HEALTHCARE DATA INTEGRATION AND ANALYSIS SYSTEM ERD

organizations

PK	id	uuid
	name	character varying(100)
	address	character varying(100)
	city	character varying(50)
	state	character varying(2)
	zip	character varying(10)
	lat	numeric
	lon	numeric
	phone	character varying(50)
	revenue	numeric
	utilization	integer

patients

PK	id	uuid
	birthdate	date
	deathdate	date
	ssn	character varying(11)
	drivers	character varying(50)
	passport	character varying(50)
	prefix	character varying(10)
	first	character varying(50)
	last	character varying(50)
	suffix	character varying(10)
	maiden	character varying(50)
	marital	character varying(20)
	race	character varying(50)
	ethnicity	character varying(50)
	gender	character varying(1)
	birthplace	character varying(100)
	address	character varying(100)
	city	character varying(50)
	state	character varying(50)
	county	character varying(50)
	zip	character varying(10)
	lat	numeric
	lon	numeric
	healthcare_expenses	numeric
	healthcare_coverage	numeric

payers

PK	id	uuid
	name	character varying(100)
	address	character varying(100)
	city	character varying(50)
	state_headquartered	character varying(2)
	zip	character varying(10)
	phone	character varying(20)
	amount_covered	numeric
	amount_uncovered	numeric
	revenue	numeric
	covered_encounters	integer
	uncovered_encounters	integer
	covered_medications	integer
	uncovered_medications	integer
	covered_procedures	integer
	uncovered_procedures	integer
	covered_immunizations	integer
	uncovered_immunizations	integer
	unique_customers	integer
	qols_avg	numeric
	member_months	integer

providers

PK	id	uuid
FK	organization	uuid
	name	character varying(100)
	gender	character varying(1)
	speciality	character varying(100)
	address	character varying(100)
	city	character varying(50)
	state	character varying(2)
	zip	character varying(10)
	lat	numeric
	lon	numeric
	utilization	integer

encounters

PK	id	uuid
	start	timestamp without time zone
	stop	timestamp without time zone
FK	patient	uuid
FK	organization	uuid
FK	provider	uuid
FK	payer	uuid
	encounterclass	character varying(50)
	code	character varying(50)
	description	text
	base_encounter_cost	numeric
	total_claim_cost	numeric
	payer_coverage	numeric
	reasoncode	character varying(50)
	reasondescription	text

medications

	start	timestamp without time zone
	stop	timestamp without time zone
FK	patient	uuid
FK	payer	uuid
FK	encounter	uuid
	code	character varying(50)
	description	text
	base_cost	numeric
	payer_coverage	numeric
	dispenses	integer
	totalcost	numeric
	reasoncode	character varying(50)
	reasondescription	text

conditions

FK	patient	uuid
FK	encounter	uuid
	code	character varying(50)
	description	text
	start	date
	stop	date

immunizations

	date	timestamp without time zone
FK	patient	uuid
FK	encounter	uuid
	code	character varying(50)
	description	text
	base_cost	numeric

observations

	date	timestamp without time zone
FK	patient	uuid
FK	encounter	uuid
	category	character varying(50)
	code	character varying(50)
	description	text
	value	character varying(200)
	units	character varying(50)
	type	character varying(50)

procedures

	start	timestamp without time zone
	stop	timestamp without time zone
FK	patient	uuid
FK	encounter	uuid
	code	character varying(50)
	description	text
	base_cost	numeric
	reasoncode	character varying(50)
	reasondescription	text