

```

CREATE TABLE counties(
  county_id INT GENERATED ALWAYS AS IDENTITY,
  county_name VARCHAR(64) UNIQUE NOT NULL,
  created_at TIMESTAMPTZ DEFAULT CURRENT_TIMESTAMP,
  PRIMARY KEY (county_id)
)

```

```

CREATE TABLE patients(
  patient_id BIGINT GENERATED ALWAYS AS IDENTITY,
  county_id INT NOT NULL,
  first_name VARCHAR(64) NOT NULL,
  surname_name VARCHAR(64),
  other_name VARCHAR(64),
  -- patient_number is to be generated accroding to organization numbering --
  patient_number VARCHAR(64) UNIQUE NOT NULL,
  mobile_number VARCHAR(12) UNIQUE NOT NULL,
  email_address VARCHAR(128) UNIQUE, -- some patients might not have email_address --
  is_disabled BOOLEAN DEFAULT false,
  gender VARCHAR(1) check (gender = 'F' or gender = 'M') NOT NULL ,
  created_at TIMESTAMPTZ DEFAULT CURRENT_TIMESTAMP,
  PRIMARY KEY (patient_id),
  CONSTRAINT fk_county FOREIGN KEY(county_id) REFERENCES counties(county_id)
)

```

```

-- ct_persons is Contact persons table for storing alternative contact person for patient --
CREATE TABLE contact_persons(
  contact_person_id INT GENERATED ALWAYS AS IDENTITY,
  patient_id BIGINT NOT NULL,
  person_name VARCHAR(64) NOT NULL,
  tel_number VARCHAR(12) UNIQUE NOT NULL,
  created_at TIMESTAMPTZ DEFAULT CURRENT_TIMESTAMP,
  PRIMARY KEY (contact_person_id),
  CONSTRAINT fk_patient FOREIGN KEY(patient_id) REFERENCES patients(patient_id)
)

```

```

CREATE TABLE appointments(
  appointment_id BIGINT GENERATED ALWAYS AS IDENTITY,
  patient_id BIGINT NOT NULL,
  appointment_date DATE NOT NULL,
  appointment_time TIME NOT NULL,
  created_at TIMESTAMPTZ DEFAULT CURRENT_TIMESTAMP,
  PRIMARY KEY (appointment_id),
  CONSTRAINT fk_patient FOREIGN KEY(patient_id) REFERENCES patients(patient_id)
)

```