DTM

MONGOLIA : COVID-19 PREPAREDNESS
FLOW MONITORING AT MAJOR CHECKPOINTS OF ULAANBAATAR
(Data collected: 08:00 hrs Feb 27th - 24:00 hrs April 30th, 2020)

SITREP # 63
01-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

2,381,136
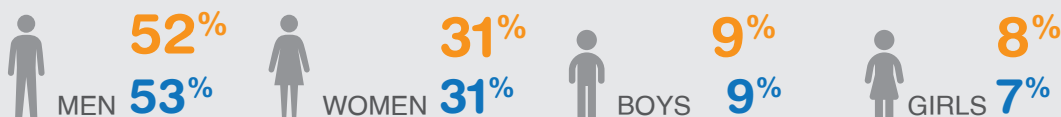cumulative movements tracked by DTM flow monitoring points (FMP)

39,392 ⬆
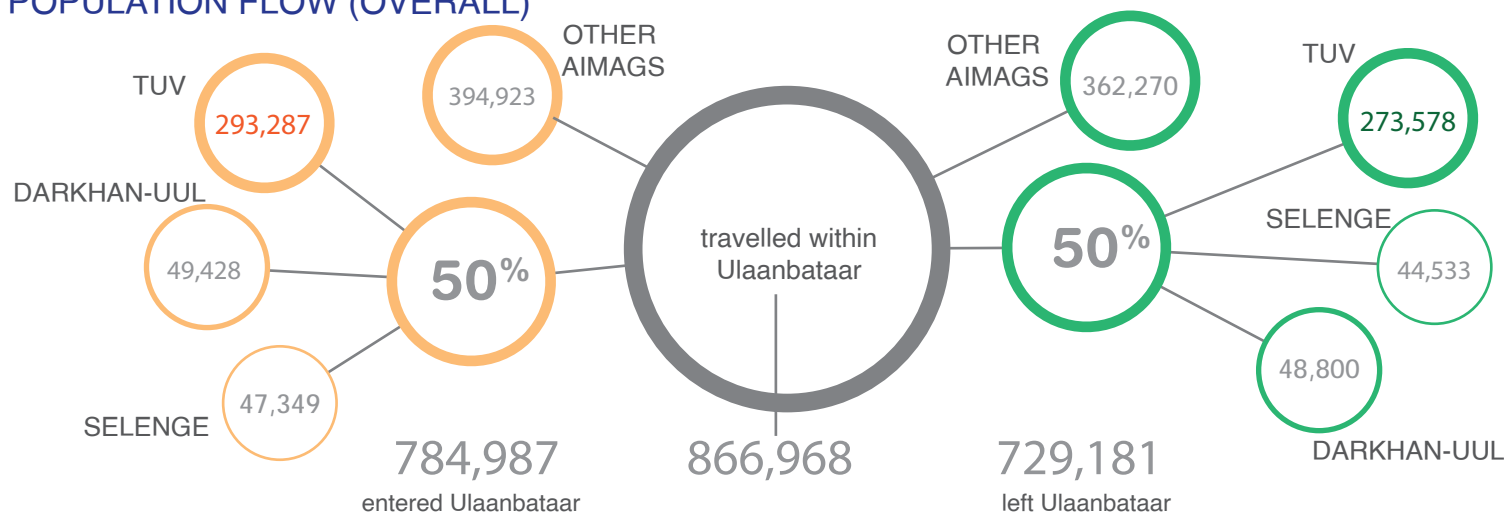Movements tracked in the past 24 hrs

10,805 (R)
43,708 (N)
Average movement per day during restricted (R) and unrestricted (N) periods
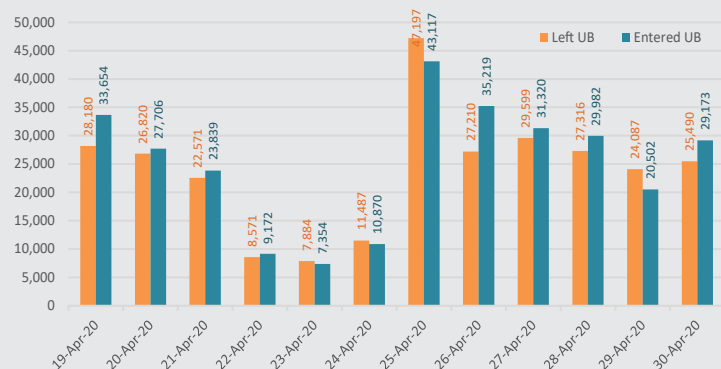
DEMOGRAPHICS

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

	MEN	WOMEN	BOYS	GIRLS
Overall	52%	31%	9%	8%
Past 24 hrs	53%	31%	9%	7%

POPULATION FLOW (OVERALL)

50% (entered)
TUV 293,287
OTHER AIMAGS 394,923
DARKHAN-UUL 49,428
SELENGE 47,349

travelled within Ulaanbataar

50% (left)
OTHER AIMAGS 362,270
TUV 273,578
SELENGE 44,533
DARKHAN-UUL 48,800

784,987 entered Ulaanbataar
866,968
729,181 left Ulaanbataar

MOVEMENT TRENDS

Legend: ■ Left UB ■ Entered UB

Date	Left UB	Entered UB
19-Apr-20	28,180	33,654
20-Apr-20	26,820	27,706
21-Apr-20	22,571	23,839
22-Apr-20	8,571	9,172
23-Apr-20	7,884	7,354
24-Apr-20	11,487	10,870
25-Apr-20	47,197	43,117
26-Apr-20	27,210	35,219
27-Apr-20	29,599	31,320
28-Apr-20	27,316	29,982
29-Apr-20	24,087	20,502
30-Apr-20	25,490	29,173

MOVEMENT THROUGH CHECKPOINTS

Checkpoint	OVERALL			30-Apr-20		
	TOTAL	IN	OUT	TOTAL	IN	OUT
Baruunturuun	402,017	191,320	210,697	0	0	0
Ulziit	352,659	184,699	167,960	4,667	2,919	1,748
Nalaikh	705,615	351,165	354,450	11,802	5,243	6,559
Morin	536,229	267,968	268,261	11,972	5,994	5,978
Emeelt	824,685	443,084	381,601	13,436	8,532	4,904
Gunt	425,839	213,273	212,566	12,786	6,485	6,301
Total	3,247,044	1,651,509	1,595,535	54,663	29,173	25,490

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MOVEMENT IN TO ULAANBATAAR
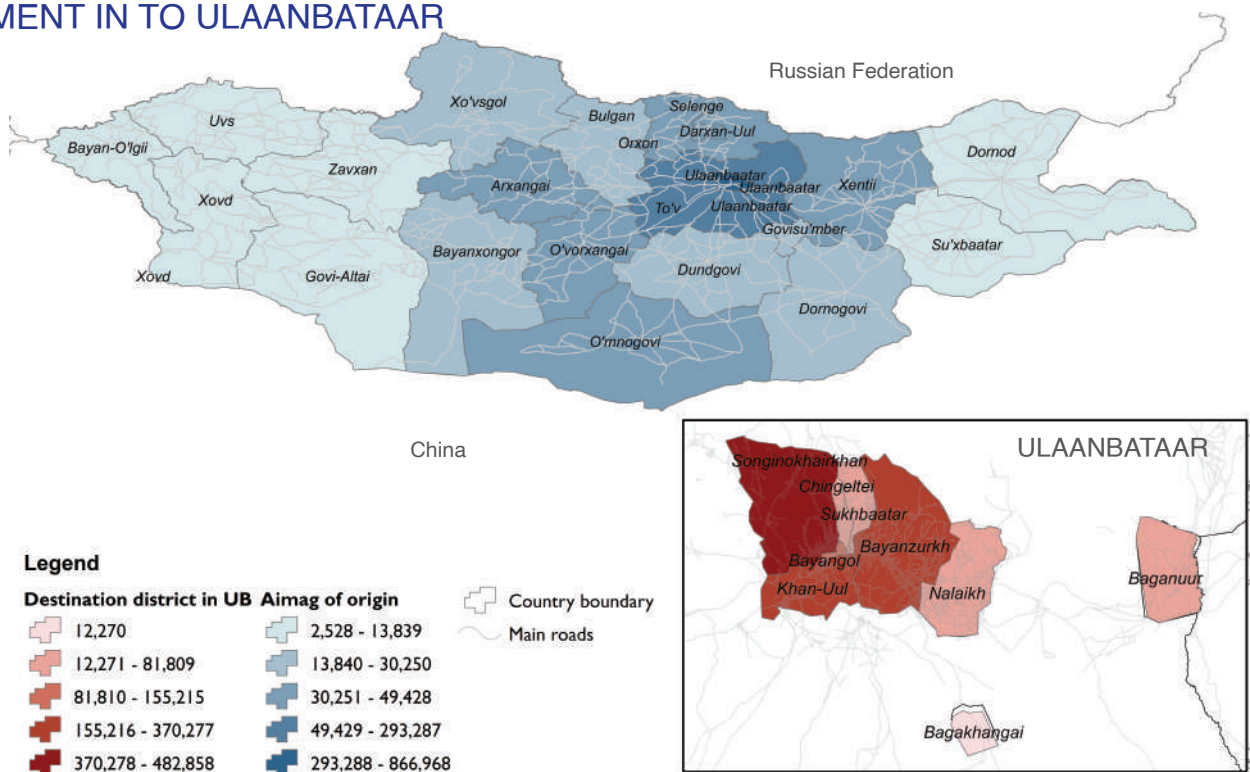
Russian Federation

China

ULAANBATAAR

Legend

Destination district in UB
- 12,270
- 12,271 - 81,809
- 81,810 - 155,215
- 155,216 - 370,277
- 370,278 - 482,858

Aimag of origin
- 2,528 - 13,839
- 13,840 - 30,250
- 30,251 - 49,428
- 49,429 - 293,287
- 293,288 - 866,968

- 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

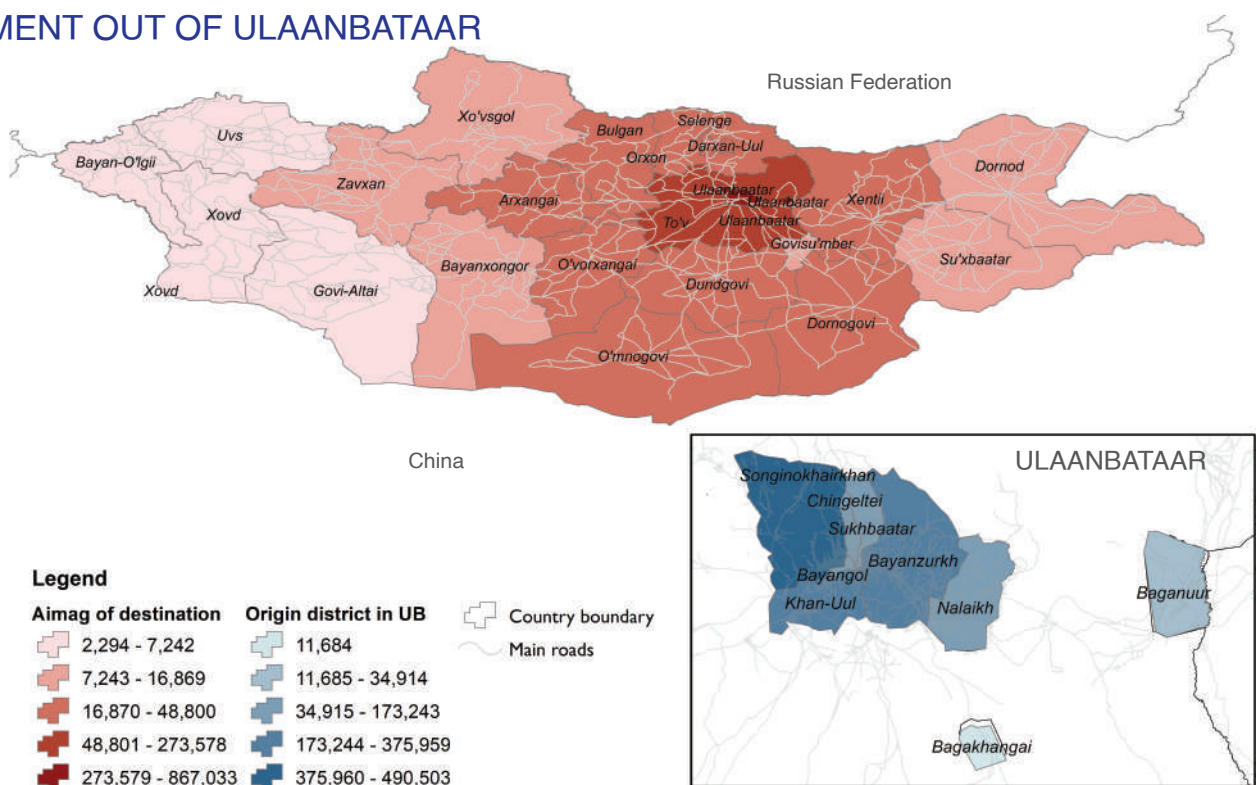| MEN	WOMEN	BOYS	GIRLS
52% / 53%	31% / 31%	9% / 9%	7% / 7%

of destination	?	Bagakhangai	Baganuur	Bayangol	Bayanzurkh	Chingeltei	Khan-Uul	Nalaikh	Songinokhairkhan	Sukhbaatar	TOTAL
Ulaanbaatar	4,190	10,888	32,487	52,634	106,121	38,661	261,098	59,927	265,927	35,035	866,968
Arkhangai	179	19	63	6,789	8,497	2,836	4,197	175	13,716	2,361	38,832
Bayankhongor	97	23	55	2,617	3,937	1,232	1,988	159	7,476	1,296	18,880
Bayan-Ulgii	23	5	1	349	600	101	144	29	1,057	219	2,528
Bulgan	199	22	57	5,438	7,134	2,196	3,758	109	9,496	1,841	30,250
Darkhan-Uul	265	50	128	7,635	9,321	2,585	5,381	340	20,614	3,109	49,428
Dornod	104	37	16	1,434	6,853	960	1,586	93	1,571	1,185	13,839
Dornogobi	311	36	76	4,248	9,443	1,269	2,990	285	3,155	1,783	23,596
Dundgobi	152	19	68	3,743	8,937	1,447	4,637	151	4,555	1,895	25,604
Gobi-Altai	46	19	36	1,017	1,823	471	801	29	3,538	496	8,276
Gobisumber	233	9	127	2,608	8,946	760	1,791	290	1,710	1,276	17,750
Khentii	186	44	33	3,226	19,670	1,867	3,152	382	3,221	2,633	34,414
Khovd	10	2	12	869	1,621	361	911	46	3,695	326	7,853
Khuvsgul	110	35	94	3,448	4,731	1,342	2,435	124	7,433	1,510	21,262
Orkhon	161	5	127	6,872	7,731	1,736	4,987	208	10,830	2,363	35,020
Selenge	170	40	181	10,892	10,937	3,201	5,663	379	12,482	3,404	47,349
Sukhbaatar	78	38	45	1,037	6,492	597	945	123	1,029	882	11,266
Tuv	1,590	234	931	44,386	63,132	20,043	51,781	6,679	83,119	21,392	293,287
Umnugobi	167	11	112	4,734	8,591	1,612	8,501	189	7,867	2,194	33,978
Uvurkhangai	215	60	127	6,747	9,285	2,552	5,843	243	17,360	2,460	44,892
Zavkhan	73	14	27	2,147	3,498	793	1,522	76	4,445	1,023	13,618
Uvs	36	5	21	1,010	2,029	494	873	96	3,661	430	8,655
?	78	15	55	543	1,316	183	667	388	838	327	4,410
TOTAL	8,673	11,630	34,879	174,423	310,645	87,299	375,651	70,520	488,795	89,440	1,651,955

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
- 2,294 - 7,242
- 7,243 - 16,869
- 16,870 - 48,800
- 48,801 - 273,578
- 273,579 - 867,033

Origin district in UB
- 11,684
- 11,685 - 34,914
- 34,915 - 173,243
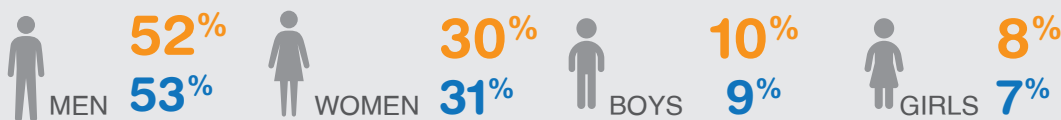- 173,244 - 375,959
- 375,960 - 490,503

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- Main roads

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Aimag of destination \ UB District of origin	?	Bagakhangai	Bayanzurkh	Baganuur	Bayangol	Chingeltei	Khan-Uul	Nalaikh	Songinokhairkhan	Sukhbaatar	TOTAL
Arkhangai	369	45	6,753	71	4,841	2,244	3,295	167	11,969	1,942	31,696
Bayankhongor	104	23	2,900	83	2,289	967	1,759	105	7,014	1,057	16,301
Bayan-Ulgii	2	-	592	-	387	107	149	17	893	147	2,294
Bulgan	249	1	5,691	50	4,327	1,820	3,049	65	8,578	1,548	25,378
Darkhan-Uul	158	24	8,014	129	6,523	2,351	4,698	285	23,857	2,761	48,800
Dornod	83	23	8,051	12	1,410	894	1,586	181	1,446	1,148	14,834
Dornogobi	297	14	10,650	159	4,521	1,544	3,380	239	3,289	1,771	25,864
Dundgobi	102	20	8,833	82	3,257	1,346	4,607	123	5,031	2,006	25,407
Gobi-Altai	31	9	1,370	47	686	350	703	80	3,595	371	7,242
Gobisumber	162	20	8,743	90	2,295	799	1,680	291	1,730	992	16,802
Khentii	187	41	20,015	35	3,112	1,697	2,685	341	2,811	2,373	33,297
Khovd	29	-	1,294	15	711	234	667	54	3,039	313	6,356
Khuvsgul	89	11	3,462	23	2,121	999	1,834	75	7,279	976	16,869
Orkhon	156	11	6,246	114	5,883	1,711	4,231	179	11,755	1,821	32,107
Selenge	113	21	9,387	195	10,001	2,914	5,125	453	13,330	2,994	44,533
Sukhbaatar	76	18	6,936	21	848	589	960	77	1,041	1,051	11,617
Tuv	1,474	178	60,241	964	39,904	18,712	46,570	6,623	79,236	19,676	273,578
Umnugobi	100	20	9,692	158	4,994	2,070	8,952	255	8,267	2,886	37,394
Uvs	47	8	1,344	25	710	357	699	41	2,782	358	6,371
Uvurkhangai	235	49	6,874	114	5,208	1,896	4,487	135	15,181	2,002	36,181
Zavkhan	70	17	2,565	27	1,522	596	1,219	105	4,478	591	11,190
?	267	22	1,079	84	462	224	1,046	533	1,064	289	5,070
TOTAL	4,400	575	190,732	2,498	106,012	44,421	103,381	10,424	217,665	49,073	729,181