## MIMIC Database Relationship Diagram

d_cpt	
row_id	int
category	int
sectionrange	int
sectionheader	categorical
subsectionrange	int
subsectionheader	string
mincodeinsubsection	int
maxcodeinsubsection	int

	cptevents	
	row_id	int
	subject_id	int
	hadm_id	int
	costcenter	categorical
	chartdate	datetime
$\leq$	cpt_cd	categorical
	cpt_number	int
	cpt_suffix	string
	ticket_id_seq	int
	sectionheader	categorical
	subsectionheader	categorical
	description	string

	d_icd_diagnoses	
	row_id	int
-	icd9_code	int
	short_title	string
	long_title	string

	diagnoses_icd	
	row_id	int
	subject_id	int
	hadm_id	int
	seq_num	int
$\leq$	icd9_code	categorical

	d_icd_procedures	
	row_id	int
$\dashv$	icd9_code	int
	short_title	string
	long_title	string

procedures_icd	
row_id	int
subject_id	int
hadm_id	int
seq_num	int
icd9_code	categorical

	d_labitems	
	row_id	int
_	itemid	int
	label	string
	fluid	string
	category	categorical
	loinc_code	categorical
	category	categorical
	loinc_code	int

	labevents	
	row_id	int
	subject_id	int
	hadm_id	int
$\leq$	itemid	int
	charttime	datetime
	value	int
	valuenum	int
	valueuom	categorical
	flag	categorical

admissions		callout	
row_id	int	row_id	int
subject_id	int	subject_id	int
hadm_id	int	hadm_id	int
admittime	datetime	submit_wardid	int
dischtime	datetime	submit_careunit	cat
deathtime	datetime	curr_wardid	int
admission_type	categorical	curr_careunit	cat
admission_location	categorical	callout_wardid	int
discharge_location	categorical	callout_service	cat
insurance	categorical	request_tele	bin
language	categorical	request_resp	bin
religion	categorical	request_cdiff	bin
marital_status	categorical	request_mrsa	bin
ethnicaity	categorical	request_vre	bin
edregtime	datetime	callout_status	cat

datetime

binary

binary

categorical

patients	
row_id	int
subject_id	int
gender	categorical
dob	datetime
dod	datetime
dod_hosp	datetime
dod_ssn	datetime
expire_flag	binary

edouttime

diagnosis

hospital\_expire\_flag

has\_chartevents\_data

callout	
row_id	int
subject_id	int
hadm_id	int
submit_wardid	int
submit_careunit	categorical
curr_wardid	int
curr_careunit	categorical
callout_wardid	int
callout_service	categorical
request_tele	binary
request_resp	binary
request_cdiff	binary
request_mrsa	binary
request_vre	binary
callout_status	categorical
callout_outcome	categorical
discharge_wardid	int
acknowledge_status	categorical
has_chartevents_data	binary
createtime	datetime
updatetime	datetime
acknowledgetime	datetime
outcometime	datetime
firstreservationtime	datetime
currentreservationtime	datetime

transfers	
row_id	int
subject_id	int
hadm_id	int
icustay_id	int
dbsource	categorical
eventtype	categorical
prev_careunit	categorical
curr_careunit	categorical
prev_wardid	int
curr_wardid	int
intime	datetime
outtime	datetime
los	int

caregivers	
cgid	int
label	categorical
description	string

drgcodes	
row_id	int
subject_id	int
hadm_id	int
drg_type	categorical
drg_code	categorical
description	string
drg_severity	int
drg_motality	int

rt
t
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atetime
ategorical
ategorical

prescriptions			
ow_id	int		
subject_id	int		
nadm_id	int		
custay_id	int		
startdate	datetime		
enddate	datetime		
drug_type	categorical		
drug	categorical		
drug_name_poe	categorical		
drug_name_generic	categorical		
formulary_drug_cd	categorical		
gsn	int		
ndc	int		
orod_strength	categorical		
dose_val_rx	int		
dose_unit_rx	categorical		
iorm_val_disp	int		
form_unit_disp	categorical		
route	categorical		

icustays	
row_id	int
subject_id	int
hadm_id	int
icustay_id	int
dbsource	categorical
first_careunit	categorical
last_careunit	categorical
first_wardid	categorical
last_careunit	categorical
intime	datetime
outtime	datetime
los	int

noteevents	
row_id	int
subject_id	int
hadm_id	int
chartdate	datetime
charttime	datetime
storetime	datetime
category	categorical
description	string
cgid	int
iserror	binary
text	string

	d_items		
	row_id	int	
+	itemid	int	
	label	string	
	abbreviation	string	
	dbsource	categorical	
	linksto	categorical	
	category	categorical	
	unitname	categorical	
	param_type	categorical	

	inputevents_cv	
	row_id	int
	subject_id	int
	hadm_id	int
	icustay_id	int
	charttime	datetime
$\leq$	itemid	categorical
	amount	int
	amountuom	int
	rate	int
	rateuom	categorical
	storetime	datetime
	cgid	int
	orderid	int
	linkorderid	int
	stopped	categorical
	newbottle	binary
	originalamount	int
	originalamountuom	categorical
	originalroute	categorical
	originalrate	int
	originalrateuom	int
	originalsite	binary

	row_id	int
	subject_id	int
	hadm_id	int
	chartdate	datetime
	charttime	datetime
<	spec_itemid	int
	spec_type_desc	categorical
$\prec$	org_itemid	int
	org_name	categorical
	isolate_num	int
<	ab_itemid	int
	ab_name	categorical
	dilution_text	string
	dilution_comparison	categorical
	dilution_value	int
	interpretation	categorical

microbiologyevents

chartevents		
row_id	int	
subject_id	int	
hadm_id	int	
icustay_id	int	
itemid	int	
charttime	datetime	
storetime	datetime	
cgid	int	
value	int	
valuenum	int	
valueuom	categorical	
warning	binary	
error	binary	
resultstatus	cateogircal	
stopped	categorical	

datetimeevents	
row_id	int
subject_id	int
hadm_id	int
icustay_id	int
itemid	int
charttime	datetime
storetime	datetime
cgid	int
value	int
valueuom	categorical
warning	binary
error	binary
resultstatus	categorical
stopped	categorical

	outputevents	
	row_id	int
	subject_id	int
	hadm_id	int
	icustay_id	int
	charttime	datetime
$\leq$	itemid	int
	value	int
	valueuom	categorical
	storetime	datetime
	cgid	int
	stopped	binary
	newbottle	binary
	iserror	binary

inputevents_mv	
ow_id	int
subject_id	int
nadm_id	int
custay_id	int
tarttime	datetime
endtime	datetime
temid	int
amount	int
nmountuom	categorical
ate	int
ateuom	int
toretime	datetime
egid	int
orderid	int
inkorderid	int
ordercategoryname	categorical
secondaryordercateogryname	categorical
ordercomponenttypedescription	categorical
ordercategorydescription	categorical
patientweight	int
otalamount	int
otalamountuom	categorical
sopenbag	int
continueinnextdept	int
cancelreason	int
statusdescription	categorical
comments_status	categorical
comments_title	string
comments_date	datetime
priginalamount	int
priginalrate	int