

```
CREATE TABLE patients (  
    patient_id INT PRIMARY KEY  
    AUTO_INCREMENT,  
    name VARCHAR(100),  
    age INT,  
    gender ENUM('Male', 'Female', 'Other'),  
    email VARCHAR(100),  
    phone VARCHAR(20),  
    address VARCHAR(255)  
);
```

```
CREATE TABLE healthcare_professionals (  
    professional_id INT PRIMARY KEY  
    AUTO_INCREMENT,  
    name VARCHAR(100),  
    specialization VARCHAR(100),  
    email VARCHAR(100),  
    phone VARCHAR(20)  
);
```

```
CREATE TABLE appointments (  
    appointment_id INT PRIMARY KEY  
    AUTO_INCREMENT,  
    patient_id INT  
    FOREIGN KEY (patient_id) REFERENCES patients (patient_id),  
    professional_id INT  
    FOREIGN KEY (professional_id) REFERENCES healthcare_professionals (professional_id),  
    appointment_date DATETIME  
    FOREIGN KEY (appointment_date) REFERENCES appointments (appointment_date),  
    status VARCHAR(20)  
);
```

```
appointment_id INT PRIMARY KEY
AUTO_INCREMENT,
patient_id INT,
professional_id INT,
appointment_date DATETIME,
status ENUM('Scheduled', 'Cancelled',
'Completed'),
FOREIGN KEY (patient_id) REFERENCES
patients(patient_id),
FOREIGN KEY (professional_id)
REFERENCES
healthcare_professionals(professional_id)
);
```

