Import results from Staging before starting.

* In the future will the staging date range be the same as incoming message monitor? (I am going to assume this is the case for now)

Go to Incoming Message Monitor and search for the lab and the date range of interest. Export the search in Excel and filter by the resulted test to see what test types are sent and compare to what the lab said they were going to send to confirm each test type expected was received.

Filter by each test type and result value and pick out one example of each to look at in more detail in the system (disease incident and HL7). Limit to Imported incidents only (so demo tab will only include info that came by ELR…attached records might have old info on the demo tab).

Navigate to the disease incident (DI) and review key fields.

1. Demographic tab
   1. Name (PID-5)
   2. DOB (PID-7)
   3. Race (PID-10)
   4. Ethnicity (PID-22)
   5. Address (street address, city, state, zip code) (PID-11)
   6. Phone number (PID-13)
   7. Gender (PID-8)
2. Laboratory tab
   1. Accession Number (SPM-2.2.1)
   2. Specimen Collected Date (SPM-17, OBX-14, OBR-7..all 3 of these should have the same date)
   3. Specimen Received Date (SPM-18)
   4. Specimen Source (SPM-4)
   5. Resulted Test (OBX-3)
   6. Result (or Resulted Organism) (OBX-5)
   7. Units (OBX-6)
   8. Reference Range (OBX-7)
   9. Result Date (OBX-19)
   10. Performing Facility ID (OBX-23)
   11. Abnormal Flag (OBX-8)
   12. Observation Result Status (OBX-11)
   13. Provider Name (ORC-12)
   14. Order Call Back Phone (provider phone) (ORC-14)
   15. Provider address (address, city, state, zip) (ORC-24)
   16. Facility Name (ORC-21)
   17. Facility Address (address, city, state, zip) (ORC-22)
   18. Facility phone number (ORC-23)

Next step would be, if any issues are found with the above data, to compare to the HL7 message to provide feedback to the lab. (Use CalREDIE guide to map fields from tab to HL7 message).

Navigate to the Incoming Message Monitor and pull the information from the HL7 message.

Proposed idea is to have Python do the following:

For each example accession number, provide a table of the above variables with a column indicating what is on the tabs and a column indicating what is in the HL7 message for that field (also add the Value Type from OBX-2. This is not on the tab). Then the user can manually review this table summary to determine if it passes or not. If not, the info from the HL7 message is already on the table and we can use this to provide feedback to the lab.