

Guidance for Clinical Laboratories for Standards-Based Electronic Laboratory Reporting the Results of Influenza A and Influenza B Virus Tests (Inclusive of Influenza Type and Subtype/Lineage) to the NYSDOH Electronic Clinical Laboratory Reporting System (ECLRS)

Dear Clinical Laboratory Director:

Per Section 2.1 of Title 10 of the New York Codes, Rules, and Regulations the results of laboratory testing for Influenza Virus, including type and subtype, are required to be reported.

Permitted clinical laboratories¹ that perform influenza testing must **report all positive influenza test results, including type and subtype or lineage**, electronically to the NYSDOH Electronic Clinical Laboratory Reporting System (ECLRS) for testing performed on-site.

Specific reporting of type, subtype, and lineage should occur for influenza **testing that differentiates virus type (e.g., Influenza A or Influenza B), subtype (e.g., Influenza A/H1, Influenza A/H3, Influenza A/H5, Influenza A/H7, Influenza A/H1N1, etc.) or lineage (Influenza B/Victoria, Influenza B/Yamagata).**

Report positive results for influenza by any of the following methodologies:

- Influenza antigen detection
- A positive commercially available rapid diagnostic test for influenza
- Positive immunofluorescence antibody staining (Direct [DFA] or indirect [IFA]) for influenza
- Identification of influenza by nucleic acid amplification testing (NAAT), including reverse transcriptase polymerase chain reaction (RT-PCR)
- Identification of influenza by viral culture

We request use of the most specific and appropriate Logical Observation Identifiers Names and Codes² (LOINC®) code to report influenza type, subtype/lineage, and specimen type. Please do not use LOINC codes that do not differentiate influenza virus types.

For laboratories using Systematized Nomenclature for Medicine³ (SNOMED-CT) to report results, we request use of the most specific and appropriate result code. Preferred SNOMED-CT codes include:

1. 407479009 = Influenza A virus (organism)
2. 221000124104 = Influenza A virus subtype H1 2009 pandemic strain (organism) (currently circulating A/H1pdm09 strain)
3. 446396002 = Influenza A virus subtype H1 (organism) (seasonal H1 strain)
4. 442352004 = Influenza A virus subtype H1N1 (organism) (seasonal H1 strain)
5. 772809008 = Influenza A virus subtype H1N2 (organism)
6. 446645007 = Influenza A virus subtype H3 (organism)
7. 446646008 = Influenza A virus subtype H3N2 (organism)
8. 772807005 = Influenza A virus subtype H3N8 (organism)
9. 446647004 = Influenza A virus subtype H5 (organism)
10. 772827006 = Influenza A virus subtype H5N1 (organism)
11. 1354809009 = Influenza A virus subtype H5N2 (organism)
12. 1354813002 = Influenza A virus subtype H5N6 (organism)

¹ <https://www.wadsworth.org/regulatory/clep/approved-labs>

² <https://loinc.org/>

³ <https://www.snomed.org/use-snomed-ct>

13. 446648009 = Influenza A virus subtype H7 (organism)
14. 699872005 = Influenza A virus untyped strain present (finding)
15. 407480007 = Influenza B virus (organism)
16. 427672003 = Influenza B virus Victoria lineage (organism)
17. 426959005 = Influenza B virus Yamagata lineage (organism)
18. 260373001 = Detected
19. 10828004 = Positive
20. 260415000 = Not Detected
21. 260385009 = Negative
22. 419984006 = Inconclusive
23. 82334004 = Indeterminate
24. 125154007 = Specimen unsatisfactory for evaluation
25. 373121007 = Test not done
26. 455371000124106 = Invalid result

Please see the attached Excel workbook for preferred LOINC and SNOMED-CT codes and result text for ECLRS reporting.

Laboratories using multiplex testing platforms that include two or more of influenza A, Influenza B, SARS-CoV-2, and RSV should report to ECLRS positive results of these tests using LOINC/SNOMED-CT codes for the **individual virus results**. **Do not use the LOINC codes associated with the overall multi-pathogen test.**

The ECLRS Help Desk (866-325-7743 or eclrs@health.ny.gov) is available to assist with reporting procedures.

The Bureau of Communicable Disease Control's Respiratory Surveillance unit (RespVirusDOH@health.ny.gov or 518-473-4439) can assist with LOINC or SNOMED-CT selection for influenza test results.

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Version date 12 May 2025

INFLUENZA A VIRUS DETECTED					
	TEST METHOD	LOINC	LOINC LONG COMMON NAME	REPORT POSITIVE/DETECTABLE RESULT TO ECLRS AS:	
				TEXT RESULT	SNOMED-CT RESULT
INFLUENZA A (NOT SUBTYPED)	ANTIGEN DETECTION	50697-2	Influenza virus A Ag [Identifier] in Isolate	Flu A (influenza A antigen present)	407479009 = Influenza A virus (organism)
		46082-4	Influenza virus A Ag [Presence] in Nasopharynx by Immunoassay	Flu A (influenza A antigen present)	407479009 = Influenza A virus (organism)
		44564-3	Influenza virus A Ag [Presence] in Nose by Immunoassay	Flu A (influenza A antigen present)	407479009 = Influenza A virus (organism)
		80382-5	Influenza virus A Ag [Presence] in Upper respiratory specimen by Rapid immunoassay	Flu A (influenza A antigen present)	407479009 = Influenza A virus (organism)
		44562-7	Influenza virus A Ag [Presence] in Bronchial specimen	Flu A (influenza A antigen present)	407479009 = Influenza A virus (organism)
		5862-8	Influenza virus A Ag [Presence] in Specimen by Immunoassay	Flu A (influenza A antigen present)	407479009 = Influenza A virus (organism)
	IMMUNOFLUORESCENCE DFA/IFA	49529-1	Influenza virus A Ag [Presence] in Isolate by Immunofluorescence	Flu A (influenza A antigen present)	407479009 = Influenza A virus (organism)
		44558-5	Influenza virus A Ag [Presence] in Nasopharynx by Immunofluorescence	Flu A (influenza A antigen present)	407479009 = Influenza A virus (organism)
		44560-1	Influenza virus A Ag [Presence] in Nose by Immunofluorescence	Flu A (influenza A antigen present)	407479009 = Influenza A virus (organism)
		88904-8	Influenza virus A Ag [Presence] in Lower respiratory specimen by Immunofluorescence	Flu A (influenza A antigen present)	407479009 = Influenza A virus (organism)
		5863-6	Influenza virus A Ag [Presence] in Specimen by Immunofluorescence	Flu A (influenza A antigen present)	407479009 = Influenza A virus (organism)
	NAAT/PCR	76078-5	Influenza virus A RNA [Presence] in Nasopharynx by NAA with probe detection	Flu A (influenza A virus present)	407479009 = Influenza A virus (organism)
		100973-7	Influenza virus A RNA [Presence] in Nose by NAA with non-probe detection	Flu A (influenza A virus present)	407479009 = Influenza A virus (organism)
		85477-8	Influenza virus A RNA [Presence] in Upper respiratory specimen by NAA with probe detection	Flu A (influenza A virus present)	407479009 = Influenza A virus (organism)
		88599-6	Influenza virus A RNA [Presence] in Lower respiratory specimen by NAA with probe detection	Flu A (influenza A virus present)	407479009 = Influenza A virus (organism)
		34487-9	Influenza virus A RNA [Presence] in Specimen by NAA with probe detection	Flu A (influenza A virus present)	407479009 = Influenza A virus (organism)
	VIRAL CULTURE	48310-7	Influenza virus A [Presence] in Specimen by Organism specific culture	Flu A (influenza A virus present)	407479009 = Influenza A virus (organism)

INFLUENZA A VIRUS DETECTED by SUBTYPE					
	TEST METHOD	LOINC	LOINC LONG COMMON NAME	REPORT POSITIVE/DETECTABLE RESULT TO ECLRS AS:	
				TEXT RESULT	SNOMED-CT RESULT
INFLUENZA A - H1	ANTIGEN DETECTION	50701-2	Influenza virus A H1 Ag [Presence] in Isolate by Immunofluorescence	Flu A, subtype H1 (influenza A/H1 antigen present)	446396002 = Influenza A virus subtype H1 (organism)
		85802-7	Influenza virus A H1 Ag [Titer] in Isolate by Hemagglutination inhibition	Flu A, subtype H1 (influenza A/H1 antigen present)	446396002 = Influenza A virus subtype H1 (organism)
	NAAT/PCR	49520-0	Influenza virus A H1 RNA [Presence] in Isolate by NAA with probe detection	Flu A, subtype H1 (influenza A/H1 virus present)	446396002 = Influenza A virus subtype H1 (organism)
		82167-8	Influenza virus A H1 RNA [Presence] in Nasopharynx by NAA with non-probe detection	Flu A, subtype H1 (influenza A/H1 virus present)	446396002 = Influenza A virus subtype H1 (organism)
		77026-3	Influenza virus A H1 RNA [Presence] in Nasopharynx by NAA with probe detection	Flu A, subtype H1 (influenza A/H1 virus present)	446396002 = Influenza A virus subtype H1 (organism)
		101423-2	Influenza virus A H1 RNA [Presence] in Respiratory system specimen by NAA with probe detection	Flu A, subtype H1 (influenza A/H1 virus present)	446396002 = Influenza A virus subtype H1 (organism)
		94396-9	Influenza virus A H1 RNA [Presence] in Lower respiratory specimen by NAA with probe detection	Flu A, subtype H1 (influenza A/H1 virus present)	446396002 = Influenza A virus subtype H1 (organism)
		92809-3	Influenza virus A H1 RNA [Presence] in Upper respiratory specimen by NAA with probe detection	Flu A, subtype H1 (influenza A/H1 virus present)	446396002 = Influenza A virus subtype H1 (organism)
		49521-8	Influenza virus A H1 RNA [Presence] in Specimen by NAA with probe detection	Flu A, subtype H1 (influenza A/H1 virus present)	446396002 = Influenza A virus subtype H1 (organism)
		105076-4	Influenza virus A H1 RNA [Presence] in Specimen	Flu A, subtype H1 (influenza A/H1 virus present)	446396002 = Influenza A virus subtype H1 (organism)
INFLUENZA A - H1N1 H1 2009 pandemic	NAAT/PCR	60494-2	Influenza virus A H1 2009 pandemic and Influenza virus A swine origin RNA [Interpretation] in Specimen Qualitative by NAA with probe detection	Flu A, subtype H1 2009 pandemic (influenza A/H1 pandemic virus present)	221000124104 = Influenza A virus subtype H1 2009 pandemic strain (organism)
		82168-6	Influenza virus A H1 2009 pandemic RNA [Presence] in Nasopharynx by NAA with non-probe detection	Flu A, subtype H1 2009 pandemic (influenza A/H1 pandemic virus present)	221000124104 = Influenza A virus subtype H1 2009 pandemic strain (organism)
		77028-9	Influenza virus A H1 2009 pandemic RNA [Presence] in Nasopharynx by NAA with probe detection	Flu A, subtype H1 2009 pandemic (influenza A/H1 pandemic virus present)	221000124104 = Influenza A virus subtype H1 2009 pandemic strain (organism)
		94395-1	Influenza virus A H1 2009 pandemic RNA [Presence] in Lower respiratory specimen by NAA with probe detection	Flu A, subtype H1 2009 pandemic (influenza A/H1 pandemic virus present)	221000124104 = Influenza A virus subtype H1 2009 pandemic strain (organism)
		55465-9	Influenza virus A H1 2009 pandemic RNA [Presence] in Specimen by NAA with probe detection	Flu A, subtype H1 2009 pandemic (influenza A/H1 pandemic virus present)	221000124104 = Influenza A virus subtype H1 2009 pandemic strain (organism)

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INFLUENZA A VIRUS DETECTED by SUBTYPE					
INFLUENZA A - H3	TEST METHOD	LOINC	LOINC LONG COMMON NAME	REPORT POSITIVE/DETECTABLE RESULT TO ECLRS AS:	
	ANTIGEN DETECTION	85803-5	Influenza virus A H3 Ag [Titer] in <u>Isolate</u> by Hemagglutination inhibition	TEXT RESULT	SNOMED-CT RESULT
	IMMUNOFLUORESCENCE DFA/IFA	49522-6	Influenza virus A H3 Ag [Presence] in <u>Isolate</u> by Immunofluorescence	Flu A, subtype H3 (influenza A/H3 antigen present)	446645007 = Influenza A virus subtype H3 (organism)
NAAT/PCR	77027-1	Influenza virus A H3 RNA [Presence] in <u>Nasopharynx</u> by NAA with probe detection	Flu A, subtype H3 (influenza A/H3 virus present)	446645007 = Influenza A virus subtype H3 (organism)	
	82169-4	Influenza virus A H3 RNA [Presence] in <u>Nasopharynx</u> by NAA with non-probe detection	Flu A, subtype H3 (influenza A/H3 virus present)	446645007 = Influenza A virus subtype H3 (organism)	
	49523-4	Influenza virus A H3 RNA [Presence] in <u>Isolate</u> by NAA with probe detection	Flu A, subtype H3 (influenza A/H3 virus present)	446645007 = Influenza A virus subtype H3 (organism)	
	94394-4	Influenza virus A H3 RNA [Presence] in <u>Lower respiratory specimen</u> by NAA with probe detection	Flu A, subtype H3 (influenza A/H3 virus present)	446645007 = Influenza A virus subtype H3 (organism)	
	92808-5	Influenza virus A H3 RNA [Presence] in <u>Upper respiratory specimen</u> by NAA with probe detection	Flu A, subtype H3 (influenza A/H3 virus present)	446645007 = Influenza A virus subtype H3 (organism)	
	101424-0	Influenza virus A H3 RNA [Presence] in <u>Respiratory system specimen</u> by NAA with probe detection	Flu A, subtype H3 (influenza A/H3 virus present)	446645007 = Influenza A virus subtype H3 (organism)	
	49524-2	Influenza virus A H3 RNA [Presence] in <u>Specimen</u> by NAA with probe detection	Flu A, subtype H3 (influenza A/H3 virus present)	446645007 = Influenza A virus subtype H3 (organism)	
INFLUENZA A - H5	ANTIGEN DETECTION	85804-3	Influenza virus A H5 Ag [Titer] in <u>Isolate</u> by Hemagglutination inhibition	Flu A, subtype H5 (influenza A/H5 antigen present)	446647004 = Influenza A virus subtype H5 (organism)
	NAAT/PCR	38272-1	Influenza virus A H5 RNA [Presence] in <u>Specimen</u> by NAA with probe detection	Flu A, subtype H5 (influenza A/H5 virus present)	446647004 = Influenza A virus subtype H5 (organism)
		68986-9	Influenza virus A H5a RNA [Presence] in <u>Specimen</u> by NAA with probe detection	Flu A, subtype H5 (influenza A/H5 virus present)	446647004 = Influenza A virus subtype H5 (organism)
		68987-7	Influenza virus A H5b RNA [Presence] in <u>Specimen</u> by NAA with probe detection	Flu A, subtype H5 (influenza A/H5 virus present)	446647004 = Influenza A virus subtype H5 (organism)
INFLUENZA A - H7	ANTIGEN DETECTION	85805-0	Influenza virus A H7 Ag [Titer] in <u>Isolate</u> by Hemagglutination inhibition	Flu A, subtype H7 (influenza A/H7 antigen present)	446648009 = Influenza A virus subtype H7 (organism)
	NAAT/PCR	49527-5	Influenza virus A H7 RNA [Presence] in <u>Isolate</u> by NAA with probe detection	Flu A, subtype H7 (influenza A/H7 virus present)	446648009 = Influenza A virus subtype H7 (organism)
		38270-5	Influenza virus A H7 RNA [Presence] in <u>Specimen</u> by NAA with probe detection	Flu A, subtype H7 (influenza A/H7 virus present)	446648009 = Influenza A virus subtype H7 (organism)
INFLUENZA A VIRUS DETECTED USE LOINC IN CONJUNCTION WITH TEXT RESULT FIELD TO REPORT SUBTYPE					
INFLUENZA A SUBTYPE (USE LOINC IN CONJUNCTION WITH TEXT RESULT FIELD TO REPORT SUBTYPE)	TEST METHOD	LOINC	LOINC LONG COMMON NAME	TEXT RESULT	SNOMED-CT RESULT
	NAAT/PCR	88187-0	Influenza virus A subtype [Identifier] in <u>Cornea or Conjunctiva</u> by NAA with probe detection	Influenza A virus with specific subtype as reported in result fields (e.g., Influenza A/H1, Influenza A/H1N1, Influenza A/H1 pdm09, Influenza A/H3, etc.)	See above and attached for Influenza A virus subtype specific SNOMED-CT
		91771-6	Influenza virus A subtype [Identifier] in <u>Upper respiratory specimen</u> by NAA with probe detection	Influenza A virus with specific subtype as reported in result fields (e.g., Influenza A/H1, Influenza A/H1N1, Influenza A/H1 pdm09, Influenza A/H3, etc.)	See above and attached for Influenza A virus subtype specific SNOMED-CT
		22827-0	Influenza virus A subtype [Identifier] in <u>Specimen</u> by NAA with probe detection	Influenza A virus with specific subtype as reported in result fields (e.g., Influenza A/H1, Influenza A/H1N1, Influenza A/H1 pdm09, Influenza A/H3, etc.)	See above and attached for Influenza A virus subtype specific SNOMED-CT
		91072-9	Influenza virus A subtype [Identifier] in <u>Lower respiratory specimen</u> by NAA with probe detection	Influenza A virus with specific subtype as reported in result fields (e.g., Influenza A/H1, Influenza A/H1N1, Influenza A/H1 pdm09, Influenza A/H3, etc.)	See above and attached for Influenza A virus subtype specific SNOMED-CT

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INFLUENZA B VIRUS DETECTED					
			REPORT POSITIVE/DETECTABLE RESULT TO ECLRS AS:		
INFLUENZA B (NO LINEAGE)	TEST METHOD	LOINC	LOINC LONG COMMON NAME	TEXT RESULT	SNOMED-CT RESULT
	ANTIGEN DETECTION	46083-2	Influenza virus B Ag [Presence] in Nasopharynx by Immunoassay	Flu B (influenza B antigen present)	407480007 = Influenza B virus (organism)
		44575-9	Influenza virus B Ag [Presence] in Nose by Immunoassay	Flu B (influenza B antigen present)	407480007 = Influenza B virus (organism)
		80383-3	Influenza virus B Ag [Presence] in Upper respiratory specimen by Rapid immunoassay	Flu B (influenza B antigen present)	407480007 = Influenza B virus (organism)
		5866-9	Influenza virus B Ag [Presence] in Specimen by Immunoassay	Flu B (influenza B antigen present)	407480007 = Influenza B virus (organism)
	IMMUNOFLUORESCENCE DFA/IFA	44571-8	Influenza virus B Ag [Presence] in Nasopharynx by Immunofluorescence	Flu B (influenza B antigen present)	407480007 = Influenza B virus (organism)
		44573-4	Influenza virus B Ag [Presence] in Nose by Immunofluorescence	Flu B (influenza B antigen present)	407480007 = Influenza B virus (organism)
		80383-3	Influenza virus B Ag [Presence] in Upper respiratory specimen by Rapid immunoassay	Flu B (influenza B antigen present)	407480007 = Influenza B virus (organism)
		88905-5	Influenza virus B Ag [Presence] in Lower respiratory specimen by Immunofluorescence	Flu B (influenza B antigen present)	407480007 = Influenza B virus (organism)
		5867-7	Influenza virus B Ag [Presence] in Specimen by Immunofluorescence	Flu B (influenza B antigen present)	407480007 = Influenza B virus (organism)
	NAAT/PCR	49535-8	Influenza virus B RNA [Presence] in Isolate by NAA with probe detection	Flu B (influenza B virus present)	407480007 = Influenza B virus (organism)
		80591-1	Influenza virus B NS gene [Presence] in Nasopharynx by NAA with probe detection	Flu B (influenza B virus present)	407480007 = Influenza B virus (organism)
		100974-5	Influenza virus B RNA [Presence] in Nose by NAA with non-probe detection	Flu B (influenza B virus present)	407480007 = Influenza B virus (organism)
		85478-6	Influenza virus B RNA [Presence] in Upper respiratory specimen by NAA with probe detection	Flu B (influenza B virus present)	407480007 = Influenza B virus (organism)
		92141-1	Influenza virus B RNA [Presence] in Respiratory system specimen by NAA with probe detection	Flu B (influenza B virus present)	407480007 = Influenza B virus (organism)
40982-1		Influenza virus B RNA [Presence] in Specimen by NAA with probe detection	Flu B (influenza B virus present)	407480007 = Influenza B virus (organism)	
VIRAL CULTURE	38382-8	Influenza virus B [Presence] in Specimen by Organism specific culture	Flu B (influenza B virus present)	407480007 = Influenza B virus (organism)	
INFLUENZA B VIRUS DETECTED by LINEAGE					
			REPORT POSITIVE/DETECTABLE RESULT TO ECLRS AS:		
	LOINC	LOINC LONG COMMON NAME	TEXT RESULT	SNOMED-CT RESULT	
INFLUENZA B LINEAGE / VICTORIA	85821-7	Influenza virus B Victoria lineage Ag [Presence] in Isolate by Hemagglutination inhibition	Influenza B, Victoria lineage (influenza B/Victoria virus present)	427672003 = Influenza B virus Victoria lineage (organism)	
	74785-7	Influenza virus B Victoria lineage RNA [Presence] in Specimen by NAA with probe detection	Influenza B, Victoria lineage (influenza B/Victoria virus present)	427672003 = Influenza B virus Victoria lineage (organism)	
INFLUENZA B LINEAGE / YAMAGATA	86318-3	Influenza virus B Yamagata lineage Ag [Presence] in Isolate by Hemagglutination inhibition	Influenza B, Yamagata lineage (influenza B/Yamagata virus present)	426959005 = Influenza B virus Yamagata lineage (organism)	
	74786-5	Influenza virus B Yamagata lineage RNA [Presence] in Specimen by NAA with probe detection	Influenza B, Yamagata lineage (influenza B/Yamagata virus present)	426959005 = Influenza B virus Yamagata lineage (organism)	

¹ <https://www.wadsworth.org/regulatory/clip/clinical-labs>