

Dim_Allergy		
allergy_id ⚡	int	
allergy_type	nvarchar(100)	
allergen_name	nvarchar(100)	
severity	nvarchar(50)	

Dim_Employee		
employee_sk ⚡	int	
employee_id	int	
full_name	nvarchar(100)	
gender	nvarchar(10)	
department_id	int	
employee_type	nvarchar(50)	
seniority_level	nvarchar(50)	
hire_date	date	
is_active	bit	
EffectiveFrom	datetime	
EffectiveTo	datetime	
IsCurrent	bit	

Dim_Bill		
bill_sk ⚡	int	
bill_id	int	
bill_type	varchar(50)	
number_of_services	int	
bill_total_amount	decimal(18,2)	

Dim_Date		
date_sk ⚡	int	
date_id	int	
full_date	date	
day	int	
month	int	
year	int	
day_of_week	nvarchar(20)	
is_weekend	bit	
week_number	int	
quarter	int	
full_datetime	datetime	

Dim_ExpenseCategory		
expense_category_sk ⚡	int	
category_id	int	
category_name	nvarchar(100)	

Dim_Department		
department_sk ⚡	int	
department_id	int	
department_name	nvarchar(100)	
location	nvarchar(100)	

Dim_Insurance		
insurance_sk ⚡	int	
insurance_company_id	int	
company_name	nvarchar(100)	
EffectiveFrom	datetime	
EffectiveTo	datetime	
IsCurrent	bit	
policy_number	nvarchar(50)	
contact_info	nvarchar(100)	
coverage_type	nvarchar(50)	

Dim_PaymentMethod		
payment_method_sk ⚡	int	
payment_method_id	int	
method_name	nvarchar(50)	
source_method_id	int	

Dim_Visit		
visit_sk ⚡	int	
visit_id	int	
patient_id	int	
department_id	int	
visit_date	date	
visit_type	nvarchar(50)	
status	nvarchar(20)	
discharge_date	date	
EffectiveFrom	datetime	
EffectiveTo	datetime	
IsCurrent	bit	

Dim_Doctor		
doctor_sk ⚡	int	
doctor_id	int	
full_name	nvarchar(100)	
gender	nvarchar(10)	
specialization	nvarchar(100)	
years_of_experience	int	
department_id	int	
is_active	bit	
EffectiveFrom	datetime	
EffectiveTo	datetime	
IsCurrent	bit	

Dim_Patient		
patient_sk ⚡	int	
patient_id	int	
first_name	nvarchar(100)	
last_name	nvarchar(100)	
gender	nvarchar(10)	
date_of_birth	date	
has_chronic_conditions	bit	
Is_Insured	bit	
EffectiveFrom	datetime	
EffectiveTo	datetime	
IsCurrent	bit	

Dim_VisitType		
visit_type_sk ⚡	int	
visit_type_id	int	
visit_type_name	nvarchar(50)	

Dim_LabTest		
test_id ⚡	int	
test_name	nvarchar(100)	
description	nvarchar(100)	
department_id	int	

Dim_PrescriptionDrug		
prescription_drug_id ⚡	int	
medicine_name	nvarchar(100)	
dosage	nvarchar(100)	

Dim_Radiology		
radiology_id ⚡	int	
radiology_type	nvarchar(100)	
department_id	int	

Dim_Room		
room_id ⚡	int	
room_number	nvarchar(20)	
floor	int	
capacity	int	
room_type	nvarchar(50)	
department_id	int	

Fact_Employee_Workload		
workload_id ⚡	int	
date_sk ⚡	int	
employee_sk ⚡	int	
total_shifts	int	
total_shift_hours	decimal(5,2)	
leave_days	int	
absent_days	int	
created_at	datetime	

Fact_Expense		
expense_sk ⚡	int	
expense_id	int	
department_sk ⚡	int	
expense_category_sk ⚡	int	
expense_date_sk ⚡	int	
amount	decimal(10,2)	
created_by_employee_sk ⚡	int	

Fact_Billing		
billing_sk ⚡	int	
patient_sk ⚡	int	
visit_sk ⚡	int	
insurance_sk ⚡	int	
payment_method_sk ⚡	int	
department_sk ⚡	int	
bill_date_sk ⚡	int	
payment_date_sk ⚡	int	
total_billed_amount	decimal(18,2)	
total_paid_amount	decimal(18,2)	
number_of_services	int	
bill_sk ⚡	int	

Fact_Visits		
visit_id ⚡	int	
patient_sk ⚡	int	
department_sk ⚡	int	
doctor_sk ⚡	int	
visit_date_sk ⚡	int	
discharge_date_sk ⚡	int	
visit_type_sk ⚡	int	
visit_duration_days	int	
visit_status	nvarchar(50)	
is_emergency	bit	
is_followup	bit	
visit_outcome	nvarchar(50)	
time_to_discharge_minutes	int	
no_show_flag	bit	
followup_required_flag	bit	
number_of_visits_for_patient	int	
created_at	datetime	

Fact_Clinical		
clinical_id ⚡	int	
visit_id ⚡	int	
patient_sk ⚡	int	
department_sk ⚡	int	
doctor_sk ⚡	int	
clinical_date_sk ⚡	int	
number_of_diagnoses	int	
chronic_condition_flag	bit	
allergy_count	int	
has_high_severity_allergy	bit	
vital_blood_pressure_systolic	int	
vital_blood_pressure_diastolic	int	
vital_heart_rate	int	
vital_temperature	decimal(4,1)	
vital_blood_oxygen_level	int	
vital_respiratory_rate	int	
vital_status_flag	bit	
number_of_lab_tests	int	
number_of_abnormal_results	int	
abnormal_result_flag	bit	
has_radiology	bit	
radiology_types_count	int	
follow_up_required_flag	bit	
general_health_status	nvarchar(50)	
severity_score	int	
prescription_drug_id ⚡	int	
allergy_sk ⚡	int	
radiology_sk ⚡	int	
lab_test_sk ⚡	int	

Fact_Resource		
resource_occupancy_id ⚡	int	
date_id ⚡	int	
room_id ⚡	int	
bed_id ⚡	int	
room_occupancy_rate	decimal(5,2)	
avg_room_occupancy_duration	decimal(5,2)	
bed_occupancy_rate	decimal(5,2)	
bed_turnover_rate	decimal(5,2)	
created_at	datetime	

Dim_Bed		
bed_id ⚡	int	
room_id ⚡	int	
bed_number	nvarchar(10)	

Dim_Allergy	
allergy_id <span>🔗</span>	int
allergy_type	nvarchar(100)
allergen_name	nvarchar(100)
severity	nvarchar(50)

Dim_Employee	
employee_sk <span>🔗</span>	int
employee_id	int
full_name	nvarchar(100)
gender	nvarchar(10)
department_id	int
employee_type	nvarchar(50)
seniority_level	nvarchar(50)
hire_date	date
is_active	bit
EffectiveFrom	datetime
EffectiveTo	datetime
IsCurrent	bit

Dim_Bill	
bill_sk <span>🔗</span>	int
bill_id	int
bill_type	varchar(50)
number_of_services	int
bill_total_amount	decimal(18,2)

Dim_Date	
date_sk <span>🔗</span>	int
date_id <span>🔗</span>	int
full_date	date
day	int
month	int
year	int
day_of_week	nvarchar(20)
is_weekend	bit
week_number	int
quarter	int
full_datetime	datetime

Dim_ExpenseCategory	
expense_category_sk <span>🔗</span>	int
category_id	int
category_name	nvarchar(100)

Dim_Department	
department_sk <span>🔗</span>	int
department_id	int
department_name	nvarchar(100)
location	nvarchar(100)

Dim_Insurance	
insurance_sk <span>🔗</span>	int
insurance_company_id	int
company_name	nvarchar(100)
EffectiveFrom	datetime
EffectiveTo	datetime
IsCurrent	bit
policy_number	nvarchar(50)
contact_info	nvarchar(100)
coverage_type	nvarchar(50)

Dim_PaymentMethod	
payment_method_sk <span>🔗</span>	int
payment_method_id	int
method_name	nvarchar(50)
source_method_id	int

Dim_Visit	
visit_sk <span>🔗</span>	int
visit_id	int
patient_id	int
department_id	int
visit_date	date
visit_type	nvarchar(50)
status	nvarchar(20)
discharge_date	date
EffectiveFrom	datetime
EffectiveTo	datetime
IsCurrent	bit

Dim_Doctor	
doctor_sk <span>🔗</span>	int
doctor_id	int
full_name	nvarchar(100)
gender	nvarchar(10)
specialization	nvarchar(100)
years_of_experience	int
department_id	int
is_active	bit
EffectiveFrom	datetime
EffectiveTo	datetime
IsCurrent	bit

Dim_Patient	
patient_sk <span>🔗</span>	int
patient_id	int
first_name	nvarchar(100)
last_name	nvarchar(100)
gender	nvarchar(10)
date_of_birth	date
has_chronic_conditions	bit
is_insured	bit
EffectiveFrom	datetime
EffectiveTo	datetime
IsCurrent	bit

Dim_VisitType	
visit_type_sk <span>🔗</span>	int
visit_type_id	int
visit_type_name	nvarchar(50)

Dim_LabTest	
test_id <span>🔗</span>	int
test_name	nvarchar(100)
description	nvarchar(100)
department_id	int

Dim_PrescriptionDrug	
prescription_drug_id <span>🔗</span>	int
medicine_name	nvarchar(100)
dosage	nvarchar(100)

Dim_Radiology	
radiology_id <span>🔗</span>	int
radiology_type	nvarchar(100)
department_id	int

Dim_Room	
room_id <span>🔗</span>	int
room_number	nvarchar(20)
floor	int
capacity	int
room_type	nvarchar(50)
department_id	int

Fact_Employee_Workload	
workload_id <span>🔗</span>	int
date_sk <span>🔗</span>	int
employee_sk <span>🔗</span>	int
total_shifts	int
total_shift_hours	decimal(5,2)
leave_days	int
absent_days	int
created_at	datetime

Fact_Expense	
expense_sk <span>🔗</span>	int
expense_id	int
department_sk <span>🔗</span>	int
expense_category_sk <span>🔗</span>	int
expense_date_sk <span>🔗</span>	int
amount	decimal(10,2)
created_by_employee_sk <span>🔗</span>	int

Fact_Billing	
billing_sk <span>🔗</span>	int
patient_sk <span>🔗</span>	int
visit_sk <span>🔗</span>	int
insurance_sk <span>🔗</span>	int
payment_method_sk <span>🔗</span>	int
department_sk <span>🔗</span>	int
bill_date_sk <span>🔗</span>	int
payment_date_sk <span>🔗</span>	int
total_billed_amount	decimal(18,2)
total_paid_amount	decimal(18,2)
number_of_services	int
bill_sk <span>🔗</span>	int

Fact_Visits	
visit_id <span>🔗</span>	int
patient_sk <span>🔗</span>	int
department_sk <span>🔗</span>	int
doctor_sk <span>🔗</span>	int
visit_date_sk <span>🔗</span>	int
discharge_date_sk <span>🔗</span>	int
visit_type_sk <span>🔗</span>	int
visit_duration_days	int
visit_status	nvarchar(50)
is_emergency	bit
is_followup	bit
visit_outcome	nvarchar(50)
time_to_discharge_minutes	int
no_show_flag	bit
followup_required_flag	bit
number_of_visits_for_patient	int
created_at	datetime

Fact_Clinical	
clinical_id <span>🔗</span>	int
visit_id <span>🔗</span>	int
patient_sk <span>🔗</span>	int
department_sk <span>🔗</span>	int
doctor_sk <span>🔗</span>	int
clinical_date_sk <span>🔗</span>	int
number_of_diagnoses	int
chronic_condition_flag	bit
allergy_count	int
has_high_severity_allergy	bit
vital_blood_pressure_systolic	int
vital_blood_pressure_diastolic	int
vital_heart_rate	int
vital_temperature	decimal(4,1)
vital_blood_oxygen_level	int
vital_respiratory_rate	int
vital_status_flag	bit
number_of_lab_tests	int
number_of_abnormal_results	int
abnormal_result_flag	bit
has_radiology	bit
radiology_types_count	int
follow_up_required_flag	bit
general_health_status	nvarchar(50)
severity_score	int
prescription_drug_id <span>🔗</span>	int
allergy_sk <span>🔗</span>	int
radiology_sk <span>🔗</span>	int
lab_test_sk <span>🔗</span>	int

Fact_Resource	
resource_occupancy_id <span>🔗</span>	int
date_id <span>🔗</span>	int
room_id <span>🔗</span>	int
bed_id <span>🔗</span>	int
room_occupancy_rate	decimal(5,2)
avg_room_occupancy_duration	decimal(5,2)
bed_occupancy_rate	decimal(5,2)
bed_turnover_rate	decimal(5,2)
created_at	datetime

Dim_Bed	
bed_id <span>🔗</span>	int
room_id <span>🔗</span>	int
bed_number	nvarchar(10)