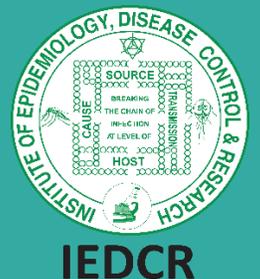# Monthly Summary Report

National Influenza Surveillance, Bangladesh (NISB)

August 2023

Institute of Epidemiology, Disease Control & Research (IEDCR)

National Influenza Centre (NIC)

CDC

IEDCR

National Influenza Surveillance, Bangladesh (NISB)
Sentinel Site Wise Influenza like illness (ILI) Lab Results
August 2023

District (Site)	Sample	Flu	Flu%	Flu A	Flu B	Flu A+B	AH1	AH3	AH1pdm09	AH5	AH3v	AH7	H1pdm09, VIC	H3, VIC	B/Vic	B/Yama
Thakurgaon (TDH)	50	32	64.00	8	24	0	0	7	1	0	0	0	0	0	24	0
Naogaon (NDH)	64	26	40.63	7	18	1	0	4	3	0	0	0	0	1	18	0
Satkhira (SDH)	57	22	38.60	14	8	0	0	7	7	0	0	0	0	0	8	0
Narshingdi (NDH)	48	25	52.08	10	13	2	0	8	2	0	0	0	1	1	13	0
Habiganj (HDH)	47	24	51.06	14	9	1	0	9	5	0	0	0	1	0	9	0
Cox's Bazar (CDH)	55	14	25.45	1	13	0	0	1	0	0	0	0	0	0	13	0
Joypurhat (JDH)	77	28	36.36	10	17	1	0	7	3	0	0	0	1	0	17	0
DMCH (DMC)	77	22	28.57	12	8	2	0	6	6	0	0	0	0	2	8	0
Patuakhali (PDH)	103	30	29.13	14	14	2	0	12	2	0	0	0	0	2	14	0
Gazipur (GMCH)	58	18	31.03	11	7	0	0	6	5	0	0	0	0	0	7	0
Total	636	241	37.89	101	131	9	0	67	34	0	0	0	3	6	131	0

National Influenza Surveillance, Bangladesh (NISB)
Sentinel Site wise severe acute respiratory infections (SARI) Lab Results
August 2023

District (Site)	Sample	Flu	Flu%	Flu A	Flu B	Flu A+B	AH1	AH3	AH1pdm09	AH5	AH3v	AH7	H1pdm09+H3,VIC	H1pdm09, VIC	H3, VIC	B/Vic	B/Yama
Thakurgaon (TDH)	43	14	32.56	2	12	0	0	1	1	0	0	0	0	0	0	12	0
Naogaon (NDH)	46	18	39.13	7	11	0	0	6	1	0	0	0	0	0	0	11	0
Satkhira (SDH)	44	4	9.09	0	4	0	0	0	0	0	0	0	0	0	0	4	0
Narshingdi (NDH)	50	11	22.00	7	4	0	0	5	2	0	0	0	0	0	0	4	0
Habiganj (HDH)	47	21	44.68	9	12	0	0	5	4	0	0	0	0	0	0	12	0
Cox's Bazar (CDH)	48	9	18.75	4	5	0	0	3	1	0	0	0	0	0	0	5	0
Joypurhat (JDH)	47	8	17.02	1	7	0	0	0	1	0	0	0	0	0	0	7	0
DMCH (DMC)	50	3	6.00	1	2	0	0	0	1	0	0	0	0	0	0	2	0
Patuakhali (PDH)	49	17	34.69	1	16	0	0	1	0	0	0	0	0	0	0	16	0
Gazipur (GMCH)	43	10	23.26	7	3	0	0	3	4	0	0	0	0	0	0	3	0
Total	467	115	24.63	39	76	0	0	24	15	0	0	0	0	0	0	76	0

National Influenza Surveillance, Bangladesh (NISB)
Monthly Enrolment by Different Age Groups
August 2023

Age Group (In Year)	ILI					SARI				
	Sample	Flu	Flu%	Covid-19	Covid-19%	Sample	Flu	Flu%	Covid-19	Covid-19%
<1	74	17	22.97	1	1.35	73	10	13.70	0	0.00
1 to <5	247	103	41.70	5	2.02	130	40	30.77	1	0.77
5 to <15	170	73	42.94	6	3.53	80	23	28.75	0	0.00
15 to<25	52	16	30.77	1	1.92	51	16	31.37	0	0.00
25 to<40	45	17	37.78	0	0.00	47	13	27.66	1	2.13
40 to<60	39	11	28.21	2	5.13	43	8	18.60	0	0.00
≥60	09	4	44.44	0	0.00	43	5	11.63	1	2.33
Total	636	241	37.89	15	2.36	467	115	24.63	03	0.64

National Influenza Surveillance, Bangladesh (NISB)
Sentinel Site wise Influenza Lab Results (ILI & SARI)
September 2022 – August 2023

District (Site)	Sample	Flu	Flu%	Flu A	Flu B	Flu A+B	AH1	AH3	AH1pdm09	AH5	AH3v	AH7	H1pdm09+H3,VIC	H1pdm09, VIC	H3, VIC	B/Vic	B/Yama
Thakurgaon (TDH)	1076	74	6.88	16	58	0	0	10	6	0	0	0	0	0	0	58	0
Naogaon (NDH)	1060	66	6.23	20	46	0	0	15	4	0	0	0	0	0	1	46	0
Satkhira (SDH)	1053	76	7.22	47	29	0	0	37	9	0	0	0	0	0	1	29	0
Narshingdi (NDH)	1066	61	5.72	31	30	0	0	21	6	0	0	0	2	1	1	30	0
Habiganj (HDH)	1050	81	7.71	36	45	0	0	22	11	0	0	0	0	1	2	45	0
Cox's Bazar (CDH)	1051	57	5.42	31	26	0	0	30	1	0	0	0	0	0	0	26	0
Joypurhat (JDH)	1137	64	5.63	21	43	0	0	13	7	0	0	0	0	1	0	43	0
DMCH (DMC)	1079	50	4.63	27	23	0	0	12	13	0	0	0	0	0	2	23	0
Patuakhali (PDH)	1163	83	7.14	30	53	0	0	23	5	0	0	0	0	0	2	53	0
Gazipur (GMCH)	1096	53	4.84	31	22	0	0	14	17	0	0	0	0	0	0	22	0
Total	10831	665	6.14	290	375	0	0	197	79	0	0	0	2	3	9	375	0

National Influenza Surveillance, Bangladesh (NISB)
COVID-19 Lab Results of ILI & SARI
September 2022 – August 2023

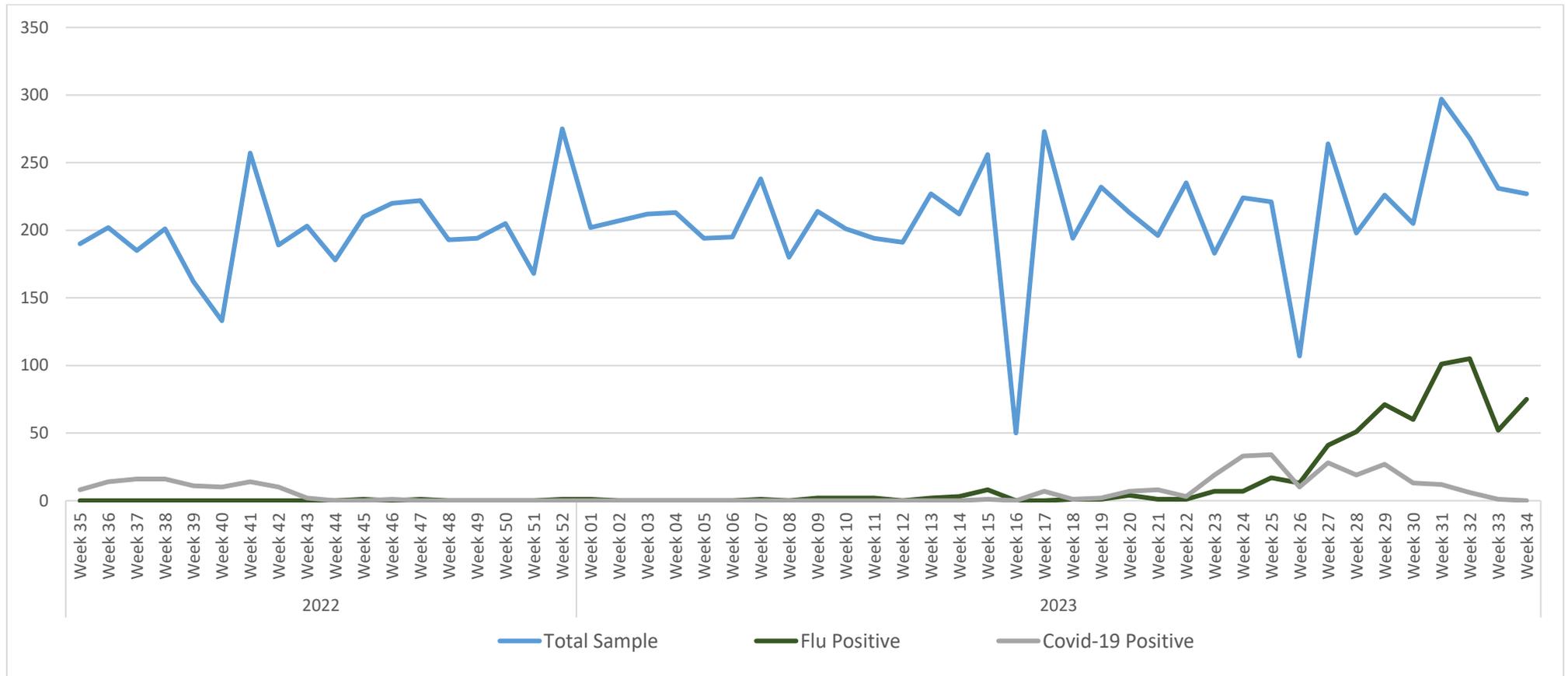| District (Site)	ILI			SARI		
	Sample	Covid-19	Covid-19%	Sample	Covid-19	Covid-19%
Thakurgaon (TDH)	548	23	4.20	528	15	2.84
Naogaon (NDH)	543	11	2.03	517	14	2.71
Satkhira (SDH)	553	17	3.07	500	12	2.40
Narshingdi (NDH)	563	11	1.95	503	7	1.39
Habiganj (HDH)	520	25	4.81	530	21	3.96
Cox's Bazar (CDH)	528	31	5.87	523	15	2.87
Joypurhat (JDH)	584	20	3.42	553	19	3.44
DMCH (DMC)	558	9	1.61	521	19	3.65
Patuakhali (PDH)	618	31	5.02	545	14	2.57
Gazipur (GMCH)	562	15	2.67	534	5	0.94
Total	5577	193	3.46	5254	141	2.68

National Influenza Surveillance, Bangladesh (NISB)
Influenza Lab & Covid-19 Results by Different Age Groups
September 2022 – August 2023

Age Group (In Year)	ILI					SARI				
	Sample	Flu	Flu%	Covid-19	Covid-19%	Sample	Flu	Flu%	Covid-19	Covid-19%
<1	1167	42	3.60	30	2.57	1584	25	1.58	32	2.02
1 to <5	1710	176	10.29	38	2.22	1108	67	6.05	29	2.62
5 to <15	916	134	14.63	34	3.71	540	39	7.22	10	1.85
15 to<25	508	50	9.84	33	6.50	397	21	5.29	14	3.53
25 to<40	542	40	7.38	28	5.17	460	18	3.91	19	4.13
40 to<60	425	17	4.00	21	4.94	564	14	2.48	22	3.90
≥60	309	8	2.59	09	2.91	601	14	2.33	18	3.00
Total	5577	467	8.37	193	3.46	5254	198	3.77	141	2.68

National Influenza Surveillance, Bangladesh (NISB)
Influenza Seasonality Graph (Weekly)
Week 35 (2022) - Week 34 (2023)
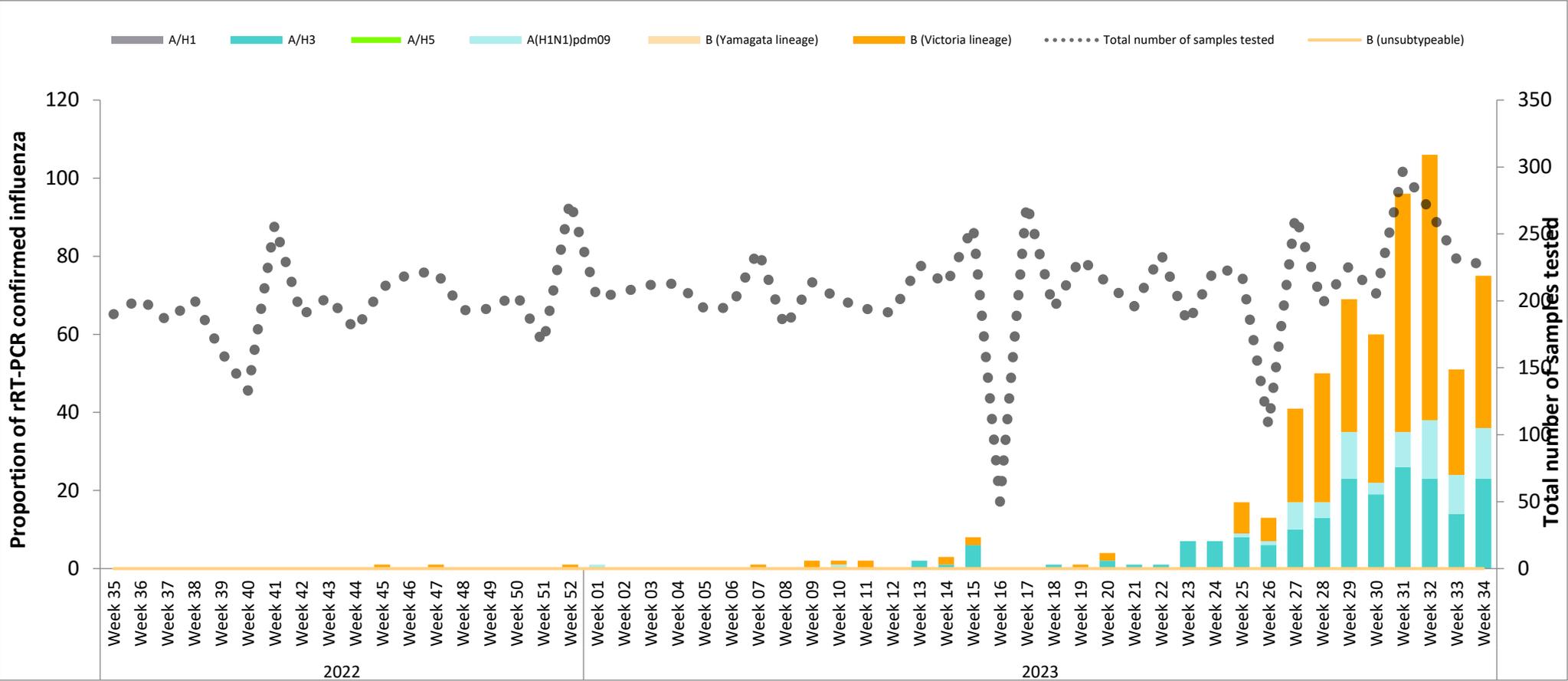
National Influenza Surveillance, Bangladesh (NISB)
Influenza & Covid-19 Seasonality Graph (Weekly)
Week 35 (2022) - Week 34 (2023)

Sentinel Site wise Influenza Lab Results (ILI & SARI)
# Surveillance Initiation – August 2023

District (Site)	Initiation	Sample	Flu	Flu%	Flu A	Flu B	Flu A+B	AH1	AH3	AH1pdm09	AH5	AH3v	AH7	H1pdm09+H3	H1pdm09+H3,VIC	H1pdm09+VIC	H3,VIC	B/Vic	B/Yama
Thakurgaon(TDH)	April-2010	4731	443	9.36	242	199	2	1	154	88	0	0	0	2	0	0	0	110	20
Gaibandha*(GDH)	April-2010	189	21	11.11	9	12	0	0	6	3	0	0	0	0	0	0	0	0	0
Naogaon (NDH)	April-2010	4952	342	6.91	165	174	3	1	104	62	0	0	0	2	0	0	1	97	27
Sirajganj* (SDH)	April-2010	283	38	13.43	14	24	0	0	12	2	0	0	0	0	0	0	0	0	0
Kushtia* (KDH)	April-2010	157	17	10.83	4	13	0	0	1	3	0	0	0	0	0	0	0	0	0
Satkhira (SDH)	April-2010	4473	280	6.26	188	91	1	0	125	63	0	0	0	1	0	0	1	54	4
Netrokona* (NDH)	April-2010	268	32	11.94	15	17	0	0	11	4	0	0	0	0	0	0	0	0	0
Narshindi (NDH)	April-2010	4953	305	6.16	180	123	2	1	96	81	0	0	0	0	2	1	1	77	16
Faridpur* (FDH)	April-2010	290	34	11.72	11	23	0	0	6	5	0	0	0	0	0	0	0	0	0
Habigang (HDH)	April-2010	5548	385	6.94	241	143	1	0	137	101	0	0	0	0	0	1	2	86	17
Jhalokathi* (JDH)	April-2010	280	40	14.29	9	31	0	0	7	2	0	0	0	0	0	0	0	0	0
Feni* (FDH)	April-2010	284	37	13.03	19	18	0	1	13	5	0	0	0	0	0	0	0	0	0
Rangamati* (RDH)	April-2010	256	39	15.23	17	22	0	1	9	7	0	0	0	0	0	0	0	0	0
Cox's Bazar (CDH)	April-2010	4450	314	7.06	209	104	1	0	135	72	0	0	0	1	0	0	0	41	14
Joypurhat (JDH)	April-2014	4129	246	5.96	129	116	1	0	76	53	0	0	0	0	0	1	0	83	15
Patuakhali (PDH)	April-2014	4948	327	6.61	204	118	5	0	99	61	0	0	0	3	0	0	2	88	14
DMCH (DMC)	Jan-2015	4276	218	5.10	142	74	2	0	93	91	0	0	0	0	0	0	2	74	9
Gazipur (GMCH)	Aug-2015	4330	338	7.81	217	121	0	0	150	66	0	0	0	0	0	0	0	95	26
Total		48797	3456	07.08	2015	1423	18	5	1234	769	0	0	0	9	2	3	9	805	162

*Surveillance Sites have been closed

National Influenza Surveillance, Bangladesh (NISB)
Influenza Seasonality Graph
April 2011 – August 2023
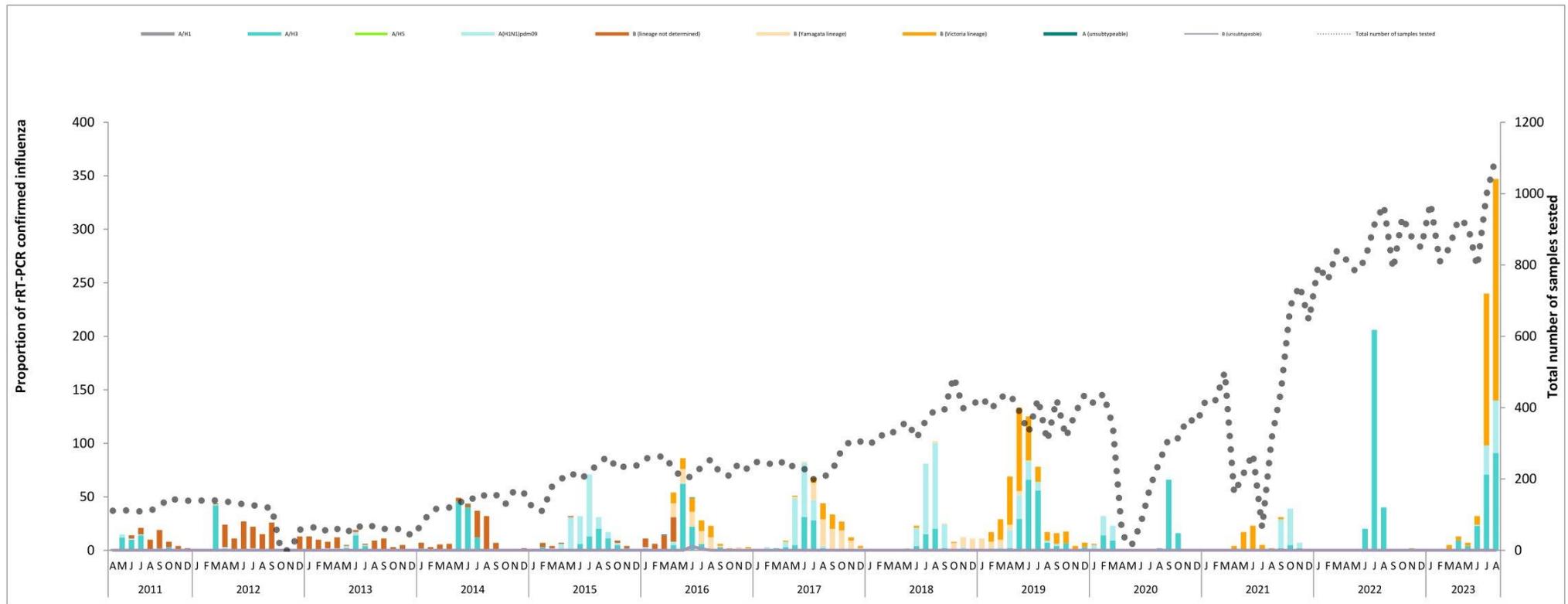
Summary: August 2023

- Weekly Sample Transportation: Done
- Total Sample Collected ILI: 636 SARI: 467
- Total flu positive: 356
- Flu positivity: 32.28%
- Total Covid-19 Positive: 19
- Covid-19 Positivity: 01.72%