

Clarity Table Reference Guide

25 Most-Queried Tables | Join Keys | ETL Schedule | TechFitFlow.com

Reference for the most commonly queried Clarity tables. ETL Schedule: N=Nightly, NRT=Near-Real-Time (15-60 min). Confirm schedules with your Epic technical team - they vary by installation.

Table Name	Clinical Domain	Primary Join Key(s)	Key Columns	ETL	Common Mistake
PAT_ENC	Encounters (all)	PAT_ENC_CSN_ID PAT_ID	HOSP_ADMSN_TIME HOSP_DISCHRG_TIME ENC_TYPE_C DEPARTMENT_ID	N	No date filter causes full table scan. No ENC_TYPE_C filter mixes inpatient with outpatient.
PATIENT	Demographics	PAT_ID	PAT_MRN_ID BIRTH_DATE SEX_C PAT_STATUS_C	N	SELECT * pulls SSN and financial data. Use minimum necessary columns only.
CLARITY_ADT	ADT Events	PAT_ENC_CSN_ID	EVENT_TYPE_C EFFECTIVE_TIME FROM_BASE_CLASS_C TO_BASE_CLASS_C	NRT	Multiple rows per encounter (one per ADT event). Must aggregate for LOS.
PAT_ENC_DX	Diagnoses	PAT_ENC_CSN_ID DX_ID	LINE PRIMARY_DX_YN DX_CHRONIC_YN	N	Missing PRIMARY_DX_YN = Y filter inflates counts (one row per dx per encounter).
CLARITY_EDG	Diagnosis Dictionary	DX_ID	CODE (ICD-10) CODE_DESC DX_TYPE_C	N	edg.CODE is the text ICD-10 code. Confirm ICD-9 vs ICD-10 scope.
ORDER_PROC	Procedure Orders	ORDER_PROC_ID PAT_ENC_CSN_ID	PROC_ID ORD_STATUS_C ORDER_TIME PRV_ID	N	No status filter includes cancelled orders. Filter ORD_STATUS_C.
ORDER_RESULTS	Lab Result Values	ORDER_PROC_ID	COMPONENT_ID ORD_VALUE RESULT_TIME RESULT_FLAG_C	NRT	Multiple rows per order (one per result component). Filter COMPONENT_ID.
ORDER_MED	Medication Orders	ORDER_MED_ID PAT_ENC_CSN_ID	MEDICATION_ID SIG START_DATE END_DATE	N	Includes discontinued orders. Filter by order status for active meds.
MAR_ADMIN_INFO	Medication Administration	ORDER_MED_ID	TAKEN_TIME MAR_ACTION_C DOSE_UNIT_C SIG_USER_ID	NRT	MAR_ACTION_C = 1 is "Given". Other actions need separate handling.
CLARITY_DEP	Department Reference	DEPARTMENT_ID	DEPARTMENT_NAME REV_LOC_ID SPECIALTY_DEP_C	N	Required for human-readable department names. Always join.

CLARITY_SER	Provider Reference	PROV_ID	PROV_NAME DEPARTMENT_ID PROV_TYPE	N	Required for provider name lookups. Join on PROV_ID from encounter/order tables.
CLB_PROV_CHARGE	Professional Charges	TX_ID PAT_ENC_CSN_ID	PROC_ID AMOUNT POST_DATE SERVICE_DATE	N	Charges in Clarity are not adjudicated. Do not use for payment analysis.
ZC_ENC_TYPE	Encounter Type Codes	ENC_TYPE_C	NAME ABBR	N	ZC_ tables are lookup/reference. Always join to make category codes readable.
ZC_PAT_CLASS	Patient Class Codes	PAT_CLASS_C	NAME ABBR	N	Patient class (Inpatient, Outpatient, ED) - needed for correct encounter filtering.
DOCS_METADATA	Document Metadata	DOC_ID PAT_ENC_C_CSN_ID	AUTHOR_ID SERVICE_DATE DOC_TYPE_C	N	Metadata only - document text may not be available depending on installation config.

KEY JOIN PATTERNS - CLARITY TABLE RELATIONSHIPS

From Table	To Table	Join Column	Join Type	Notes
PAT_ENC	PATIENT	PAT_ID	INNER	One patient : many encounters. Use INNER JOIN.
PAT_ENC	CLARITY_DEP	DEPARTMENT_ID	INNER	Returns department name. Required for readable reports.
PAT_ENC	PAT_ENC_DX	PAT_ENC_CSN_ID	LEFT	LEFT JOIN to keep encounters with no diagnoses. Add PRIMARY_DX_YN = Y filter.
PAT_ENC_DX	CLARITY_EDG	DX_ID	INNER	Returns ICD-10 code and description for each diagnosis row.
PAT_ENC	ORDER_PROC	PAT_ENC_CSN_ID	LEFT	One encounter : many orders. LEFT JOIN keeps encounters without orders.
ORDER_PROC	ORDER_RESULTS	ORDER_PROC_ID	LEFT	One order : many result components. Filter COMPONENT_ID for specific tests.
ORDER_MED	MAR_ADMIN_INFO	ORDER_MED_ID	LEFT	One medication order : many administration events. Filter MAR_ACTION_C.
PAT_ENC	CLARITY_ADT	PAT_ENC_CSN_ID	INNER	Multiple ADT rows per encounter. Aggregate MIN/MAX effective time for LOS.
PAT_ENC	CLB_PROV_CHARGE	PAT_ENC_CSN_ID	LEFT	One encounter : many charge lines. SUM(AMOUNT) for total encounter charges.