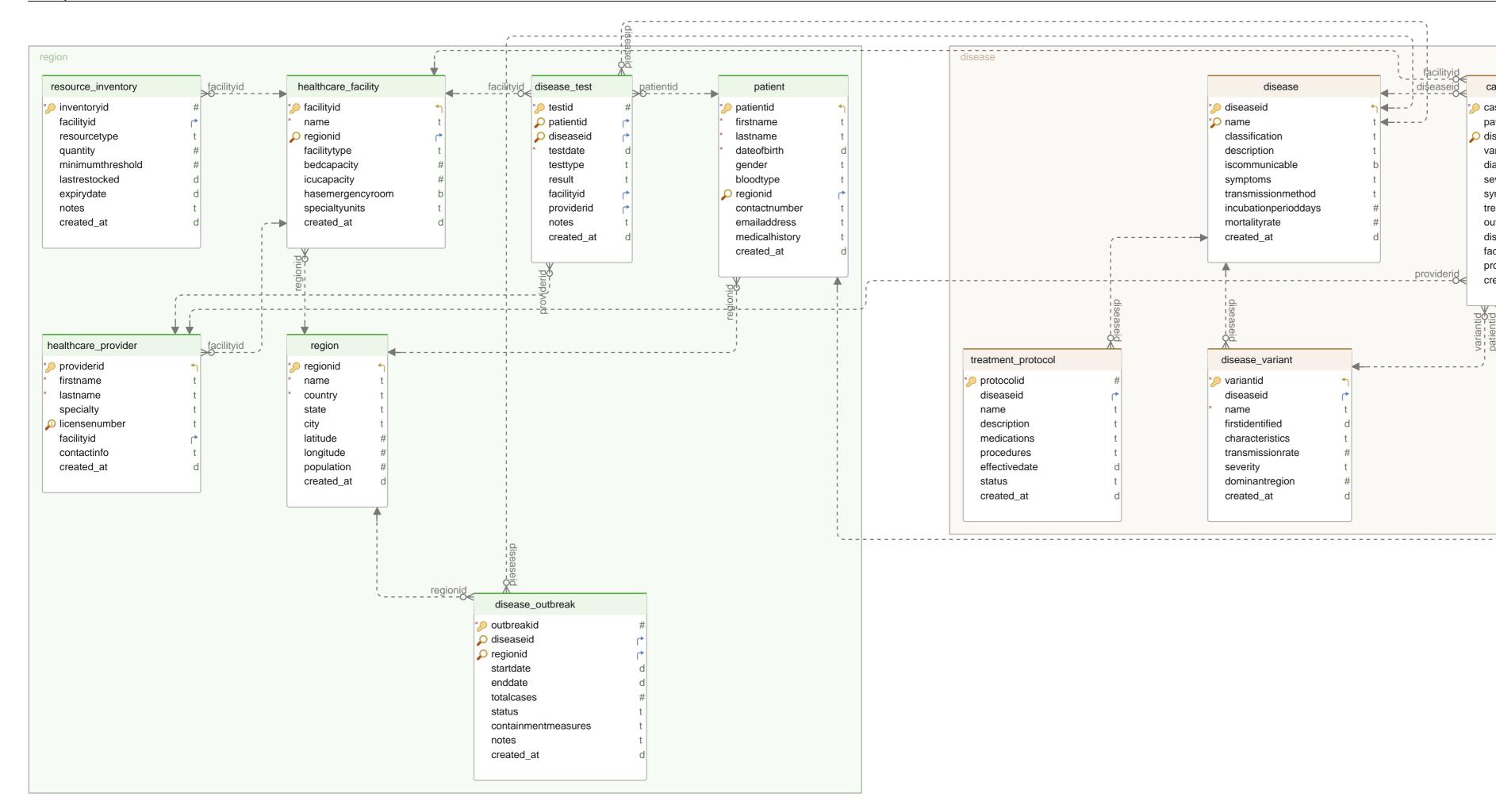
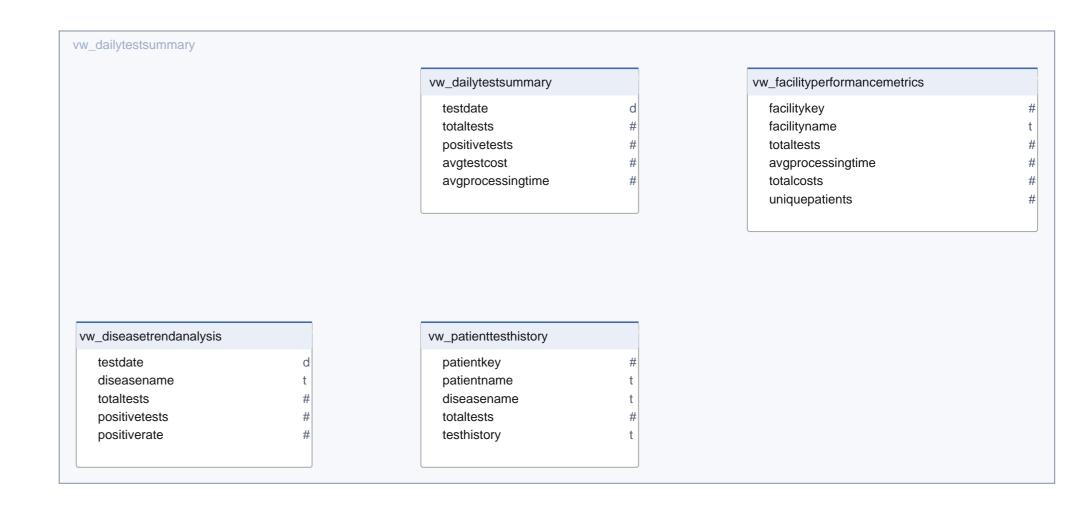
Main Layout 16-12-2024 by DbSchema.com - Wise Coders





case_record

caseid

patientid

variantid

severity

symptoms

treatment

outcome

facilityid providerid created_at

dischargedate

diagnosisdate

diseaseid

Main Layout

Table	case_record		
ldx	Name	Data Type	
* Pk	caseid	serial	
	patientid	integer	
ldx	diseaseid	integer	
	variantid	integer	
	diagnosisdate	date	
	severity	varchar(50)	
	symptoms	text	
	treatment	text	
	outcome	varchar(50)	
	dischargedate	date	
	facilityid	integer	
	providerid	integer	
	created_at	timestamp DEFAULT CURRENT_TIMESTAMP	
Indexes	3		
Type	Name	On	
Pk	case_record_pkey	caseid	
	idx_case_disease	diseaseid	
Foreign	Keys		
Туре	Name	On	
	case_record_providerid_fkey (providerid) ref healthcare_provider (providerid)		
	case_record_facilityid_fkey (facilityid) ref healthcare_facility (facilityid)		
	case_record_variantid_fkey (variantid) ref disease_variant (variantid)	
	case_record_diseaseid_fkey (diseaseid) ref disease (disease	seid)	
	case_record_patientid_fkey (patientid) ref patient (patientid)		

ldx	Name	Data Type
* Pk	diseaseid	serial
* ldx	name	varchar(100)
	classification	varchar(100)
	description	text
	iscommunicable	boolean
	symptoms	text
	transmissionmethod	text
	incubationperioddays	integer
	mortalityrate	numeric(5,2)
	created_at	timestamp DEFAULT CURRENT_TIMESTAMP
Indexe	S	
Туре	Name	On
Pk	disease_pkey	diseaseid
	idx_disease_name	name

Table disease_outbreak		
ldx	Name	Data Type
* Pk	outbreakid	serial

Table disease_outbreak			
ldx	diseaseid	integer	
ldx	regionid	integer	
	startdate	date	
	enddate	date	
	totalcases	integer	
	status	varchar(50)	
	containmentmeasures	text	
	notes	text	
	created_at	timestamp DEFAULT CURRENT_TIMESTAMP	
Indexes	3		
Type	Name	On	
Pk	disease_outbreak_pkey	outbreakid	
	idx_outbreak_disease	diseaseid	
	idx_outbreak_region	regionid	
Foreign Keys			
Type	Name	On	
	disease_outbreak_regionid_fkey (regionid) ref region (region	nid)	
	disease_outbreak_diseaseid_fkey (diseaseid) ref disease (diseaseid)		

ldx	Name	Data Type
* Pk	testid	serial
ldx	patientid	integer
ldx	diseaseid	integer
*	testdate	date
	testtype	varchar(100)
	result	varchar(20)
	facilityid	integer
	providerid	integer
	notes	text
	created_at	timestamp DEFAULT CURRENT_TIMESTAMP
ndexes	3	
Туре	Name	On
Pk	disease_test_pkey	testid
	idx_test_patient	patientid
	idx_test_disease	diseaseid
Foreign	Keys	
Туре	Name	On
	disease_test_providerid_fkey (providerid) ref h	ealthcare_provider (providerid)
	disease_test_facilityid_fkey (facilityid) ref health	ncare_facility (facilityid)
	disease_test_diseaseid_fkey (diseaseid) ref disease (diseaseid)	

Table	Table disease_variant		
ldx	Name	Data Type	
* Pk	variantid	serial	
	diseaseid	integer	
*	name	varchar(100)	

Table disease_variant		
	firstidentified	date
	characteristics	text
	transmissionrate	numeric(4,2)
	severity	varchar(50)
	dominantregion	integer
	created_at	timestamp DEFAULT CURRENT_TIMESTAMP
Indexes		
Туре	Name	On
Pk	disease_variant_pkey	variantid
Foreign Keys		
Туре	Name	On
	disease_variant_diseaseid_fkey (diseaseid) ref disease (disease	easeid)

Table	Table healthcare_facility			
ldx	Name	Data Type		
* Pk	facilityid	serial		
*	name	varchar(200)		
ldx	regionid	integer		
	facilitytype	varchar(50)		
	bedcapacity	integer		
	icucapacity	integer		
	hasemergencyroom	boolean		
	specialtyunits	text		
	created_at	timestamp DEFAULT CURRENT_TIMESTAMP		
Indexes				
Type	Name	On		
Pk	healthcare_facility_pkey	facilityid		
	idx_facility_region	regionid		
Foreign Keys				
Type	Name	On		
	healthcare_facility_regionid_fkey (regionid) ref region (regionid)			

Table	Table healthcare_provider		
ldx	Name	Data Type	
* Pk	providerid	serial	
*	firstname	varchar(50)	
*	lastname	varchar(50)	
	specialty	varchar(100)	
Unq	licensenumber	varchar(50)	
	facilityid	integer	
	contactinfo	text	
	created_at	timestamp DEFAULT CURRENT_TIMESTAMP	
Indexes	8		
Туре	Name	On	
Pk	healthcare_provider_pkey	providerid	
Unq	healthcare_provider_licensenumber_key	licensenumber	
Foreign	Keys		
Туре	Name	On	

Table healthcare_provider

 $healthcare_provider_facilityid_fkey \ (\ facilityid\)\ ref\ healthcare_facility \ (\ facilityid\)$

Table	Table patient		
ldx	Name	Data Type	
* Pk	patientid	serial	
*	firstname	varchar(50)	
*	lastname	varchar(50)	
*	dateofbirth	date	
	gender	varchar(20)	
	bloodtype	varchar(5)	
ldx	regionid	integer	
	contactnumber	varchar(20)	
	emailaddress	varchar(100)	
	medicalhistory	text	
	created_at	timestamp DEFAULT CURRENT_TIMESTAMP	
Indexes			
Туре	Name	On	
Pk	patient_pkey	patientid	
	idx_patient_region	regionid	
Foreign Keys			
Туре	Name	On	
	patient_regionid_fkey (regionid) ref region (regionid)		

Table	Table region		
ldx	Name	Data Type	
* Pk	regionid	serial	
*	name	varchar(100)	
*	country	varchar(100)	
	state	varchar(100)	
	city	varchar(100)	
	latitude	numeric(10,6)	
	longitude	numeric(10,6)	
	population	integer	
	created_at	timestamp DEFAULT CURRENT_TIMESTAMP	
Indexes			
Туре	Name	On	
Pk	region_pkey	regionid	

Table	Table resource_inventory		
ldx	Name	Data Type	
* Pk	inventoryid	serial	
	facilityid	integer	
	resourcetype	varchar(100)	
	quantity	integer	
	minimumthreshold	integer	
	lastrestocked	date	
	expirydate	date	
	notes	text	

Table resource_inventory			
	created_at	timestamp DEFAULT CURRENT_TIMESTAMP	
Indexes			
Туре	Name	On	
Pk	resource_inventory_pkey	inventoryid	
Foreign Keys			
Type	Name	On	
	resource_inventory_facilityid_fkey (facilityid) ref healthcare_facility (facilityid)		

Table treatment_protocol			
ldx	Name	Data Type	
* Pk	protocolid	serial	
	diseaseid	integer	
	name	varchar(200)	
	description	text	
	medications	text	
	procedures	text	
	effectivedate	date	
	status	varchar(50)	
	created_at	timestamp DEFAULT CURRENT_TIMESTAMP	
Indexe	3		
Туре	Name	On	
Pk	treatment_protocol_pkey	protocolid	
Foreign Keys			
Туре	Name	On	
	treatment_protocol_diseaseid_fkey (diseaseid) ref disease (diseaseid)		

View vw_dailytestsummary

View vw_diseasetrendanalysis

```
CREATE OR REPLACE VIEW vw_diseasetrendanalysis AS SELECT ${view} AS testdate,
 ds.diseasename,
 count(*) AS totaltests,
 count(
   CASE
      WHEN ((ft.testresult)::text = 'Positive'::text) THEN 1
      ELSE NULL::integer
   END) AS positivetests,
 round((((count(
   CASE
      WHEN ((ft.testresult)::text = 'Positive'::text) THEN 1
      ELSE NULL::integer
   END))::numeric * 100.0) / (count(*))::numeric), 2) AS positiverate
FROM ((disease_dw.factpatienttests ft
  JOIN disease_dw.dimdate dd ON ((ft.datekey = dd.datekey)))
  JOIN disease_dw.dimdisease ds ON ((ft.diseasekey = ds.diseasekey)))
GROUP BY ${view}, ds.diseasename
ORDER BY ${view}, ds.diseasename
```

View vw_facilityperformancemetrics

CREATE OR REPLACE VIEW vw_facilityperformancemetrics AS SELECT \${view}, df.facilityname, count(*) AS totaltests, (avg(ft.processingtimeminutes))::numeric(10,2) AS avgprocessingtime, (sum(ft.testcost))::numeric(10,2) AS totalcosts, count(DISTINCT ft.patientkey) AS uniquepatients FROM (disease_dw.factpatienttests ft JOIN disease_dw.factpatienttests ft JOIN disease_dw.dimfacility df ON ((ft.facilitykey = \${view}))) GROUP BY \${view}, df.facilityname

View vw_patienttesthistory

CREATE OR REPLACE VIEW vw_patienttesthistory AS SELECT \${view}, (((dp.firstname)::text || ' '::text) || (dp.lastname)::text) AS patientname, dd.diseasename, count(*) AS totaltests, string_agg(((((ft.testresult)::text || ' ('::text) || dt.fulldate) || ')'::text), '; '::text) AS testhistory FROM (((disease_dw.factpatienttests ft JOIN disease_dw.dimpatient dp ON ((ft.patientkey = \${view}))) JOIN disease_dw.dimdisease dd ON ((ft.diseasekey = dd.diseasekey))) JOIN disease_dw.dimdate dt ON ((ft.datekey = dt.datekey))) GROUP BY \${view}, dp.firstname, dp.lastname, dd.diseasename