COVID-IDR Data Dictionary

Category	Data Field	Data Label	FHIR Resource	FHIR Value	Description
Demographics	MRN		Patient	identifier:value	The Unique ID of the patient's Duke Medical Record Number
Demographics	PAT_ID			identifier:value	The unique EPIC ID of the patient
Demographics	BIRTH_DATE			birthDate	The date on which the patient was born
Demographics	DEATH_DATE			deceasedDateTime	The date of death for the patient
Demographics	PAT_STATUS			deceasedBoolean	Patients statuses that include alive and deceased
Demographics	SEX_C			gender	
Demographics	SEX	Sex		gender	Gender of the Patients (female, male and unknown)
Demographics	ETHNICGROUP_C			us-core-ethnicity	
Demographics	ETHNICGROUP	Ethnicity		us-core-ethnicity	Patient's ethnic background
Demographics	RACE_C			us-core-race	
Demographics	RACE	Race		us-core-race	Race of the patient
Demographics	LANGUAGE_C			communication: language	
Demographics	LANGUAGE			communication: language	Patient's prefered language
Demographics	MARITAL_STATUS_C			maritalStatus	
Demographics	MARITAL_STATUS			maritalStatus	Patient's marital state
Demographics	STATE			address: state	State in which the patient lives
Demographics	COUNTY			address: district	County in which the patient lives
Demographics	ZIP			address: postalCode	The ZIP Code area in which the patient lives
Demographics	LAST_DISCH_DISP_DATE		Encounter	period	
Demographics	LAST_DISCH_DISP_C			hospitalization:dischargeDisposition	
Demographics	LAST_DISCH_DISP			hospitalization:dischargeDisposition	
Demographics	managing Organization (has MRN?)		Patient	managingOrganization	
Diagnosis	PAT_ID		Condition	subject	
Diagnosis	DIAGNOSIS_ID		Condition	identifier:value	The unique ID of the diagnosis record in the system
Diagnosis	DX_SOURCE_DATE			recordedDate	This field identifies the different dates related to the diagnosis sources based on the context– This may not be the actual date the patient was diagnosed. 'Enc DX'- For the Encounter DX source we are populating the patient contact date/encounter date. 'Hsp Admit Dx'- For the admission DX source we are populating the patient's inpatient hospital admission date. 'Hsp Billing DX' –For hospital billing diagnosis (dx related to hospital charges). We are populating the coding date that the hospital account was last changed. 'Professional Billing Dx' – For professional billing diagnosis (dx related to providers and professional services). We are populating patient's medical service performed date(ETR -45). in the format (yyyy-mm-dd)
Diagnosis	DIAGNOSIS_NAME	Condition	Condition	code:text	The name of the diagnosis record in the system
Diagnosis	CURRENT_ICD10_LIST			code:coding	This is the record's current mapped ICD-10-CM code(s) as a list. Values are separated by a comma and a space. Code-type records of the ICD-10-CM code set will have a value here as well that represents their reference code
Diagnosis	CCS_CATEGORY				Clinical Classification Category code
Test Results	PAT_ID		DiagnosticReport	subject	The unique EPIC ID of the patient

Category	Data Field	Data Label	FHIR Resource	FHIR Value	Description
Test Results	CSN			encounter	
Test Results	ORD_PROC_NAME			code	The name of each lab
Test Results	ORD_TIME			authoredOn	
Test Results	RES_TIME		DiagnosticReport	effectiveDateTime	
Test Results	RES_STATUS			status	
Test Results	RES_PERF_LAB			performer	The name of each lab
Test Results	TEST_RESULT		Observation	valueBoolean	The value returned for each result component, in short free text format
Labs	PAT_ID			subject	The unique EPIC ID of the patient
Labs	PAT_ENC_CSN_ID			encounter	A unique serial number for this Patient's encounter. This number is unique across all patients and encounters in the system.
Labs	ORDER_PROC_ID		Observation	identifier	The unique ID of the order record associated with this Lab order
Labs	LAB_PROC_ID		Observation	code:coding	The unique ID of each lab record
Labs	LAB_PROC_CODE			code:coding	The code of each lab
Labs	LAB_PROC_NAME			code:text	The name of each lab
Labs	COMPONENT_ID			code:component:code:coding	The unique ID of the component record
Labs	COMPONENT_NAME			code:component:code:coding	The name of the component
Labs	COMPONENT_COMMON_NAME			code:component:code:text	The common name can be used to gather multiple components with different names that actually refer to the same thing, for example Na and Sodium
Labs	LOINC_CODE			code	Free text LOINC code associated with a component
Labs	ORDER_DX_ICD9				
Labs	ORDER_DX_ICD10				
Labs	DEPARTMENT_NAME			performer:organization	This stores the patient contact department at the time of signing. This item will be empty for child orders but it can be referred to through its parent order
Labs	ORDERING_DATE		ServiceRequest	authoredOn	The date when the Lab order was placed date format (yyyy-mm-dd)
Labs	RESULT_CHAR			valueString	The value returned for each result component, in short free text format
Labs	UNIT_OF_MEASURE			valueQuantity:unit	The units for each result component value
Labs	RESULT_DATE_TIME			effectiveDateTime	The date and time the technician ran the tests for each order in calendar format date format (yyyy-mm-dd)
Labs	ABNORMAL			interpretation	Indicates whether this problem is a chronic problem. If the problem is chronic this field will have a value of 'Y' otherwise it will have a value of 'N'
Biospecimen	Subject ID		Specimen	subject	
Biospecimen	Specimen ID			identifier	
Biospecimen	Specimen Type			type	
Biospecimen	Received Date/Time			receivedTime	
Biospecimen	Processed Date/Time			processing:timeDateTime	
Biospecimen	Status			status	
Biospecimen	Protocol			processing:procedure	
Demographics	MRN		Patient	identifier:value	The Unique ID of the patient's Duke Medical Record Number- EPT 2061
Demographics	PAT_ID			identifier:value	The unique EPIC ID of the patient- EPT 0.1

Category	Data Field	Data Label	FHIR Resource	FHIR Value	Description
Demographics	BIRTH_DATE			birthDate	The date on which the patient was born - EPT 110/111
Demographics	DEATH_DATE			deceasedDateTime	The date of death for the patient - EPT 115/116
Demographics	PAT_STATUS			deceasedBoolean	Patients statuses that include alive and deceased - EPT 112
Demographics	SEX_C			gender	
Demographics	SEX			gender	Gender of the Patients (female, male and unknown)- EPT 130
Demographics	ETHNICGROUP_C			us-core-ethnicity	
Demographics	ETHNICGROUP			us-core-ethnicity	Patient's ethnic background - EPT 135
Demographics	RACE_C			us-core-race	
Demographics	RACE			us-core-race	Race of the patient - EPT 145
Demographics	LANGUAGE_C			communication: language	
Demographics	LANGUAGE			communication: language	Patient's prefered language - EPT 155
Demographics	MARITAL_STATUS_C			maritalStatus	
Demographics	MARITAL_STATUS			maritalStatus	Patient's marital state- EPT 140
Demographics	STATE			address: state	State in which the patient lives - EPT 70
Demographics	COUNTY			address: district	County in which the patient lives - EPT 75
Demographics	ZIP			address: postalCode	The ZIP Code area in which the patient lives - EPT 80
Demographics	PRIM_PAYOR_C		Coverage	(TODO) primary payor code	
Demographics	PRIM_PAYOR			(TODO) primary payor financial class	
Demographics	LAST_DISCH_DISP_DATE		Encounter	period	
Demographics	LAST_DISCH_DISP_C			hospitalization:dischargeDisposition	
Demographics	LAST_DISCH_DISP			hospitalization:dischargeDisposition	
Demographics	managing Organization (has MRN?)		Patient	managingOrganization	
Diagnosis	PAT_ID		Condition	subject	
Diagnosis	PAT_ENC_CSN_ID		Encounter	identifier:value	
Diagnosis	DIAGNOSIS_ID		Condition	identifier:value	The unique ID of the diagnosis record in the system - EDG 0.1
Diagnosis	DX_SOURCE			note:authorString	This field identifies the different diagnosis sources that populated in the system based on the context – 'Enc DX'- This diagnosis source will retrieve all patient encounter related diagnosis information from the PAT_ENC_DX table. 'Hsp Admit Dx'- This will retrieve information on hospital admission DX. This is a diagnosis that is given to a patient at the time of admission by an admitting provider. 'Hsp Billing DX' – Will get all the patient hospital billing related DX. Hospital billing is responsible for billings and claims generated for work performed by hospitals, skilled nursing facilities, including the use of equipment and supplies, laboratory services, radiology services etc..'Professional Billing Dx' - Will get all the patient Professional billing related DX. It is billing of claims generated for work performed by physicians, suppliers, and other non-institutional providers.

Category	Data Field	Data Label	FHIR Resource	FHIR Value	Description
Diagnosis	DX_SOURCE_DATE			recordedDate	This field identifies the different dates related to the diagnosis sources based on the context– This may not be the actual date the patient was diagnosed. 'Enc DX'- For the Encounter DX source we are populating the patient contact date/encounter date(EPT-20). 'Hsp Admit Dx'- For the admission DX source we are populating the patient's inpatient hospital admission date(EPT- 18850, 18851). 'Hsp Billing DX' –For hospital billing diagnosis (dx related to hospital charges). We are populating the coding date that the hospital account was last changed (HAR- 1410, 1420). 'Professional Billing Dx' – For professional billing diagnosis (dx related to providers and professional services). We are populating patient's medical service performed date(ETR -45). in the format (yyyy-mm-dd)
Diagnosis	DIAGNOSIS_NAME			code:text	The name of the diagnosis record in the system - EDG 0.2
Diagnosis	CURRENT_ICD10_LIST			code:coding	This is the record's current mapped ICD-10-CM code(s) as a list. Values are separated by a comma and a space. Code-type records of the ICD-10-CM code set will have a value here as well that represents their reference code- EDG 4104
Diagnosis	PRIMARY_ENCOUNTER_DX_YN				Indicates whether this diagnosis was the primary diagnosis for the encounter. If the diagnosis was the primary this field will have a value of 'Y' o therwise it will have a value of 'N' - EPT 18418
Diagnosis	PRIMARY_EMERGENCY_DX_YN				Indicates whether if the primary diagnosis is documented as an ED diagnosis for emergency encounter/department. If the diagnosis was the primary ED diagnosis this field will have a value of 'Y' otherwise it will have a value of 'N' - EPT 18465
Diagnosis	PRIMARY_PB_DX_YN				Indicates whether this diagnosis is associated to a professional billing transaction diagnosis (dx related to providers and professional services) for the encounter. If the diagnosis was the professional billing diagnosis this field will have a value of 'Y' otherwise it will have a value of 'N' - ETR 1405
Diagnosis	EMERGENCY_DX_YN				Identifies an encounter diagnosis (EPT-18400) as being an Ed clinical impression. If the patient was diagnosed during an ED encounter/department this field will have a value of 'Y' otherwise it will have a value of 'N' - EPT 18465
Diagnosis	CHRONIC_DX_YN				Indicates whether this diagnosis is a chronic diagnosis. If the diagnosis is chronic this field will have a value of 'Y' otherwise it will have a value of 'N' - EPT 18460
Diagnosis	OR_DX_YN				Indicates whether this diagnosis was OR diagnosis for the encounter.If the diagnosis was OR diagnosis this field will have a value of 'Y' otherwise it will have a value of 'N' - ORC 105
Diagnosis	HSP_CODED_DX_YN				Represents the principal final coded diagnosis from the HAR. If the diagnosis was the final coded diagnosis for the hospital related charges this field will have a value of 'Y' otherwise it will have a value of 'N' - HAR 610
Diagnosis	CCS_CATEGORY				Clinical Classification Category code
Test Results	PAT_ID		DiagnosticReport	subject	The unique EPIC ID of the patient- EPT 0.1
Test Results	CSN			encounter	
Test Results	ORD_PROVIDER		ServiceRequest	requester	The NAME of the ordering provider - SER 0.2

Crucible

Category	Data Field	Data Label	FHIR Resource	FHIR Value	Description
Test Results	ORD_PROC_NAME			code	The name of each lab - EAP 0.2
Test Results	ORD_TIME			authoredOn	
Test Results	COLL_TIME		Specimen	collection:collectedDateTime	The date the specimen was taken date format (yyyy-mm-dd).COALESCE (SPEC_DB_MAIN.SPEC_DTM_COLLECTED,ORDER_RESULTS.COMP_OBS_INST_TM, ORDER_PROC_2.SPECIMN_TAKEN_TIME, ORDER_PROC_2.SPECIMN_TAKEN_DATE)
Test Results	RES_VAL				The value returned for each result component, in short free text format - ORD 2010
Test Results	RES_TIME		DiagnosticReport	effectiveDateTime	
Test Results	RES_STATUS			status	
Test Results	RES_PERF_LAB			performer	The name of each lab -EAP 0.2
Test Results	TEST_RESULT		Observation	valueBoolean	The value returned for each result component, in short free text format - ORD 2010
Labs	PAT_ID			subject	The unique EPIC ID of the patient- EPT 0.1
Labs	PAT_ENC_CSN_ID			encounter	A unique serial number for this Patient's encounter. This number is unique across all patients and encounters in the system. - EPT 8
Labs	ORDER_PROC_ID		Observation	identifier	The unique ID of the order record associated with this Lab order. ORD 0.1
Labs	LAB_PROC_ID		Observation	code:coding	The unique ID of each lab record - EAP 0.1
Labs	LAB_PROC_CODE			code:coding	The code of each lab -EAP 100
Labs	LAB_PROC_NAME			code:text	The name of each lab -EAP 0.2
Labs	COMPONENT_ID			code:component:code:coding	The unique ID of the component record -LRR 0.1
Labs	COMPONENT_NAME			code:component:code:coding	The name of the component - LRR 0.2
Labs	COMPONENT_BASE_NAME				The name used by clinical system's Best Practice Alerts to group related components - LRR 45
Labs	COMPONENT_COMMON_NAME			code:component:code:text	The common name can be used to gather multiple components with different names that actually refer to the same thing, for example Na and Sodium - LRR 46
Labs	LOINC_CODE			code	Free text LOINC code associated with a component- LNC 0.1
Labs	ORDER_DX_ICD9				
Labs	ORDER_DX_ICD10				
Labs	DEPARTMENT_NAME			performer:organization	This stores the patient contact department at the time of signing. This item will be empty for child orders but it can be referred to through its parent order - ORD 225
Labs	ORDERING_DATE		ServiceRequest	authoredOn	The date when the Lab order was placed date format (yyyy-mm-dd) - ORD 25
Labs	COLLECT_DATE_TIME		Specimen	collection:collectedDateTime	The date the specimen was taken date format (yyyy-mm-dd).COALESCE (SPEC_DB_MAIN.SPEC_DTM_COLLECTED,ORDER_RESULTS.COMP_OBS_INST_TM, ORDER_PROC_2.SPECIMN_TAKEN_TIME, ORDER_PROC_2.SPECIMN_TAKEN_DATE)
Labs	RESULT_NUMBER		Observation	valueQuantity:value	A numeric representation of the value returned for each component where applicable. If the value contains any non-numeric characters, the value will display as 9999999
Labs	RESULT_CHAR			valueString	The value returned for each result component, in short free text format - ORD 2010
Labs	UNIT_OF_MEASURE			valueQuantity:unit	The units for each result component value - ORD 2050

Category	Data Field	Data Label	FHIR Resource	FHIR Value	Description
Labs	REFERENCE_LOW			referenceRange:low	The lowest acceptable value for each result component. If the value in this column is a number or structured numeric, the numbers will be stored in cache internal format using period as the decimal separator - ORD 2030
Labs	REFERENCE_HIGH			referenceRange:high	The highest acceptable value for each result component. If the value in this column is a number or structured numeric, the numbers will be stored in cache internal format using period as the decimal separator. - ORD 2040
Labs	RESULT_DATE_TIME			effectiveDateTime	The date and time the technician ran the tests for each order in calendar format date format (yyyy-mm-dd) - ORD 26,28
Labs	ABNORMAL			interpretation	Indicates whether this problem is a chronic problem. If the problem is chronic this field will have a value of 'Y' otherwise it will have a value of 'N' - LDF 70
Labs	AUTHRZING_PROV_ID		ServiceRequest	requester	The unique ID of the provider prescribing or authorizing the order - ORD 100
Labs	AUTHORIZING_PROV_NAME			requester	Name of provider prescribing or authorizing the order - SER 0.2
Labs	ORDERING_PROV_ID			requester or note.authorReference	The provider ID of the ordering provider -ORD 34030
Labs	ORDERING_PROV_NAME			requester or note.authorReference	The NAME of the ordering provider - SER 0.2
Labs	SPEC_NUMBER_LN1				
Labs	LAB_TEXT		Observation	note	
Biospecimen	Subject ID		Specimen	subject	
Biospecimen	Specimen ID			identifier	
Biospecimen	Specimen Type			type	
Biospecimen	Received Date/Time			receivedTime	
Biospecimen	Processed Date/Time			processing:timeDateTime	
Biospecimen	Status			status	
Biospecimen	Protocol			processing:procedure	