MIMIC IV

Hosp Module

Table 1. Hosp module Tables description with detailed information about the features

Table	Description	Features
omr	The Online Medical Record (OMR) table contains miscellaneous information from the EHR	subject_id, chartdate, seq_num, result_name, result_value
provider	The provider table lists deidentified provider identifiers used in the database	provider_id
admission	Detailed information about hospital stays	subject_id, hadm_id, admittime, dischtime, deathtime, admission_type, admit_provider_id, admission_location, discharge_location, insurance, language, marital_status, race, edregtime, edouttime, hospital_expire_flag
diagnoses_icd	Billed ICD-9/ICD-10 diagnoses for hospitalizations	subject_id, hadm_id, seq_num, icd_code, icd_version
drgcodes	Billed diagnosis-related group (DRG) codes for hospitalizations	subject_id, hadm_id, drg_type, drg_code, description, drg_severity, drg_mortality
emar	The Electronic Medicine Administration Record (eMAR); barcode scanning of medications at the time of administration	subject_id, hadm_id, emar_id, emar_seq, poe_id, pharmacy_id, enter_provider_id, charttime, medication, event_txt, scheduletime, storetime
emar_detail	Supplementary information for electronic administrations recorded in eMAR	subject_id, emar_id, emar_seq, parent_field_ordinal, administration_type, pharmacy_id, barcode_type, reason_for_no_barcode, complete_dose_not_given, dose_due, dose_due_unit, dose_given, dose_given_unit, will_remainder_of_dose_be_given, product_amount_given, product_unit, product_code, product_description, product_description_other, prior_infusi, n_rate, infusion_rate, infusion_rate_adjustment, infusion_rate_adjustment_amount, infusion_rate_unit, route, infusion_complete, completion_interval, new_iv_bag_hung, contin, ed_infusion_in_other_location, restart_interval, side, site, non_formulary_visual_verification
hpcsevents	Billed events occurring during the hospitalization. Includes CPT codes	subject_id, hadm_id, chartdate, hcpcs_cd, seq_num, short_description
labevents	Laboratory measurements sourced from patient-derived specimens	labevent_id, subject_id, hadm_id, specimen_id, itemid, order_provider_id, charttime, storetime, value, valuenum, valueuom, ref_range_lower, ref_range_upper, flag, priority, comments
microbiologyevents	Microbiology cultures	microevent_id, subject_id, hadm_id, micro_specimen_id, order_provider_id, chartdate, charttime, spec_itemid, spec_type_desc, test_seq, storedate, storetime, test_itemid, test_n, me, org_itemid, org_name, isolate_num, quantity, ab_itemid, ab_name, dilution_text, dilution_comparison, dilution_value, interpretation, comments

patients	Patients' gender, age, and date of death if information exists	subject_id, gender, anchor_age, anchor_year, anchor_year_group, dod
pharmacy	Formulary, dosing, and other information for prescribed medications	subject_id, hadm_id, pharmacy_id, poe_id, starttime, stoptime, medication, proc_type, status, entertime, verifiedtime, route, frequency, disp_sched, infusion_type, sliding_scale, lockout_interval, basal_rate, one_hr_max, doses_per_24_hrs, duration, duration_interval, expiration_value, expiration_unit, expirationdate, dispensation, fill_quantity
poe	Orders made by providers relating to patient care	poe_id, poe_seq, subject_id, hadm_id, ordertime, order_type, order_subtype, transaction_type, discontinue_of_poe_id, discontinued_by_poe_id, order_provider_id, order_status
poe_detail	Supplementary information for orders made by providers in the hospital	poe_id, poe_seq, subject_id, field_name, field_value
prescriptions	Prescribed medications	subject_id, hadm_id, pharmacy_id, poe_id, poe_seq, order_provider_id, starttime, stoptime, drug_type, drug, formulary_drug_cd, gsn, ndc, prod_strength, form_rx, dose_val_rx, dose_unit_rx, form_val_disp, form_unit_disp, doses_per_24_hrs, route
procedures_icd	Billed procedures for patients during their hospital stay	subject_id, hadm_id, seq_num, chartdate, icd_code, icd_version
services	The hospital service(s) that cared for the patient during their hospitalization	subject_id, hadm_id, transfertime, prev_service, curr_service
transfers	Detailed information about patients' unit transfers	subject_id, hadm_id, transfer_id, eventtype, careunit, intime, outtime
d_hcpcs	Dimension table for hpcsevents; provides a description of CPT codes	code, category, long_description, short_description
d_icd_diagnoses	Dimension table for diagnoses_icd; provides a description of ICD-9/ICD-10 billed diagnoses	icd_code, icd_version, long_title
d_icd_procedures	Dimension table for procedures_icd; provides a description of ICD-9/ICD-10 billed procedures	icd_code, icd_version, long_title
d_labitems	Dimension table for labevents provides a description of all lab items	itemid, label, fluid, category

ICU module

Table 2. Description of ICU module Tables with detailed information about the features

Table	Description	Features
caregiver	The caregiver table lists deidentified provider identifiers used in the ICU module	caregiver_id
d_items	Dimension table describing itemid. Defines concepts recorded in the events table in the ICU module	itemid, label, abbreviation, linksto, category, unitname, param_type, lownormalvalue, highnormalvalue
chartevents	Charted items occurring during the ICU stay. Contains the majority of information documented in the ICU	subject_id, hadm_id, stay_id, caregiver_id, charttime, storetime, itemid, value, valuenum, valueuom, warning
datetimeevents	Documented information which is in a date format (e.g., date of last dialysis)	subject_id, hadm_id, stay_id, caregiver_id, charttime, storetime, itemid, value, valueuom, warning

icustays	Tracking information for ICU stays including admission and discharge times	subject_id, hadm_id, stay_id, first_careunit, last_careunit, intime, outtime, los
Ingredientevents	Ingredients of continuous or intermittent administrations including nutritional and water content	subject_id, hadm_id, stay_id, caregiver_id, starttime, endtime, storetime, itemid, amount, amountuom, rate, rateuom, orderid, linkorderid, statusdescription, originalamount, originalrate
inputevents	Information documented regarding continuous infusions or intermittent administrations	subject_id, hadm_id, stay_id, caregiver_id, starttime, endtime, storetime, itemid, amount, amountuom, rate, rateuom, orderid, linkorderid, ordercategoryname, secondaryordercategoryname, ordercomponenttypedescription, ordercategorydescription, patientweight, totalamount, totalamountuom, isopenbag, statusdescription, originalamount, originalrate
outputevents	Information regarding patient outputs including urine, drainage, and so on	subject_id, hadm_id, stay_id, caregiver_id, charttime, storetime, itemid, value, valueuom
procedureevent	Procedures documented during the ICU stay (e.g., ventilation), though not necessarily conducted within the ICU (e.g., x-ray imaging)	subject_id, hadm_id, stay_id, caregiver_id, starttime, endtime, storetime, itemid, value, valueuom, location, locationcategory, orderid, linkorderid, ordercategoryname, ordercategorydescription, patientweight, isopenbag, continueinnextdept, statusdescription, originalamount, originalrate

MIMIC IV-ED

Table 3. Description of *ED* module Tables with detailed information about the features

Table	Description	Features
diagnosis	The diagnosis table provides billed diagnoses for patients. Diagnoses are determined after discharge from the emergency department	subject_id, stay_id, seq_num, icd_code, icd_version, icd_title
edstays	The edstays table is the primary tracking table for emergency department visits. It provides the time the patient entered the emergency department and the time they left the emergency department	subject_id, hadm_id, stay_id, intime, outtime, gender, race, arrival_transport, disposition
medrecon	On admission to the emergency departments, staff will ask the patient what current medications they are taking. This process is called medicine reconciliation, and the medrecon table stores the findings of the care providers	subject_id, stay_id, charttime, name, gsn, ndc, etc_rn, etccode, etcdescription
pyxis	The pyxis table provides information for medicine dispensations made via the Pyxis system	subject_id, stay_id, charttime, med_rn, name, gsn_rn, gsn
triage	The triage table contains information about the patient when they were first triaged in the emergency department	subject_id, stay_id, temperature, heartrate, resprate, o2sat, sbp, dbp, pain, acuity, chiefcomplaint
vitalsign	Patients admitted to the emergency department have routine vital signs taken every 1-4 hours. These vital signs are stored in the vitalsign table	subject_id, stay_id, charttime, temperature, heartrate, resprate, o2sat, sbp, dbp, rhythm, pain

MIMIC IV-CXR

Table 4. Description of *CXR* module Tables with detailed information about the features

Table	Description	Features
cxr_record_list	Lists all records in the MIMIC-CXR database	subject_id, study_id, dicom_id

MIMIC IV-Note

Table 5. Description of *Note* module Tables with detailed information about the features

Table	Description	Features
discharge	Discharge summaries for hospitalizations	note_id, subject_id, hadm_id, note_type, note_seq, charttime, storetime, text
discharge_detail	Auxiliary information for discharge summaries	note_id, subject_id, field_name, field_value, field_ordinal
radiology	Radiology report	note_id, subject_id, hadm_id, note_type, note_seq, charttime, storetime, text
radiology_detail	Auxiliary information for radiology notes	note_id, subject_id, field_name, field_value, field_ordinal
cxr_record_list	Lists all records in the MIMIC-CXR database	subject_id, study_id, dicom_id