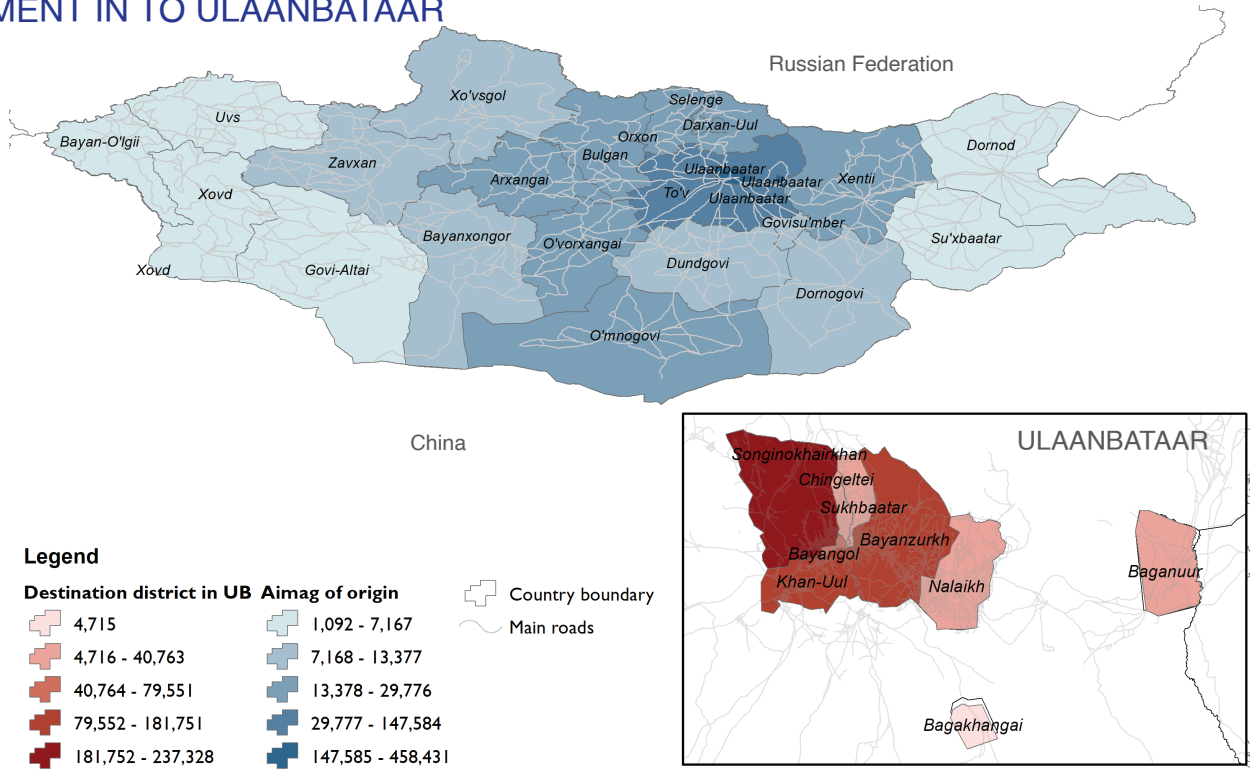


### MOVEMENT THROUGH CHECKPOINTS

Checkpoint	OVERALL			3-Apr-20		
	TOTAL	IN	OUT	TOTAL	IN	OUT
Emeelt	292,797	141,303	151,494	7,268	3,437	3,831
Baruunturuun	189,711	95,740	93,971	7,818	4,403	3,415
Nalaikh	371,878	187,626	184,252	18,856	9,339	9,517
Morin	267,317	133,833	133,484	9,966	4,981	4,985
Ulziit	425,533	233,052	192,481	11,010	3,912	7,098
Gunt	172,855	87,039	85,816	9,352	4,442	4,910
<b>Total</b>	<b>1,720,091</b>	<b>878,593</b>	<b>841,498</b>	<b>64,270</b>	<b>30,514</b>	<b>33,756</b>



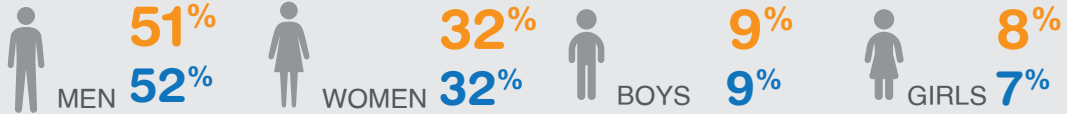
**MOVEMENT IN TO ULAANBATAAR**



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

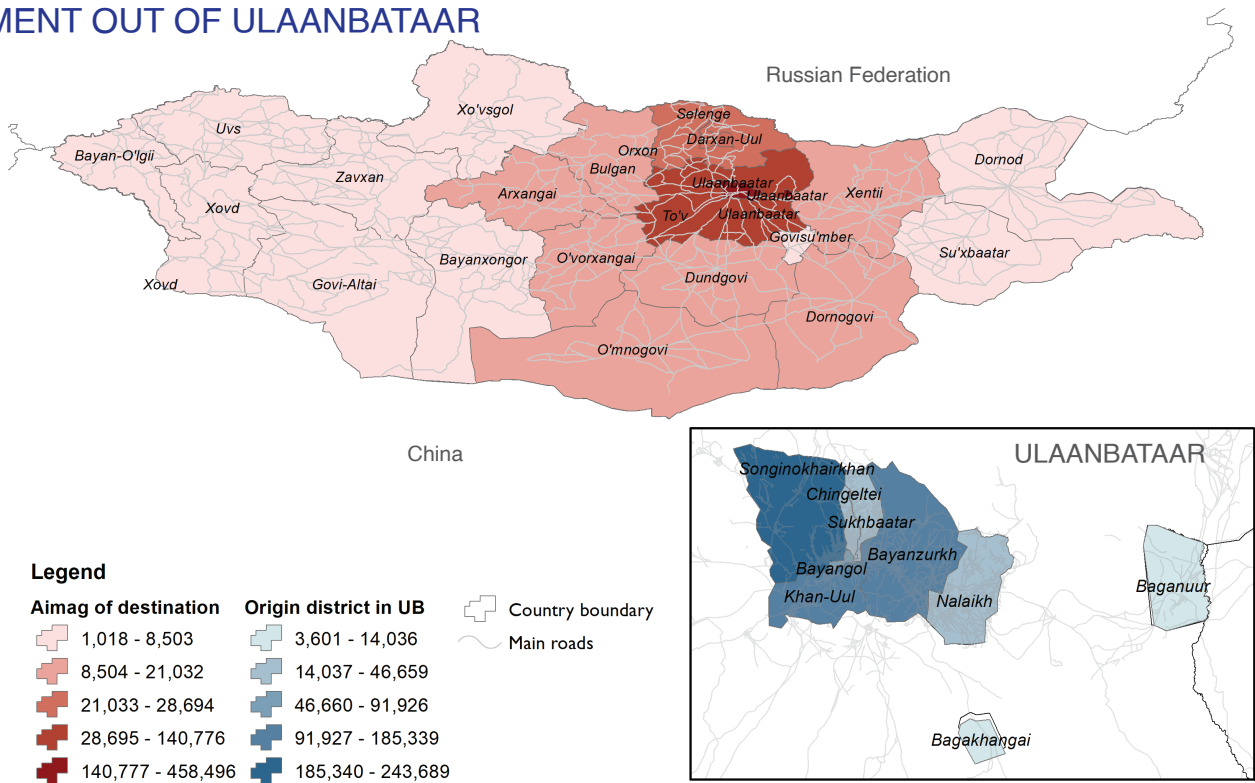
**DEMOGRAPHICS**

XX% - Overall  
 XX% - Past 24 hrs



of destination	?	Bagakhangai	Baganuur	Bayangol	Bayanzurkh	Chingeltei	Khan-Uul	Nalaikh	Songinokhairkhan	Sukhbaatar	TOTAL
Ulaanbaatar	1,367	3,306	13,262	27,592	63,270	18,744	133,372	37,032	141,216	19,270	458,431
Arkhangai	105	12	49	4,038	5,071	1,628	2,466	127	7,918	1,430	22,844
Bayankhongor	50	3	34	1,465	2,302	726	1,099	89	4,025	786	10,579
Bayan-Ulgii	6	-	-	140	257	47	50	10	467	115	1,092
Bulgan	123	18	34	3,110	4,191	1,272	2,257	64	5,128	1,044	17,241
Darkhan-Uul	172	33	92	4,750	5,784	1,590	3,397	269	11,809	1,880	29,776
Dornod	29	5	-	785	3,452	525	801	27	903	640	7,167
Dornogobi	47	14	12	1,910	4,260	522	1,246	23	1,523	827	10,384
Dundgobi	47	3	12	2,050	4,556	756	2,420	8	2,532	993	13,377
Gobi-Altai	23	11	31	635	1,111	305	414	19	1,833	326	4,708
Gobisumber	28	5	12	1,328	4,261	407	833	17	832	668	8,391
Khentii	25	6	17	1,775	9,646	1,064	1,593	25	1,724	1,341	17,216
Khovd	5	-	12	519	928	252	542	40	1,780	138	4,216
Khuvsgul	51	25	65	2,196	2,882	742	1,428	58	4,040	811	12,298
Orkhon	84	4	67	3,776	4,568	1,027	2,872	163	6,083	1,475	20,119
Selenge	103	26	112	6,493	6,852	2,052	3,468	277	8,089	2,209	29,681
Sukhbaatar	28	5	15	574	3,249	270	435	34	520	433	5,563
Tuv	606	109	306	23,408	30,929	10,505	25,465	517	44,765	10,974	147,584
Umnugobi	84	5	34	2,401	4,374	827	4,210	60	4,300	998	17,293
Uvurkhangai	122	41	67	4,059	5,366	1,695	3,422	152	9,548	1,424	25,896
Zavkhan	42	10	12	1,297	2,106	471	922	45	2,461	605	7,971
Uvs	18	5	18	617	1,267	300	506	87	2,069	289	5,176
?	24	4	4	240	483	72	236	92	351	129	1,635
<b>TOTAL</b>	<b>3,189</b>	<b>3,650</b>	<b>14,267</b>	<b>95,158</b>	<b>171,165</b>	<b>45,799</b>	<b>193,454</b>	<b>39,235</b>	<b>263,916</b>	<b>48,805</b>	<b>878,638</b>

**MOVEMENT OUT OF ULAANBATAAR**



**Legend**

Aimags of destination	Origin district in UB	Country boundary
1,018 - 8,503	3,601 - 14,036	Country boundary
8,504 - 21,032	14,037 - 46,659	Main roads
21,033 - 28,694	46,660 - 91,926	
28,695 - 140,776	91,927 - 185,339	
140,777 - 458,496	185,340 - 243,689	

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**DEMOGRAPHICS**

XX% - Overall  
 XX% - Past 24 hrs



52%  
 48%



30%  
 32%



10%  
 11%



8%  
 9%

UB District of origin	?	Bagakhangai	Bayanzurkh	Baganuur	Bayangol	Chingeltei	Khan-Uul	Nalaikh	Songinokhairkhan	Sukhbaatar	TOTAL
Aimags of destination											
Arkhangai	290	4	3,698	36	2,733	1,276	1,873	82	6,562	1,140	17,694
Bayankhongor	85	3	1,338	63	1,110	528	899	58	3,586	533	8,203
Bayan-Ulgii	-	-	245	-	200	32	55	-	427	59	1,018
Bulgan	190	1	3,170	23	2,542	1,149	1,745	25	4,951	879	14,675
Darkhan-Uul	106	11	4,822	64	3,984	1,415	2,957	214	13,571	1,550	28,694
Dornod	33	8	3,889	2	659	547	755	10	772	505	7,180
Dornogobi	49	5	5,167	36	2,041	777	1,526	4	1,632	735	11,972
Dundgobi	47	15	4,343	40	1,701	791	2,403	27	2,660	1,045	13,072
Gobi-Altai	31	9	715	18	288	200	343	33	1,752	174	3,563
Gobisumber	20	-	3,804	13	999	444	728	17	843	511	7,379
Khentii	60	8	9,517	10	1,563	905	1,249	10	1,509	1,163	15,994
Khovd	11	-	708	7	374	117	360	38	1,373	156	3,144
Khuvsgul	58	3	1,744	16	1,102	437	1,008	27	3,614	494	8,503
Orkhon	109	9	3,612	82	3,327	1,056	2,519	119	6,827	1,106	18,766
Selenge	64	12	5,852	117	5,807	1,798	3,194	341	8,383	1,821	27,389
Sukhbaatar	17	1	3,319	2	395	306	479	11	599	494	5,623
Tuv	853	73	29,082	274	21,264	9,861	24,088	524	44,507	10,250	140,776
Umnugobi	54	15	5,384	74	2,809	1,178	4,715	73	5,061	1,669	21,032
Uvs	26	7	598	18	256	189	286	27	1,185	154	2,746
Uvurkhangai	206	21	3,712	48	2,883	1,032	2,494	55	7,755	1,160	19,366
Zavkhan	70	5	1,106	12	685	298	536	51	2,057	277	5,097
?	66	1	241	16	135	101	138	70	469	57	1,294
<b>TOTAL</b>	<b>2,445</b>	<b>211</b>	<b>96,066</b>	<b>971</b>	<b>56,857</b>	<b>24,437</b>	<b>54,350</b>	<b>1,816</b>	<b>120,095</b>	<b>25,932</b>	<b>383,180</b>