**MediHealth Sample Datasets**

**1. Patient Data (On-premises SQL Server: Patient table)**

CREATE TABLE Patient (

PatientID INT PRIMARY KEY,

FirstName NVARCHAR(50),

LastName NVARCHAR(50),

DOB DATE,

Gender NVARCHAR(10),

DepartmentID INT,

LastModifiedDate DATETIME

);

INSERT INTO Patient VALUES

(1, 'John', 'Doe', '1980-04-12', 'Male', 101, '2025-09-01 08:30:00'),

(2, 'Mary', 'Smith', '1975-11-22', 'Female', 102, '2025-09-02 09:10:00'),

(3, 'David', 'Lee', '1990-06-15', 'Male', 101, '2025-09-03 10:15:00'),

(4, 'Sophia', 'Brown', '1988-02-28', 'Female', 103, '2025-09-03 14:20:00');

**2. Department Data (Azure SQL DB: Department table)**

CREATE TABLE Department (

DepartmentID INT PRIMARY KEY,

DepartmentName NVARCHAR(100)

);

INSERT INTO Department VALUES

(101, 'Cardiology'),

(102, 'Oncology'),

(103, 'Radiology');

**3. Pharmacy Transactions (Azure SQL DB: Pharmacy table)**

CREATE TABLE Pharmacy (

TransactionID INT PRIMARY KEY,

PatientID INT,

DrugName NVARCHAR(100),

Quantity INT,

Cost DECIMAL(10,2),

TransactionDate DATETIME,

LastModifiedDate DATETIME

);

INSERT INTO Pharmacy VALUES

(1001, 1, 'Aspirin', 30, 15.00, '2025-09-01 10:00:00', '2025-09-01 10:05:00'),

(1002, 2, 'Chemotherapy Drug A', 5, 2500.00, '2025-09-02 11:00:00', '2025-09-02 11:05:00'),

(1003, 3, 'Blood Pressure Med', 60, 90.00, '2025-09-03 09:30:00', '2025-09-03 09:35:00');

**4. Lab Results (Azure Blob CSV: lab\_results.csv)**

LabID,PatientID,TestName,ResultValue,Unit,ResultDate

2001,1,Cholesterol,190,mg/dL,2025-09-01

2002,2,WhiteBloodCellCount,7500,cells/uL,2025-09-02

2003,3,BloodSugar,110,mg/dL,2025-09-03

2004,4,Thyroid,3.5,uIU/mL,2025-09-03

**5. Radiology Reports (Azure Blob JSON: radiology\_reports.json)**

[

{

"ReportID": 3001,

"PatientID": 1,

"ScanType": "X-Ray",

"Findings": "No abnormalities detected",

"ReportDate": "2025-09-01"

},

{

"ReportID": 3002,

"PatientID": 2,

"ScanType": "MRI",

"Findings": "Lung mass detected",

"ReportDate": "2025-09-02"

},

{

"ReportID": 3003,

"PatientID": 3,

"ScanType": "CT",

"Findings": "Minor blockage in artery",

"ReportDate": "2025-09-03"

}

]

**6. Target Azure SQL Database – Curated Tables**

Example curated table: PatientSummary

CREATE TABLE PatientSummary (

PatientID INT,

FullName NVARCHAR(100),

Gender NVARCHAR(10),

DepartmentName NVARCHAR(100),

LatestLabTest NVARCHAR(100),

LatestLabResult NVARCHAR(50),

LatestRadiologyFinding NVARCHAR(255),

TotalPharmacyCost DECIMAL(10,2),

RiskCategory NVARCHAR(50),

LastModifiedDate DATETIME

);