

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, and a person is not required to respond to a collection of information unless it displays a unique identifier. 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, Paperwork Project Director, 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		
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	either one of the highlighted fields must be filled out		
	either one of the highlighted fields must be filled out		
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	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_ELR		
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		
<b>Use of csv file</b>	CDC	CDC	CDC

<b>Mapping to HL7</b>	OBR-3	SPM-2.2.1 (v2.5.1)	SPM-2.1.1 (v2.5.1)
<b>Sections</b>			
<b>Instructions</b>	<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"> <li>- Date/time initially entered (to millisecond)</li> <li>- Specimen collection date (if present)</li> <li>- SNOMED-CT of specimen type (if present)</li> <li>- Name of laboratory (if present)</li> </ul>	

<b>CSV Column name</b>	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 all comments regarding this burden estimate or any aspect of this collection of information, including suggestions for reducing this burden to CDC/ATSDR, Office of Information Management, 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



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 &amp; 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





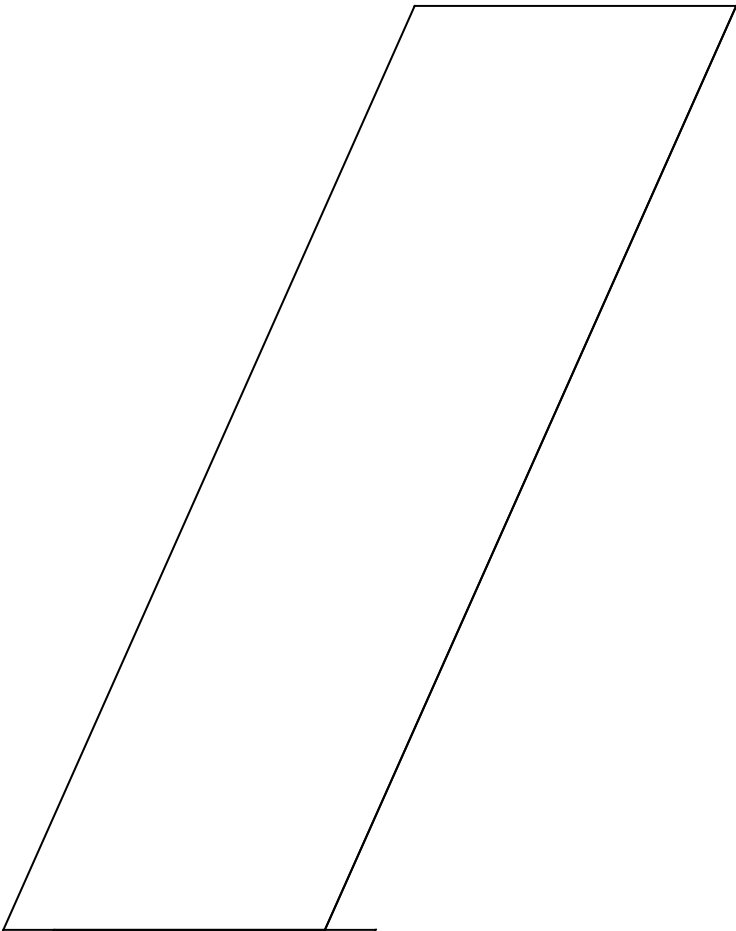
OBX-11	OBX-19.1	MSH-4.1	MSH-4.2	MSH-3

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

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
M0000059	M0000059	100031	Arkansas	Public Hea	04D10441	CLIA	202 South	Little Rock	AR
M0000059	M0000059	100031	Arkansas	Public Hea	04D10441	CLIA	202 South	Little Rock	AR
M0000059	M0000059	100031	Arkansas	Public Hea	04D10441	CLIA	202 South	Little Rock	AR
M0000059	M0000059	100031	Arkansas	Public Hea	04D10441	CLIA	202 South	Little Rock	AR
M0000059	M0000059	100031	Arkansas	Public Hea	04D10441	CLIA	202 South	Little Rock	AR
M0000059	M0000059	100031	Arkansas	Public Hea	04D10441	CLIA	202 South	Little Rock	AR
M0000059	M0000059	100031	Arkansas	Public Hea	04D10441	CLIA	202 South	Little Rock	AR
M0000059	M00000999			Public Hea	04D10441	CLIA	202 South	Little Rock	AR
M0000059	M00000999			Public Hea	04D10441	CLIA	202 South	Little Rock	AR
M0000059	M00000999			Public Hea	04D10441	CLIA	202 South	Little Rock	AR
M0000059	M00000999			Public Hea	04D10441	CLIA	202 South	Little Rock	AR
M0000059	M00000595			Public Hea	04D10441	CLIA	202 South	Little Rock	AR
M0000059	M00000595			Public Hea	04D10441	CLIA	202 South	Little Rock	AR
M0000059	M00000595			Public Hea	04D10441	CLIA	202 South	Little Rock	AR
M0000059	M00000595			Public Hea	04D10441	CLIA	202 South	Little Rock	AR
M0000059	M00000795			Public Hea	04D10441	CLIA	202 South	Little Rock	AR
M0000059	M00000795			Public Hea	04D10441	CLIA	202 South	Little Rock	AR
M0000059	M00000795			Public Hea	04D10441	CLIA	202 South	Little Rock	AR
M0000059	M00000795			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	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	Orderd_test_code	Orderd_test_description	Orderd_test_code_system	Test_performed_code	Test_performed_description	Test_performed_system	Test_result_coded	Test_result_description	Test_result_code_system
20200206	94306-8	2019-nCoV	LN	94307-6	Probe.ampl	LN	2.6E+08	Detected	SCT
20200206	94306-8	2019-nCoV	LN	94308-4	2019 Novel	LN	2.6E+08	Detected	SCT
20200206	94306-8	2019-nCoV	LN	68993-5	Human RNL	LN	2.6E+08	Detected	SCT
20200206	94306-8	2019-nCoV	LN	94309-2	2019 Novel	LN	2.6E+08	Detected	SCT
20200206	94306-8	2019-nCoV	LN	94307-6	Probe.ampl	LN	2.6E+08	Detected	SCT
20200206	94306-8	2019-nCoV	LN	94308-4	2019 Novel	LN	2.6E+08	Detected	SCT
20200206	94306-8	2019-nCoV	LN	68993-5	Human RNL	LN	2.6E+08	Detected	SCT
20200206	94306-8	2019-nCoV	LN	94309-2	2019 Novel	LN	2.6E+08	Detected	SCT
20200206	94306-8	2019-nCoV	LN	94307-6	Probe.ampl	LN	2.6E+08	Detected	SCT
20200206	94306-8	2019-nCoV	LN	94308-4	2019 Novel	LN	2.6E+08	Detected	SCT
20200206	94306-8	2019-nCoV	LN	68993-5	Human RNL	LN	2.6E+08	Detected	SCT
20200206	94306-8	2019-nCoV	LN	94309-2	2019 Novel	LN	2.6E+08	Not Detect	SCT
20200406	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	94306-8	2019-nCoV	LN	68993-5	Human RNL	LN	2.6E+08	Detected	SCT
20200206	94306-8	2019-nCoV	LN	94309-2	2019 Novel	LN	2.6E+08	Not Detect	SCT
20200206	94306-8	2019-nCoV	LN	94307-6	Probe.ampl	LN	2.6E+08	Detected	SCT
20200206	94306-8	2019-nCoV	LN	94308-4	2019 Novel	LN	2.6E+08	Detected	SCT
20200406	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	Abnormal	Test_met	Test_resu	Reporting	Reporting	Report_f	csv_file_v
_range	_flag	hod_desc	lt_status	_facility_	_facility_I	acil_data	ersion_no
		ription	Test_date	name	D	_source_	
						app	
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.V2020-04-18
		PCR	F	20200206	(Public Hea	AR.LittleR	STARLIMS.V2020-04-18
		PCR	F	20200206	(Public Hea	AR.LittleR	STARLIMS.V2020-04-18
		PCR	F	20200206	(Public Hea	AR.LittleR	STARLIMS.V2020-04-18
shold			F	20200406	(Public Hea	AR.LittleR	STARLIMS.V2020-04-18
	A	Cepheid X	F	20200318	Public Hea	AR.LittleR	STARLIMS.V2020-04-18
			F	20200406	(Public Hea	AR.LittleR	STARLIMS.V2020-04-18
	A	Cepheid X	F	20200318	Public Hea	AR.LittleR	STARLIMS.V2020-04-18
			F	20200406	(Public Hea	AR.LittleR	STARLIMS.V2020-04-18
shold			F	20200406	(Public Hea	AR.LittleR	STARLIMS.V2020-04-18
	A	Cepheid X	F	20200318	Public Hea	AR.LittleR	STARLIMS.V2020-04-18

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