DTM
MONGOLIA : COVID-19 PREPAREDNESS
FLOW MONITORING AT MAJOR CHECKPOINTS OF ULAANBAATAR
(Data collected: 08:00 hrs Feb 27th - 24:00 hrs May 26th, 2020)

SITREP # 89
27-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

3,319,132
cumulative movements tracked by DTM flow monitoring points (FMP)

33,367 ▼
Movements tracked in the past 24 hrs

13,110 (R)
41,604 (N)
Average movement per day during restricted (R) and unrestricted (N) periods

DEMOGRAPHICS

XX% - Overall
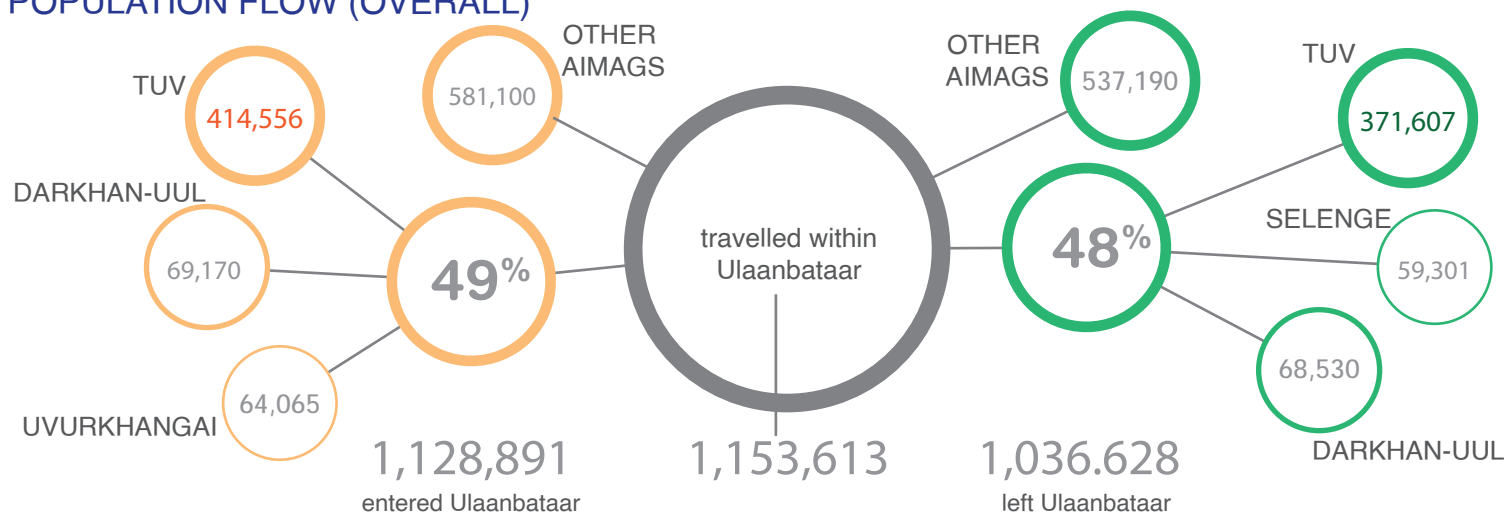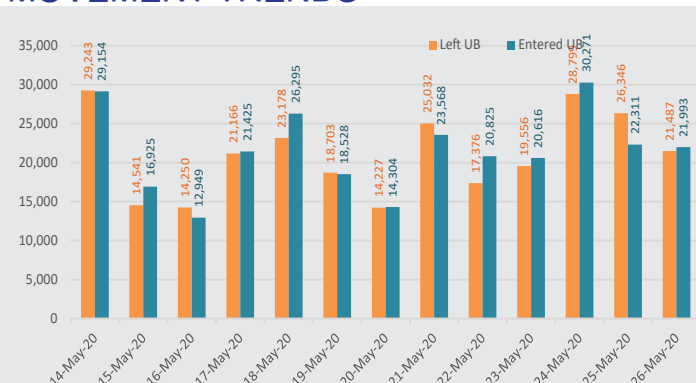XX% - Past 24 hrs

MEN **52%** / **52%**

WOMEN **31%** / **32%**

BOYS **9%** / **9%**

GIRLS **7%** / **6%**

POPULATION FLOW (OVERALL)

TUV 414,556
OTHER AIMAGS 581,100
DARKHAN-UUL 69,170
UVURKHANGAI 64,065

49%

travelled within Ulaanbataar

48%

OTHER AIMAGS 537,190
TUV 371,607
SELENGE 59,301
DARKHAN-UUL 68,530

1,128,891 entered Ulaanbataar

1,153,613

1,036.628 left Ulaanbataar

MOVEMENT TRENDS

Legend: ■ Left UB ■ Entered UB

Date	Left UB	Entered UB
14-May-20	29,243	29,154
15-May-20	14,541	16,925
16-May-20	14,250	12,949
17-May-20	21,166	21,425
18-May-20	23,178	26,295
19-May-20	18,703	18,528
20-May-20	14,227	14,304
21-May-20	25,032	23,568
22-May-20	17,376	20,825
23-May-20	19,556	20,616
24-May-20	28,795	30,271
25-May-20	26,346	22,311
26-May-20	21,487	21,993

MOVEMENT THROUGH CHECKPOINTS

Checkpoint	OVERALL			26-May-20		
	TOTAL	IN	OUT	TOTAL	IN	OUT
Baruunturuun	402,017	191,320	210,697	0	0	0
Ulziit	468,914	248,033	220,881	5,512	2,888	2,624
Nalaikh	984,127	490,393	493,734	6,643	3,174	3,469
Morin	794,287	397,156	397,131	13,043	6,532	6,511
Emeelt	1,183,683	634,678	549,005	14,960	8,062	6,898
Gunt	595,177	298,485	296,692	3,322	1,337	1,985
Total	4,428,205	2,260,065	2,168,140	43,480	21,993	21,487

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MOVEMENT IN TO ULAANBATAAR
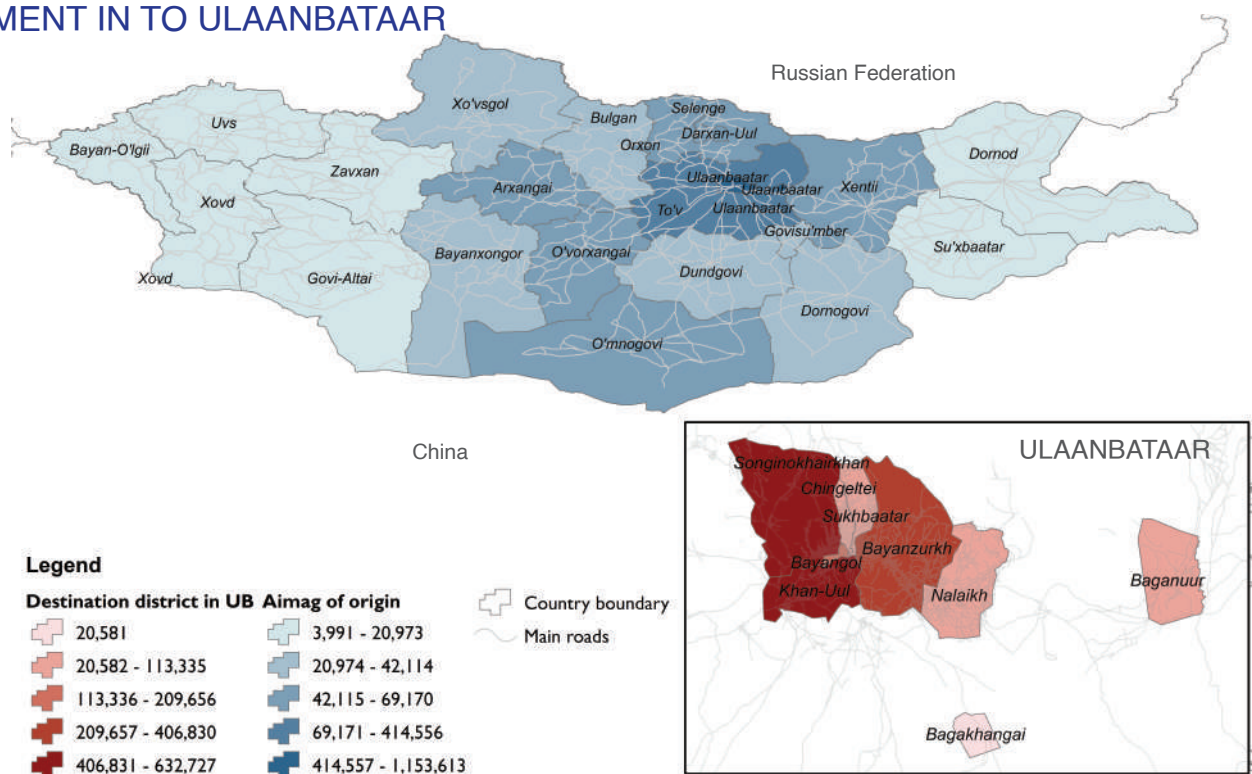
Russian Federation

China

ULAANBATAAR

Legend

Destination district in UB
- 20,581
- 20,582 - 113,335
- 113,336 - 209,656
- 209,657 - 406,830
- 406,831 - 632,727

Aimag of origin
- 3,991 - 20,973
- 20,974 - 42,114
- 42,115 - 69,170
- 69,171 - 414,556
- 414,557 - 1,153,613

Country boundary
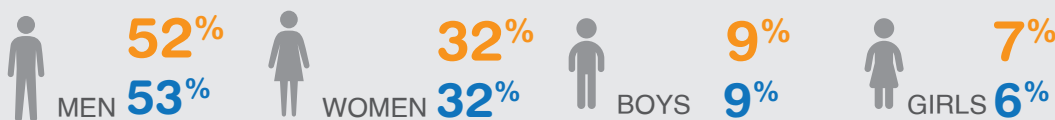Main roads

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

DEMOGRAPHICS
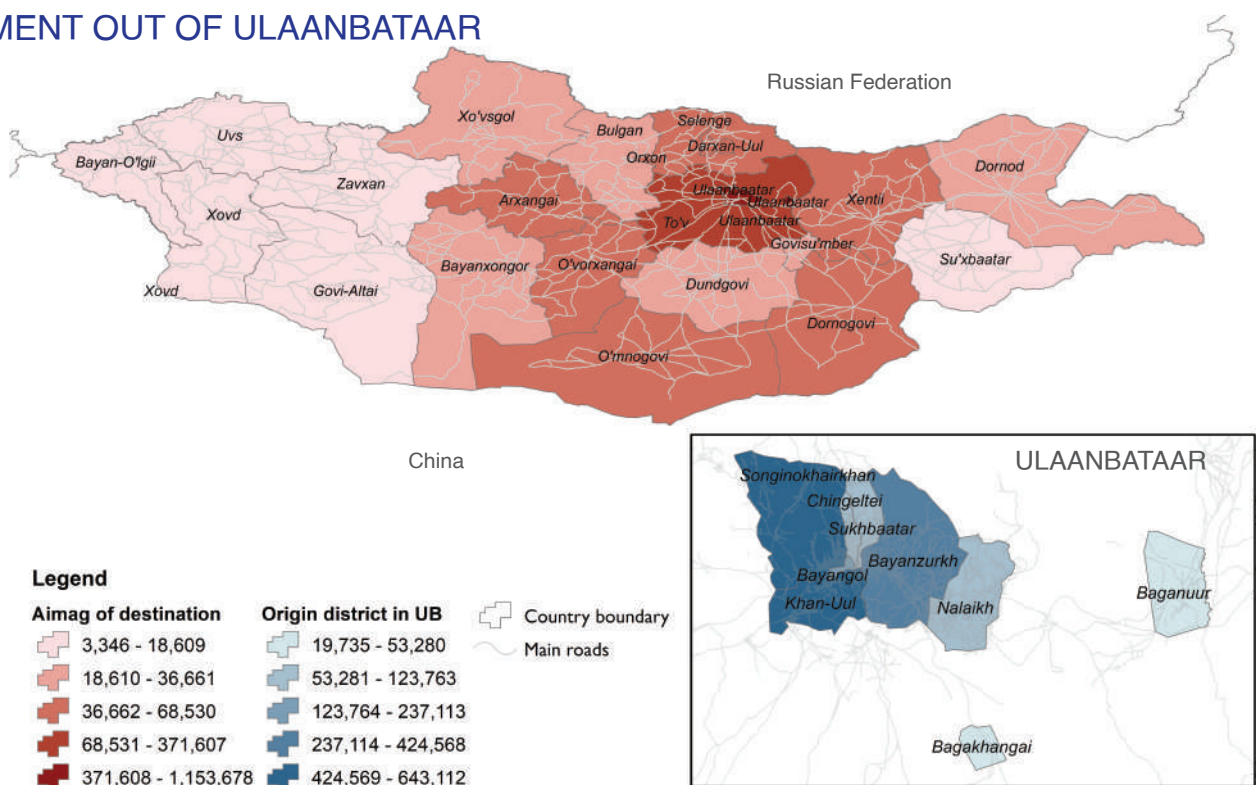XX% - Overall
XX% - Past 24 hrs

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

of destination	?	Bagakhangai	Baganuur	Bayangol	Bayanzurkh	Chingeltei	Khan-Uul	Nalaikh	Songinokhairkhan	Sukhbaatar	TOTAL
Ulaanbaatar	6,662	18,609	49,154	67,206	135,319	55,801	383,461	64,464	327,141	45,796	1,153,613
Arkhangai	262	34	82	9,305	11,652	3,970	5,961	248	20,818	3,164	55,496
Bayankhongor	149	25	74	3,535	5,627	1,734	2,879	213	11,236	1,832	27,304
Bayan-Ulgii	23	5	1	474	855	175	195	51	1,918	294	3,991
Bulgan	257	28	83	7,332	9,801	3,028	5,309	140	13,600	2,536	42,114
Darkhan-Uul	339	67	186	10,349	12,538	3,428	7,456	429	30,120	4,258	69,170
Dornod	141	37	23	2,113	10,774	1,349	2,375	162	2,206	1,793	20,973
Dornogobi	423	69	178	7,415	16,162	2,175	5,139	706	4,781	3,200	40,248
Dundgobi	269	22	118	5,439	13,411	2,188	7,097	241	7,016	2,843	38,644
Gobi-Altai	51	30	39	1,307	2,436	643	1,151	51	5,271	651	11,630
Gobisumber	347	32	174	4,057	14,590	1,165	2,818	600	2,560	1,864	28,207
Khentii	321	56	56	4,902	30,684	2,811	4,632	642	4,734	3,814	52,652
Khovd	18	2	20	1,186	2,064	484	1,142	58	5,956	417	11,347
Khuvsgul	145	35	117	4,472	6,559	1,926	3,147	183	11,888	1,963	30,435
Orkhon	255	7	142	9,786	10,658	2,397	6,884	274	15,831	3,112	49,346
Selenge	239	46	250	14,832	14,581	4,461	7,510	459	16,695	4,549	63,622
Sukhbaatar	114	44	74	1,613	10,055	977	1,586	230	1,566	1,367	17,626
Tuv	2,351	381	1,581	60,702	89,909	27,867	72,186	14,293	115,824	29,462	414,556
Umnugobi	244	12	198	6,897	12,922	2,340	12,963	304	10,808	3,120	49,808
Uvurkhangai	328	65	146	8,841	12,959	3,603	8,212	323	26,006	3,582	64,065
Zavkhan	89	50	29	2,793	4,783	1,068	2,053	90	6,841	1,290	19,086
Uvs	40	11	27	1,406	2,712	608	1,229	116	5,737	563	12,449
?	101	30	480	677	1,563	220	984	425	1,250	392	6,122
TOTAL	13,168	19,697	53,232	236,639	432,614	124,418	546,369	84,702	649,803	121,862	2,282,504

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
- 3,346 - 18,609
- 18,610 - 36,661
- 36,662 - 68,530
- 68,531 - 371,607
- 371,608 - 1,153,678

Origin district in UB
- 19,735 - 53,280
- 53,281 - 123,763
- 123,764 - 237,113
- 237,114 - 424,568
- 424,569 - 643,112

Country boundary
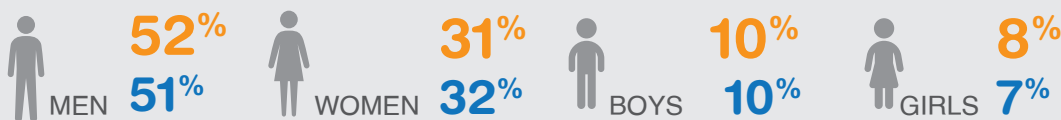Main roads

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DEMOGRAPHICS
XX% - Overall
XX% - Past 24 hrs

MEN 52% / 51%

WOMEN 31% / 32%

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	424	57	9,599	93	6,938	3,178	4,783	256	17,581	2,957	45,866
Bayankhongor	123	27	4,255	96	3,162	1,428	2,628	138	10,094	1,600	23,551
Bayan-Ulgii	4	-	817	-	519	170	198	29	1,401	208	3,346
Bulgan	327	3	7,801	71	5,874	2,442	4,351	91	12,141	2,218	35,319
Darkhan-Uul	255	45	10,902	203	9,069	3,303	6,761	490	33,060	4,442	68,530
Dornod	166	33	12,565	56	2,218	1,292	2,440	419	1,994	1,714	22,897
Dornogobi	419	33	18,290	287	7,476	2,528	5,778	626	4,790	2,938	43,165
Dundgobi	155	23	12,780	157	4,615	1,913	6,971	205	7,040	2,802	36,661
Gobi-Altai	40	13	1,873	66	1,046	535	1,039	89	5,198	585	10,484
Gobisumber	249	44	13,977	161	3,530	1,178	2,703	572	2,505	1,565	26,484
Khentii	341	67	31,396	81	4,716	2,606	4,379	874	4,118	3,727	52,305
Khovd	31	5	1,838	19	1,036	351	943	76	4,598	484	9,381
Khuvsgul	106	11	5,118	43	3,390	1,463	2,659	105	10,482	1,629	25,006
Orkhon	209	16	8,817	180	8,401	2,281	6,094	246	16,236	2,758	45,238
Selenge	192	41	12,574	260	13,419	4,125	6,664	527	17,341	4,158	59,301
Sukhbaatar	148	29	10,939	82	1,498	894	1,611	264	1,547	1,597	18,609
Tuv	2,021	285	83,393	1,647	52,306	25,148	64,783	12,774	102,805	26,445	371,607
Umnugobi	125	38	13,375	233	6,841	2,868	13,220	333	11,192	3,793	52,018
Uvs	65	10	2,075	33	1,262	564	1,179	79	4,362	649	10,278
Uvurkhangai	294	59	9,782	152	7,545	2,842	6,675	226	21,773	3,114	52,462
Zavkhan	77	17	3,856	29	2,303	938	1,756	115	6,679	962	16,732
?	363	33	1,604	107	751	372	1,345	585	1,750	478	7,388
TOTAL	6,134	889	277,626	4,056	147,915	62,419	148,960	19,119	298,687	70,823	1,036,628