Draft submission

ER provided: +1 mark  
Schema provided: +1 mark  
Database SQL provided: +1 mark  
Data Populated for 1 or 2 tables: +1 mark

**ER Diagram:**

**Schema:**

* **Country (Country\_ID\*, Country\_Name)**
* **Vaccines (Vaccine\_ID\*, Vaccine\_Name)**
* **Data\_Source (Source\_ID\*, Source\_Name, Source\_Website)**
* **Vax\_By\_Country (Country\_ID\*, Vaccine\_ID\*, Source\_ID\*, last\_observation\_date, total\_vaccinations, people\_vaccinated, people\_fully\_vaccinated, daily\_vaccinations, daily\_people\_vaccinated, total\_boosters)**
* **Vax\_Metrics\_By\_Country (Country\_ID\*, Date\*, Vaccine\_ID\*, people\_vaccinated\_per\_hundred, people\_fully\_vaccinated\_per\_hundred, total\_distributed, people\_with\_booster\_per\_hundred)**
* **Vax\_Metrics\_By\_Type (Vaccine\_ID\*, Age\_Group, Total\_Vaccinations, people\_vaccinated, people\_fully\_vaccinated, total\_boosters)**
* **Vax\_Metrics\_By\_Age (Country\_ID\*, Vaccine\_ID\*, Age\_Group, Date\*, people\_vaccinated, people\_fully\_vaccinated, total\_boosters)**
* **Vax\_Metrics\_By\_USA\_States (State\_ID\*, State\_Name, Date\*, total\_vaccinations, people\_vaccinated, people\_fully\_vaccinated, people\_with\_booster\_per\_hundred, daily\_vaccinations)**

**Database SQL :**

**-- Create Country table**

**CREATE TABLE Country (**

**Country\_ID INT PRIMARY KEY,**

**Country\_Name VARCHAR(255)**

**);**

**-- Create Vaccines table**

**CREATE TABLE Vaccines (**

**Vaccine\_ID INT PRIMARY KEY,**

**Vaccine\_Name VARCHAR(255)**

**);**

**-- Create Data\_Source table**

**CREATE TABLE Data\_Source (**

**Source\_ID INT PRIMARY KEY,**

**Source\_Name VARCHAR(255),**

**Source\_Website VARCHAR(255)**

**);**

**-- Create Vax\_By\_Country table**

**CREATE TABLE Vax\_By\_Country (**

**Country\_ID INT,**

**Vaccine\_ID INT,**

**Source\_ID INT,**

**last\_observation\_date DATE,**

**total\_vaccinations INT,**

**people\_vaccinated INT,**

**people\_fully\_vaccinated INT,**

**daily\_vaccinations INT,**

**daily\_people\_vaccinated INT,**

**total\_boosters INT,**

**PRIMARY KEY (Country\_ID, Vaccine\_ID, Source\_ID),**

**FOREIGN KEY (Country\_ID) REFERENCES Country (Country\_ID),**

**FOREIGN KEY (Vaccine\_ID) REFERENCES Vaccines (Vaccine\_ID),**

**FOREIGN KEY (Source\_ID) REFERENCES Data\_Source (Source\_ID)**

**);**

**-- Create Vax\_Metrics\_By\_Country table**

**CREATE TABLE Vax\_Metrics\_By\_Country (**

**Country\_ID INT,**

**Date DATE,**

**Vaccine\_ID INT,**

**people\_vaccinated\_per\_hundred DECIMAL(5, 2),**

**people\_fully\_vaccinated\_per\_hundred DECIMAL(5, 2),**

**total\_distributed INT,**

**people\_with\_booster\_per\_hundred DECIMAL(5, 2),**

**PRIMARY KEY (Country\_ID, Date, Vaccine\_ID),**

**FOREIGN KEY (Country\_ID) REFERENCES Country (Country\_ID),**

**FOREIGN KEY (Vaccine\_ID) REFERENCES Vaccines (Vaccine\_ID)**

**);**

**-- Create Vax\_Metrics\_By\_Type table**

**CREATE TABLE Vax\_Metrics\_By\_Type (**

**Vaccine\_ID INT,**

**Age\_Group VARCHAR(255),**

**Total\_Vaccinations INT,**

**people\_vaccinated INT,**

**people\_fully\_vaccinated INT,**

**total\_boosters INT,**

**PRIMARY KEY (Vaccine\_ID, Age\_Group),**

**FOREIGN KEY (Vaccine\_ID) REFERENCES Vaccines (Vaccine\_ID)**

**);**

**-- Create Vax\_Metrics\_By\_Age table**

**CREATE TABLE Vax\_Metrics\_By\_Age (**

**Country\_ID INT,**

**Vaccine\_ID INT,**

**Age\_Group VARCHAR(255),**

**Date DATE,**

**people\_vaccinated INT,**

**people\_fully\_vaccinated INT,**

**total\_boosters INT,**

**PRIMARY KEY (Country\_ID, Vaccine\_ID, Age\_Group, Date),**

**FOREIGN KEY (Country\_ID) REFERENCES Country (Country\_ID),**

**FOREIGN KEY (Vaccine\_ID) REFERENCES Vaccines (Vaccine\_ID)**

**);**

**-- Create Vax\_Metrics\_By\_USA\_States table**

**CREATE TABLE Vax\_Metrics\_By\_USA\_States (**

**State\_ID INT PRIMARY KEY,**

**State\_Name VARCHAR(255),**

**Date DATE,**

**total\_vaccinations INT,**

**people\_vaccinated INT,**

**people\_fully\_vaccinated INT,**

**people\_with\_booster\_per\_hundred DECIMAL(5, 2),**

**daily\_vaccinations INT**

**);**