DTM

MONGOLIA : COVID-19 PREPAREDNESS
FLOW MONITORING AT MAJOR CHECKPOINTS OF ULAANBAATAR
(Data collected: 08:00 hrs Feb 27th - 24:00 hrs March 06th, 2020)

SITREP # 9
07-Mar-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 National 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 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 March 24th, 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

260,851
cumulative movements tracked by DTM flow monitoring points (FMP)

47,655
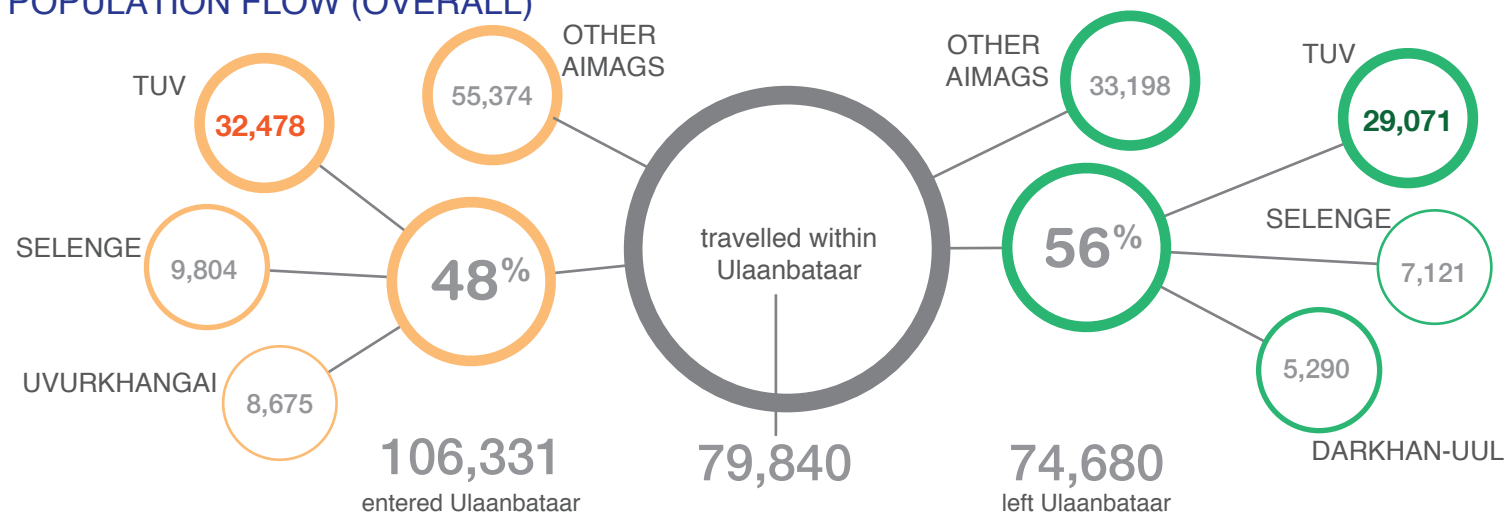Movements tracked in the past 24 hrs

172,139
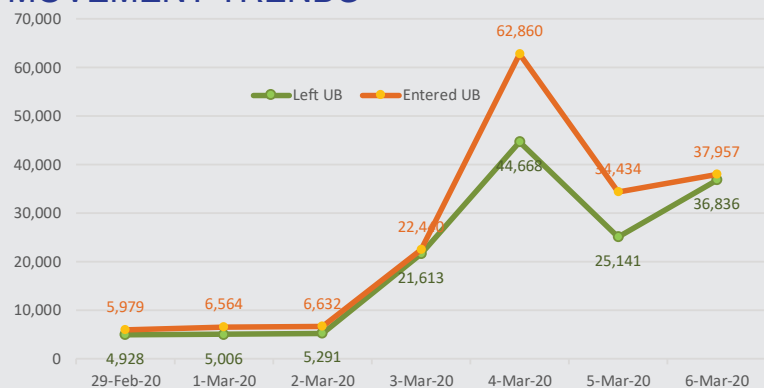Movements tracked from the day of lifting of movement restrictions

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

	Overall	Past 24 hrs
MEN	48%	46%
WOMEN	31%	31%
BOYS	11%	12%
GIRLS	10%	10%

POPULATION FLOW (OVERALL)

TUV **32,478**
OTHER AIMAGS 55,374
SELENGE 9,804
UVURKHANGAI 8,675
48%

travelled within Ulaanbataar
79,840

OTHER AIMAGS 33,198
56%
TUV **29,071**
SELENGE 7,121
DARKHAN-UUL 5,290

106,331 entered Ulaanbataar

74,680 left Ulaanbataar

MOVEMENT TRENDS

Date	Left UB	Entered UB
29-Feb-20	4,928	5,979
1-Mar-20	5,006	6,564
2-Mar-20	5,291	6,632
3-Mar-20	21,613	22,4??
4-Mar-20	44,668	62,860
5-Mar-20	25,141	34,434
6-Mar-20	36,836	37,957

MOVEMENT THROUGH CHECKPOINTS

Checkpoint	OVERALL			5-Mar-20		
	TOTAL	IN	OUT	TOTAL	IN	OUT
Emeelt	80,454	53,747	26,707	20,060	12,869	7,191
Baruunturuun	48,914	25,441	23,473	21,177	9,679	11,498
Nalaikh	46,860	24,979	21,881	13,621	6,051	7,570
Gunt	32,493	17,262	15,231	2,647	1,397	1,250
Ulziit	31,227	16,231	14,996	6,976	2,855	4,121
Morin	30,336	15,396	14,940	10,312	5,106	5,206
Total	270,284	153,056	117,228	74,793	37,957	36,836

Please note that because of the intense movement this data might not reflect the total number of vehicles which passed the checkpoints in the report timeframe. The trends outlined in the report are valid and provide important insights for preparedness and response to COVID-19.

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MOVEMENT IN TO ULAANBATAAR
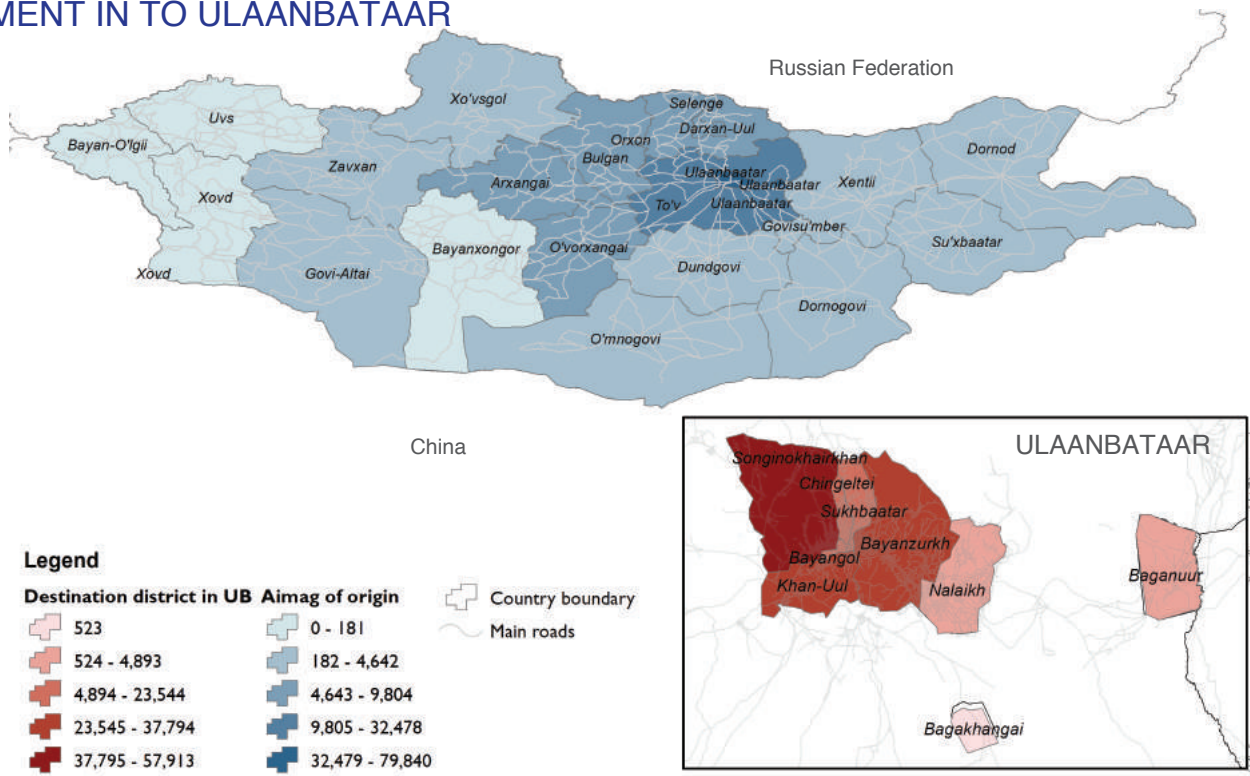
Russian Federation

China

ULAANBATAAR

Legend

Destination district in UB
- 523
- 524 - 4,893
- 4,894 - 23,544
- 23,545 - 37,794
- 37,795 - 57,913

Aimag of origin
- 0 - 181
- 182 - 4,642
- 4,643 - 9,804
- 9,805 - 32,478
- 32,479 - 79,840

- Country boundary
- Main roads

The boundaries and names shown and the designation used on this map do not imply official endorsement or acceptance
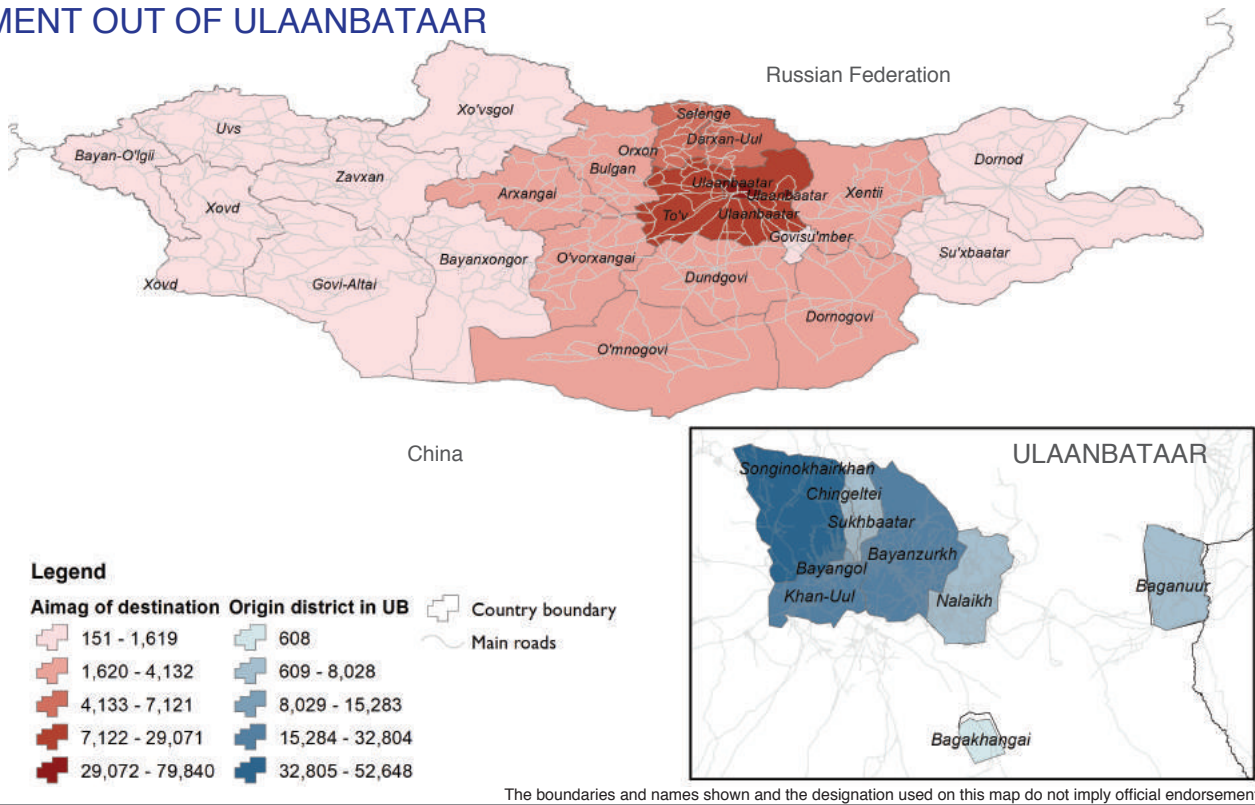
DEMOGRAPHICS
XX% - Overall
XX% - Past 24 hrs

	MEN	WOMEN	BOYS	GIRLS
Overall	48%	32%	11%	9%
Past 24 hrs	45%	32%	12%	10%
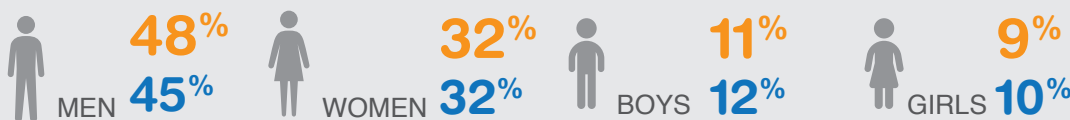
Aimag of origin \ UB district of destination	?	Bagakhangai	Baganuur	Bayangol	Bayanzurkh	Chingeltei	Khan-Uul	Nalaikh	Songinokhairkhan	Sukhbaatar	TOTAL
Ulaanbaatar	119	443	2,355	5,566	9,405	3,222	21,608	3,979	29,727	3,416	79,840
Arkhangai	23	1	13	1,426	1,984	585	858	45	2,374	564	7,873
Bayankhongor	-	-	-	17	24	15	8	-	101	9	174
Bayan-Ulgii	4	-	-	39	43	-	11	-	43	41	181
Bulgan	24	13	16	1,066	1,450	370	715	34	1,453	384	5,525
Darkhan-Uul	11	8	14	1,515	1,985	598	1,060	76	2,438	656	8,361
Dornod	1	-	-	237	918	156	165	-	291	232	2,000
Dornogobi	12	-	3	426	852	105	178	10	270	203	2,059
Dundgobi	16	-	-	478	1,033	200	666	-	703	260	3,356
Gobi-Altai	4	4	19	263	433	110	157	3	442	134	1,569
Gobisumber	12	-	7	282	943	95	179	2	188	181	1,889
Khentii	3	-	11	485	2,630	319	315	4	409	466	4,642
Khovd	-	-	-	13	10	-	7	-	111	1	142
Khuvsgul	12	12	38	982	1,197	283	478	14	1,179	363	4,558
Orkhon	13	-	8	1,064	1,640	326	965	47	1,471	531	6,065
Selenge	43	2	50	2,168	2,393	793	1,056	71	2,404	824	9,804
Sukhbaatar	2	-	5	184	895	74	87	2	119	132	1,500
Tuv	73	42	101	5,060	7,002	2,712	4,661	176	10,205	2,446	32,478
Umnugobi	12	-	8	401	607	83	605	12	603	153	2,484
Uvurkhangai	38	-	40	1,560	1,984	513	1,283	67	2,637	553	8,675
Zavkhan	10	-	4	501	821	181	365	7	593	218	2,700
?	6	3	-	57	69	6	25	-	95	35	296
TOTAL	438	528	2,692	23,790	38,318	10,746	35,452	4,549	57,856	11,802	186,171

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MOVEMENT OUT OF ULAANBATAAR

Russian Federation

China

ULAANBATAAR

Legend

Aimag of destination
- 151 - 1,619
- 1,620 - 4,132
- 4,133 - 7,121
- 7,122 - 29,071
- 29,072 - 79,840

Origin district in UB
- 608
- 609 - 8,028
- 8,029 - 15,283
- 15,284 - 32,804
- 32,805 - 52,648

- 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

50% / 49%   29% / 29%   12% / 12%   10% / 10%

Aimag of destination \ UB District of origin	?	Bagakhangai	Bayanzurkh	Baganuur	Bayangol	Chingeltei	Khan-Uul	Nalaikh	Songinokhairkhan	Sukhbaatar	TOTAL
Arkhangai	78	-	495	3	379	235	243	16	1,128	140	2,717
Bayankhongor	46	-	199	41	198	69	144	5	418	53	1,173
Bayan-Ulgii	-	-	61	-	45	-	7	-	23	15	151
Bulgan	73	-	480	12	370	185	282	16	796	137	2,351
Darkhan-Uul	24	-	1,033	30	854	361	577	55	1,963	393	5,290
Dornod	5	-	783	-	161	136	167	-	203	137	1,592
Dornogobi	30	-	1,309	10	513	234	305	-	311	210	2,922
Dundgobi	7	-	751	5	293	129	315	14	471	188	2,173
Gobi-Altai	13	-	59	11	32	29	58	6	155	55	418
Gobisumber	5	-	814	10	228	91	146	-	209	116	1,619
Khentii	7	4	2,057	6	407	240	293	-	299	271	3,584
Khovd	2	-	86	-	31	13	74	23	109	19	357
Khuvsgul	12	-	292	3	229	64	150	-	411	80	1,241
Orkhon	21	6	908	33	590	268	514	34	1,490	268	4,132
Selenge	10	3	1,633	62	1,300	448	813	139	2,159	554	7,121
Sukhbaatar	-	-	606	2	95	77	107	-	97	89	1,073
Tuv	233	26	5,979	93	4,014	2,234	4,605	160	9,592	2,135	29,071
Umnugobi	6	-	897	23	456	262	712	19	713	274	3,362
Uvs	15	-	59	-	26	31	40	5	156	31	363
Uvurkhangai	71	-	649	10	461	194	323	11	1,038	215	2,972
Zavkhan	14	-	150	7	73	27	80	4	284	34	673
?	12	-	59	6	13	29	28	5	166	7	325
TOTAL	**684**	**39**	**19,359**	**367**	**10,768**	**5,356**	**9,983**	**512**	**22,191**	**5,421**	**74,680**

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