

Quick and dirty analysis on daily situation of COVID-19 in Myanmar (21-8-2020)

1. Quick overview

(as of 11:30 pm, 20-8-2020)

Cumulative # of confirmed cases as of 21-08-2020	-	409
Overall positive rate (409/142,516)	-	0.29 %
Recovered	-	337 (84%)
# of patients currently under ICU care	-	Nil
# of patients currently under ventilator care	-	Nil
Cumulative # of patients under ICU care (20/409)	-	20 (4.9%)
Cumulative # of patients under ventilator care (5/409)	-	5 (1.2%)
Total deaths (Case Fatality Rate)	-	6 (1.5%)

2. Testing done on 20-8-2020

Test	NHL	DMR	MDY	MLM	DSGH, YGN	Total
# of first samples tested	1081	36	179	176	0	1472
# of repeat samples tested	15	124	0	0	0	139
Total # of samples tested (20-8-2020)	1,096	160	179	176	0	1,611
Cumulative # of tests	97,672	21,577	15,620	13,040	10,325	158,234

• Trend of samples tested

Date	10 th Aug	11 th Aug	12 th Aug	13 th Aug	14 th Aug	15 th Aug	16 th Aug	17 th Aug	18 th Aug	19 th Aug	20 th Aug
# of samples tested	1,167	1,145	2,021	1,851	1,908	1,610	973	1,714	1,993	1,664	1,611
# of newly positives	0	0	1	8	5	0	1	1	3	17	13

Cumulative # of samples tested - **158,234**

Cumulative total # of persons tested - **142,516**

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

Type of persons tested	# of persons tested	# of positive cases	Positive rate (%)
Contacts	3,860	123	3.2
PUI*	8,267	68	0.8
Quarantined person	130,389	218	0.2
Total	142,516	409	0.29

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

3. Total # of reported Patients Under Investigation (PUI) – 7,161

Date	9 th Aug	10 th Aug	11 th Aug	12 th Aug	13 th Aug	14 th Aug	15 th Aug	16 th Aug	17 th Aug	18 th Aug	19 th Aug	20 th Aug
# of reported PUI	9	14	15	16	18	20	16	19	16	27	26	24

4. Origin of positive cases

- Imported cases - 229 (56%)
- Locally transmitted cases - 180 (44%)
 - Close contact of confirmed cases 145/162 (90% of locally transmitted cases)

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

Date	9 th Aug	10 th Aug	11 th Aug	12 th Aug	13 th Aug	14 th Aug	15 th Aug	16 th Aug	17 th Aug	18 th Aug	19 th Aug	20 th Aug
% of symptomatic	37	37	37	37	36	36	36	36	36	36	35	35
% of pre-symptomatic*	2	2	2	2	2	2	2	2	2	2	2	2
% of asymptomatic	61	61	61	61	62	62	62	62	62	62	63	63

*Symptoms appear after testing positive.

6. Facility Quarantine (FQ) of returnees (as of 5 pm, 19-8-2020)

Date	13 th Aug	14 th Aug	15 th Aug	16 th Aug	17 th Aug	18 th Aug	19 th Aug
# of Q sites	2,390	2,466	2,445	2,452	2,498	2,513	2,524
# of persons under FQ	19,493	19,139	19,238	19,663	19,776	19,813	19,259

Cumulative # of persons under FQ=339,554

7. Analysis of testing data by week** (as of week 34, 20-8-2020)

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	7,602	9	0.12	171	0	0.00	7,366	9	0.12
Week 31	7,717	3	0.04	148	0	0.00	7,569	3	0.04
Week 32	7,687	7	0.09	146	0	0.00	7,541	7	0.09
Week 33	9,325	15	0.16	117	1	0.85	9,208	14	0.15
Week 34	6,363	34	0.53	114	4	3.51	6,010	30	0.50

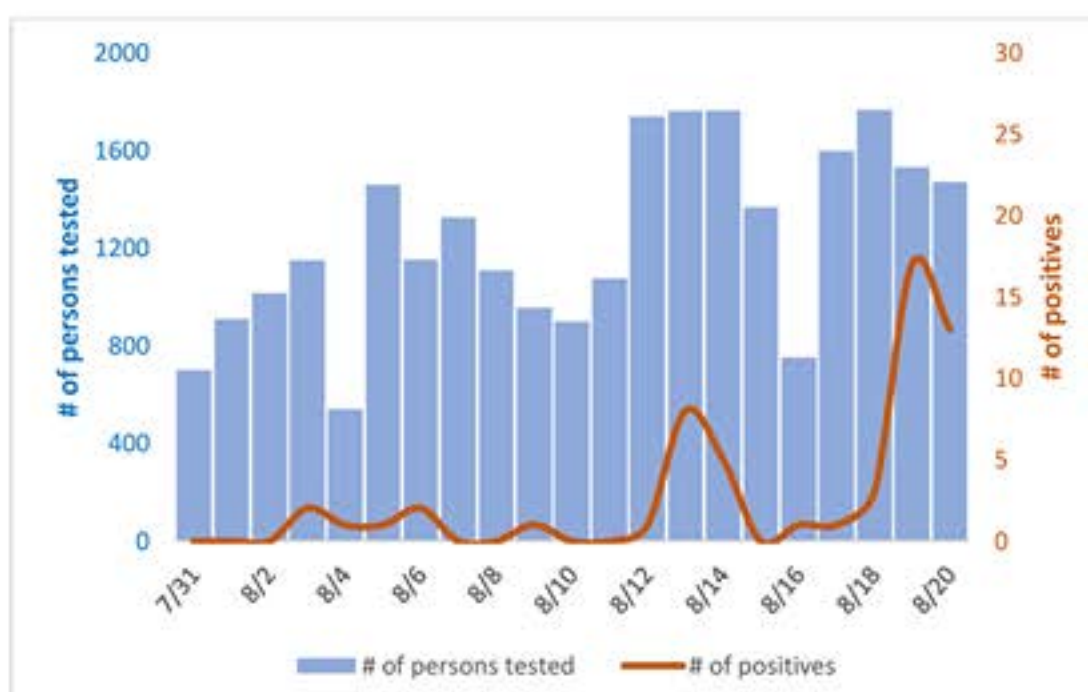
** Confirmed cases have been detected since week 13 (23 March to 29 March 2020).

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

8. Analysis of quarantine data by week (as of week 34, 19-8-2020)

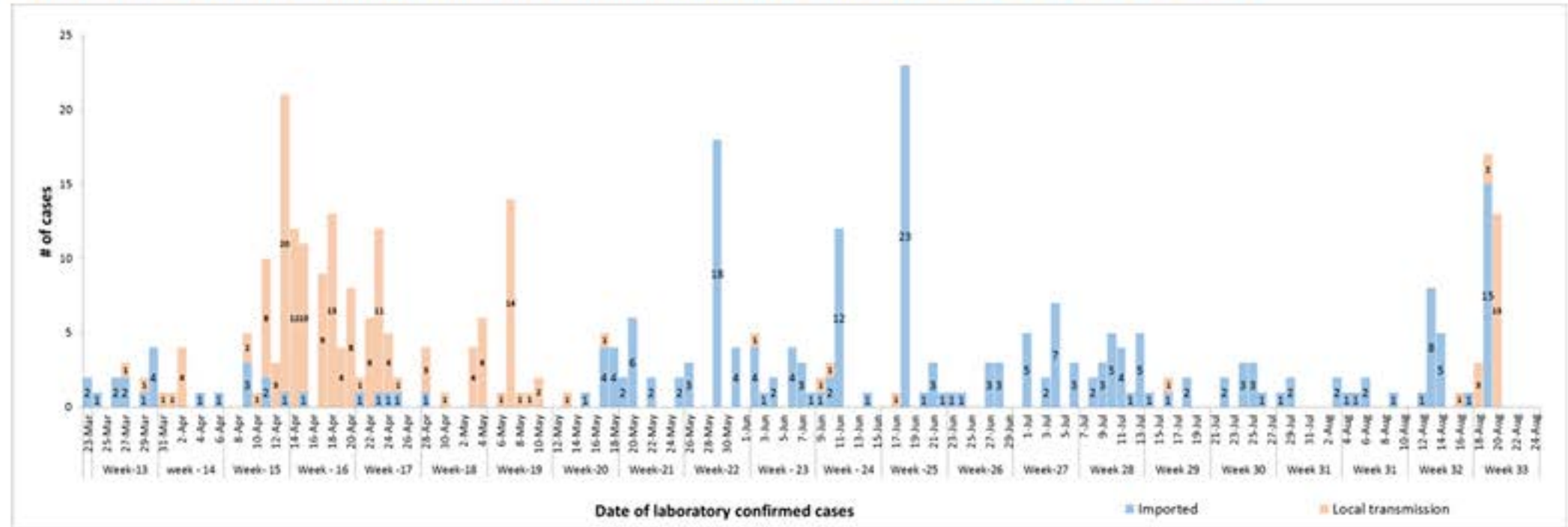
Week #	Average # of quarantine sites per day	Average # of quarantined persons per day
Week 17	7,094	43,292
Week 18	8,447	42,407
Week 19	9,090	53,152
Week 20	10,076	59,048
Week 21	10,521	59,780
Week 22	9,704	52,736
Week 23	9,421	48,865
Week 24	8,289	45,371
Week 25	7,478	39,695
Week 26	7,035	32,434
Week 27	6,379	24,938
Week 28	5,532	23,787
Week 29	3,065	23,048
Week 30	3,065	21,523
Week 31	2,965	19,189
Week 32	2,753	19,182
Week 33	2,485	19,515
Week 34	2,511	19,616

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



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10. Trend of locally transmitted cases and imported cases (n=409) (as of 20-8-2020)



Overall summary inference

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

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