

Entities

medical_device (serial_number, description)

actuator (serial_number)

serial_number: FK (medical device)

sensor (serial_number)

serial_number: FK (medical device)

low_period (s_week_day, s_time_zone, s_date_time, e_week_day, e_time_zone, e_date_time)

high_period (s_date_time, e_date_time)

PAN (domain, phone_number)

patient (NHS_number, name, address)

municipality (digit_code, name)

Weak entities

settings (week_day, time_zone, date_time, value, serial_number)

serial_number: FK (actuator)

readings (week_day, time_zone, date_time, serial_number)

serial_number: FK (sensor)

pairs (name, value, week_day, time_zone, date_time, serial_number)

week_day, time_zone, date_time, serial_number: FK (readings)

Relationships

connects (serial_number, domain, s_week_day, s_time_zone, s_date_time, e_week_day, e_time_zone, e_date_time)

serial_number: FK (medical_device)

domain: FK (PAN)

s_week_day, s_time_zone, s_date_time, e_week_day, e_time_zone, e_date_time: FK (low_period)

wears (NHS_number, domain, s_week_day, s_time_zone, s_date_time, e_week_day, e_time_zone, e_date_time)

NHS_number: FK (patient)

domain: FK (PAN)

s_week_day, s_time_zone, s_date_time, e_week_day, e_time_zone, e_date_time: FK (low_period)

lives_with (NHS_number1, NHS_number2, s_date_time, e_date_time)

NHS_number1: FK (patient)

NHS_number2: FK (patient)

s_date_time, e_date_time: FK (high_period)

lives_in (NHS_number, digit_code, s_date_time, e_date_time)

NHS_number: FK (patient)

domain: FK (municipality)

s_date_time, e_date_time: FK (high_period)

