DTM

MONGOLIA : COVID-19 PREPAREDNESS
FLOW MONITORING AT MAJOR CHECKPOINTS OF ULAANBAATAR
(Data collected: 08:00 hrs Feb 27th - 24:00 hrs May 21th, 2020)

SITREP # 84
22-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

3,138,638
cumulative movements tracked by DTM flow monitoring points (FMP)

37,741 ▲
Movements tracked in the past 24 hrs

13,110 (R)
42,003 (N)
Average movement per day during restricted (R) and unrestricted (N) periods

DEMOGRAPHICS

XX% - Overall
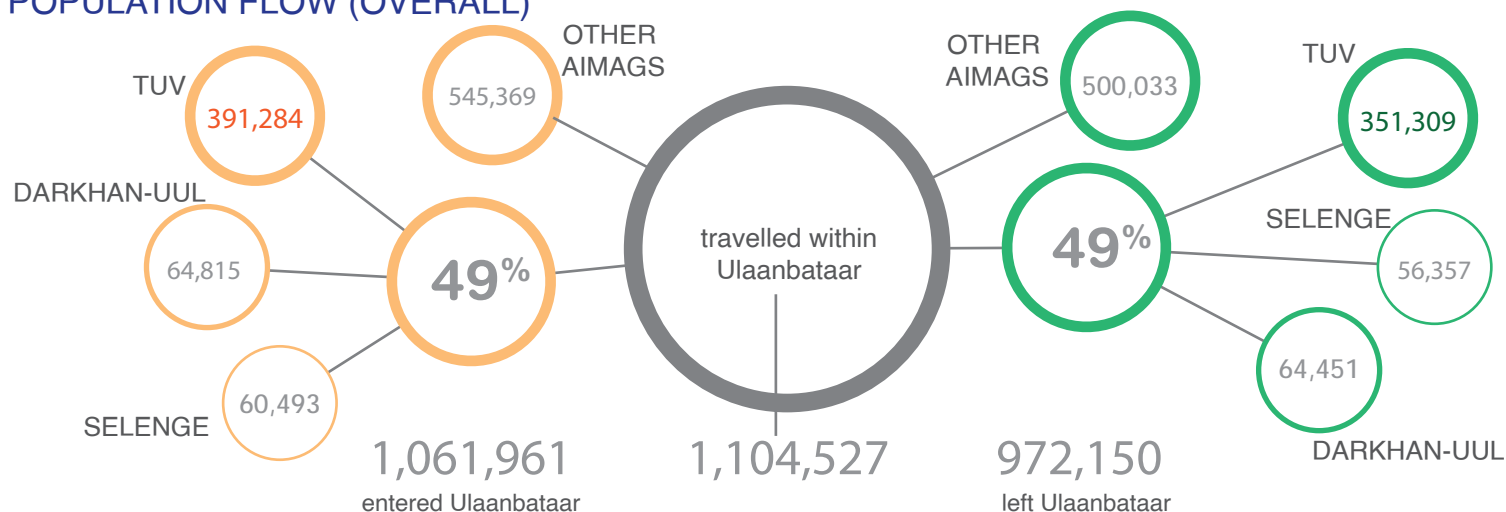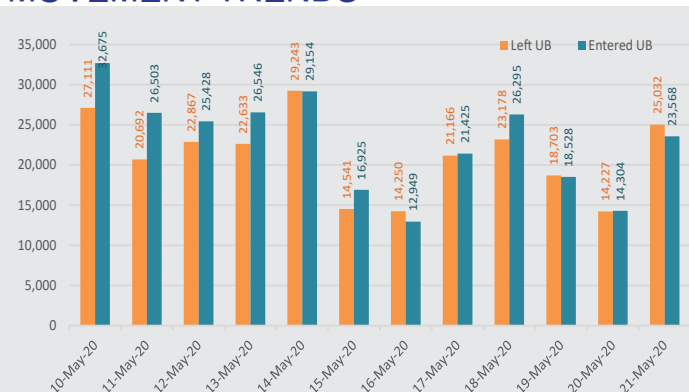XX% - Past 24 hrs

MEN **52%** / **53%**
WOMEN **31%** / **31%**
BOYS **9%** / **9%**
GIRLS **7%** / **6%**

POPULATION FLOW (OVERALL)

TUV **391,284**
OTHER AIMAGS 545,369
DARKHAN-UUL 64,815
SELENGE 60,493
49%

travelled within Ulaanbataar

OTHER AIMAGS 500,033
TUV **351,309**
SELENGE 56,357
DARKHAN-UUL 64,451
49%

1,061,961
entered Ulaanbataar

1,104,527

972,150
left Ulaanbataar

MOVEMENT TRENDS

Left UB / Entered UB

Date	Left UB	Entered UB
10-May-20	27,111	32,675
11-May-20	20,692	26,503
12-May-20	22,867	25,428
13-May-20	22,633	26,546
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

MOVEMENT THROUGH CHECKPOINTS

Checkpoint	OVERALL			21-May-20		
	TOTAL	IN	OUT	TOTAL	IN	OUT
Baruunturuun	402,017	191,320	210,697	0	0	0
Ulziit	449,557	238,223	211,334	4,574	2,266	2,308
Nalaikh	935,759	467,281	468,478	11,477	5,754	5,723
Morin	763,607	381,757	381,850	11,962	5,973	5,989
Emeelt	1,126,932	604,700	522,232	14,500	6,426	8,074
Gunt	564,233	282,761	281,472	6,087	3,149	2,938
Total	4,242,105	2,166,042	2,076,063	48,600	23,568	25,032

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MOVEMENT IN TO ULAANBATAAR
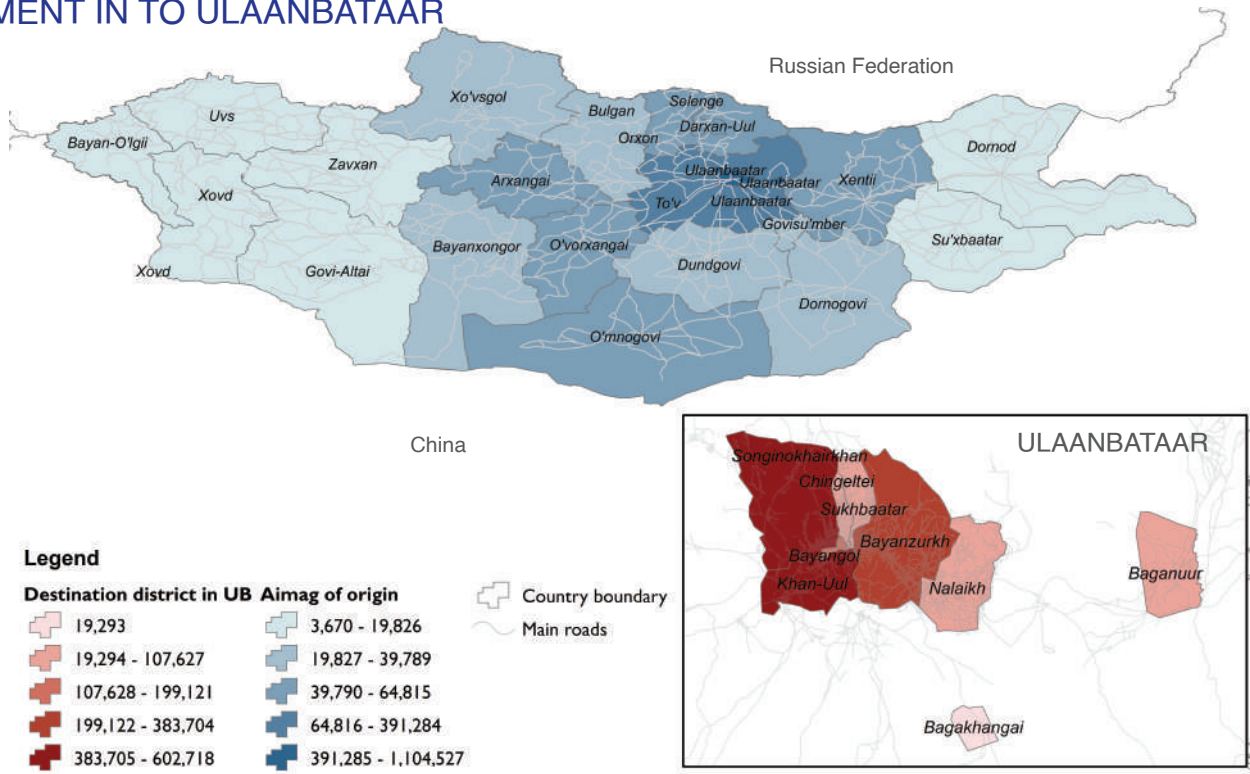
Russian Federation

China

ULAANBATAAR

Legend

Destination district in UB
- 19,293
- 19,294 - 107,627
- 107,628 - 199,121
- 199,122 - 383,704
- 383,705 - 602,718

Aimag of origin
- 3,670 - 19,826
- 19,827 - 39,789
- 39,790 - 64,815
- 64,816 - 391,284
- 391,285 - 1,104,527

☐ Country boundary
Main roads

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

DEMOGRAPHICS

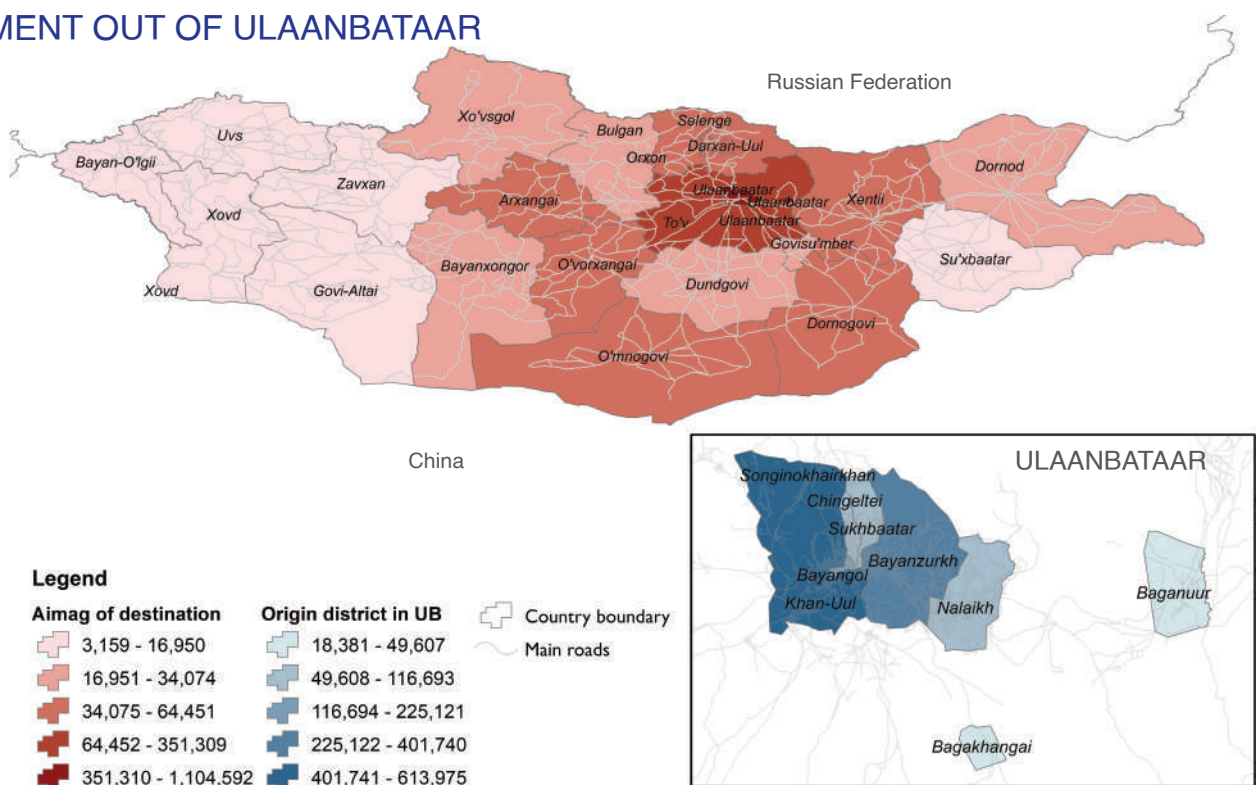XX% - Overall
XX% - Past 24 hrs

	Overall	Past 24 hrs
MEN	52%	54%
WOMEN	31%	31%
BOYS	9%	9%
GIRLS	7%	6%

of destination	?	Bagakhangai	Baganuur	Bayangol	Bayanzurkh	Chingeltei	Khan-Uul	Nalaikh	Songinokhairkhan	Sukhbaatar	TOTAL
Ulaanbaatar	6,434	17,307	45,706	64,759	129,895	52,745	364,158	63,782	316,008	43,733	1,104,527
Arkhangai	245	34	82	8,823	11,111	3,784	5,573	248	19,226	3,012	52,138
Bayankhongor	138	25	72	3,376	5,131	1,629	2,710	202	10,313	1,722	25,318
Bayan-Ulgii	23	5	1	453	815	167	178	51	1,695	282	3,670
Bulgan	252	27	73	6,966	9,285	2,880	4,990	126	12,740	2,450	39,789
Darkhan-Uul	324	61	180	9,800	11,927	3,210	7,107	390	27,791	4,025	64,815
Dornod	141	37	21	1,963	10,201	1,270	2,234	157	2,097	1,705	19,826
Dornogobi	408	69	146	6,745	15,122	2,014	4,719	645	4,585	2,991	37,444
Dundgobi	246	22	118	5,066	12,614	2,049	6,588	236	6,423	2,629	35,991
Gobi-Altai	51	30	39	1,234	2,233	601	1,073	51	4,926	635	10,873
Gobisumber	333	28	172	3,830	13,798	1,095	2,664	562	2,383	1,804	26,669
Khentii	316	56	49	4,514	28,489	2,608	4,299	589	4,384	3,493	48,797
Khovd	14	2	12	1,095	1,971	464	1,117	58	5,489	403	10,625
Khuvsgul	141	35	117	4,246	6,192	1,840	3,040	172	11,015	1,893	28,691
Orkhon	246	7	142	9,236	10,179	2,269	6,529	265	14,818	3,002	46,693
Selenge	228	46	240	14,107	13,860	4,248	7,087	450	15,948	4,279	60,493
Sukhbaatar	109	44	52	1,507	9,384	911	1,459	202	1,432	1,261	16,361
Tuv	2,288	350	1,493	57,674	84,575	26,283	68,203	13,059	109,373	27,986	391,284
Umnugobi	228	11	191	6,481	12,137	2,221	12,199	299	10,213	2,942	46,922
Uvurkhangai	298	65	146	8,465	12,335	3,389	7,811	298	23,950	3,433	60,190
Zavkhan	83	50	29	2,649	4,564	1,011	1,913	90	6,248	1,244	17,881
Uvs	38	11	21	1,355	2,543	595	1,192	110	5,242	533	11,640
?	98	30	480	657	1,544	217	846	418	1,188	373	5,851
TOTAL	12,682	18,352	49,582	225,001	409,905	117,500	517,689	82,460	617,487	115,830	2,166,488

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
- 3,159 - 16,950
- 16,951 - 34,074
- 34,075 - 64,451
- 64,452 - 351,309
- 351,310 - 1,104,592

Origin district in UB
- 18,381 - 49,607
- 49,608 - 116,693
- 116,694 - 225,121
- 225,122 - 401,740
- 401,741 - 613,975

- Country boundary
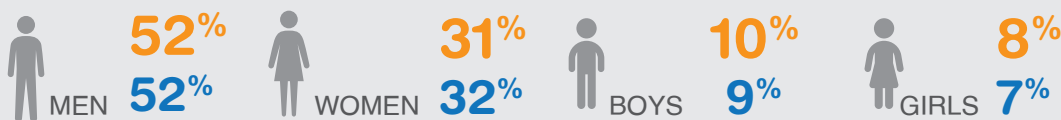- Main roads

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DEMOGRAPHICS
XX% - Overall
XX% - Past 24 hrs

MEN	WOMEN	BOYS	GIRLS
52% / 52%	31% / 32%	10% / 9%	8% / 7%

UB District of origin / Aimag of destination	?	Bagakhangai	Bayanzurkh	Baganuur	Bayangol	Chingeltei	Khan-Uul	Nalaikh	Songinokhairkhan	Sukhbaatar	TOTAL
Arkhangai	417	48	8,954	88	6,447	2,956	4,459	233	16,344	2,811	42,757
Bayankhongor	117	27	3,945	93	2,955	1,296	2,398	129	9,477	1,505	21,942
Bayan-Ulgii	4	-	768	-	505	149	188	29	1,330	186	3,159
Bulgan	315	3	7,347	64	5,594	2,331	4,056	83	11,336	2,074	33,203
Darkhan-Uul	239	39	10,305	170	8,490	3,136	6,250	453	31,301	4,068	64,451
Dornod	166	33	11,558	56	1,988	1,226	2,199	369	1,892	1,596	21,083
Dornogobi	419	27	16,965	261	6,903	2,371	5,317	528	4,528	2,752	40,071
Dundgobi	150	23	11,889	146	4,320	1,812	6,300	192	6,548	2,694	34,074
Gobi-Altai	31	13	1,779	66	1,005	508	998	89	4,840	569	9,898
Gobisumber	248	30	13,116	146	3,288	1,088	2,508	490	2,340	1,462	24,716
Khentii	336	67	28,646	81	4,332	2,390	3,936	808	3,779	3,410	47,785
Khovd	31	3	1,695	15	992	311	874	74	4,242	418	8,655
Khuvsgul	106	11	4,779	38	3,111	1,387	2,523	100	9,827	1,522	23,404
Orkhon	209	13	8,319	169	7,873	2,193	5,785	226	15,343	2,593	42,723
Selenge	183	36	11,913	248	12,745	3,827	6,349	518	16,640	3,898	56,357
Sukhbaatar	148	27	9,982	76	1,357	824	1,454	211	1,398	1,473	16,950
Tuv	1,942	252	78,534	1,542	49,908	23,733	60,727	11,626	97,866	25,179	351,309
Umnugobi	125	37	12,710	211	6,466	2,766	12,239	329	10,463	3,652	48,998
Uvs	65	8	1,937	27	1,177	479	1,038	71	4,069	584	9,455
Uvurkhangai	287	53	9,120	150	7,075	2,632	6,240	181	20,340	2,835	48,913
Zavkhan	70	17	3,593	29	2,167	899	1,648	112	6,185	859	15,579
?	354	33	1,450	107	639	305	1,240	582	1,520	438	6,668
TOTAL	5,962	800	259,304	3,783	139,337	58,619	138,726	17,433	281,608	66,578	972,150