

Quick and dirty analysis on daily situation of COVID-19 in Myanmar (21-7-2020)

1. Quick overview (as of 11:30 pm, 20-7-2020)

Cumulative # of confirmed cases as of 21-7-2020	-	341	
Overall positive rate (341/104,874)	-	0.33 %	
Recovered	-	280	(82%)
# of patients currently under ICU care	-	Nil	
Cumulative # of patients under ICU care (20/341)	-	20	(5.9%)
Cumulative # of patients under ventilator care (5/341)	-	5	(1.5%)
Total deaths (Case Fatality Rate)	-	6	(1.8%)

2. Testing done on 19-7-2020

Test	NHL	DMR	MDY	MLM	DSGH, YGN	Total
# of first samples tested	557	116	57	256	0	986
# of repeat samples tested	16	12	19	0	182	229
Total # of samples tested (19-7-2020)	573	128	76	256	182	1,215
Cumulative # of tests	73,283	15,595	11,598	7,658	8,132	116,266

• Trend of samples tested

Date	10 th July	11 th July	12 th July	13 th July	14 th July	15 th July	16 th July	17 th July	18 th July	19 th July	20 th July
# of samples tested	1,816	1,895	1,099	1,143	1,736	1,429	1,874	1,724	2,066	1,419	1215
# of newly positives	5	4	1	5	1	0	2	0	2	0	0

Cumulative # of samples tested - **116,266**

Cumulative total # of persons tested - **104,874**

- **Positive rates among tested persons since the beginning of this outbreak**

Type of persons tested	# of persons tested	# of positive cases	Positive rate (%)
Contacts	3,555	109	3.1
PUI*	7,600	63	0.8
Quarantined person	93,719	169	0.2
Total	104,874	341	0.33

*PUI from testing data includes those who are tested for other purposes.

3. Total # of reported Patients Under Investigation (PUI) – 6,562

Date	9 th July	10 th July	11 th July	12 th July	13 th July	14 th July	15 th July	16 th July	17 th July	18 th July	19 th July	20 th July
# of reported PUI	41	28	17	30	22	29	29	26	17	39	29	22

4. Origin of positive cases

- Imported cases - 180 (53%)
- Locally transmitted cases - 161 (47%)
 - Close contact of confirmed cases 145/161 (90% of locally transmitted cases)

5. Symptom analysis of the reported cases at the time of reporting

Date	9 th July	10 th July	11 th July	12 th July	13 th July	14 th July	15 th July	16 th July	17 th July	18 th July	19 th July	20 th July
% of symptomatic	39	39	39	39	39	39	39	39	39	39	39	39
% of pre-symptomatic*	2	2	2	2	2	2	2	2	2	2	2	2
% of asymptomatic	59	59	59	59	59	59	59	59	59	59	59	59

*Symptoms appear after testing positive.

6. Facility Quarantine (FQ) of returnees (as of 5 pm, 19-7-2020)

Date	13 th July	14 th July	15 th July	16 th July	17 th July	18 th July	19 th July
# of Q sites	3,078	2,785	3,016	3,008	3,033	3,028	3,250
# of persons under FQ	23,797	23,271	22,831	22,230	22,310	22,149	24,770

Cumulative # of persons under FQ=310,457

7. Analysis of testing data by week** (as of Week 30,20-7-2020)

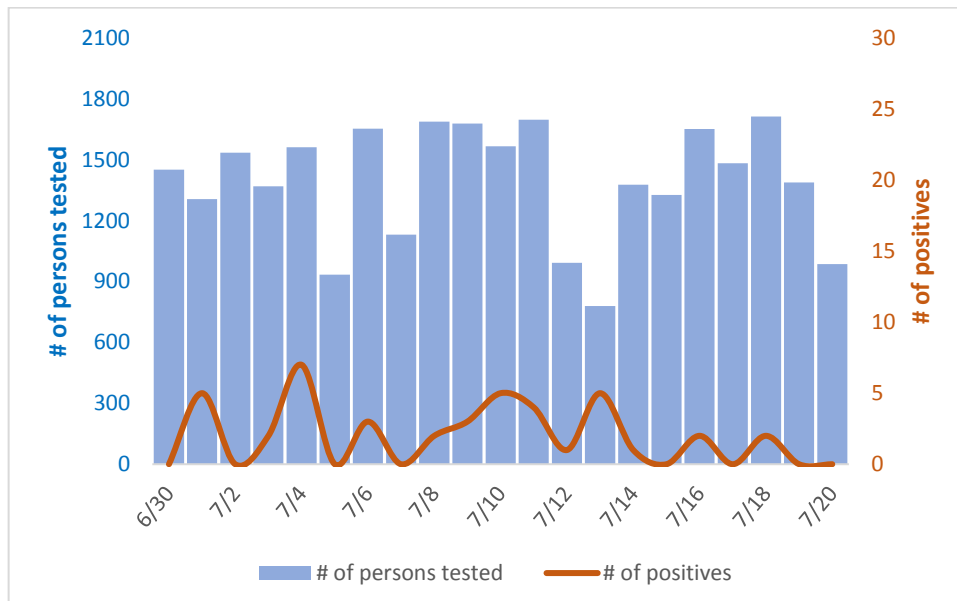
Week #	Total			PUI			Quarantine		
	# of persons tested	# of positives	Positive rate (%)	# of PUIs tested	# of positives	Positive rate (%)	# of quarantined persons tested	# of positives	Positive rate (%)
Week 13	491	14	2.85	217	8	3.69	242	2	0.83
Week 14	411	8	1.95	297	3	1.01	56	1	1.79
Week 15	1,093	40	3.66	454	21	4.63	430	3	0.70
Week 16	2,476	57	2.30	864	22	2.55	1,079	1	0.09
Week 17	2,297	27	1.18	695	3	0.43	840	3	0.36
Week 18	1,825	15	0.82	651	3	0.46	761	1	0.13
Week 19	2,784	19	0.68	610	2	0.33	1,188	0	0.00
Week 20	3,321	11	0.33	519	1	0.19	2,746	9	0.33
Week 21	5,175	12	0.23	368	0	0.00	4,656	12	0.26
Week 22	7,933	25	0.32	299	0	0.00	7,559	25	0.33
Week 23	12,488	16	0.13	307	0	0.00	11,961	16	0.13
Week 24	9,141	18	0.20	282	0	0.00	8,859	18	0.20
Week 25	10,180	28	0.28	216	0	0.00	9,962	27	0.28
Week 26	11,560	9	0.03	238	0	0.00	11,204	9	0.08
Week 27	9,495	14	0.10	223	0	0.00	9,246	14	0.15
Week 28	9,696	18	0.19	223	0	0.00	9,459	18	0.19
Week 29	9,720	10	0.10	208	0	0.00	9,512	10	0.11
Week 30	986	0	0.00	29	0	0.00	957	0	0.00

** Confirmed cases have been detected since week 13 (23 March to 29 March 2020).

8. Analysis of quarantine data by week (as of Week 29, 19-7-2020)

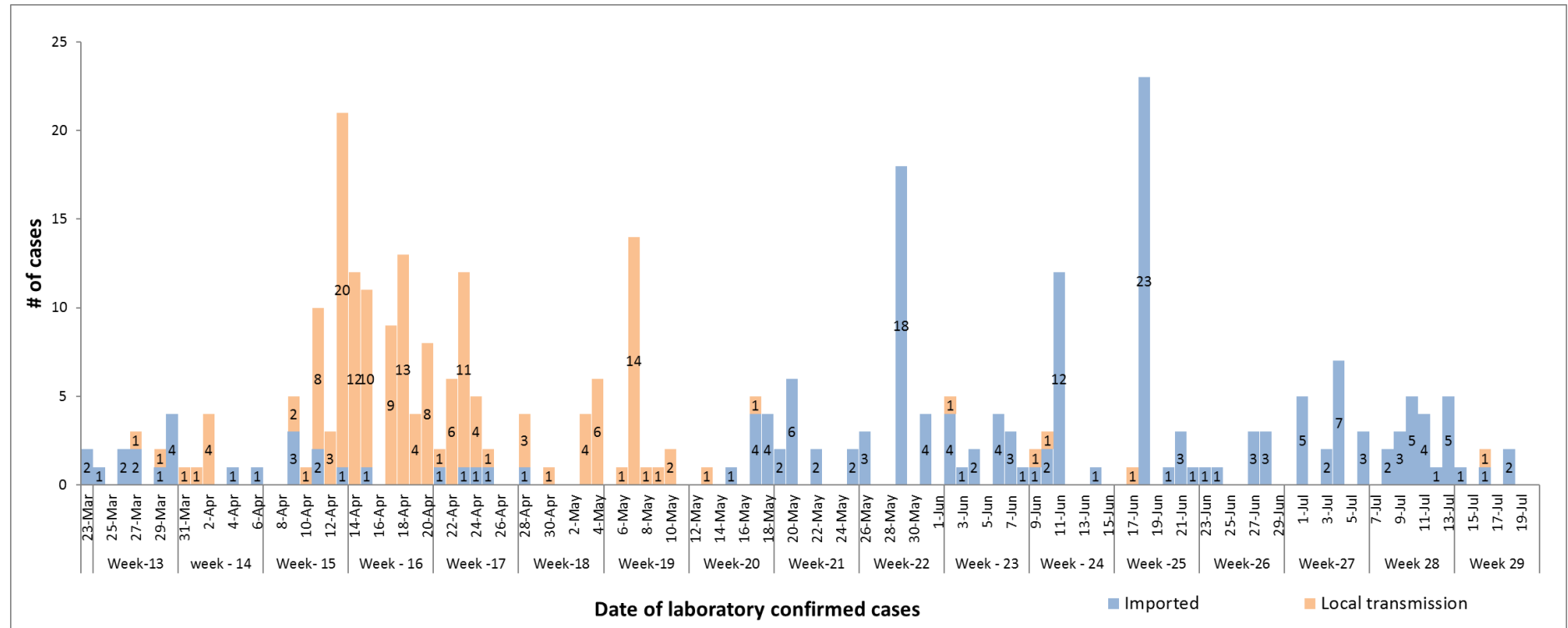
Week #	Average # of quarantine sites per day	Average # of quarantined persons per day
Week 17	7,094	43,292
Week 18	8,447	42,407
Week 19	9,090	53,152
Week 20	10,076	59,048
Week 21	10,521	59,780
Week 22	9,704	52,736
Week 23	9,421	48,865
Week 24	8,289	45,371
Week 25	7,478	39,695
Week 26	7,035	32,434
Week 27	6,379	24,938
Week 28	5,532	23,787
Week 29	3,065	23,048

9. Daily trend of # of persons tested and # of positives for 3 weeks



Analyzed by Dr. Toe Thiri Aung, Director (CEU) and team, MoHS under direct technical guidance of the Union Minister.
 Data source: DPH, DMS, NHL, DMR, PHL MDY, PHL MLM, Defence Services Medical Corps, CEU
 States and Regional Public Health and Medical Services Departments

10. Trend of locally transmitted cases and imported cases (n=341) (as of 20-7-2020)



Overall summary inference

- Situation of COVID-19 in Myanmar appears to be under control.

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Data source: DPH, DMS, NHL, DMR, PHL MDY, PHL MLM, Defence Services Medical Corps, CEU, States and Regional Public Health and Medical Services Departments

11. Sentinel Surveillance of Influenza-like Illness and Severe Acute Respiratory Infections (ILI/SARI) (n=342) (as of week 28, 2020)

Week #	Total # of samples sent from sentinel sites	Influenza detected	# of positive samples detected		
			Influenza B	Influenza A/H ₁ N ₁ pdm 09	Influenza A/H ₃ N ₂
Week 1	3	0	0	0	0
Week 2	17	0	0	0	0
Week 3	19	0	0	0	0
Week 4	25	0	0	0	0
Week 5	35	4	0	4	0
Week 6	22	3	1	2	0
Week 7	19	4	1	0	3
Week 8	23	0	0	0	0
Week 9	23	1	0	0	1
Week 10	6	1	0	1	0
Week 11	12	0	0	0	0
Week 12	11	2	0	1	1
Week 13	18	0	0	0	0
Week 14	29	0	0	0	0
Week 15	32	0	0	0	0
Week 16	42	0	0	0	0
Week 17	4	0	0	0	0
Week 18	0	0	0	0	0
Week 19	0	0	0	0	0
Week 20	0	0	0	0	0
Week 21	0	0	0	0	0
Week 22	0	0	0	0	0
Week 23	0	0	0	0	0
Week 24	2	0	0	0	0
Week 25	0	0	0	0	0
Week 26	0	0	0	0	0
Week 27	0	0	0	0	0
Week 28	0	0	0	0	0
Total	342	15	2	8	5

Week 1 started from Sunday 29.12.2019.