Quick and dirty analysis on daily situation of COVID-19 in Myanmar (23-7-2020)

1. Quick overview   (as of 11:30 pm, 22-7-2020)

Cumulative # of confirmed cases as of 23-7-2020   -   343

Overall positive rate (343/106,673)   -   0.32 %

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 22-7-2020

Test	NHL	DMR	MDY	MLM	DSGH, YGN	Total
# of first samples tested	526	148	108	256	0	**1038**
# of repeat samples tested	13	94	2	0	0	**109**
Total # of samples tested (22-7-2020)	**539**	**242**	**110**	**256**	**0**	**1,147**
Cumulative # of tests	**74,168**	**16,004**	**11,708**	**8,186**	**8,132**	**118,198**

• Trend of samples tested

Date	12th July	13th July	14th July	15th July	16th July	17th July	18th July	19th July	20th July	21th July	22nd July
# of samples tested	1,099	1,143	1,736	1,429	1,874	1,724	2,066	1,419	1215	7,85	1,147
# of newly positives	1	5	1	0	2	0	2	0	0	0	2

Cumulative # of samples tested   -   118,198

Cumulative total # of persons tested   -   106,673

- **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*	7,638	63	0.8
Quarantined person	95,480	171	0.2
Total	**106,673**	**343**	**0.32**

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

3. Total # of reported Patients Under Investigation (PUI) – 6,591

Date	11th July	12th July	13th July	14th July	15th July	16th July	17th July	18th July	19th July	20th July	21st July	22nd July
# of reported PUI	17	30	22	29	29	26	17	39	29	22	20	29

4. Origin of positive cases

- Imported cases   -   182   (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	11th July	12th July	13th July	14th July	15th July	16th July	17th July	18th July	19th July	20th July	21st July	22nd 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, 21-7-2020)

Date	15th July	16th July	17th July	18th July	19th July	20th July	21st July
# of Q sites	3,016	3,008	3,033	3,028	3,250	3,114	3,118
# of persons under FQ	22,831	22,230	22,310	22,149	24,770	21933	21,660

Cumulative # of persons under FQ=312,300

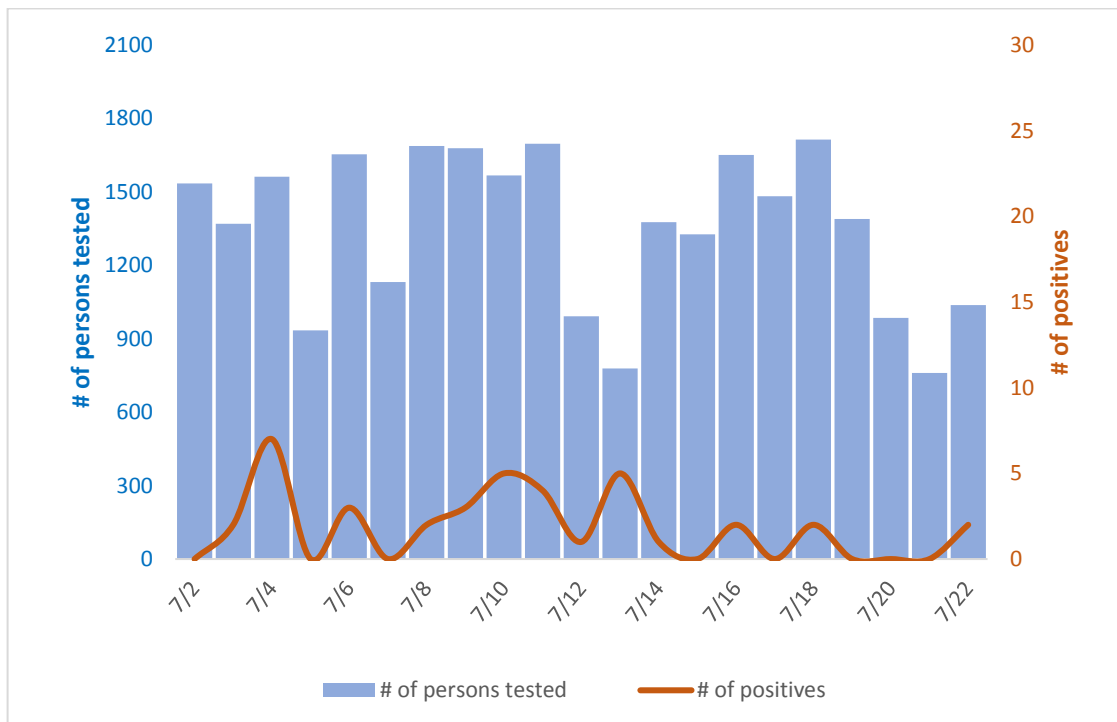## 7. Analysis of testing data by week** (as of week 30, 22-7-2020)

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	2,785	2	0.07	67	0	0.00	2,718	2	0.07

** 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, 21-7-2020)
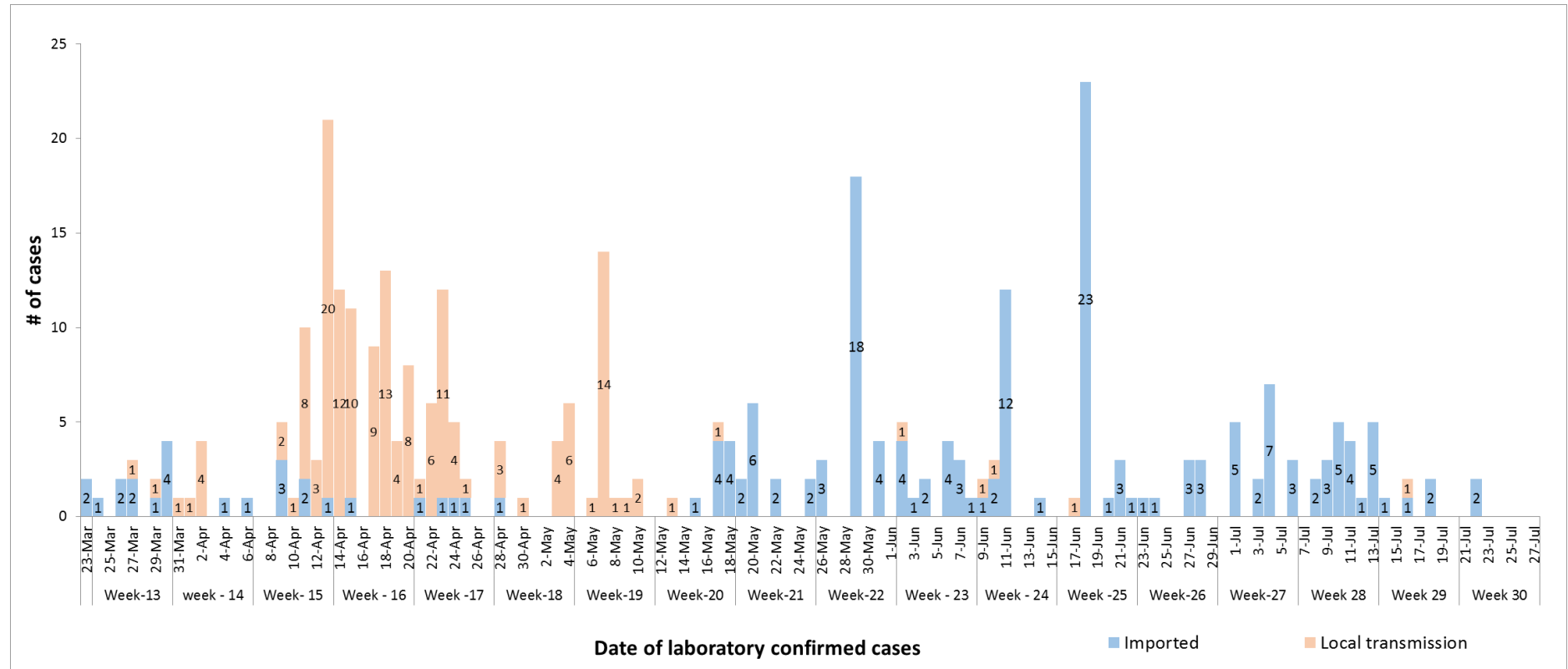
Week #	Average # of quarantine sites per day	Average # of quarantined persons per day
Week 17	7,094	43,292
Week 18	8,447	42,407
Week 19	9,090	53,152
Week 20	10,076	59,048
Week 21	10,521	59,780
Week 22	9,704	52,736
Week 23	9,421	48,865
Week 24	8,289	45,371
Week 25	7,478	39,695
Week 26	7,035	32,434
Week 27	6,379	24,938
Week 28	5,532	23,787
Week 29	3,065	23,048
Week 30	3,116	21,797

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

10. Trend of locally transmitted cases and imported cases (n=343) (as of 23-7-2020)

# of cases (y-axis) vs **Date of laboratory confirmed cases** (x-axis)

Legend: ▪ Imported ▪ Local transmission

Overall summary inference

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

11. Sentinel Surveillance of Influenza-like Illness and Severe Acute Respiratory Infections (ILI/SARI) (n=781) (as of week 30, 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	31*	0	0	0	0
Week 15	46*	0	0	0	0
Week 16	272*	0	0	0	0
Week 17	79*	0	0	0	0
Week 18	13	0	0	0	0
Week 19	80*	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	4	0	0	0	0
Week 27	8	0	0	0	0
Week 28	12	0	0	0	0
Week 29	0	0	0	0	0
Week 30	1	0	0	0	0
Total	781	15	2	8	5

Week 1 started from Sunday 29.12.2019.

* COVID-19 samples from Shan (South) are also tested for influenza.