

OMB Approved. 0920-1299
Exp. Date XX/XX/2020

Public reporting burden of this collection of information is estimated to average 60 minutes per response, including reviewing existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information, conducting the review, conducting or sponsoring the collection of information, and conducting or sponsoring the review, and a person is not required to respond to a collection of information unless it displays a unique identification number. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden, to Washington Headquarters Office of Management and Budget, Paperwork Project Director (0920-1299), Washington, DC 20503. Reports Clearance Officer, 1600 Clifton Road NE, MS D-74, Atlanta, Georgia 30333.

Legend

	field must be filled out	
	either one of the highlighted fields must be filled out	
	either one of the highlighted fields must be filled out	
	either one of the highlighted fields must be filled out	
	either one of the highlighted fields must be filled out	
	either one of the highlighted fields must be filled out	
	either one of the highlighted fields must be filled out	
	section separators	
YYYYMMDD[HHMMSS]	Date format where the first 4 (Y) are the year, the next 2 (M) are the months, the next 2 (D) are the days, the next 2 (H) are the hours, the next 2 (M) are the minutes, the next 2 (S) the seconds	
Row "Use of csv file":	Indicates if use is for CDC = CDC and PHA_EL	
Row "Mapping to HL7":	Provides the mapping to the HL7 element, where it can be found based on	
Row "Sections":	Identifies the sections	
Row "Instructions":	Provides some instructions / allowed formats or values	
Row "CSV Column name"	CSV column headers and the only thing that will be in the upload file - see t	
Epi Questions	For each disease there will be a list of required / desired EPI questions that	
Use of csv file	CDC	CDC

Mapping to HL7	OBR-3	SPM-2.2.1 (v2.5.1)	SPM-2.1.1 (v2.5.1)
Sections			
Instructions	<p>Must have either this or Testing_lab_specimen_ID valued order number assigned by the testing lab</p>	<p>Must have either this or Testing_lab_accession_number valued (can have both)</p> <p>If not available: Use another unique laboratory ID from your system if available. If not, it is suggested to: Create unique ID by concatenating</p> <ul style="list-style-type: none"> - Date/time initially entered (to millisecond) - Specimen collection date (if present) - SNOMED-CT of specimen type (if present) - Name of laboratory (if present) 	

CSV Column name	Testing_lab_accession_number	Testing_lab_specimen_ID	Submitter_unique_sample_ID
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<p>response, including the time for reviewing instructions, reviewing the collection of information. An agency may not display a currently valid OMB Control Number. Send comments and suggestions for reducing this burden to CDC/ATSDR, 1600 Clifton Road, NE, Atlanta, GA 30333; ATTN: PRA 0920-XXXX</p>					
<p>1) the month, then next 2 (D) the day - to use for time is optional: the next 2 (H) the hour, the next 2 (M)</p>					
<p>V2.5.1 - mapping to other HL7 versions will be added at a later point in time</p>					
<p>tab "csvFileHeadersOnly_CDC_COVID19" for CDC specific file</p>					
<p>are of interest - the appropriate list should be provided accordingly - a few generic questions would be Pa</p>					
CDC	CDC	CDC	CDC	CDC	CDC

SPM-2.1.2 (v2.5.1)	OBX-23.1 (v2.5.1)	OBX-23.10 (v2.5.1)	OBX-23.7 (v2.5.1)	OBX-24.1 (v2.5.1)	OBX-24.3 (v2.5.1)

Identifiers (will repeat across rows for each specimen / accession)

Name of the organization that created the specimen ID	<p>Must have either this or Testing_lab_ID valued (can have both)</p> <p>If BOTH Testing_lab_ID and Testing_lab_name are unavailable, populate with the literal value 'NULL'</p>	<p>Must have either this or Testing_lab_name valued (can have both)</p> <p>This can be CLIA, NPI or OID</p>	Expected values: CLIA NPI OID		

Submitter_sample_ID_assigner
Testing_lab_name
Testing_lab_ID
Testing_lab_ID_type
Testing_lab_street_address
Testing_lab_city

Abbreviations					
LN	LOINC	SCT	SNOMED CT		
PLT	Public Health Lab	PLR	Public Health Lab Results		
L	Local	HL70070	Specimen type table from V2.3.1		
		HL70487	Specimen type table from V2.5.1		
tient_age_at_specimen_collection, or Illness_onset_date or pregnancy_status					
CDC	CDC	CDC	CDC	CDC	CDC

OBX-24.4 (v2.5.1)	OBX-24.5 (v2.5.1)	PID-3.1	PID-3.4	PID-3.5	PID-7
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	5 or 9 digits	<p>Must have this valued This should uniquely identify the patient over time. Preferred IDs are from the submitter or the PHA, to allow linking with case data. Do NOT send SSI or Medical Record Number</p> <p>If not available: Use PH-Case ID or internal surveillance ID, or specimen ID/accesion number.</p>	Name of the organization that created the patient ID	Expected values: PI = Patient Internal ID	<p>Format YYYYMMDD[H HMMSS] If this cannot be provided, please provide Patient age in EPI section</p>
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Testing_lab_state
Testing_lab_zip_code
Patient_ID
Patient_ID_assigner
Patient_ID_type
Patient_DOB

PID-8	PID-10.2	PID-11.3	PID-11.4	PID-11.5	PID-11.9
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Patient Information (will repeat across rows for each patient, can span more than one specimen)

<p>Expected Values: (M) Male (F) Female (O) Other (U) Unknown (A) Ambiguous</p>	<p>Expected Values: (1002-5) American Indian or Alaska Native (2028-9) Asian (2054-5) Black or African American (2076-8) Native Hawaiian or Other Pacific Islander (2106-3) White (U) Unknown</p> <p>Multiple race values are allowed and should be delimited using ";".</p>		<p>Must have either this or Ordering_facility_state or Ordering_provider_state valued</p> <p>If not available: populate with the literal value 'NULL'</p>	5 or 9 digits	
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Patient_gender	
Patient_race	
Patient_city	
Patient_state	
Patient_zip_code	
Patient_county	

<p>PID-22.2</p>	<p>OBX-5.1 if NM or OBX-5.2, if SN, where OBX-3.1 = 21612-7, 29553-5, 35659-2, 30525-0 OBX-6 should be years (not sure how to handle this given the bad HL7 I have seen, ideally we could use OBX-6.2, so maybe we need to add age unit for the HL7?!</p>	<p>OBX-5, where OBX-3.1 = 11368-8 OBX-2 = DT</p>	<p>OBX-2 = CE or CWE OBX-5.2, where OBX-3.1 = 82810-3, 11449-6 expected answers would be Yes: Y^Yes^HL70136 or 77386006^Patient currently pregnant^SCT or 102874004^Possible pregnancy^SCT No = N^No^HL70136 or 60001007^Not pregnant^SCT UNK^Unknown^NULLFL not sure what else - just take what we get</p>
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EPI Questions - pre

<p>Expected values: (H) Hispanic (N) Not-Hispanic (U) Unknown</p>	<p>Report in years</p>		<p>Expected answers: Yes No N/A</p>
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Patient_ethnicity



Patient_Age

Illness_Onset_Date

Pregnant

<p>OBX-2 = CE or CWE OBX-5.2, where OBX-3.1 = 75325-1, INV576(PHINQUESTION)) expected answers: Y^Yes^HL70136 N^no^HL70136 UNK^Unknown^NULLFL L not sure what else - just take what we get</p>	<p>OBX-2 = CE or CWE OBX-5.2, , where OBX-3.1 = 56816-2, LAB330 (PHINQUESTION) expected answers: I^Inpatient^HL70004 or 44065400^Inpatient environment^SCT O^Outpatient^HL70004 309904001^Intensive Care Unit^SCT 282E00000X^Long Term Care Hospital^HCPT or 42665001^Nursing home^SCT not sure what else - just take what we get OR PV1-2 coded with I = Inpatient E = Emergency O = Outpatient</p>	<p>NK1-11 may provide the job class code (NK1-5 = SEF for self, to give us information about the patient) OBX-2 = CE or CWE OBX-5.2, , but NOT SURE about the code they will use, if anyone even has this expected answers: Y^Yes^HL70136 N^no^HL70136 UNK^Unknown^NULLFL not sure what else - just take what we get</p>
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-defined (will repeat across rows for each patient or specimen)

<p>Fever, cough, shortness of breath, fatigue Expected answers: Yes No</p>	<p>Expected answers: (I) Hospitalized ICU Long term care (O) Outpatient (E) Emergency</p>	<p>These are healthcare workers, first responders, essential services worker Expected answers: Yes No</p>
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Symptomatic_for_disease	Patient_location	Employed_in_high_risk_settings
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<p>OBX-2 = CX OBX-5.1 & OBX-5.4, where OBX-3.1 = 94659-0, or PLT248 AND OBX-5.5. = "PHC" - need to keep the assigning authority, if sent as well (just use the ^)</p>	<p>SPM-4.1 (v2.5.1) OBR-15.1.1 (V2.3.1)</p>	<p>SPM-4.2 (v2.5.1) OBR-15.1.2 (V2.3.1)</p>	<p>SPM-4.3 (v2.5.1) OBR-15.1.3 (V2.3.1)</p>
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Specimen Information (will repeat across rows)

<p>The case ID assigned by the PHA - ideally this would be the NCOV-ID in the following format: ZZNNNNNN, where ZZ is the 2 letter state abbreviation and N is a numeric (e.g. : AR000001)</p>	<p>Must have either this or specimen_type_description or specimen_type_free_text valued (can have all three) If not available: populate with the literal value '119324002' (Specimen_type_code_syste m: SCT)</p>	<p>Must have either this or specimen_type_code or specimen_type_free_text valued (can have all three) If not available: populate with the literal value 'Specimen of unknown material'</p>	<p>Allowed values: HL70070 HL70487 SCT PLR L</p>
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Public_Health_Case_ID
Specimen_type_code
Specimen_type_description
Specimen_type_code_system

SPM-4.9 (v2.5.1) OBR-15.3 (V2.3.1)	OBR-7 SPM-17.1 (v2.5.1 only)	OBR-14 SPM-18.1 (V2.5.1 only)	ORC-12 / OBR-16 or ORC-21.1	ORC-12.2 / OBR- 16.2
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ross rows for each specimen)

Ordering Provider i

<p>Must have either this or specimen_type_code or or specimen_type_description valued (can have all three)</p> <p>If not available: populate with the literal value 'Specimen of unknown material'</p>	<p>Format YYYYMMDD[HMMSS] If unknown populate with the literal value '0000'</p>	<p>Format YYYYMMDDHHMM[SS]</p>	<p>Must have this or Ordering_facility_name or Ordering_provider_name valued</p> <p>If you capture only 1 instance of ordering provider information - regardless if person or facility - use this field</p> <p>If Ordering_facility_name, Ordering_entity_name, and Ordering_provider_name are ALL unavailable, populate with the literal value 'NULL'</p>	<p>Must have this or Ordering_facility_name or Ordering_entity_name valued</p>
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Specimen_type_free_text

Specimen_collection_date_time

Specimen_received_date_time

Ordering_entity_name

Ordering_provider_last_name

ORC-12.3 / OBR-16.3	ORC-24.1	ORC-24.3	ORC-24.4	ORC-24.5	ORC-21.1

information (will repeat across rows for each order)

C

			<p>Must have either this or Patient_state or Ordering_facility_state valued</p> <p>If not available: populate with the literal value 'NULL'</p>	5 or 9 digits	<p>Must have either this or Ordering_provider_name or Ordering_entity_name valued</p>
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Ordering_provider_first_name
Ordering_provider_street
Ordering_provider_city
Ordering_provider_state
Ordering_provider_zip_code
Ordering_facility_name

ORC-22.1	ORC-22.3	ORC-22.4	ORC-22.5	ORC-23

Ordering Facility Information (will repeat across rows for each specimen)

		<p>Must have either this or Patient_state or Ordering_provider_state valued</p> <p>If not available: populate with the literal value 'NULL'</p>	5 or 9 digits	Use format NNN-NNN-NNNN
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Ordering_facility_street
Ordering_facility_city
Ordering_facility_state
Ordering_facility_zip_code
Ordering_facility_phone_number

OBR-25	OBR-22	OBR-4.1	OBR-4.2	OBR-4.3	OBX-3.1	OBX-3.2

Order Information (will repeat across rows for each specimen)

Summary of all results under this order (this will only be different from Test_result_status for panels) For CDC allowed values: Final Corrected For PHA_ELR additionally allowed: Partial Preliminary	Must have either this or Test_Date valued Expected Format YYYYMMDDHHMM[SS]	code should be from LOINC	Expected values: LN = LOINC PLT= Public Health Lab Test L = Local	Must have either this or Test_performed_description valued code should be from LOINC	Must have either this or Test_performed_code valued
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Order_result_status
Date_result_released
Ordered_test_code
Ordered_test_description
Ordered_test_code_system
Test_performed_code
Test_performed_description

OBX-3.3	OBX-5.1 CE or CWE	OBX-5.2 CE or CWE	OBX-5.3 CE or CWE	OBX-5.1 ST or TX or OBX-5.9 CWE (2.5.1) OBX-5.2 (2.3.1)	OBX-5.1 SN
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Lab Test Information - 1 row per test

Expected values: LN = LOINC PLT = Public Health Lab Test L = Local	Must have either this or Test_result_description or Test_result_free_text (can have all three) or Test_result_number valued	Must have either this or Test_result_coded or Test_result_free_text (can have all three) or Test_result_number valued	Expected Values: SCT = SNOMED CT PLR = Public Health Lab Results L = Local	Must have either this or Test_result_description or Test_result_coded (can have all three) or Test_result_number valued If you are not differentiating between qualitative and quantitative results use this field	Expected values: > < = <= >=
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Test_performed_code_system
Test_result_coded
Test_result_description
Test_result_code_system
Test_Result_free_text
Test_result_comparator

OBX-5.2 SN or OBX-5.1 NM	OBX-5.3 SN	OBX-5.4 SN	OBX-6	OBX-7	OBX-8	OBX-17.5 or OBX-17.9

- either it or the Epi information section will be populated

<p>Must have this or either Test_result_coded, Test_result_description or Test_result_free_text (can have all three) valued</p> <p>If you are not breaking out quantitative results into structured numerics (like less than / titers) and numbers, use this field for ANY quantitative result</p>	<p>Expected values: - (use for ranges) : (use for titers)</p>					<p>Include the kit name, if available</p>
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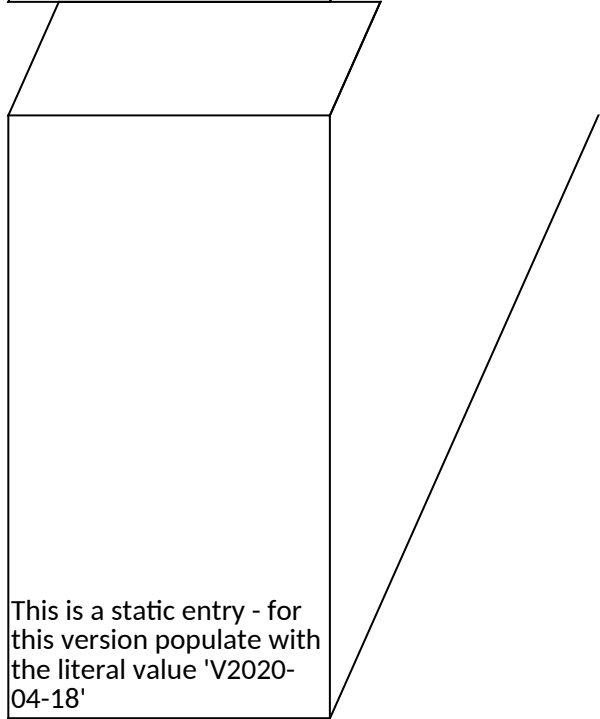
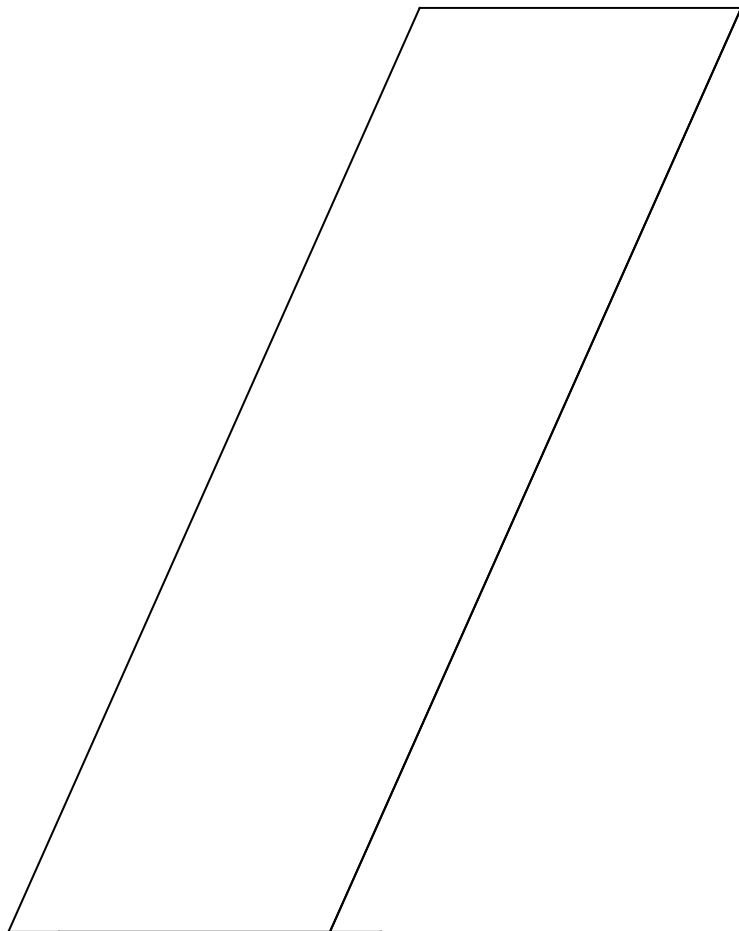
Test_result_number
Test_result_number_separato
Test_result_number2
Test_result_units
Reference_range
Abnormal_flag
Test_method_description

OBX-11	OBX-19.1	MSH-4.1	MSH-4.2	MSH-3

Meta-Data: (values will repeat across rows for all rows in this file)

<p>MUST have this valued</p> <p>For CDC expected Values: Final Corrected</p> <p>If not available: Populate with the literal value 'NULL'</p>	<p>this or Results_Released_Date valued (can have both) Expected Format YYYYMMDD[HHMMSS]</p> <p>If BOTH Test_date and Date_result_released are unavailable AND specimen_collection_date_time is populated with a real date, not the literal value '0000' use the literal value '0000'</p>	<p>Must have either this or Reporting_facility_ID valued</p> <p>If not available: Map to Testing_lab_name. Alternatively, can be populated with your own info in Reporting_facility_name as long as Testing_lab_name is populated.</p>	<p>Must have either this or Reporting_facility_name valued</p> <p>If not available: Map to Testing_lab_ID</p>	
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Test_result_status
Test_date
Reporting_facility_name
Reporting_facility_ID
Report_facil_data_source_app



This is a static entry - for
this version populate with
the literal value 'V2020-
04-18'

csv_file_version_no

Testing_la Testing_la Submitter Submitter Testing_l Testing_la Testing_la Testing_la Testing_la Testing_la

Testing_la Patient_IDPatient_IDPatient_IDPatient_D Patient_gePatient_ra Patient_citPatient_st Patient_zi

Patient_coPatient_etPatient_AgIllness_On Pregnant SymptomaPatient_loEmployed_Public_He:Specimen_

Specimen_Specimen_Specimen_Specimen_Specimen_Ordering_ Ordering_ Ordering_ Ordering_ Ordering_

Ordering_1Ordering_1Ordering_1Ordering_1Ordering_1Ordering_1Ordering_1Order_ressDate_result

Ordered_t Ordered_t Ordered_t Test_perf Test_perfc Test_perf Test_resul Test_resul Test_resul Test_Resul

Test_resul Test_resul Test_resul Test_resul Test_resul Reference_Abnormal_Test_meth Test_resul Test_date

Reporting_Reporting_Report_facsv_file_version_no

Testing_la b_accessi on_numbr	Testing_la b_specim en_ID	Submitter _unique_ sample_I D	Submitter _sample_I D_ assigne r	Testing_la b_name	Testing_la b_ID	Testing_la b_ID_ typ e	Testing_la b_street_ address	Testing_la b_city	Testing_la b_state
M0000059M0000059	100031	Arkansas	F	Public Hea	04D10441	CLIA	202 South Little Rock	AR	
M0000059M0000059	100031	Arkansas	F	Public Hea	04D10441	CLIA	202 South Little Rock	AR	
M0000059M0000059	100031	Arkansas	F	Public Hea	04D10441	CLIA	202 South Little Rock	AR	
M0000059M0000059	100031	Arkansas	F	Public Hea	04D10441	CLIA	202 South Little Rock	AR	
M0000059M0000059	100031	Arkansas	F	Public Hea	04D10441	CLIA	202 South Little Rock	AR	
M0000059M0000059	100031	Arkansas	F	Public Hea	04D10441	CLIA	202 South Little Rock	AR	
M0000059M0000059	100031	Arkansas	F	Public Hea	04D10441	CLIA	202 South Little Rock	AR	
M0000059M0000059	100031	Arkansas	F	Public Hea	04D10441	CLIA	202 South Little Rock	AR	
M0000059M00000999				Public Hea	04D10441	CLIA	202 South Little Rock	AR	
M0000059M00000999				Public Hea	04D10441	CLIA	202 South Little Rock	AR	
M0000059M00000999				Public Hea	04D10441	CLIA	202 South Little Rock	AR	
M0000059M00000999				Public Hea	04D10441	CLIA	202 South Little Rock	AR	
M0000059M00000595				Public Hea	04D10441	CLIA	202 South Little Rock	AR	
M0000059M00000595				Public Hea	04D10441	CLIA	202 South Little Rock	AR	
M0000059M00000595				Public Hea	04D10441	CLIA	202 South Little Rock	AR	
M0000059M00000595				Public Hea	04D10441	CLIA	202 South Little Rock	AR	
M0000059M00000795				Public Hea	04D10441	CLIA	202 South Little Rock	AR	
M0000059M00000795				Public Hea	04D10441	CLIA	202 South Little Rock	AR	
M0000059M00000795				Public Hea	04D10441	CLIA	202 South Little Rock	AR	
M0000059M00000795				Public Hea	04D10441	CLIA	202 South Little Rock	AR	

Testing_la b_zip_cod e	Patient_I D	Patient_I D_assigne r	Patient_I D_type	Patient_D OB	Patient_g ender	Patient_r ace	Patient_city	Patient_st ate
72205	234567	STARLIMS.PI		19540622	Female	White	Indianapolis	IN
72205	234567	STARLIMS.PI		19540622	Female	White	Indianapolis	IN
72205	234567	STARLIMS.PI		19540622	Female	White	Indianapolis	IN
72205	234567	STARLIMS.PI		19540622	Female	White	Indianapolis	IN
72205	234567	STARLIMS.PI		19540622	Female	White	Indianapolis	IN
72205	234567	STARLIMS.PI		19540622	Female	White	Indianapolis	IN
72205	234567	STARLIMS.PI		19540622	Female	White	Indianapolis	IN
72205	234567	STARLIMS.PI		19540622	Female	White	Indianapolis	IN
72205	234567	STARLIMS.PI		19540622	Female	White	Indianapolis	IN
72205	234567	STARLIMS.PI		19540622	Female	White	Indianapolis	IN
72205	234567	STARLIMS.PI		19540622	Female	White	Indianapolis	IN
72205	234567	STARLIMS.PI		19540622	Female	White	Indianapolis	IN
72205	234568	STARLIMS.PI		19640630	Male	Asian	Beech Grove	IN
72205	234568	STARLIMS.PI		19640630	Male	Asian	Beech Grove	IN
72205	234568	STARLIMS.PI		19640630	Male	Asian	Beech Grove	IN
72205	234568	STARLIMS.PI		19640630	Male	Asian	Beech Grove	IN
72205	234569	STARLIMS.PI		19740630	Female	Black	Indianapolis	IN
72205	234569	STARLIMS.PI		19740630	Female	Black	Indianapolis	IN
72205	234569	STARLIMS.PI		19740630	Female	Black	Indianapolis	IN
72205	234569	STARLIMS.PI		19740630	Female	Black	Indianapolis	IN

Patient_zi p_code	Patient_c ounty	Patient_e thnicity	Patient_A ge	Illness_O nset_Date	Pregnant	Symptom atic_for_d isease	Patient_lo cation	Employed _in_high_ risk_settin g	Public_He alth_Case _ID	
46203	Marion Co	Hispanic	01	66	20200105	No	Yes	ICU	No	AR000002
46203	Marion Co	Hispanic	01	66	20200105	No	Yes	ICU	No	AR000002
46203	Marion Co	Hispanic	01	66	20200105	No	Yes	ICU	No	AR000002
46203	Marion Co	Hispanic	01	66	20200105	No	Yes	ICU	No	AR000002
46203	Marion Co	Hispanic	01	66	20200105	No	Yes	ICU	No	AR000002
46203	Marion Co	Hispanic	01	66	20200105	No	Yes	ICU	No	AR000002
46203	Marion Co	Hispanic	01	66	20200105	No	Yes	ICU	No	AR000002
46203	Marion Co	Hispanic	01	66	20200105	No	Yes	ICU	No	AR000002
46203	Marion Co	Hispanic	01	66	20200105	No	Yes	ICU	No	AR000002
46203	Marion Co	Hispanic	01	66	20200105	No	Yes	ICU	No	AR000002
46203	Marion Co	Hispanic	01	66	20200105	No	Yes	ICU	No	AR000002
46203	Marion Co	Hispanic	01	66	20200105	No	Yes	ICU	No	AR000002
46203	Marion Co	Hispanic	01	66	20200105	No	Yes	ICU	No	AR000002
46203	Marion Co	Not Hispar		56	20200331	No				
46203	Marion Co	Not Hispar		56	20200331	No				
46203	Marion Co	Not Hispar		56	20200331	No				
46203	Marion Co	Not Hispar		56	20200331	No				
46203	Marion Co	Hispanic	01	46	20200315	No				
46203	Marion Co	Hispanic	01	46	20200315	No				
46203	Marion Co	Hispanic	01	46	20200315	No				
46203	Marion Co	Hispanic	01	46	20200315	No				

Specimen _type_co de	Specimen _type_de scription	Specimen _type_co de_syste m	Specimen _type_fre e_text	Specimen _collectio n_date_ti me	Specimen _received _date_ti me	Ordering_ entity_na me	Ordering_ provider_l ast_name	Ordering_ provider_ first_nam e	Ordering_ provider_ street
4.3E+08	Specimen	ISCT	nasal swab	20200205	20200206	0707-0600	Everman	Anna	1701 S. Sh
4.3E+08	Specimen	ISCT	nasal swab	20200205	20200206	0707-0600	Everman	Anna	1701 S. Sh
4.3E+08	Specimen	ISCT	nasal swab	20200205	20200206	0707-0600	Everman	Anna	1701 S. Sh
4.3E+08	Specimen	ISCT	nasal swab	20200205	20200206	0707-0600	Everman	Anna	1701 S. Sh
4.3E+08	Specimen	ISCT	nasal swab	20200205	20200206	0707-0600	Everman	Anna	1701 S. Sh
4.3E+08	Specimen	ISCT	nasal swab	20200205	20200206	0707-0600	Everman	Anna	1701 S. Sh
4.3E+08	Specimen	ISCT	nasal swab	20200205	20200206	0707-0600	Everman	Anna	1701 S. Sh
4.3E+08	Specimen	ISCT		20200205	20200206	0707-0600	Everman	Anna	
4.3E+08	Specimen	ISCT		20200205	20200206	0707-0600	Everman	Anna	
4.3E+08	Specimen	ISCT		20200205	20200206	0707-0600	Everman	Anna	
4.3E+08	Specimen	ISCT		20200205	20200206	0707-0600	Everman	Anna	
2.59E+08	Nasophary	SCT		20200402	2.02E+13		Everman	Anna	
2.59E+08	Nasophary	SCT		20200402	2.02E+13		Everman	Anna	
2.59E+08	Nasophary	SCT		20200402	2.02E+13		Everman	Anna	
2.59E+08	Nasophary	SCT		20200402	2.02E+13		Everman	Anna	
4.3E+08	Specimen	ISCT		20200320	2.02E+13		Everman	Anna	
4.3E+08	Specimen	ISCT		20200320	2.02E+13		Everman	Anna	
4.3E+08	Specimen	ISCT		20200320	2.02E+13		Everman	Anna	
4.3E+08	Specimen	ISCT		20200320	2.02E+13		Everman	Anna	

Date_released	ult_released	Ordered_test_code	Ordered_test_desc	Ordered_test_code_system	Test_performed_code	Test_performed_description	Test_performed_system	Test_result_coded	Test_result_description	Test_result_code_system
20200206	206(94306-8	2019-nCoV	LN	94307-6	Probe.ampl	LN	2.6E+08	Detected	SCT	
20200206	206(94306-8	2019-nCoV	LN	94308-4	2019 Novel	LN	2.6E+08	Detected	SCT	
20200206	206(94306-8	2019-nCoV	LN	68993-5	Human RNL	LN	2.6E+08	Detected	SCT	
20200206	206(94306-8	2019-nCoV	LN	94309-2	2019 Novel	LN	2.6E+08	Detected	SCT	
20200206	206(94306-8	2019-nCoV	LN	94307-6	Probe.ampl	LN	2.6E+08	Detected	SCT	
20200206	206(94306-8	2019-nCoV	LN	94308-4	2019 Novel	LN	2.6E+08	Detected	SCT	
20200206	206(94306-8	2019-nCoV	LN	68993-5	Human RNL	LN	2.6E+08	Detected	SCT	
20200206	206(94306-8	2019-nCoV	LN	94309-2	2019 Novel	LN	2.6E+08	Detected	SCT	
20200206	206(94306-8	2019-nCoV	LN	94307-6	Probe.ampl	LN	2.6E+08	Detected	SCT	
20200206	206(94306-8	2019-nCoV	LN	94308-4	2019 Novel	LN	2.6E+08	Detected	SCT	
20200206	206(94306-8	2019-nCoV	LN	68993-5	Human RNL	LN	2.6E+08	Detected	SCT	
20200206	206(94306-8	2019-nCoV	LN	94309-2	2019 Novel	LN	2.6E+08	Not Detected	SCT	
20200406	206(94306-8	2019-nCoV	LN	94311-8	SARS-CoV-	LN				
20200318	94500-6	SARS-CoV-	LN	94500-6	SARS-CoV-	LN	4.2E+08	Inconclusi	SCT	
20200206	206(94306-8	2019-nCoV	LN	68993-5	Human RNL	LN	2.6E+08	Detected	SCT	
20200206	206(94306-8	2019-nCoV	LN	94309-2	2019 Novel	LN	2.6E+08	Not Detected	SCT	
20200206	206(94306-8	2019-nCoV	LN	94307-6	Probe.ampl	LN	2.6E+08	Detected	SCT	
20200206	206(94306-8	2019-nCoV	LN	94308-4	2019 Novel	LN	2.6E+08	Detected	SCT	
20200406	206(94306-8	2019-nCoV	LN	94311-8	SARS-CoV-	LN				
20200318	94500-6	SARS-CoV-	LN	94500-6	SARS-CoV-	LN	4.2E+08	Inconclusi	SCT	

Test_Resu	lt_free_te	Test_result_compar	Test_result_number	Test_result_number_s	Test_result_	Test_result_
xt	ator		eparator	number2	units	

Detected

Detected

Detected

Detected

Detected

Detected

Detected

Detected

Detected

Detected

Detected

Not Detected

20

CrossingThres

Detected

Not Detected

Detected

Detected

20

CrossingThres

Reference _range	Abnormal _flag	Test_met hod_desc ription	Test_resu lt_status	Test_date	Reporting _facility_ name	Reporting _facility_ ID	Report_f acil_data _source_ app	csv_file_v ersion_no
not detect	A	CDC 2019-	F	20200206	(Public Hea	04D10441	STARLIMS.V	2020-04-18
not detect	A	CDC 2019-	F	20200206	(Public Hea	04D10441	STARLIMS.V	2020-04-18
detected	N	CDC 2019-	F	20200206	(Public Hea	04D10441	STARLIMS.V	2020-04-18
not detect	A	CDC 2019-	F	20200206	(Public Hea	04D10441	STARLIMS.V	2020-04-18
not detect	A	CDC 2019-	F	20200206	(Public Hea	04D10441	STARLIMS.V	2020-04-18
not detect	A	CDC 2019-	F	20200206	(Public Hea	04D10441	STARLIMS.V	2020-04-18
detected	N	CDC 2019-	F	20200206	(Public Hea	04D10441	STARLIMS.V	2020-04-18
not detect	A	CDC 2019-	F	20200206	(Public Hea	04D10441	STARLIMS.V	2020-04-18
		PCR	F	20200206	(Public Hea	AR.LittleR	STARLIMS.V	2020-04-18
		PCR	F	20200206	(Public Hea	AR.LittleR	STARLIMS.V	2020-04-18
		PCR	F	20200206	(Public Hea	AR.LittleR	STARLIMS.V	2020-04-18
		PCR	F	20200206	(Public Hea	AR.LittleR	STARLIMS.V	2020-04-18
shold			F	20200406	(Public Hea	AR.LittleR	STARLIMS.V	2020-04-18
	A	Cepheid X	F	20200318	Public Hea	AR.LittleR	STARLIMS.V	2020-04-18
			F	20200406	(Public Hea	AR.LittleR	STARLIMS.V	2020-04-18
	A	Cepheid X	F	20200318	Public Hea	AR.LittleR	STARLIMS.V	2020-04-18
			F	20200406	(Public Hea	AR.LittleR	STARLIMS.V	2020-04-18
shold			F	20200406	(Public Hea	AR.LittleR	STARLIMS.V	2020-04-18
	A	Cepheid X	F	20200318	Public Hea	AR.LittleR	STARLIMS.V	2020-04-18

Field Name	HL7 Segment (if using HL7)
Sending application	MSH-3
Sending Facility	MSH-4
Receiving Application	MSH-5
Receiving Facility	MSH-6
Date Time of Message	MSH-7
Message Type	MSH-9
Message Control ID	MSH-10
Processing ID indicating these are production messages	MSH-11
Version ID	MSH-12
Patient Identifier	PID 3
Date Time of Birth	PID-7
Administrative Sex	PID-8
Zip Code	PID-11.5
Race	PID-10
Ethnicity	PID-22
County or parish	PID-11.9
Ordering Facility Name	ORC-21
Ordering Facility Address	ORC-22
Ordering Facility Phone Number	ORC-23
Ordering Provider	OBR-16
Ordering Provider Address	ORC-24
Filler Order Number / Accession number	OBR-3
Ordered Test	OBR-4
Observation Date Time	OBR 7 / 8 for 2.3.1 SPM 17 for ver 2.5.1
Specimen Type	OBR-15 for ver 2.3.1 and SPM 4 for ver 2.5.1
Specimen Received date and time	OBR 14 for ver 2.3.1 SPM 18 for ver 2.5.1
Result Status indicating these are <i>final</i> results	OBR-25
Observation Result Segment Set ID	OBX-1
Value Type	OBX-2
Observation Identifier	OBX-3
Observation Sub ID	OBX-4
Observation Value	OBX-5
Units	OBX-6
Reference Range	OBX-7
Abnormal flags	OBX-8
Observation Result Status	OBX-11

Date Time of the Observation	OBX-14 - is actually OBX-19
Performing organization name including the <i>CLIA</i> number	OBX-23

Riki Notes

mapped to Reporting_facility_data_source_application

mapped to Reporting_facility_name and Reporting_facility_ID

no need to map for csv

mapped to Program_or_pathogen

mapped to Date_time_of_file_creation

no need to map for csv

no need to map for csv

no need to map for csv

no need to map for csv

mapped to Patient_ID and Patient_ID_Assigner and Patient_ID_Type

mapped to Patient_DOB

mapped to Patient_Sex

mapped to Patient_zip_code

mapped to Patient_race

mapped to Patient_ethnicity

mapped to Patient_county

mapped to Ordering_facility_name

mapped to Ordering_facility_street and Ordering_facility_city and Ordering_facility_state and Ordering_facility_:

mapped to Ordering_facility_phone_number

mapped to Ordering_provider_last_name and Ordering_provider_first_name and Ordering_provider_ID and Ord

mapped to Ordering_provider_street and Ordering_provider_city and Ordering_provider_state and Ordering_pr

mapped to Testing_lab_accession_number

mapped to Ordered_test_code and Ordered_test_name and Ordered_test_code_system

mapped to Specimen_collection_date

mapped to Specimen_type_code and Specimen_type_description and Specimen_type_code_system and Specim

mapped to Specimen_received_date

mapped to Order_result_status

no need to map for csv

no need to map for csv

mapped to Test__performed_code and Test__performed_name and Test__performed_code_system

no need to map for csv???

mapped to Test_Result_Coded and Test_Result_Description and Test_Result_code_system and Test_Result_Free

mapped to Test_units

mapped to Reference_range

mapped to Abnormal_flag

mapped to Test_result_status

mapped to Test_date

mapped to Testing_lab_name and Testing_lab_ID and Testing_lab_ID_type

zipcode

ering_provider_ID_Assigner
ovider_zipcode

en_type_free_text

en_Text and Test_Result_Comparator and Test_Result_Number and Test_Result_Number_Separator and Test

:_Result_Number2