DTM
MONGOLIA : COVID-19 PREPAREDNESS
FLOW MONITORING AT MAJOR CHECKPOINTS OF ULAANBAATAR
(Data collected: 08:00 hrs Feb 27th - 24:00 hrs May 16th, 2020)

SITREP # 79
17-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

2,977,082
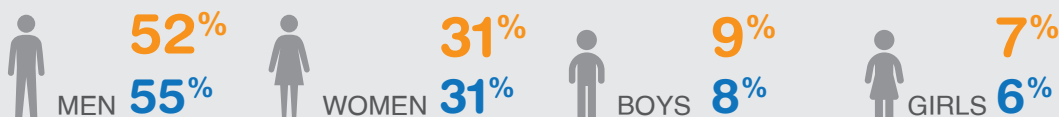cumulative movements tracked by DTM flow monitoring points (FMP)

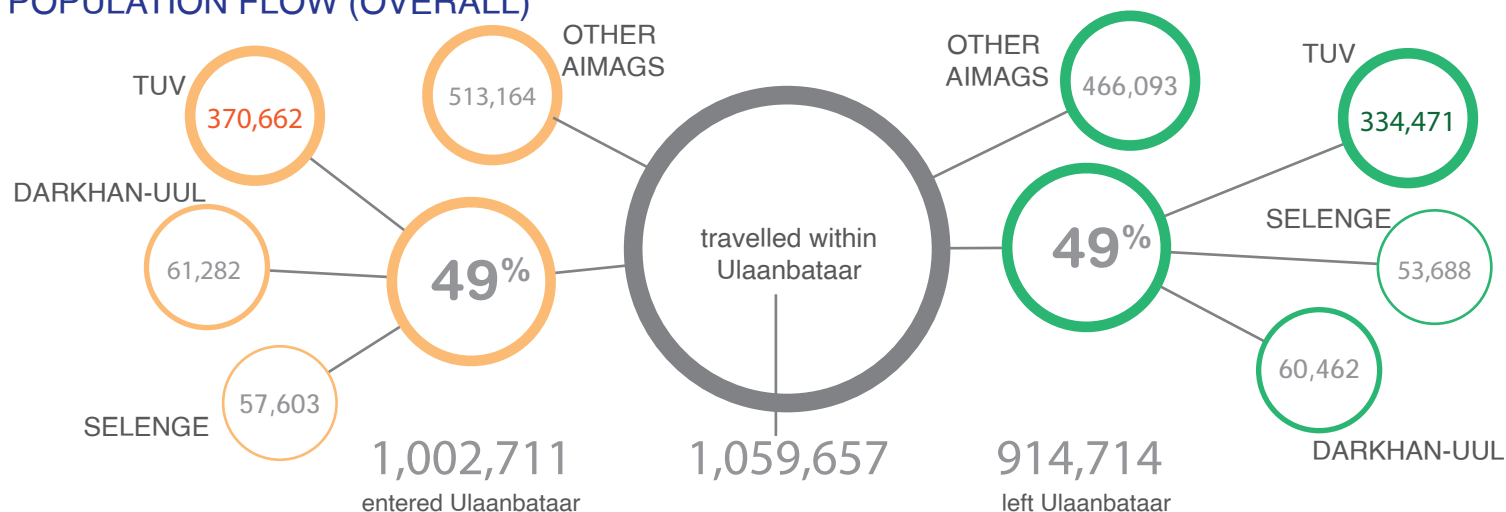**20,821** ⬇
Movements tracked in the past 24 hrs

13,110 (R)
42,761 (N)
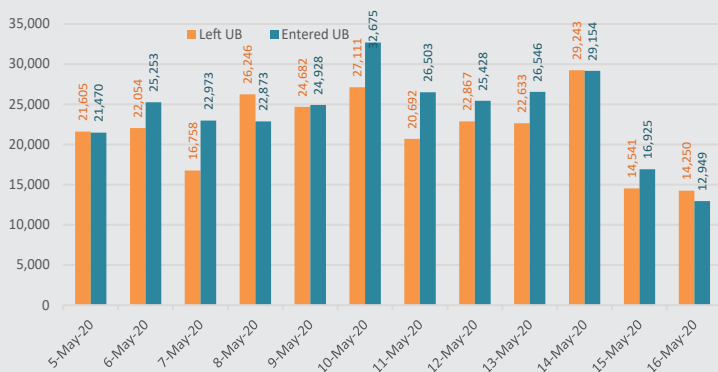Average movement per day during restricted (R) and unrestricted (N) periods

DEMOGRAPHICS

XX% - Overall
XX%- Past 24 hrs

MEN **52%** / **55%**
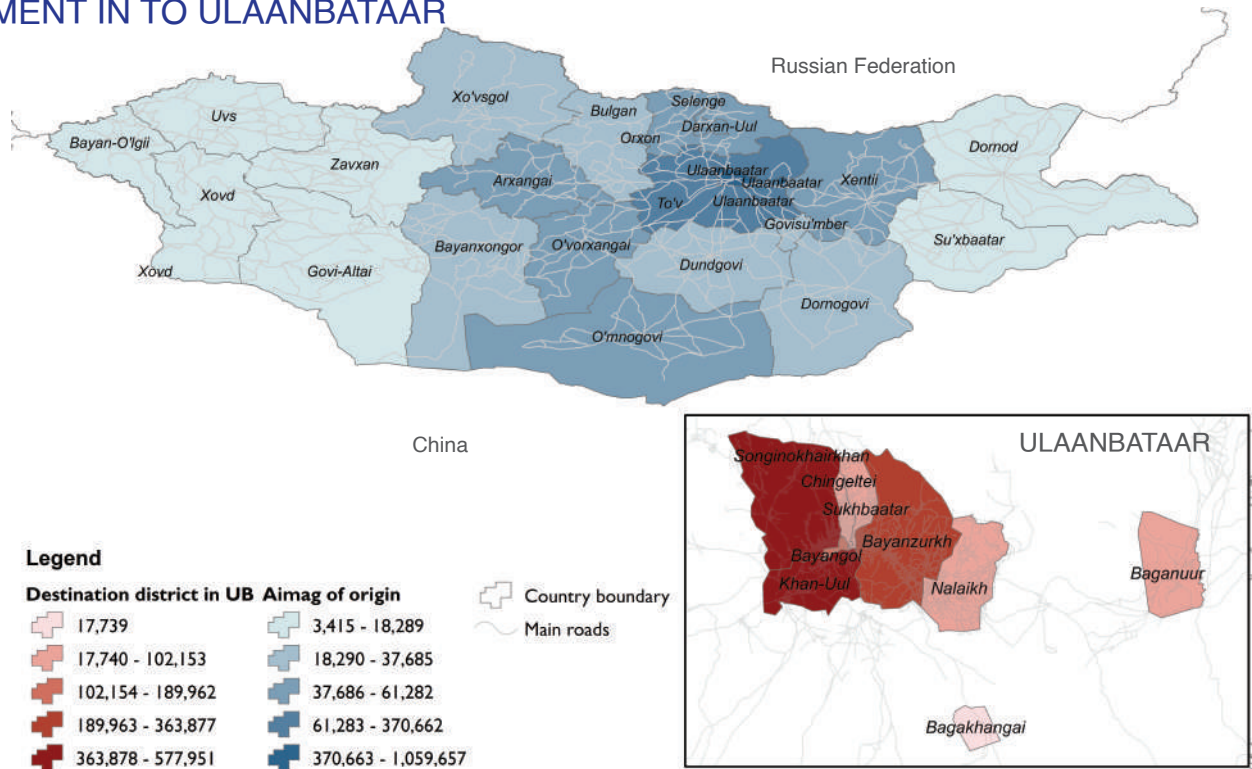
WOMEN **31%** / **31%**

BOYS **9%** / **8%**

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

POPULATION FLOW (OVERALL)

TUV 370,662
OTHER AIMAGS 513,164
DARKHAN-UUL 61,282
SELENGE 57,603
49%

travelled within Ulaanbataar

OTHER AIMAGS 466,093
TUV 334,471
SELENGE 53,688
DARKHAN-UUL 60,462
49%

1,002,711
entered Ulaanbataar

1,059,657

914,714
left Ulaanbataar

MOVEMENT TRENDS

Legend: Left UB, Entered UB

Date	Left UB	Entered UB
5-May-20	21,605	21,470
6-May-20	22,054	25,253
7-May-20	16,758	22,973
8-May-20	26,246	22,873
9-May-20	24,682	24,928
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

MOVEMENT THROUGH CHECKPOINTS

Checkpoint	OVERALL			16-May-20		
	TOTAL	IN	OUT	TOTAL	IN	OUT
Baruunturuun	402,017	191,320	210,697	0	0	0
Ulziit	428,928	227,056	201,872	2,860	1,762	1,098
Nalaikh	884,783	442,058	442,725	3,946	2,025	1,921
Morin	720,073	359,983	360,090	6,241	3,126	3,115
Emeelt	1,058,556	570,046	488,510	9,766	4,021	5,745
Gunt	541,322	271,459	269,863	4,386	2,015	2,371
Total	4,035,679	2,061,922	1,973,757	27,199	12,949	14,250

DTM
MONGOLIA : COVID-19 PREPAREDNESS
FLOW MONITORING AT MAJOR CHECKPOINTS OF ULAANBAATAR
(Data collected: 08:00 hrs Feb 27th - 24:00 hrs May 16th, 2020)

SITREP # 79
17-May-2020
12:00 (GMT+8)

MOVEMENT IN TO ULAANBATAAR

Russian Federation

China

ULAANBATAAR

Legend

Destination district in UB
- 17,739
- 17,740 - 102,153
- 102,154 - 189,962
- 189,963 - 363,877
- 363,878 - 577,951

Aimag of origin
- 3,415 - 18,289
- 18,290 - 37,685
- 37,686 - 61,282
- 61,283 - 370,662
- 370,663 - 1,059,657

▢ 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
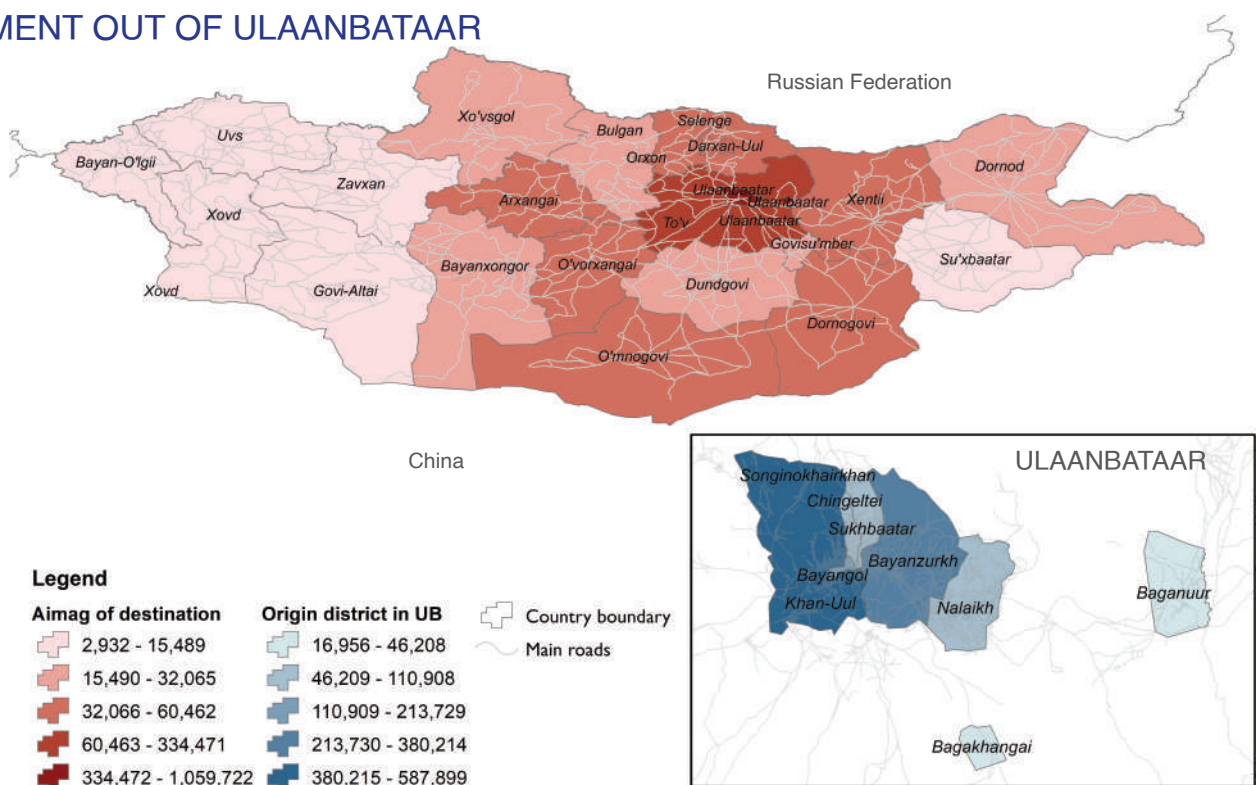
MEN 52% / 55%
WOMEN 31% / 32%
BOYS 9% / 8%
GIRLS 7% / 6%

of destination	?	Bagakhangai	Baganuur	Bayangol	Bayanzurkh	Chingeltei	Khan-Uul	Nalaikh	Songinokhairkhan	Sukhbaatar	TOTAL
Ulaanbaatar	6,096	15,942	42,561	62,118	125,112	50,555	344,915	63,107	307,132	42,119	1,059,657
Arkhangai	230	34	75	8,362	10,579	3,576	5,280	233	18,058	2,857	49,284
Bayankhongor	130	25	72	3,198	4,837	1,550	2,527	191	9,632	1,658	23,820
Bayan-Ulgii	23	5	1	427	787	128	168	51	1,559	266	3,415
Bulgan	239	27	73	6,581	8,803	2,748	4,761	126	11,998	2,329	37,685
Darkhan-Uul	308	61	166	9,288	11,381	3,058	6,715	375	26,141	3,789	61,282
Dornod	136	37	21	1,823	9,327	1,177	2,064	150	1,988	1,566	18,289
Dornogobi	403	57	135	6,241	14,084	1,859	4,349	576	4,355	2,858	34,917
Dundgobi	233	22	103	4,749	11,833	1,914	6,177	214	6,036	2,490	33,771
Gobi-Altai	51	30	39	1,213	2,170	586	1,007	51	4,702	611	10,460
Gobisumber	333	25	161	3,556	12,880	1,030	2,467	517	2,274	1,710	24,953
Khentii	305	54	46	4,282	26,380	2,438	4,072	559	4,102	3,329	45,567
Khovd	14	2	12	1,055	1,883	436	1,087	55	5,155	391	10,090
Khuvsgul	129	35	113	4,089	5,878	1,735	2,908	169	10,361	1,800	27,217
Orkhon	225	5	140	8,627	9,616	2,111	6,167	252	13,898	2,888	43,929
Selenge	227	46	233	13,446	13,286	3,994	6,767	447	15,101	4,056	57,603
Sukhbaatar	109	44	51	1,424	8,713	801	1,359	198	1,298	1,161	15,158
Tuv	2,205	317	1,370	55,016	79,964	25,019	64,872	11,634	103,607	26,658	370,662
Umnugobi	221	11	178	6,123	11,417	2,131	11,344	280	9,684	2,840	44,229
Uvurkhangai	289	64	142	8,068	11,703	3,165	7,353	283	22,483	3,162	56,712
Zavkhan	83	50	29	2,541	4,315	976	1,818	90	5,988	1,201	17,091
Uvs	38	11	21	1,277	2,453	551	1,139	103	4,923	522	11,038
?	97	22	464	624	1,500	201	831	418	1,019	363	5,539
TOTAL	12,124	16,926	46,206	214,128	388,901	111,739	490,147	80,079	591,494	110,624	2,062,368

DTM

MONGOLIA : COVID-19 PREPAREDNESS
FLOW MONITORING AT MAJOR CHECKPOINTS OF ULAANBAATAR
(Data collected: 08:00 hrs Feb 27th - 24:00 hrs May 16th, 2020)

SITREP # 79
17-May-2020
12:00 (GMT+8)

MOVEMENT OUT OF ULAANBATAAR

Russian Federation

China

ULAANBATAAR

Legend

Aimag of destination
- 2,932 - 15,489
- 15,490 - 32,065
- 32,066 - 60,462
- 60,463 - 334,471
- 334,472 - 1,059,722

Origin district in UB
- 16,956 - 46,208
- 46,209 - 110,908
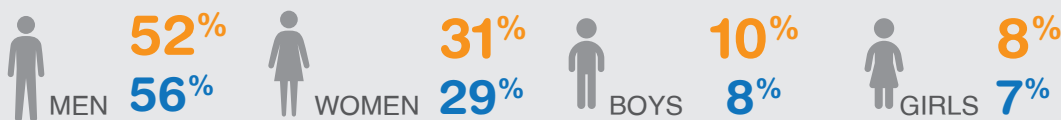- 110,909 - 213,729
- 213,730 - 380,214
- 380,215 - 587,899

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%	56%
WOMEN	31%	29%
BOYS	10%	8%
GIRLS	8%	7%

Aimag of destination \ UB District of origin	?	Bagakhangai	Bayanzurkh	Baganuur	Bayangol	Chingeltei	Khan-Uul	Nalaikh	Songinokhairkhan	Sukhbaatar	TOTAL
Arkhangai	397	48	8,347	82	6,069	2,767	4,179	192	15,197	2,565	39,843
Bayankhongor	117	27	3,675	93	2,736	1,196	2,187	126	8,835	1,379	20,371
Bayan-Ulgii	2	-	713	-	486	143	170	24	1,222	172	2,932
Bulgan	303	1	6,877	60	5,267	2,187	3,806	77	10,702	1,942	31,222
Darkhan-Uul	213	39	9,742	154	7,933	2,934	5,905	420	29,371	3,751	60,462
Dornod	160	25	10,684	31	1,843	1,136	2,040	333	1,783	1,458	19,493
Dornogobi	406	23	15,679	246	6,471	2,251	5,022	493	4,297	2,586	37,474
Dundgobi	148	23	11,153	141	4,090	1,721	5,911	181	6,212	2,485	32,065
Gobi-Altai	31	9	1,680	47	917	468	908	85	4,449	490	9,084
Gobisumber	248	30	12,133	138	3,052	1,044	2,302	451	2,173	1,332	22,903
Khentii	325	64	26,682	80	4,025	2,196	3,664	653	3,525	3,146	44,360
Khovd	31	3	1,590	15	926	298	797	61	3,901	392	8,014
Khuvsgul	106	11	4,423	38	2,897	1,256	2,292	91	9,037	1,371	21,522
Orkhon	190	13	7,789	169	7,364	2,044	5,356	221	14,467	2,388	40,001
Selenge	156	29	11,362	248	12,063	3,598	6,100	514	15,925	3,693	53,688
Sukhbaatar	146	27	9,084	73	1,228	751	1,344	160	1,330	1,346	15,489
Tuv	1,855	238	74,477	1,391	47,827	22,693	57,750	10,443	93,754	24,043	334,471
Umnugobi	121	33	12,055	205	6,154	2,593	11,333	302	9,993	3,474	46,263
Uvs	62	8	1,823	27	1,074	425	944	52	3,710	547	8,672
Uvurkhangai	261	53	8,561	137	6,635	2,487	5,798	168	19,086	2,578	45,764
Zavkhan	70	17	3,316	29	2,026	811	1,539	110	5,715	767	14,400
?	333	33	1,393	103	604	285	1,210	579	1,269	412	6,221
TOTAL	5,681	754	243,238	3,507	131,687	55,284	130,557	15,736	265,953	62,317	914,714