Data Dictionary for MIMIC-III

Table Name **Page number**

MIMIC-III Data Dictionary (Created by Joseph Miles for SUNY Oswego implementation)

Table Name / **Attribute Name**	PK	FK	PostgreSQL data type	NN	Indx	Description of **Table** / **Attribute**
ADMISSIONS	**PK**	**FK**	**Data Type**	**NN**	**Indx**	**Hospital admission associated with ICU stay**
ROW_ID			INT	Y		(Obsolete) Unique row identifier
SUBJECT_ID		Y	INT	Y	Y	REFERENCES PATIENTS(SUBJECT_ID)
HADM_ID	Y		INT	Y	Y	Unique identifier for each hospital stay
ADMITTIME			TIMESTAMP(0)	Y		Time of admission
DISCHTIME			TIMESTAMP(0)	Y		Time of discharge
DEATHTIME			TIMESTAMP(0)			Time of death
ADMISSION_TYPE			VARCHAR(50)	Y	Y	Type of admission [example: emergency or elective]
ADMISSION_LOCATION			VARCHAR(50)	Y		Admission location
DISCHARGE_LOCATION			VARCHAR(50)	Y		Discharge location
INSURANCE			VARCHAR(255)	Y		Insurance type
LANGUAGE			VARCHAR(10)			Language
RELIGION			VARCHAR(50)			Religion
MARITAL_STATUS			VARCHAR(50)			Marital status
ETHNICITY			VARCHAR(200)	Y		Ethnicity
EDREGTIME			TIMESTAMP(0)			Time patient was registered in the emergency department
EDOUTTIME			TIMESTAMP(0)			Time patient was discharged from the emergency department
DIAGNOSIS			VARCHAR(300)			Diagnosis
HOSPITAL_EXPIRE_FLAG			TINYINT	Y		
HAS_CHARTEVENTS_DATA			TINYINT	Y		Has at least one observation in CHARTEVENTS table
CALLOUT	**PK**	**FK**	**Data Type**	**NN**	**Indx**	**Patient ready for discharge and outcome information**
ROW_ID	Y		INT	Y	Y	Unique row identifier
SUBJECT_ID		Y	INT	Y	Y	REFERENCES PATIENTS(SUBJECT_ID)
HADM_ID		Y	INT	Y	Y	REFERENCES ADMISSIONS(HADM_ID)
SUBMIT_WARDID			INT			Identifies ward where call out request was submitted
SUBMIT_CAREUNIT			VARCHAR(15)			Ward where call out was submitted, if care unit, ICU type listed here
CURR_WARDID			INT			Ward where patient is currently residing

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Table Name / **Attribute Name**	PK	FK	PostgreSQL data type	NN	Indx	Description of **Table** / **Attribute**
CURR_CAREUNIT			VARCHAR(15)		Y	If currently in a care unit, ICU type listed here
CALLOUT_WARDID			INT	Y		Where patient is to be discharged, '0' = home, '1' = first available ward
CALLOUT_SERVICE			VARCHAR(10)	Y	Y	Identifies service that the patient is called out to
REQUEST_TELE			SMALLINT	Y		Indicates if special precautions are required [telemetry]
REQUEST_RESP			SMALLINT	Y		Indicates if special precautions are required [respiratory]
REQUEST_CDIFF			SMALLINT	Y		Indicates if special precautions are required [CDiff infection]
REQUEST_MRSA			SMALLINT	Y		Indicates if special precautions are required [MRSA infection]
REQUEST_VRE			SMALLINT	Y		Indicates if special precautions are required [VRE infection]
CALLOUT_STATUS			VARCHAR(20)	Y		Current status of the call out request
CALLOUT_OUTCOME			VARCHAR(20)	Y		Result [cancellation or a discharge]
DISCHARGE_WARDID			INT			The ward to which the patient was discharged
ACKNOWLEDGE_STATUS			VARCHAR(20)	Y		Status of the response to the call out request
CREATETIME			TIMESTAMP(0)	Y		Time and date that the call out was initiated
UPDATETIME			TIMESTAMP(0)	Y		Last time the call out event was updated
ACKNOWLEDGETIME			TIMESTAMP(0)			Time at which the call out request was acknowledged
OUTCOMETIME			TIMESTAMP(0)	Y		Time at which (cancellation or discharge) occurred
FIRSTRESERVATIONTIME			TIMESTAMP(0)			First time at which a ward was reserved for the call out request
CURRENTRESERVATIONTIME			TIMESTAMP(0)			Latest time which a ward was reserved for the call out request
CAREGIVERS	**PK**	**FK**	**Data Type**	**NN**	**Indx**	**List of caregivers associated with an ICU stay**
ROW_ID			INT	Y		(Obsolete) Unique row identifier
CGID	Y		INT	Y	Y	Unique caregiver identifier
LABEL			VARCHAR(15)			Title of the caregiver [example: MD or RN]
DESCRIPTION			VARCHAR(30)			More detailed description of the caregiver
CHARTEVENTS	**PK**	**FK**	**Data Type**	**NN**	**Indx**	**Events occurring on a patient chart**
ROW_ID	Y		INT	Y	Y	Unique row identifier
SUBJECT_ID		Y	NUMBER(7,0)	Y	Y	REFERENCES PATIENTS(SUBJECT_ID)
HADM_ID		Y	NUMBER(7,0)		Y	REFERENCES ADMISSIONS(HADM_ID)

Data Dictionary Key: FK = Foreign Key, Indx = Indexed attribute, NN = Not NULL, PK = Primary Key; for FK: REFERENCES TABLE_NAME(ATTRIBUTE_NAME)

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Table Name / **Attribute Name**	PK	FK	PostgreSQL data type	NN	Indx	Description of **Table** / **Attribute**
ICUSTAY_ID		Y	NUMBER(7,0)		Y	REFERENCES ICUSTAYS(ICUSTAY_ID)
ITEMID		Y	NUMBER(7,0)	Y	Y	REFERENCES D_ITEMS(ITEMID)
CHARTTIME			DATE	Y		Time the event occurred
STORETIME			DATE			Time the event was recorded in the system
CGID		Y	NUMBER(7,0)		Y	REFERENCES CAREGIVERS(CGID)
VALUE			VARCHAR2(200 BYTE)			Value of the event as a text string
VALUENUM			NUMBER			Value of the event as a number
VALUEUOM			VARCHAR2(20 BYTE)			Unit of measurement
WARNING			NUMBER(1,0)			Flag to highlight that the value has triggered a warning
ERROR			NUMBER(1,0)			Flag to highlight an error with the event
RESULTSTATUS			VARCHAR2(20 BYTE)			Result status of lab data
STOPPED			VARCHAR2(20 BYTE)			Text string indicating the stopped status of an event
CPTEVENTS	**PK**	**FK**	**Data Type**	**NN**	**Indx**	**Events recorded in Current Procedural Terminology**
ROW_ID	Y		INT	Y	Y	Unique row identifier
SUBJECT_ID		Y	INT	Y	Y	REFERENCES PATIENTS(SUBJECT_ID)
HADM_ID		Y	INT	Y	Y	REFERENCES ADMISSIONS(HADM_ID)
COSTCENTER			VARCHAR(10)	Y		Center recording the code [example: ICU or respiratory unit]
CHARTDATE			TIMESTAMP(0)			Date the event occurred
CPT_CD		*Y	VARCHAR(10)	Y	Y	*Broken relationship with D_CPT(_,_,_CODEINSUBSETION)
CPT_NUMBER			INT			Current Procedural Terminology code number
CPT_SUFFIX			VARCHAR(5)			Text element of CPT code, indicates code category
TICKET_ID_SEQ			INT			Sequence number of the event, derived from the ticket ID
SECTIONHEADER			VARCHAR(50)			High-level section of the CPT code
SUBSECTIONHEADER			VARCHAR(300)			Subsection of the CPT code
DESCRIPTION			VARCHAR(200)			Description of the Current Procedural Terminology
D_CPT	**PK**	**FK**	**Data Type**	**NN**	**Indx**	**Dictionary of Current Procedural Terminology**
ROW_ID	Y		INT	Y	Y	Unique row identifier

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Table Name / **Attribute Name**	PK	FK	PostgreSQL data type	NN	Indx	Description of **Table** / **Attribute**
CATEGORY			SMALLINT	Y	Y	Code category
SECTIONRANGE			VARCHAR(100)	Y		Range of codes within the high-level section
SECTIONHEADER			VARCHAR(50)	Y		Section header
SUBSECTIONRANGE			VARCHAR(100)	Y		Range of codes within the subsection
SUBSECTIONHEADER			VARCHAR(300)	Y		Subsection header
CODESUFFIX			VARCHAR(5)			Text element of Current Procedural Terminology
MINCODEINSUBSECTION			INT	Y		Minimum code within the subsection
MAXCODEINSUBSECTION			INT	Y		Maximum code within the subsection
D_ICD_DIAGNOSES	**PK**	**FK**	**Data Type**	**NN**	**Indx**	**Dictionary of Internatnl. Classification of Disease-Diagnoses**
ROW_ID			INT	Y		(Obsolete) Unique row identifier
ICD9_CODE	Y		VARCHAR(10)	Y	Y	Fixed length field (whitespaces included), uniquely ID ICD codes
SHORT_TITLE			VARCHAR(50)	Y	Y	Short title associated with the ICD code
LONG_TITLE			VARCHAR(300)	Y		Long title associated with the ICD code
D_ICD_PROCEDURES	**PK**	**FK**	**Data Type**	**NN**	**Indx**	**Dictionary of Internatnl. Classification of Disease-Procedures**
ROW_ID			INT	Y		(Obsolete) Unique row identifier
ICD9_CODE	Y		VARCHAR(10)	Y	Y	Fixed length field (whitespaces included), uniquely ID ICD codes
SHORT_TITLE			VARCHAR(50)	Y	Y	Short title associated with the ICD code
LONG_TITLE			VARCHAR(300)	Y		Long title associated with the ICD code
D_ITEMS	**PK**	**FK**	**Data Type**	**NN**	**Indx**	**Dictionary of non-laboratory-related charted items**
ROW_ID			INT	Y		(Obsolete) Unique row identifier
ITEMID	Y		INT	Y	Y	Unique identifier for the charted item
LABEL			VARCHAR(200)			Label identifying the item
ABBREVIATION			VARCHAR(100)			Abbreviation associated with the item
DBSOURCE			VARCHAR(20)	Y		Source database of the item
LINKSTO			VARCHAR(50)			Table which contains data for the given ITEMID
CATEGORY			VARCHAR(100)		Y	Category of data which the concept falls under
UNITNAME			VARCHAR(100)			Unit associated with the item

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Table Name / **Attribute Name**	PK	FK	PostgreSQL data type	NN	Indx	Description of **Table** / **Attribute**
PARAM_TYPE			VARCHAR(30)			Type of item [example: solution or ingredient]
CONCEPTID			INT			ID used to harmonize concepts identified by ITEMIDs [not used?]
D_LABITEMS	**PK**	**FK**	**Data Type**	**NN**	**Indx**	**Dictionary of laboratory-related items**
ROW_ID			INT	Y		(Obsolete) Unique row identifier
ITEMID	Y		INT	Y	Y	Unique identifier for the charted item
LABEL			VARCHAR(100)	Y		Label identifying the item
FLUID			VARCHAR(100)	Y		Fluid associated with the item [example: blood or urine]
CATEGORY			VARCHAR(100)	Y		Category of item [example: hematology or chemistry]
LOINC_CODE			VARCHAR(100)		Y	Logical Observation Identifiers Names and Codes for item
DATETIMEEVENTS	**PK**	**FK**	**Data Type**	**NN**	**Indx**	**Events relating to a datetime**
ROW_ID	Y		INT	Y	Y	Unique row identifier
SUBJECT_ID		Y	INT	Y	Y	REFERENCES PATIENTS(SUBJECT_ID)
HADM_ID		Y	INT		Y	REFERENCES ADMISSIONS(HADM_ID)
ICUSTAY_ID		Y	INT		Y	REFERENCES ICUSTAYS(ICUSTAY_ID)
ITEMID		Y	INT	Y	Y	REFERENCES D_ITEMS(ITEMID)
CHARTTIME			TIMESTAMP(0)	Y	Y	Time the event occurred
STORETIME			TIMESTAMP(0)	Y		Time the event was recorded in the system
CGID		Y	INT	Y	Y	REFERENCES CAREGIVERS(CGID)
VALUE			TIMESTAMP(0)		Y	Value of the event as a text string
VALUEUOM			VARCHAR(50)	Y		Unit of measurement
WARNING			SMALLINT			Flag to highlight that the value has triggered a warning
ERROR			SMALLINT			Flag to highlight an error with the event
RESULTSTATUS			VARCHAR(50)			Result status of lab data
STOPPED			VARCHAR(50)			Event was explicitly marked as stopped (rarely used)
DIAGNOSES_ICD	**PK**	**FK**	**Data Type**	**NN**	**Indx**	**Diagnosis on admission coded using ICD9 system**
ROW_ID	Y		INT	Y	Y	Unique row identifier
SUBJECT_ID		Y	INT	Y	Y	REFERENCES PATIENTS(SUBJECT_ID)

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Table Name / **Attribute Name**	PK	FK	PostgreSQL data type	NN	Indx	Description of **Table** / **Attribute**
HADM_ID		Y	INT	Y	Y	REFERENCES ADMISSIONS(HADM_ID)
SEQ_NUM			INT			Priority of the code. Sequence 1 is the primary code
ICD9_CODE		*Y	VARCHAR(10)		Y	*Referential integrity is not intact in source data (ICD9 Code)
DRGCODES	**PK**	**FK**	**Data Type**	**NN**	**Indx**	**Hospital stay classified using DRG system**
ROW_ID	Y		INT	Y	Y	Unique row identifier
SUBJECT_ID		Y	INT	Y	Y	REFERENCES PATIENTS(SUBJECT_ID)
HADM_ID		Y	INT	Y	Y	REFERENCES ADMISSIONS(HADM_ID)
DRG_TYPE			VARCHAR(20)	Y	Y	Type of Diagnosis-Related Group [ex: APR = All Patient Refined]
DRG_CODE			VARCHAR(20)	Y	Y	Diagnosis-Related Group code
DESCRIPTION			VARCHAR(300)			Description of the DRG
DRG_SEVERITY			SMALLINT			Relative severity, available for type APR only
DRG_MORTALITY			SMALLINT			Relative mortality, available for type APR only
ICUSTAYS	**PK**	**FK**	**Data Type**	**NN**	**Indx**	**List of ICU admissions**
ROW_ID			INT	Y		(Obsolete) Unique row identifier
SUBJECT_ID		Y	INT	Y	Y	REFERENCES PATIENTS(SUBJECT_ID)
HADM_ID		Y	INT	Y	Y	REFERENCES ADMISSIONS(HADM_ID)
ICUSTAY_ID	Y		INT	Y	Y	Unique identifier for the ICU stay
DBSOURCE			VARCHAR(20)	Y		Source database of the item
FIRST_CAREUNIT			VARCHAR(20)	Y	Y	First careunit associated with the ICU stay
LAST_CAREUNIT			VARCHAR(20)	Y	Y	Last careunit associated with the ICU stay
FIRST_WARDID			SMALLINT	Y		Identifier for the first ward location for the patient
LAST_WARDID			SMALLINT	Y		Identifier for the last ward location for the patient
INTIME			TIMESTAMP(0)	Y		Time of admission to the ICU
OUTTIME			TIMESTAMP(0)			Time of discharge from the ICU
LOS			DOUBLE		Y	Length Of Stay in the ICU in minutes
INPUTEVENTS_CV	**PK**	**FK**	**Data Type**	**NN**	**Indx**	**Events relating to fluid input, CareVue system**
ROW_ID	Y		INT	Y	Y	Unique row identifier

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Table Name / **Attribute Name**	PK	FK	PostgreSQL data type	NN	Indx	Description of **Table** / **Attribute**
SUBJECT_ID		Y	INT	Y	Y	REFERENCES PATIENTS(SUBJECT_ID)
HADM_ID		Y	INT		Y	REFERENCES ADMISSIONS(HADM_ID)
ICUSTAY_ID		Y	INT		Y	REFERENCES ICUSTAYS(ICUSTAY_ID)
CHARTTIME			TIMESTAMP(0)	Y		Time that the input was started or received
ITEMID		Y	INT	Y	Y	REFERENCES D_ITEMS(ITEMID)
AMOUNT			DOUBLE PRECISION			Amount of the item administered to the patient
AMOUNTUOM			VARCHAR(30)			Unit of measurement for the amount
RATE			DOUBLE PRECISION			Rate at which the item is being administered to the patient
RATEUOM			VARCHAR(30)			Unit of measurement for the rate
STORETIME			TIMESTAMP(0)	Y		Time when the event was recorded in the system
CGID		Y	BIGINT		Y	REFERENCES CAREGIVERS(CGID)
ORDERID			BIGINT	Y	Y	Identifier linking items which are grouped in a solution
LINKORDERID			BIGINT	Y		Identifier linking orders across multiple administrations
STOPPED			VARCHAR(30)			Event was explicitly marked as stopped (rarely used)
NEWBOTTLE			INT			Indicates when a new bottle of the solution was hung at bedside
ORIGINALAMOUNT			DOUBLE PRECISION			Amount of the item which was originally charted
ORIGINALAMOUNTUOM			VARCHAR(30)			Unit of measurement for the original amount
ORIGINALROUTE			VARCHAR(30)			Route of administration originally chosen for the item
ORIGINALRATE			DOUBLE PRECISION			Rate of administration originally chosen for the item
ORIGINALRATEUOM			VARCHAR(30)			Unit of measurement for the rate originally chosen
ORIGINALSITE			VARCHAR(30)			Anatomical site for the original administration of the item
INPUTEVENTS_MV	**PK**	**FK**	**Data Type**	**NN**	**Indx**	**Events relating to fluid input, MetaVision system**
ROW_ID	Y		INT	Y	Y	Unique row identifier
SUBJECT_ID		Y	INT	Y	Y	REFERENCES PATIENTS(SUBJECT_ID)
HADM_ID		Y	INT	Y	Y	REFERENCES ADMISSIONS(HADM_ID)
ICUSTAY_ID		Y	INT		Y	REFERENCES ICUSTAYS(ICUSTAY_ID)
STARTTIME			TIMESTAMP(0)	Y	Y	Time the event started
ENDTIME			TIMESTAMP(0)	Y	Y	Time the event ended

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Table Name / **Attribute Name**	PK	FK	PostgreSQL data type	NN	Indx	Description of **Table** / **Attribute**
ITEMID		Y	INT	Y	Y	REFERENCES D_ITEMS(ITEMID)
AMOUNT			DOUBLE PRECISION	Y		Amount of the item administered to the patient
AMOUNTUOM			VARCHAR(30)	Y		Unit of measurement for the amount
RATE			DOUBLE PRECISION			Rate at which the item is being administered to the patient
RATEUOM			VARCHAR(30)			Unit of measurement for the rate
STORETIME			TIMESTAMP(0)	Y		Time when the event was recorded in the system
CGID		Y	BIGINT	Y	Y	REFERENCES CAREGIVERS(CGID)
ORDERID			BIGINT	Y	Y	Identifier linking items which are grouped in a solution
LINKORDERID			BIGINT	Y		Identifier linking orders across multiple administrations
ORDERCATEGORYNAME			VARCHAR(100)	Y		A group to which the item corresponds
SECONDARYORDERCATEGORYNAME			VARCHAR(100)			A secondary group for those items with more than one grouping
ORDERCOMPONENTTYPEDESCRIPTION			VARCHAR(200)	Y		The role of the item administered in the order
ORDERCATEGORYDESCRIPTION			VARCHAR(50)	Y		The type of item administered
PATIENTWEIGHT			DOUBLE PRECISION	Y		Value of the patient weight used for medication calculation
TOTALAMOUNT			DOUBLE PRECISION			The total amount in the solution for the given item
TOTALAMOUNTUOM			VARCHAR(50)			Unit of measurement for the total amount in the solution
ISOPENBAG			SMALLINT	Y		Indicates whether the bag containing the solution is open
CONTINUEINNEXTDEPT			SMALLINT	Y		Indicates whether the item will be continued if transferred
CANCELREASON			SMALLINT	Y		Reason for cancellation
STATUSDESCRIPTION			VARCHAR(30)	Y		Current status of the order: stopped, rewritten, running, cancelled
COMMENTS_EDITEDBY			VARCHAR(30)			Title of the caregiver who edited the order
COMMENTS_CANCELEDBY			VARCHAR(40)			Title of the caregiver who canceled the order
COMMENTS_DATE			TIMESTAMP(0)			Time at which the caregiver edited or cancelled the order
ORIGINALAMOUNT			DOUBLE PRECISION	Y		Amount of the item which was originally charted
ORIGINALRATE			DOUBLE PRECISION	Y		Rate of administration originally chosen for the item
LABEVENTS	**PK**	**FK**	**Data Type**	**NN**	**Indx**	**Events relating to laboratory tests**
ROW_ID	Y		INT	Y	Y	Unique row identifier
SUBJECT_ID		Y	INT	Y	Y	REFERENCES PATIENTS(SUBJECT_ID)

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Table Name / **Attribute Name**	PK	FK	PostgreSQL data type	NN	Indx	Description of **Table** / **Attribute**
HADM_ID		Y	INT		Y	REFERENCES ADMISSIONS(HADM_ID)
ITEMID		Y	INT	Y	Y	REFERENCES D_LABITEMS(ITEMID)
CHARTTIME			TIMESTAMP(0)	Y	Y	Time when the event occurred
VALUE			VARCHAR(200)			Value of the event as a text string
VALUENUM			DOUBLE PRECISION			Value of the event as a number
VALUEUOM			VARCHAR(20)			Unit of measurement
FLAG			VARCHAR(20)			Flag indicating whether lab test value is abnormal (NULL = normal)
MICROBIOLOGYEVENTS	**PK**	**FK**	**Data Type**	**NN**	**Indx**	**Events relating to microbiology tests**
ROW_ID	Y		INT	Y	Y	Unique row identifier
SUBJECT_ID		Y	INT	Y	Y	REFERENCES PATIENTS(SUBJECT_ID)
HADM_ID		Y	INT		Y	REFERENCES ADMISSIONS(HADM_ID)
CHARTDATE			TIMESTAMP(0)	Y	Y	Date when the event occurred
CHARTTIME			TIMESTAMP(0)			Time when the event occurred
SPEC_ITEMID		Y	INT		Y	REFERENCES D_ITEMS(ITEMID) [Identifies specimen]
SPEC_TYPE_DESC			VARCHAR(100)	Y	Y	Description of the specimen
ORG_ITEMID		Y	INT		Y	REFERENCES D_ITEMS(ITEMID) [Identifies organism]
ORG_NAME			VARCHAR(100)		Y	Name of the organism
ISOLATE_NUM			SMALLINT			Isolate number associated with the test
AB_ITEMID		Y	INT		Y	REFERENCES D_ITEMS(ITEMID) [Identifies antibody]
AB_NAME			VARCHAR(30)		Y	Name of the antibody used
DILUTION_TEXT			VARCHAR(10)			The dilution amount tested and the comparison which was made
DILUTION_COMPARISON			VARCHAR(20)			The comparison component of DILUTION_TEXT
DILUTION_VALUE			DOUBLE PRECISION			The value component of DILUTION_TEXT
INTERPRETATION			VARCHAR(5)			Interpretation of the test
NOTEEVENTS	**PK**	**FK**	**Data Type**	**NN**	**Indx**	**Notes associated with hospital stay**
ROW_ID	Y		INT	Y	Y	Unique row identifier
SUBJECT_ID		Y	INT	Y	Y	REFERENCES PATIENTS(SUBJECT_ID)

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Table Name / **Attribute Name**	PK	FK	PostgreSQL data type	NN	Indx	Description of **Table** / **Attribute**
HADM_ID		Y	INT		Y	REFERENCES ADMISSIONS(HADM_ID)
CHARTDATE			TIMESTAMP(0)	Y	Y	Date when the note was charted
CHARTTIME			TIMESTAMP(0)			Date and time when the note was charted
STORETIME			TIMESTAMP(0)			Time the event was recorded in the system
CATEGORY			VARCHAR(50)	Y	Y	Category of the note [example: discharge summary]
DESCRIPTION			VARCHAR(300)	Y	Y	More detailed categorization for the note [free text]
CGID		Y	INT		Y	REFERENCES CAREGIVERS(CGID)
ISERROR			CHAR(1)			Flag to highlight an error with the note
TEXT			TEXT			Content of the note
OUTPUTEVENTS	**PK**	**FK**	**Data Type**	**NN**	**Indx**	**Output data for patients**
ROW_ID	Y		INT	Y	Y	Unique row identifier
SUBJECT_ID		Y	INT	Y	Y	REFERENCES PATIENTS(SUBJECT_ID)
HADM_ID		Y	INT		Y	REFERENCES ADMISSIONS(HADM_ID)
ICUSTAY_ID		Y	INT		Y	REFERENCES ICUSTAYS(ICUSTAY_ID)
CHARTTIME			TIMESTAMP(0)	Y	Y	Time of an output event
ITEMID		Y	INT	Y	Y	REFERENCES D_ITEMS(ITEMID)
VALUE			DOUBLE PRECISION			The amount of substance at the CHARTTIME
VALUEUOM			VARCHAR(30)			Unit of measurement for the substance
STORETIME			TIMESTAMP(0)	Y		Time the event was recorded in the system
CGID		Y	BIGINT	Y	Y	REFERENCES CAREGIVERS(CGID)
STOPPED			VARCHAR(30)			Indicates if the order was stopped at the given CHARTTIME
NEWBOTTLE			INT			Indicates that a new bag of solution was hung at given CHARTTIME
ISERROR			SMALLINT			In Metavision, checkbox indicator for an observation error
PATIENTS	**PK**	**FK**	**Data Type**	**NN**	**Indx**	**Patients associated with an ICU admission**
ROW_ID			INT	Y		(Obsolete) Unique row identifier
SUBJECT_ID	Y		INT	Y	Y	Unique identifier for each patient
GENDER			VARCHAR(5)	Y		Gender

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Table Name / **Attribute Name**	PK	FK	PostgreSQL data type	NN	Indx	Description of **Table** / **Attribute**
DOB			TIMESTAMP(0)	Y		Date of birth
DOD			TIMESTAMP(0)			Date of death
DOD_HOSP			TIMESTAMP(0)			Date of death recorded in the hospital records
DOD_SSN			TIMESTAMP(0)			Date of death recorded in social security records
EXPIRE_FLAG			VARCHAR(5)	Y	Y	Flag indicating that the patent has died
PRESCRIPTIONS	**PK**	**FK**	**Data Type**	**NN**	**Indx**	**Medications prescribed**
ROW_ID	Y		INT	Y	Y	Unique row identifier
SUBJECT_ID		Y	INT	Y	Y	REFERENCES PATIENTS(SUBJECT_ID)
HADM_ID		Y	INT	Y	Y	REFERENCES ADMISSIONS(HADM_ID)
ICUSTAY_ID		Y	INT		Y	REFERENCES ICUSTAYS(ICUSTAY_ID)
STARTDATE			TIMESTAMP(0)			Date when the prescription started
ENDDATE			TIMESTAMP(0)			Date when the prescription ended
DRUG_TYPE			VARCHAR(100)	Y	Y	Type of drug
DRUG			VARCHAR(100)	Y	Y	Name of the drug
DRUG_NAME_POE			VARCHAR(100)			Name of drug on the Provider Order Entry interface
DRUG_NAME_GENERIC			VARCHAR(100)			Generic name of drug
FORMULARY_DRUG_CD			VARCHAR(120)			Formulary drug code
GSN			VARCHAR(200)			Generic Sequence Number
NDC			VARCHAR(120)			National Drug Code
PROD_STRENGTH			VARCHAR(120)			Strength of the drug (product)
DOSE_VAL_RX			VARCHAR(120)			Dose of the drug prescribed
DOSE_UNIT_RX			VARCHAR(120)			Unit of measurement associated with the dose
FORM_VAL_DISP			VARCHAR(120)			Amount of the formulaiton dispensed
FORM_UNIT_DISP			VARCHAR(120)			Unit of measurement associated with the formulation
ROUTE			VARCHAR(120)			Route of administration [example: oral or intravenous]
PROCEDUREEVENTS_MV	**PK**	**FK**	**Data Type**	**NN**	**Indx**	**Contains procedures for patients from MetaVision**
ROW_ID			INT	Y		(Obsolete) Unique row identifier

Data Dictionary Key: FK = Foreign Key, Indx = Indexed attribute, NN = Not NULL, PK = Primary Key; for FK: REFERENCES TABLE_NAME(ATTRIBUTE_NAME)

MIMIC-III Data Dictionary (Created by Joseph Miles for SUNY Oswego implementation)

Table Name / **Attribute Name**	PK	FK	PostgreSQL data type	NN	Indx	Description of **Table** / **Attribute**
SUBJECT_ID		Y	INT	Y	Y	REFERENCES PATIENTS(SUBJECT_ID)
HADM_ID		Y	INT	Y	Y	REFERENCES ADMISSIONS(HADM_ID)
ICUSTAY_ID		Y	INT		Y	REFERENCES ICUSTAYS(ICUSTAY_ID)
STARTTIME			TIMESTAMP(0)	Y		
ENDTIME			TIMESTAMP(0)	Y		
ITEMID		Y	INT	Y	Y	REFERENCES D_ITEMS(ITEMID)
VALUE			DOUBLE PRECISION	Y		
VALUEUOM			VARCHAR(30)	Y		
LOCATION			VARCHAR(30)			
LOCATIONCATEGORY			VARCHAR(30)			
STORETIME			TIMESTAMP(0)	Y		
CGID		Y	INT	Y	Y	REFERENCES CAREGIVERS(CGID)
ORDERID	Y		INT	Y	Y	
LINKORDERID			INT	Y		
ORDERCATEGORYNAME			VARCHAR(100)	Y	Y	
SECONDARYORDERCATEGORYNAME			VARCHAR(100)			
ORDERCATEGORYDESCRIPTION			VARCHAR(50)	Y		
ISOPENBAG			SMALLINT	Y		
CONTINUEINNEXTDEPT			SMALLINT	Y		
CANCELREASON			SMALLINT	Y		
STATUSDESCRIPTION			VARCHAR(30)	Y		
COMMENTS_EDITEDBY			VARCHAR(30)			
COMMENTS_CANCELEDBY			VARCHAR(30)			
COMMENTS_DATE			TIMESTAMP(0)			
PROCEDURES_ICD	**PK**	**FK**	**Data Type**	**NN**	**Indx**	**Procedures relating to an admission coded in ICD9**
ROW_ID	Y		INT	Y	Y	Unique row identifier
SUBJECT_ID		Y	INT	Y	Y	REFERENCES PATIENTS(SUBJECT_ID)
HADM_ID		Y	INT	Y	Y	REFERENCES ADMISSIONS(HADM_ID)

Data Dictionary Key: FK = Foreign Key, Indx = Indexed attribute, NN = Not NULL, PK = Primary Key; for FK: REFERENCES TABLE_NAME(ATTRIBUTE_NAME)

MIMIC-III Data Dictionary (Created by Joseph Miles for SUNY Oswego implementation)

Table Name / **Attribute Name**	PK	FK	PostgreSQL data type	NN	Indx	Description of **Table** / **Attribute**
SEQ_NUM			INT	Y		Lower procedure numbers occurred earlier
ICD9_CODE		*Y	VARCHAR(10)	Y	Y	*Referential integrity is not intact in source data (ICD9 Code)
SERVICES	**PK**	**FK**	**Data Type**	**NN**	**Indx**	**Hospital services received by patients**
ROW_ID	Y		INT	Y	Y	Unique row identifier
SUBJECT_ID		Y	INT	Y	Y	REFERENCES PATIENTS(SUBJECT_ID)
HADM_ID		Y	INT	Y	Y	REFERENCES ADMISSIONS(HADM_ID)
TRANSFERTIME			TIMESTAMP(0)	Y		Time when the transfer occurred
PREV_SERVICE			VARCHAR(20)		Y	Previous service type
CURR_SERVICE			VARCHAR(20)	Y	Y	Current service type
TRANSFERS	**PK**	**FK**	**Data Type**	**NN**	**Indx**	**Location of patients during their hospital stay**
ROW_ID	Y		INT	Y	Y	Unique row identifier
SUBJECT_ID		Y	INT	Y	Y	REFERENCES PATIENTS(SUBJECT_ID)
HADM_ID		Y	INT	Y	Y	REFERENCES ADMISSIONS(HADM_ID)
ICUSTAY_ID		Y	INT		Y	REFERENCES ICUSTAYS(ICUSTAY_ID)
DBSOURCE			VARCHAR(20)			Source database of the item
EVENTTYPE			VARCHAR(20)			Type of event [example: admission or transfer]
PREV_CAREUNIT			VARCHAR(20)		Y	Previous careunit
CURR_CAREUNIT			VARCHAR(20)		Y	Current careunit
PREV_WARDID			SMALLINT			Identifier for the patient's previous ward
CURR_WARDID			SMALLINT			Identifier for the patient's current ward
INTIME			TIMESTAMP(0)			Time when the patient was transferred into the unit
OUTTIME			TIMESTAMP(0)			Time when the patient was transferred out of the unit
LOS			INT		Y	Length Of Stay in the unit in minutes

Data Dictionary Key: FK = Foreign Key, Indx = Indexed attribute, NN = Not NULL, PK = Primary Key; for FK: REFERENCES TABLE_NAME(ATTRIBUTE_NAME)

MIMIC-III Entity Relationship Diagram