

LibreHealth Educational EHR Exercises for Health Informatics students

1. **Access** to LibreHealth. By now you should have received login credentials for this EHR. Your login username is your first initial followed by your last name e.g. rhoyt. The generic password is xxxxx. You have the option of going to "Miscellaneous" menu at the top select password and change it. Navigate around the different functions in the top menu to become familiar with the basic features. **Note:** you should be in the clinic known as "xxx Class." Please be familiar with the User Guide (to be created) and view the first tutorial (to be created). There are 20 sample patients you can access to gain familiarity with the software.
2. **Create a new patient** in LibreHealth and supply realistic demographics.
3. **Retrieve lab work** on one of the sample patients: xxxx
4. **Documenting a Visit.** Select your created patient and at the top select "New Encounter". In the next window select established patient, facility is **xxxx**, sensitivity normal and today's date and click save. A new window will appear and at the top select, Clinical tab. Feel free to use dictation or SOAP to create a note for a common illness such as low back pain. Also feel free to use voice recognition if you have it to create the note. Also, be sure to select review of systems check box and add some complaints.
2. **Coding an office visit:** after creating the note, select popups, the superbill and create and print the superbill
3. **The problem summary list.** To create a problem summary list for your test patient, go to the patient summary page. Under medical diagnosis; select edit and begin entering medical diagnoses such as hypertension, diabetes, etc. This should generate ICD-10 codes that will be used for coding. The diagnosis of diabetes will also trigger physician alerts and patient reminders as you will see. Add a new immunization to the problem summary list. Insert pneumococcal vaccine (CVX 33). Lastly, add at least one allergy to the problem summary list. Select from the dropdown list and fill in the details to include an ICD-10 code, if possible.
4. **Clinic and patient reports**
 - a. Clinic report exercise
 - b. Patient report exercise
5. **Ordering outpatient labs**
6. **Create a patient appointment**
7. **Order a new medication:** In the problem summary list, select Prescriptions >> Edit and order from the in-house pharmacy ibuprofen 400mg every 6 hours; dispense 90 with 3 refills. Next, create a new encounter and the purpose of the visit is to "draw lab work". In the Administrative tab select "procedure order". A new window will appear and fill in name of provider, quest labs, data, privacy level is normal, status is pending. Leave clinical history blank. search for TSH as the order; once it is found select "save and transmit". This should download the HL7 message that would be sent to the lab. Using a text editor like Windows Notepad or Mac TextEdit examine the HL7 message.
8. **Alerts and Reminders**
9. **Creating or modifying a clinical decision rule (CDR)**
10. **Send a patient summary (CCDA)**

11. The patient portal exercise: