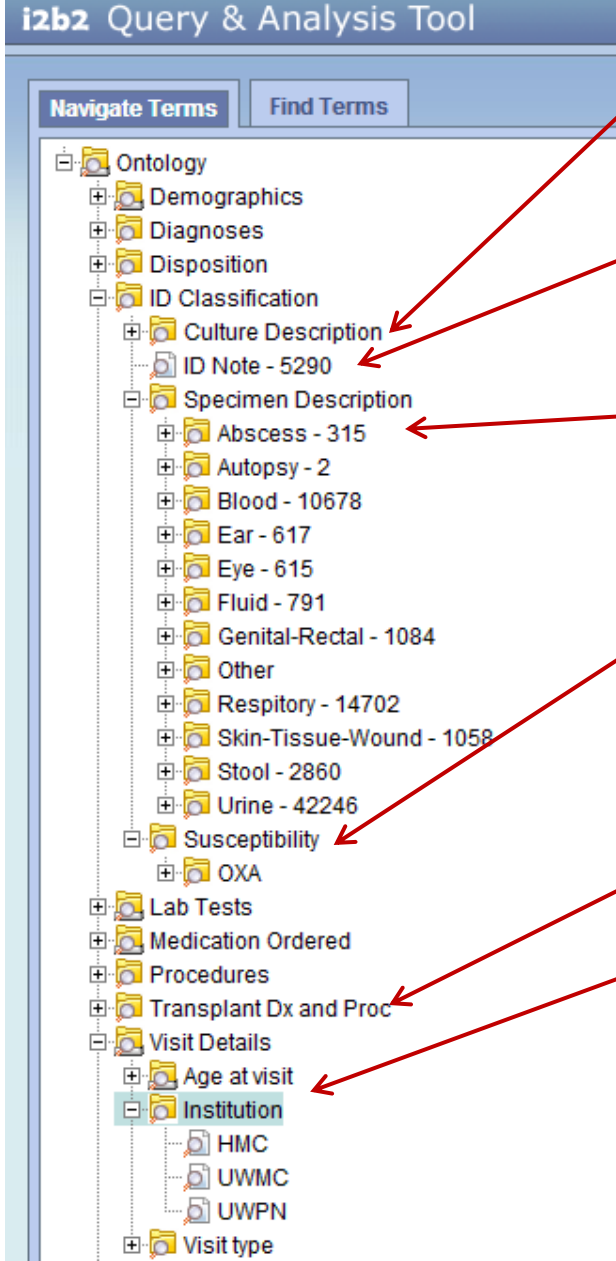


ID specific terms



- Culture Description
 - Description of culture results (organisms)
- ID Note
 - Presence of ID note
- Specimen Description
 - Location of where culture was taken
- Susceptibility
 - Antibiotics susceptibility information (currently only has OXA info)
- Transplant Diagnosis and Procedures
- Visit Details
 - Institution, type of visit, etc.

Query Example 5 – Infectious Disease

The screenshot shows a clinical query builder interface. On the left, the 'Find Terms' panel is active, showing search results for 'Staphylococcus'. The search criteria are 'Containing' and 'Any Category'. The results list various terms related to Staphylococcus, including 'Staphylococcus aureus' and 'Staphylococcus aureus coagulase positive'. On the right, the 'Query Tool' panel shows a 'Query Name' field and a 'Temporal Constraint' field. Below these, a 'Group 1' panel is visible, containing a table with columns 'Dates', 'Occurs > 0x', and 'Exclude'. The table lists several terms, including 'Staphylococcus aureus - 2', 'Staphylococcus aureus co', and 'Staphylococcus aureus, co'. A red arrow points from the search string 'Staphylococcus' in the Find Terms panel to the selected terms in the Query Tool panel. A green box at the bottom right contains the text 'one or more of these', and a blue box contains the text 'AN'.

- Patients with *staphylococcus aureus*
 - Search string in Find Terms and drag all applicable into the query panel
- In Blood
- In 2012
- HMC

Query Example 5 – cont.

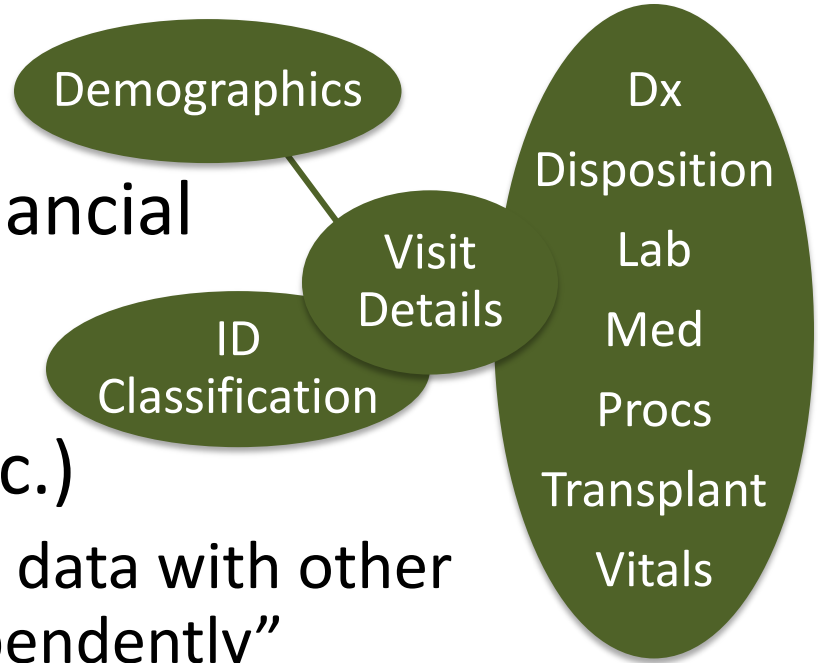
The screenshot shows the 'Query & Analysis Tool' interface. The left-hand side contains an ontology tree with categories like Demographics, Diagnoses, Disposition, ID Classification, Specimen Description, and Lab Tests. The central 'Query Tool' panel shows a query named 'Selected groups occur in the same financial encounter' with a temporal constraint. Below this, there are three groups: Group 1 (Staphylococcus aureus), Group 2 (Blood - 10678), and Group 3 (HMC). A dialog box titled 'Constrain Group by Date Range' is open, showing a date range from 01/01/2012 to 12/31/2012. Red arrows point from the 'Blood - 10678' and 'HMC' terms in the ontology to the dialog box, and from the dialog box to the 'Selected groups occur in the same financial encounter' constraint in the query tool.

- Patients with staphylococcus aureus
- In Blood
- In 2012
 - Click on dates in query panel and enter date range
- HMC
- Occur in the same encounter (must look at cultures run at the same visit)

Querying Tips – cont.

- ID Classification data is not financial encounter (patient contact) linked to other clinical data (e.g. Dx, Labs, Meds, Procs, etc.)

- When querying ID classification data with other clinical data, select “treat independently” option for any items outside ID Classification and Visit Details folder



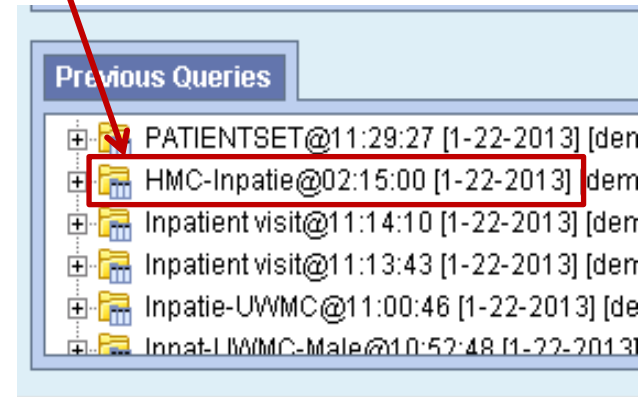
Query Name: _____

Temporal Constraint: Selected groups occur in the same financial encounter

Group 1			Group 2			Group 3		
Dates	Occurs > 0x	Exclude	Dates	Occurs > 0x	Exclude	Dates	Occurs > 0x	Exclude
Occurs in Same Encounter			Occurs in Same Encounter			Treat Independently		
ID Note - 5524			STAPHYLOCOCCUS			Vancomycin - 23614		

Data Request Process

- Once your cohort is identified, request a dataset for that cohort
- Go to <https://www.iths.org/dcdr> and fill out the Infectious Disease Repository data request form (Click on “IDR Data Request” from the menu)
- Be sure to note your DCDR query ID located in the Previous Queries panel
- Data can be requested several ways
 - Complete a detailed list of data elements desired
 - Pick from existing queries (see “Existing Queries” menu on the website)
 - Get a de-identified dataset from DCDR



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Data Request – cont.

- Existing Queries
 - Matrix of clinical variables*
Demographic, Inpatient Meds (192), Labs (94), Micro (141), Vitals
 - Reports
Demographic summary, Readmission within 90 days, Inpatient medication summary, Antibiotic administration during inpatient visit
- Formats
 - Spreadsheets
 - .csv or other delimited files for stats packages
 - Online reports with chart
 - ...and more!

* For a full list of variables, please visit <https://www.iths.org/dcdr> and click on the “Existing Queries” under Infectious Disease Repository menu

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Questions...?

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