

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 zdud.

NUMBERS AT A GLANCE

3,075,794

cumulative movements tracked by DTM flow monitoring points (FMP)

28,615 ↓

Movements tracked in the past 24 hrs

13,110 (R)
42,319 (N)

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

DEMOGRAPHICS

XX% - Overall
XX% - Past 24 hrs



MEN

52%
55%



WOMEN

31%
30%



BOYS

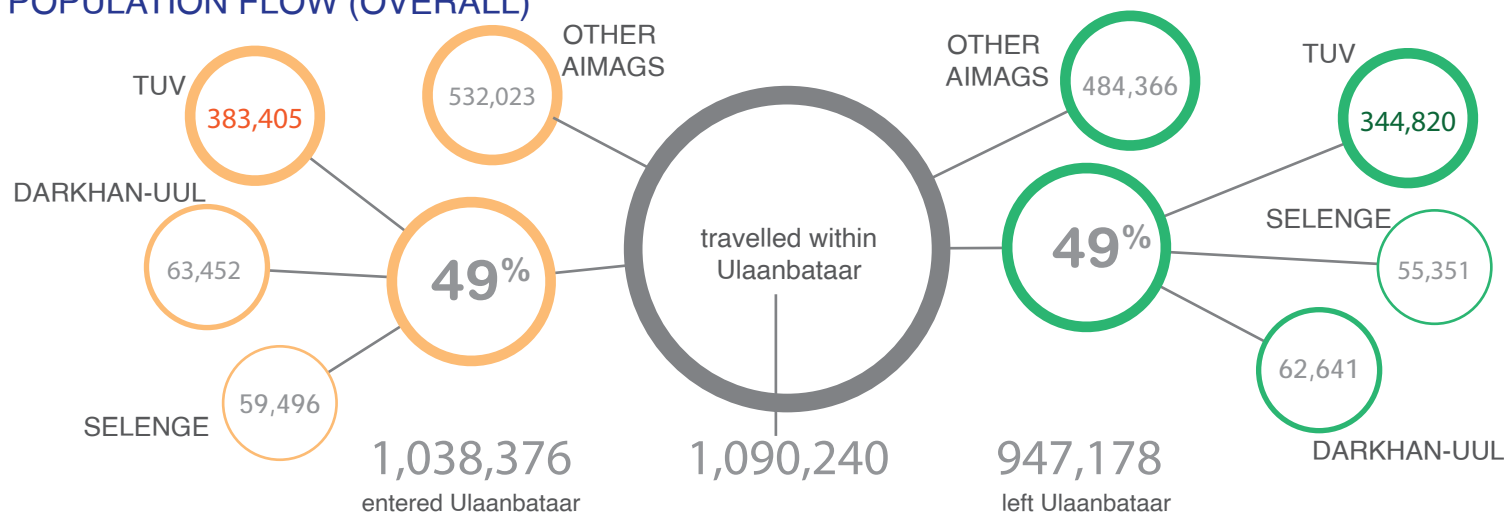
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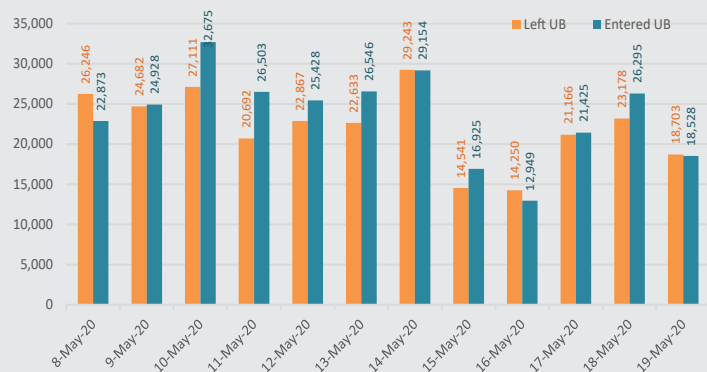
GIRLS

7%
6%

POPULATION FLOW (OVERALL)



MOVEMENT TRENDS

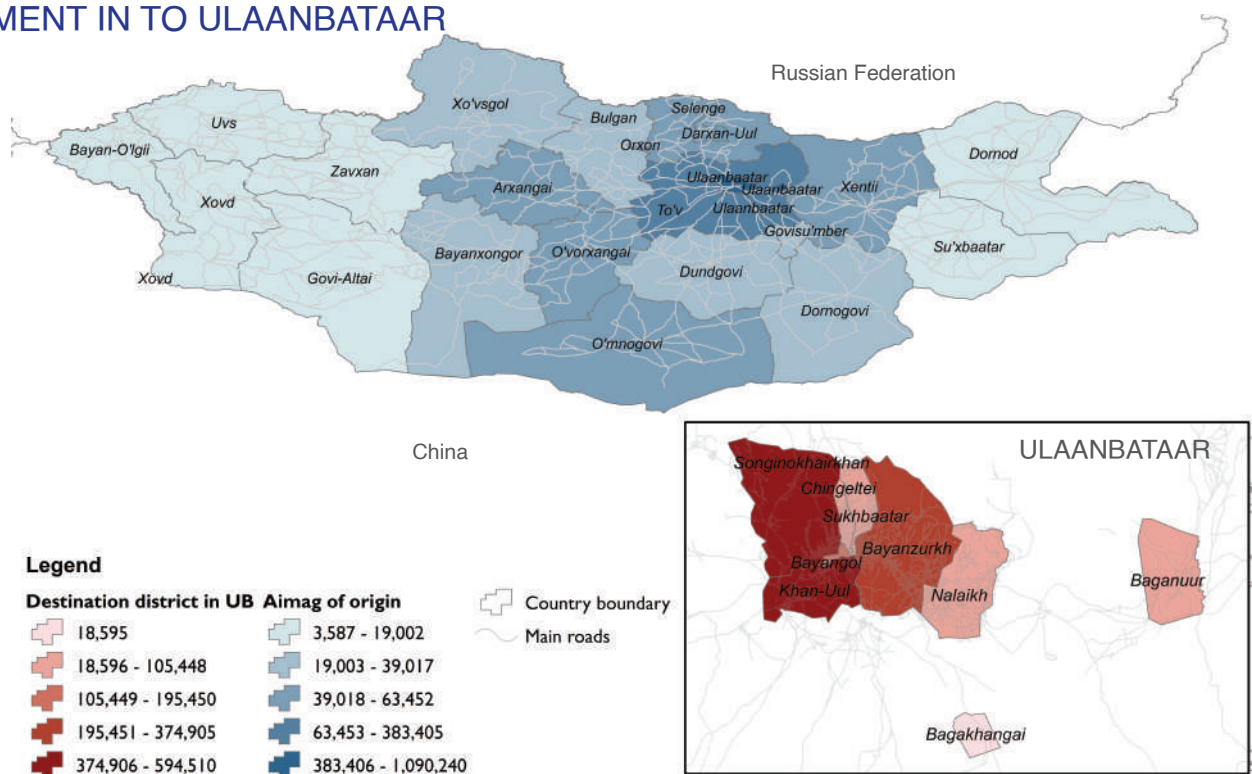


MOVEMENT THROUGH CHECKPOINTS

Checkpoint	OVERALL			19-May-20		
	TOTAL	IN	OUT	TOTAL	IN	OUT
Baruunturuun	402,017	191,320	210,697	0	0	0
Ulziit	441,060	233,143	207,917	4,264	2,123	2,141
Nalaikh	910,965	455,085	455,880	6,307	3,268	3,039
Morin	751,191	375,557	375,634	10,275	5,146	5,129
Emeelt	1,103,441	594,279	509,162	12,430	5,850	6,580
Gunt	556,300	278,786	277,514	3,955	2,141	1,814
Total	4,164,974	2,128,170	2,036,804	37,231	18,528	18,703



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

31%

31%



BOYS

9%

8%



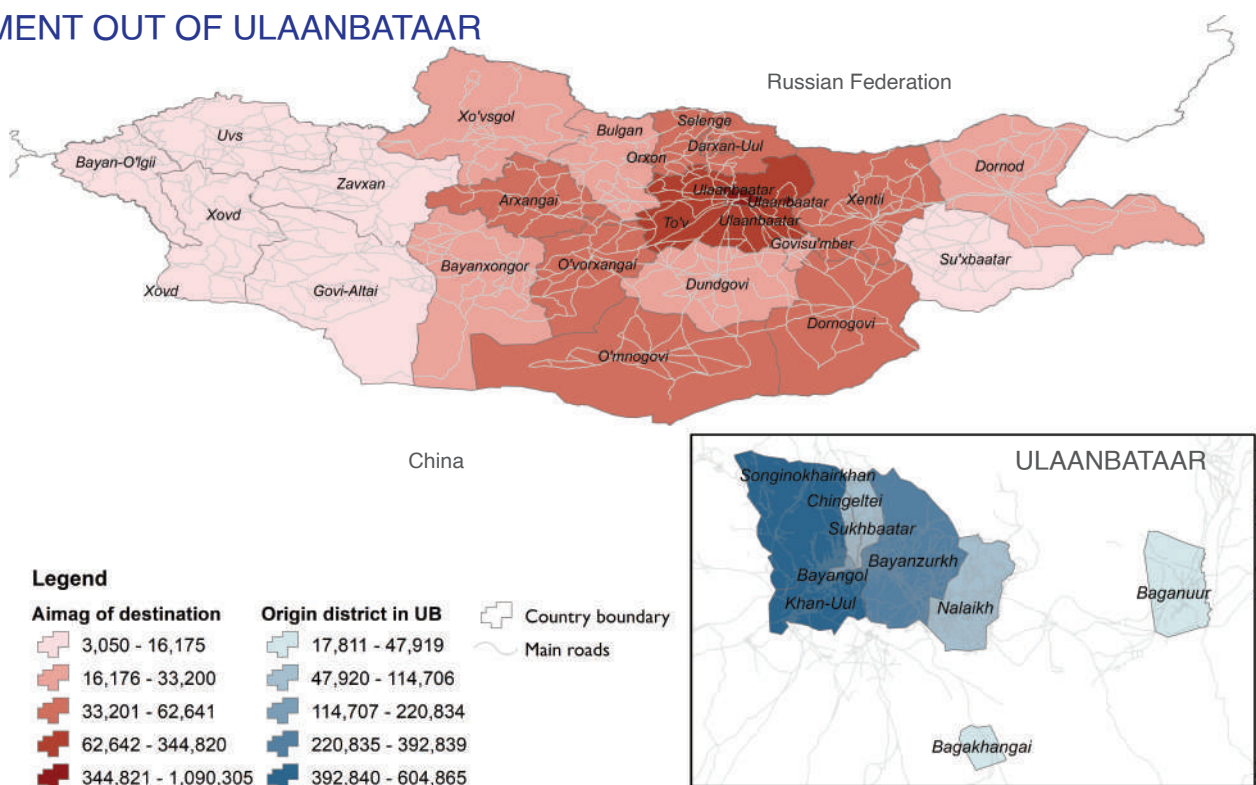
GIRLS

7%

6%

destination	?	Bagakhangai	Baganuur	Bayangol	Bayanzurkh	Chingeltei	Khan-Uul	Nalaikh	Songinokhairkhan	Sukhbaatar	TOTAL
Ulaanbaatar	6,333	16,757	44,169	64,070	128,209	52,139	358,455	63,503	313,377	43,228	1,090,240
Arkhangai	245	34	82	8,649	10,948	3,732	5,468	233	18,814	2,956	51,161
Bayankhongor	138	25	72	3,280	5,013	1,595	2,637	191	10,043	1,697	24,691
Bayan-Ulgii	23	5	1	450	799	165	177	51	1,639	277	3,587
Bulgan	242	27	73	6,792	9,124	2,818	4,927	126	12,475	2,413	39,017
Darkhan-Uul	317	61	180	9,580	11,731	3,141	6,910	384	27,236	3,912	63,452
Dornod	141	37	21	1,918	9,650	1,225	2,153	152	2,071	1,634	19,002
Dornogobi	403	62	138	6,470	14,606	1,921	4,471	619	4,466	2,898	36,054
Dundgobi	245	22	113	4,929	12,243	1,969	6,410	232	6,260	2,580	35,003
Gobi-Altai	51	30	39	1,234	2,216	594	1,056	51	4,903	624	10,798
Gobisumber	333	28	161	3,679	13,309	1,070	2,557	547	2,325	1,742	25,751
Khentii	308	54	49	4,403	27,417	2,535	4,200	570	4,276	3,408	47,220
Khovd	14	2	12	1,079	1,949	443	1,101	58	5,369	394	10,421
Khuvsgul	139	35	113	4,177	6,114	1,827	2,975	169	10,842	1,871	28,262
Orkhon	228	5	142	9,003	9,986	2,219	6,397	257	14,440	2,961	45,638
Selenge	228	46	239	13,893	13,681	4,132	6,978	450	15,641	4,208	59,496
Sukhbaatar	109	44	52	1,466	9,092	877	1,405	200	1,359	1,196	15,800
Tuv	2,253	340	1,417	56,698	82,574	25,857	66,875	12,263	107,686	27,442	383,405
Umnugobi	228	11	181	6,336	11,836	2,202	11,793	292	10,043	2,891	45,813
Uvurkhangai	294	65	146	8,267	12,135	3,266	7,638	285	23,446	3,284	58,826
Zavkhan	83	50	29	2,610	4,526	998	1,878	90	4,526	1,232	17,668
Uvs	38	11	21	1,336	2,511	581	1,179	108	5,201	531	11,517
?	98	30	480	646	1,531	209	846	418	1,165	371	5,794
TOTAL	12,491	17,781	47,930	220,965	401,200	115,515	508,486	81,249	609,249	113,750	2,128,616

MOVEMENT OUT OF ULAANBATAAR



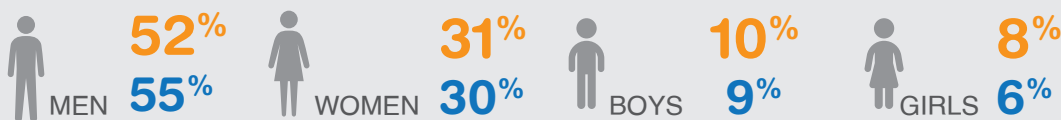
Legend

Aimags of destination	Origin district in UB	Country boundary	Main roads
3,050 - 16,175	17,811 - 47,919	[Symbol]	[Symbol]
16,176 - 33,200	47,920 - 114,706	[Symbol]	[Symbol]
33,201 - 62,641	114,707 - 220,834	[Symbol]	[Symbol]
62,642 - 344,820	220,835 - 392,839	[Symbol]	[Symbol]
344,821 - 1,090,305	392,840 - 604,865	[Symbol]	[Symbol]

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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	403	48	8,740	82	6,273	2,896	4,327	210	15,809	2,705	41,493
Bayankhongor	117	27	3,813	93	2,884	1,264	2,286	127	9,136	1,462	21,209
Bayan-Ulgii	2	-	740	-	494	147	179	27	1,279	182	3,050
Bulgan	308	3	7,167	63	5,437	2,280	3,925	81	11,110	2,027	32,401
Darkhan-Uul	235	39	10,077	169	8,230	3,049	6,108	440	30,357	3,937	62,641
Dornod	160	25	10,950	51	1,888	1,173	2,107	343	1,828	1,516	20,041
Dornogobi	410	23	16,365	248	6,714	2,303	5,185	511	4,445	2,690	38,894
Dundgobi	148	23	11,527	146	4,248	1,765	6,158	190	6,425	2,570	33,200
Gobi-Altai	31	9	1,725	52	953	488	977	85	4,611	532	9,463
Gobisumber	248	30	12,640	146	3,205	1,057	2,407	480	2,257	1,417	23,887
Khentii	327	64	27,508	81	4,157	2,280	3,766	674	3,658	3,235	45,750
Khovd	31	3	1,640	15	965	306	829	64	4,098	405	8,356
Khuvsgul	106	11	4,630	38	3,023	1,326	2,416	99	9,491	1,457	22,597
Orkhon	205	13	8,133	169	7,638	2,137	5,614	222	14,998	2,507	41,636
Selenge	158	36	11,677	248	12,508	3,753	6,248	518	16,360	3,845	55,351
Sukhbaatar	148	27	9,551	76	1,288	775	1,378	164	1,348	1,420	16,175
Tuv	1,889	245	76,879	1,500	49,067	23,385	59,668	11,074	96,406	24,707	344,820
Umnugobi	123	37	12,466	209	6,353	2,691	11,965	310	10,287	3,578	48,019
Uvs	62	8	1,897	27	1,122	450	1,006	67	3,902	567	9,108
Uvurkhangai	278	53	8,911	141	6,906	2,573	6,033	178	19,803	2,743	47,619
Zavkhan	70	17	3,477	29	2,086	877	1,610	112	5,933	843	15,054
?	341	33	1,436	107	636	305	1,229	582	1,312	433	6,414
TOTAL	5,800	774	251,949	3,690	136,075	57,280	135,421	16,558	274,853	64,778	947,178