

## **Use Case 1 (UC1) Create Personnel**

Precondition:

The iTrust admin has authenticated himself or herself in the iTrust Medical Record system.

Main Flow:

An admin creates a LHCP (Licensed Health Care Professional), an ER (Emergency Responder), a LT (Laboratory Technician), or a PHA (Public Health Agent).

## **Use Case 2 (UC2) Find LHCPs (Licensed Health Care Professionals) with Experience with a Diagnosis**

Precondition:

The iTrust user (patient) has been authenticated in the iTrust Medical Record system.

Main Flow:

A patient has just been diagnosed with a condition and wants to find the LHCPs in the area who have handled that condition. The patient chooses 'My Diagnoses' and is presented with a listing of all their own diagnoses, sorted by diagnosis date (more recent first). The patient can select a diagnosis and will be presented with the LHCPs in the patient's living area (based upon the first three numbers of zip code) who have handled this diagnosis in the last three years. The list is ranked by the quantity of patients the LHCP has treated for that diagnosis (each patient is only counted once regardless of the number office visits). For each LHCP, the following information is displayed:

- Name of LHCP linked to contact information for that LHCP
- The quantity of unique patients treated by that LHCP for that diagnosis (each patient is only counted once regardless of the number of office visits)
- List of all prescriptions given by that LHCP for that diagnosis
- List of all laboratory procedures ordered by that LHCP for that diagnosis
- The LHCP's average visit satisfaction
- The LHCP's average treatment satisfaction

## **Use Case 3 (UC3) Identify Risk of Chronic Disease**

### Precondition:

The LHCP (Licensed Health Care Professional) authenticated himself or herself in the iTrust Medical Record system.

### Main Flow:

Through the Personal Health Records page, an LHCP chooses a chronic disease and a patient. The data in the database is analyzed according to the risk factors for the disease to determine if the patient exhibits one or more risk factors. Currently available risk factors for chronic disease are defined for Diabetes (Type 1 and Type 2) and Heart Disease. When the chosen patient satisfies the preconditions of the chosen chronic disease, the LHCP is provided with a warning message if that patient exhibits three or more risk factors. The message will display the risk factors that the patients exhibit.