

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 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 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

**1,903,352**

cumulative movements tracked by DTM flow monitoring points (FMP)

**48,052** ↑

Movements tracked in the past 24 hrs

**10,196 (R)**  
**43,576 (N)**

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

### DEMOGRAPHICS

XX% - Overall  
XX% - Past 24 hrs



MEN

52%

54%



WOMEN

31%

31%



BOYS

10%

9%

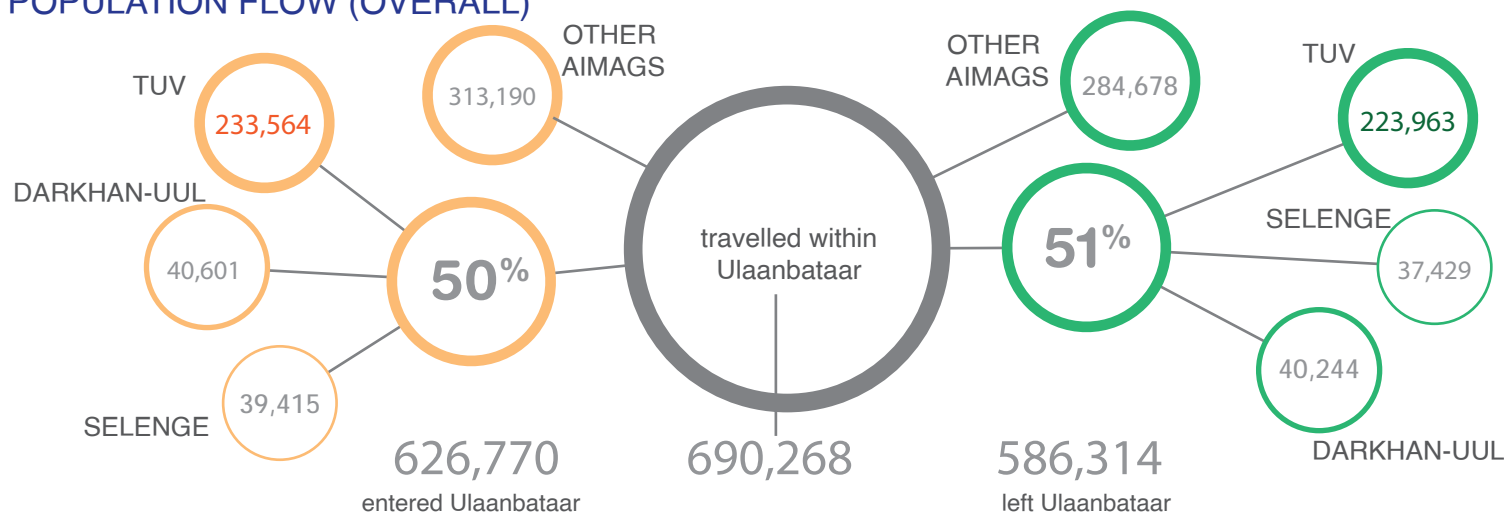


GIRLS

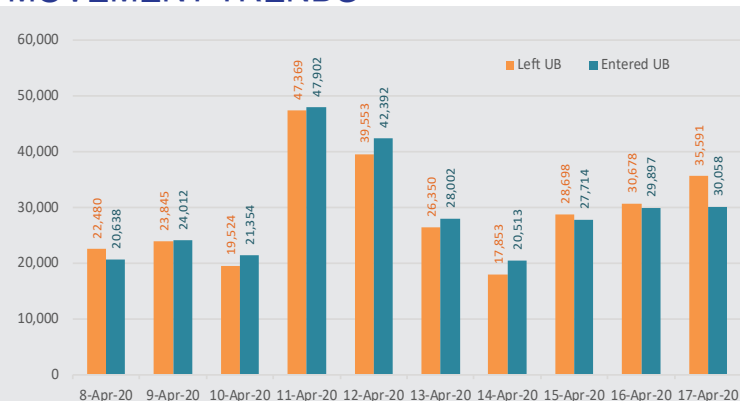
8%

6%

### POPULATION FLOW (OVERALL)



### MOVEMENT TRENDS

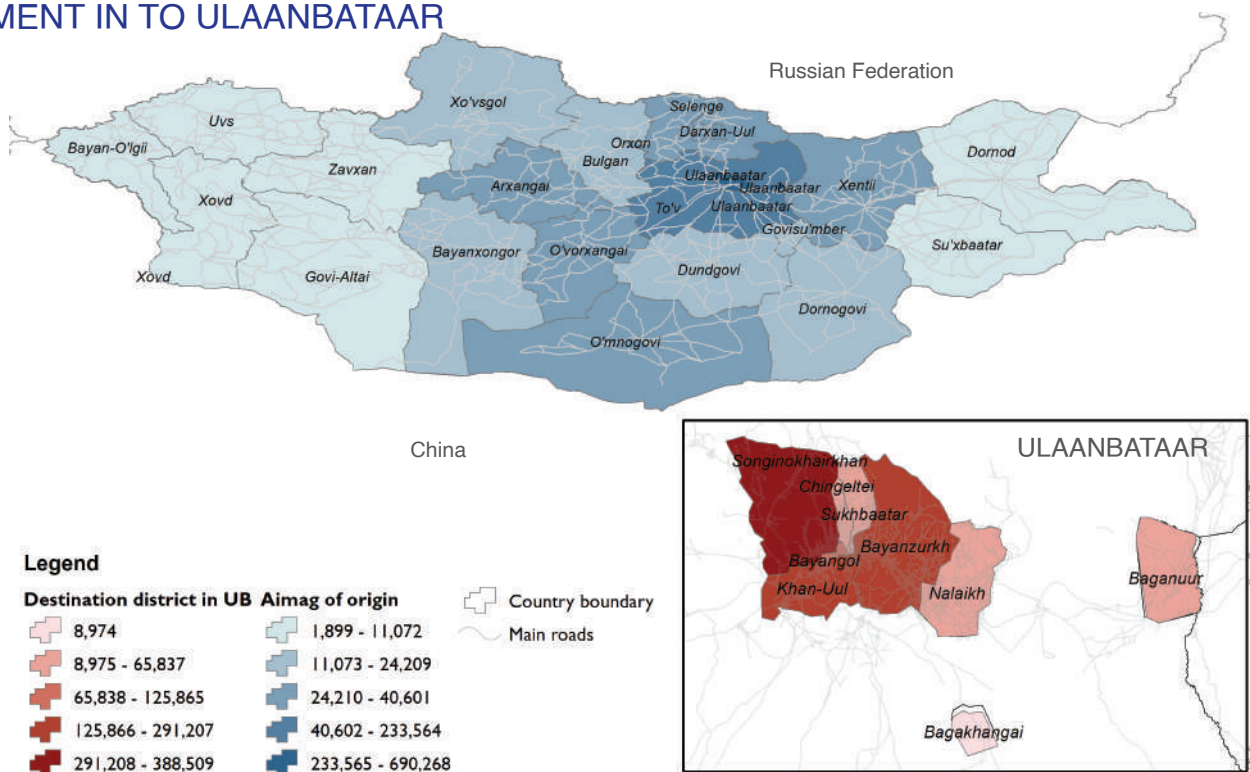


### MOVEMENT THROUGH CHECKPOINTS

Checkpoint	OVERALL			17-Apr-20		
	TOTAL	IN	OUT	TOTAL	IN	OUT
Baruunturuun	370,997	176,590	194,407	4,837	1,565	3,272
Ulziit	288,905	148,929	139,976	6,373	2,892	3,481
Nalaikh	563,101	282,517	280,584	10,995	5,003	5,992
Morin	414,043	207,188	206,855	13,281	6,654	6,627
Emeelt	648,054	347,847	300,207	19,312	8,672	10,640
Gunt	307,982	153,732	154,250	10,851	5,272	5,579
<b>Total</b>	<b>2,593,082</b>	<b>1,316,803</b>	<b>1,276,279</b>	<b>65,649</b>	<b>30,058</b>	<b>35,591</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



MEN

52%

55%



WOMEN

32%

31%



BOYS

9%

8%



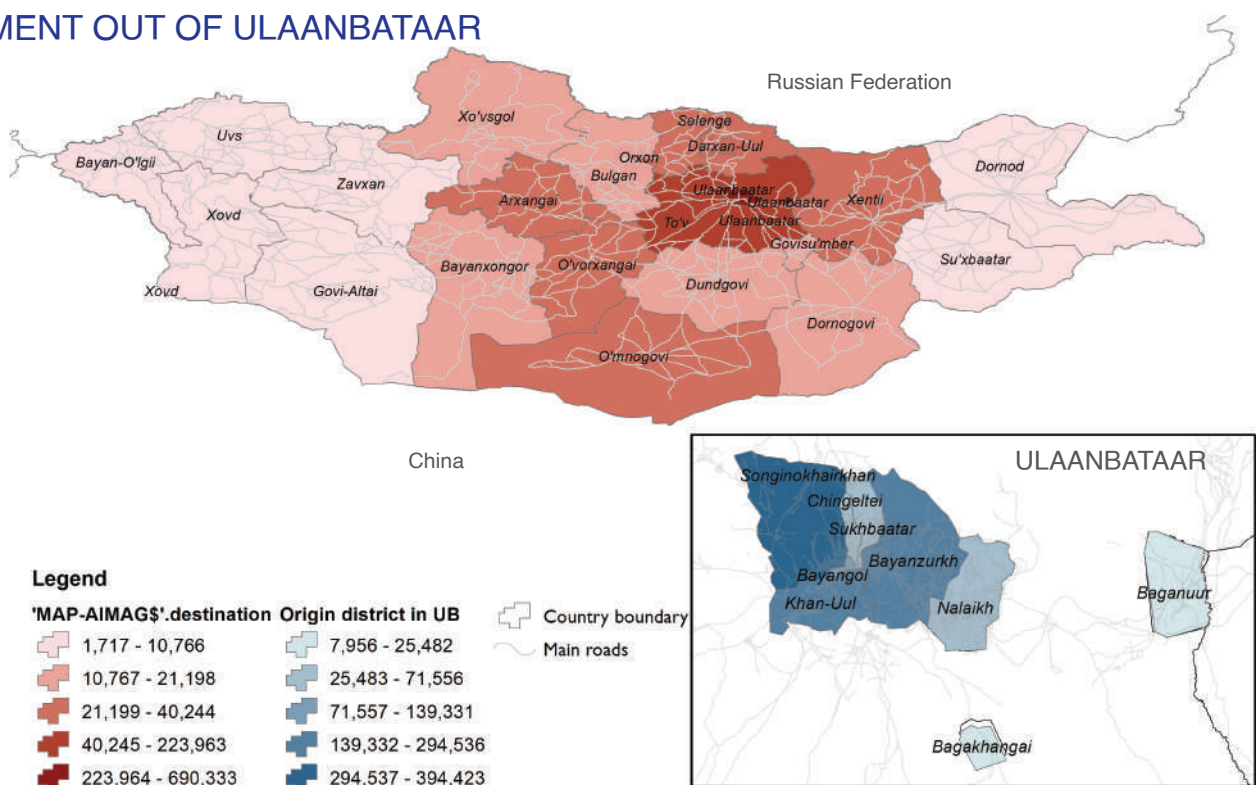
GIRLS

8%

6%

of destination	?	Bagakhangai	Baganuur	Bayangol	Bayanzurkh	Chingeltei	Khan-Uul	Nalaikh	Songinokhairkhan	Sukhbaatar	TOTAL
Ulaanbaatar	2,872	7,338	23,587	42,061	88,303	28,860	202,352	51,794	214,550	28,551	690,268
Arkhangai	142	12	55	5,533	6,876	2,227	3,471	151	10,784	1,899	31,150
Bayankhongor	78	13	48	2,139	3,170	1,022	1,604	130	5,838	1,065	15,107
Bayan-Ulgii	14	-	1	236	437	80	108	23	822	178	1,899
Bulgan	178	22	44	4,442	5,811	1,682	3,092	99	7,408	1,431	24,209
Darkhan-Uul	237	40	114	6,427	7,846	2,092	4,476	316	16,544	2,509	40,601
Dornod	88	17	10	1,164	5,297	762	1,208	56	1,295	965	10,862
Dornogobi	111	33	63	3,158	7,209	919	2,222	194	2,437	1,356	17,702
Dundgobi	91	19	28	3,012	6,988	1,098	3,580	62	3,701	1,561	20,140
Gobi-Altai	39	11	34	869	1,576	420	673	29	2,766	431	6,848
Gobisumber	70	9	73	2,018	6,949	618	1,388	151	1,364	1,015	13,655
Khentii	107	16	22	2,568	15,177	1,453	2,478	212	2,552	2,132	26,717
Khovd	10	-	12	752	1,354	304	756	43	2,858	245	6,334
Khuvsgul	83	35	85	2,851	3,821	1,055	1,923	87	5,608	1,171	16,719
Orkhon	126	4	106	5,510	6,341	1,382	4,099	185	8,487	1,968	28,208
Selenge	152	34	160	8,821	9,151	2,739	4,753	345	10,366	2,894	39,415
Sukhbaatar	58	19	26	858	5,156	460	725	70	813	720	8,905
Tuv	1,134	191	644	35,715	50,172	16,190	41,248	4,091	67,064	17,115	233,564
Umnugobi	127	7	63	3,741	6,826	1,276	6,780	136	6,330	1,794	27,080
Uvurkhangai	167	53	93	5,512	7,633	2,158	4,753	199	13,847	1,962	36,377
Zavkhan	70	14	23	1,782	2,906	643	1,271	71	3,441	851	11,072
Uvs	28	5	21	867	1,742	409	743	89	2,892	392	7,188
?	59	12	36	428	852	110	426	197	655	243	3,018
<b>TOTAL</b>	<b>6,041</b>	<b>7,904</b>	<b>25,348</b>	<b>140,464</b>	<b>251,593</b>	<b>67,959</b>	<b>294,129</b>	<b>58,730</b>	<b>392,422</b>	<b>72,448</b>	<b>1,317,038</b>

### MOVEMENT OUT OF ULAANBATAAR



#### Legend

'MAP-AIMAG\$.destination	Origin district in UB
1,717 - 10,766	7,956 - 25,482
10,767 - 21,198	25,483 - 71,556
21,199 - 40,244	71,557 - 139,331
40,245 - 223,963	139,332 - 294,536
223,964 - 690,333	294,537 - 394,423

Country boundary  
Main roads

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### DEMOGRAPHICS

XX% - Overall

XX% - Past 24 hrs



UB District of origin	?	Bagakhangai	Bayanzurkh	Baganuur	Bayangol	Chingeltei	Khan-Uul	Nalaikh	Songinokhairkhan	Sukhbaatar	TOTAL
Aimags of destination											
Arkhangai	336	41	5,535	49	3,999	1,854	2,746	155	9,704	1,612	26,031
Bayankhongor	89	21	2,273	78	1,788	808	1,405	82	5,499	807	12,850
Bayan-Ulgii	-	-	439	-	300	78	118	12	651	119	1,717
Bulgan	223	1	4,719	44	3,548	1,560	2,535	50	7,264	1,254	21,198
Darkhan-Uul	129	13	6,688	111	5,433	1,983	3,985	233	19,460	2,209	40,244
Dornod	73	8	5,771	2	1,036	704	1,200	91	1,105	776	10,766
Dornogobi	132	8	8,180	119	3,316	1,209	2,541	152	2,530	1,318	19,505
Dundgobi	87	17	6,815	76	2,576	1,127	3,680	90	4,046	1,547	20,061
Gobi-Altai	31	9	1,099	29	490	255	535	60	2,616	269	5,393
Gobisumber	84	6	6,582	54	1,733	664	1,202	113	1,270	781	12,489
Khentii	141	12	14,716	29	2,387	1,273	1,961	167	2,132	1,840	24,658
Khovd	24	-	1,076	10	585	199	563	51	2,421	256	5,185
Khuvsgul	80	10	2,771	18	1,772	809	1,540	61	5,662	796	13,519
Orkhon	128	11	5,126	104	4,873	1,472	3,485	150	9,608	1,490	26,447
Selenge	80	19	7,918	162	8,165	2,435	4,375	408	11,352	2,515	37,429
Sukhbaatar	60	8	5,200	14	614	437	741	45	860	754	8,733
Tuv	1,232	139	48,252	686	33,306	15,351	38,352	3,849	66,523	16,273	223,963
Umnugobi	89	20	7,865	107	4,086	1,710	7,083	158	6,861	2,269	30,248
Uvs	27	7	1,005	25	510	292	474	39	1,978	267	4,624
Uvurkhangai	211	48	5,667	90	4,352	1,547	3,741	105	12,152	1,701	29,614
Zavkhan	70	11	1,891	20	1,137	436	909	92	3,380	483	8,429
?	163	13	759	59	315	168	346	307	885	196	3,211
<b>TOTAL</b>	<b>3,489</b>	<b>422</b>	<b>150,347</b>	<b>1,886</b>	<b>86,321</b>	<b>36,371</b>	<b>83,517</b>	<b>6,470</b>	<b>177,959</b>	<b>39,532</b>	<b>586,314</b>