

```
CREATE TABLE Disease_Info (  
    disease_id INT PRIMARY KEY,  
    disease_name VARCHAR(100),  
    transmission TEXT,  
    symptoms TEXT,  
    incubation_period_days VARCHAR(20),  
    origin VARCHAR(100)  
);
```

```
INSERT INTO Disease_Info (disease_id, disease_name, transmission, symptoms,  
incubation_period_days, origin) VALUES  
(1, 'HIV/AIDS', 'Bloodborne', 'Fever, fatigue, weight loss, night sweats, swollen lymph  
nodes, chronic diarrhea, opportunistic infections', '14-28', 'Congo'),  
(2, 'SARS-CoV', 'Respiratory', 'Fever, dry cough, shortness of breath, headache, muscle  
pain, chills, sometimes diarrhea', '2-10', 'China'),  
(3, 'Swine Flu', 'Respiratory', 'Fever, cough, sore throat, runny nose, body aches, fatigue,  
chills, sometimes vomiting or diarrhea', '1-4', 'Mexico'),  
(4, 'COVID-19', 'Respiratory', 'Fever, cough, shortness of breath, fatigue, loss of taste or  
smell, headache, sore throat, muscle aches', '2-14', 'China'),  
(5, 'Ebola', 'Contact', 'Fever, severe headache, muscle pain, vomiting, diarrhea,  
abdominal pain, unexplained bleeding or bruising', '2-21', 'Congo'),  
(6, 'Dengue Fever', 'Vector-borne', 'High fever, severe headache, retro-orbital pain, joint  
and muscle pain ("breakbone fever")', '4-10', 'Asia');
```

```
CREATE TABLE Disease_Outbreaks (  
    outbreak_id SERIAL PRIMARY KEY,  
    disease_id INT,  
    region VARCHAR(100),  
    country VARCHAR(100),  
    total_cases BIGINT,  
    est_deaths BIGINT,  
    FOREIGN KEY (disease_id) REFERENCES Disease_Info(disease_id)  
);
```

```
-- HIV/AIDS
```

```
INSERT INTO Disease_Outbreaks (disease_id, region, country, total_cases,
est_deaths) VALUES
```

```
(1, 'Africa', 'South Africa', 7500000, 71000),
(1, 'Africa', 'Nigeria', 3600000, 80000),
(1, 'Africa', 'Mozambique', 2200000, 55000),
(1, 'Africa', 'Kenya', 1600000, 37000),
(1, 'Africa', 'Uganda', 1300000, 23000),
(1, 'Africa', 'Tanzania', 1400000, 40000),
(1, 'Africa', 'Zimbabwe', 1200000, 37000),
(1, 'Africa', 'Eswatini', 190000, 4100),
(1, 'Africa', 'Lesotho', 300000, 4800),
(1, 'Africa', 'Botswana', 360000, 3200),
(1, 'Africa', 'Namibia', 230000, 1600),
(1, 'North America', 'United States', 1200000, 15000),
(1, 'North America', 'Canada', 87000, 1000),
(1, 'Latin America', 'Brazil', 1200000, 9000),
(1, 'Latin America', 'Mexico', 310000, 4000),
(1, 'Latin America', 'Haiti', 200000, 7000),
(1, 'Asia', 'India', 2100000, 90000),
(1, 'Asia', 'China', 1300000, 30000),
(1, 'Asia', 'Thailand', 480000, 4000),
(1, 'Asia', 'Indonesia', 640000, 8000),
(1, 'Europe', 'Russia', 1300000, 30000),
(1, 'Europe', 'Ukraine', 260000, 7000),
(1, 'Europe', 'United Kingdom', 100000, 300),
(1, 'Europe', 'France', 170000, 600);
```

-- SARS-CoV

```
INSERT INTO Disease_Outbreaks (disease_id, region, country, total_cases,
est_deaths) VALUES
```

```
(2, 'Asia', 'China', 5327, 349),
(2, 'Asia', 'Hong Kong', 1755, 299),
(2, 'Asia', 'Taiwan', 346, 37),
(2, 'Asia', 'Singapore', 238, 33),
(2, 'Asia', 'Vietnam', 63, 5),
(2, 'Asia', 'Thailand', 135, 2),
(2, 'Asia', 'Malaysia', 205, 2),
(2, 'Asia', 'South Korea', 1, 0),
(2, 'Asia', 'Japan', 5, 0),
(2, 'Asia', 'Philippines', 14, 2),
(2, 'Asia', 'Indonesia', 7, 0),
```

```
(2, 'Asia', 'Macau', 9, 0);
```

```
-- Swine Flu
```

```
INSERT INTO Disease_Outbreaks (disease_id, region, country, total_cases,  
est_deaths) VALUES
```

```
(3, 'North America', 'United States', 65000000, 12000),  
(3, 'Latin America', 'Mexico', 60000, 1000),  
(3, 'North America', 'Canada', 4000, 400),  
(3, 'Europe', 'United Kingdom', 100000, 400),  
(3, 'Pacific', 'Australia', 500000, 300),  
(3, 'Asia', 'China', 1500000, 600),  
(3, 'Asia', 'India', 1000000, 2500),  
(3, 'Latin America', 'Brazil', 150000, 500),  
(3, 'Europe', 'Germany', 100000, 250),  
(3, 'Asia', 'Japan', 250000, 100),  
(3, 'Asia', 'South Korea', 10000, 200),  
(3, 'Africa', 'South Africa', 50000, 250),  
(3, 'Africa', 'Egypt', 100000, 150),  
(3, 'Asia', 'Turkey', 100000, 250),  
(3, 'Mediterranean', 'Saudi Arabia', 100000, 200),  
(3, 'Asia', 'Indonesia', 100000, 150),  
(3, 'Europe', 'France', 100000, 250),  
(3, 'Europe', 'Spain', 200000, 400),  
(3, 'Europe', 'Italy', 50000, 150),  
(3, 'Latin America', 'Argentina', 250000, 1000),  
(3, 'Latin America', 'Chile', 150000, 500),  
(3, 'Asia', 'Thailand', 100000, 150);
```

```
-- COVID-19
```

```
INSERT INTO Disease_Outbreaks (disease_id, region, country, total_cases,  
est_deaths) VALUES
```

```
(4, 'North America', 'United States', 100000000, 1000000),  
(4, 'North America', 'Canada', 4000000, 40000),  
(4, 'Latin America', 'Mexico', 15000000, 330000),  
(4, 'Latin America', 'Brazil', 30000000, 665000),  
(4, 'Latin America', 'Argentina', 10000000, 130000),  
(4, 'Latin America', 'Chile', 5000000, 60000),  
(4, 'Africa', 'South Africa', 5000000, 100000),  
(4, 'Africa', 'Egypt', 1000000, 25000),  
(4, 'Europe', 'United Kingdom', 24000000, 225000),  
(4, 'Europe', 'Germany', 27000000, 150000),
```

```
(4, 'Europe', 'France', 38000000, 160000),
(4, 'Europe', 'Italy', 26000000, 190000),
(4, 'Europe', 'Russia', 22000000, 400000),
(4, 'Mediterranean', 'Turkey', 17000000, 100000),
(4, 'Mediterranean', 'Saudi Arabia', 1000000, 10000),
(4, 'Mediterranean', 'Israel', 4000000, 12000),
(4, 'Asia', 'China', 1000000, 5000),
(4, 'Asia', 'India', 45000000, 530000),
(4, 'Asia', 'Japan', 3000000, 30000),
(4, 'Asia', 'South Korea', 11000000, 10000),
(4, 'Asia', 'Indonesia', 6000000, 150000),
(4, 'Asia', 'Thailand', 4000000, 30000);
```

-- Ebola

```
INSERT INTO Disease_Outbreaks (disease_id, region, country, total_cases,
est_deaths) VALUES
(5, 'Africa', 'Guinea', 3806, 2535),
(5, 'Africa', 'Liberia', 10675, 4809),
(5, 'Africa', 'Sierra Leone', 14061, 3955),
(5, 'Africa', 'Mali', 8, 6),
(5, 'Africa', 'Nigeria', 20, 8),
(5, 'Africa', 'Senegal', 1, 0),
(5, 'North America', 'United States', 4, 1),
(5, 'Europe', 'United Kingdom', 1, 0),
(5, 'Europe', 'Spain', 1, 0),
(5, 'Europe', 'Italy', 1, 0),
(5, 'Africa', 'Ethiopia', 1, 0),
(5, 'Africa', 'Uganda', 1, 0);
```

-- Dengue Fever

```
INSERT INTO Disease_Outbreaks (disease_id, region, country, total_cases,
est_deaths) VALUES
(6, 'Latin America', 'Brazil', 6300000, 2800),
(6, 'Latin America', 'Mexico', 244511, NULL),
(6, 'Latin America', 'Peru', 274227, NULL),
(6, 'Asia', 'Bangladesh', 321179, 1705),
(6, 'Asia', 'Indonesia', 219000, 500),
(6, 'Asia', 'Philippines', 167355, 575),
(6, 'Asia', 'Vietnam', 149557, 36);
```

```
CREATE TABLE Treatment_Table (  
    disease_id INT PRIMARY KEY,  
    incubation_period_days VARCHAR(20),  
    treatment_type VARCHAR(100),  
    vaccine VARCHAR(10),  
    vaccination_rate_pct DECIMAL(5,2),  
    long_term_effects_pct DECIMAL(5,2),  
    FOREIGN KEY (disease_id) REFERENCES Disease_Info(disease_id)  
);
```

```
INSERT INTO treatment_table (disease_id, incubation_period_days,  
treatment_type, vaccine, vaccination_rate_pct, long_term_effects_pct)  
VALUES  
(1, '14-28', 'Antiretroviral therapy', 'No', 0.00, 1.00),  
(2, '2-10', 'Supportive care', 'No', 0.00, 0.20),  
(3, '1-4', 'Antiviral medications', 'Yes', 0.20, 0.01),  
(4, '2-14', 'Antiviral medications', 'Yes', 0.70, 0.10),  
(5, '2-21', 'Supportive care', 'Yes', 0.05, 0.30),  
(6, '4-10', 'Supportive care', 'Yes', 0.05, 0.05);
```