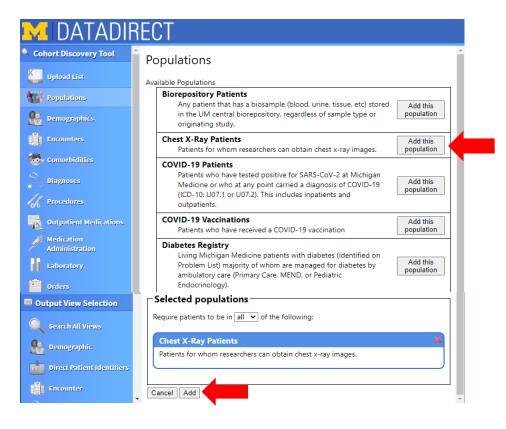DATA OFFICE FOR CLINICAL & TRANSLATIONAL RESEARCH

Chest x-ray data available through DataDirect

Using DataDirect, researchers can get information about the timing and sequence of a patient's chest x-rays (CXR). DataDirect is a self-serve software tool enabling researchers to access and explore clinical data. It includes information from the electronic health records (EHR) of more than 4 million unique patients, the Michigan Genomics Initiative cohort and the Michigan Medical School Central Biorepository.

1. Login into DataDirect and select **Create a New Query**. From the **Populations** cohort discovery tool, add the **Chest X-Ray Patients** population. This will limit your query to patients with chest x-rays available in the repository.

2. Under Output View Selection, select **Procedure**. Expand the **ChestXRay_Crosswalk** and **Orders** output menus.

3. In ChestXRay_Crosswalk, under **Column Description**, click on the variable name to display the green plus ✚ sign. The green plus sign indicate that variable will be included in the query results*. Note: DeID_PatientID, DeIDEncounterID, DeIDProcedure_ID and AccessionNumberPH must be exported to properly join the EHR data to the radiology images.*

4. In the Orders view under Column Description, select ProcedureOrderID in addition to the pre-selected DeID_PatientID and DeID_Encoutner ID.

5. Select Run Query on the right lower side of the window. Your query has been submitted and you will receive an email when your data file is available on Turbo.