

DCCR Query Interface - cont.

Analysis Tools

The screenshot displays the i2b2 Query & Analysis Tool interface. At the top, the title bar shows 'i2b2 Query & Analysis Tool', 'Project: RCDR', 'User: i2b2 User', and navigation links for 'Find Patients', 'Analysis Tools' (circled in red with an arrow from the text 'Analysis Tools' above), 'Message Log', 'Help', and 'Logout'.

The main interface is divided into several panels:

- Navigate Terms:** A tree view showing a hierarchy of terms under 'Ontology', including 'Demographics' (Age, Distance from HMC, Gender, Language, Marital Status, Race, Religion, Vital Status), 'Diagnoses', and 'Disposition'.
- Workplace:** A tree view showing a 'demo' folder with items like 'HCO3 - BICARBONATE', 'Inpatie-UWMC@10:37:23 [1-22-2013] [demo]', 'PATIENT_COUNT_XML_131', and a 'Test' folder containing 'Inpatie-UWMC@11:00:46 [1-22-2013] [demo]' and 'Patient Set for "Inpatie-UWMC@11:00:46" - FINISHED'.
- Query Tool:** The central area for building queries. It shows 'Query Name: PATIENTSET@11:29:27' and a 'Temporal Constraint' set to 'Treat all groups independently'. Below this are three columns for 'Group 1', 'Group 2', and 'Group 3'. Each group has a 'Dates' field, an 'Occurs > 0x' dropdown, and an 'Exclude' checkbox. The 'Dates' field for Group 1 contains 'Patient Set for "Inpatie-UWMC@11:00:46" - FINISHED'. A blue 'AND' button is positioned between the groups. A green box on the left says 'one or more of these' and a yellow box on the right says 'drop a term on here'.
- Previous Queries:** A list of recent queries, including 'PATIENTSET@11:29:27 [1-22-2013] [demo]', 'HMC-Inpatie@02:15:00 [1-22-2013] [demo]', and others.
- Query Status:** A panel at the bottom right showing 'Finished Query: "PATIENTSET@11:29:27" [68.2 secs]' and 'Compute Time: 65 secs'. It also displays 'Number of patients for "PATIENTSET@11:29:27" patient_count: 42270'.

At the bottom of the Query Tool panel, there are buttons for 'Run Query', 'Clear', 'Print Query', and 'New Group', along with a '1 Group' indicator and navigation arrows.

Analysis Tools – Demographics

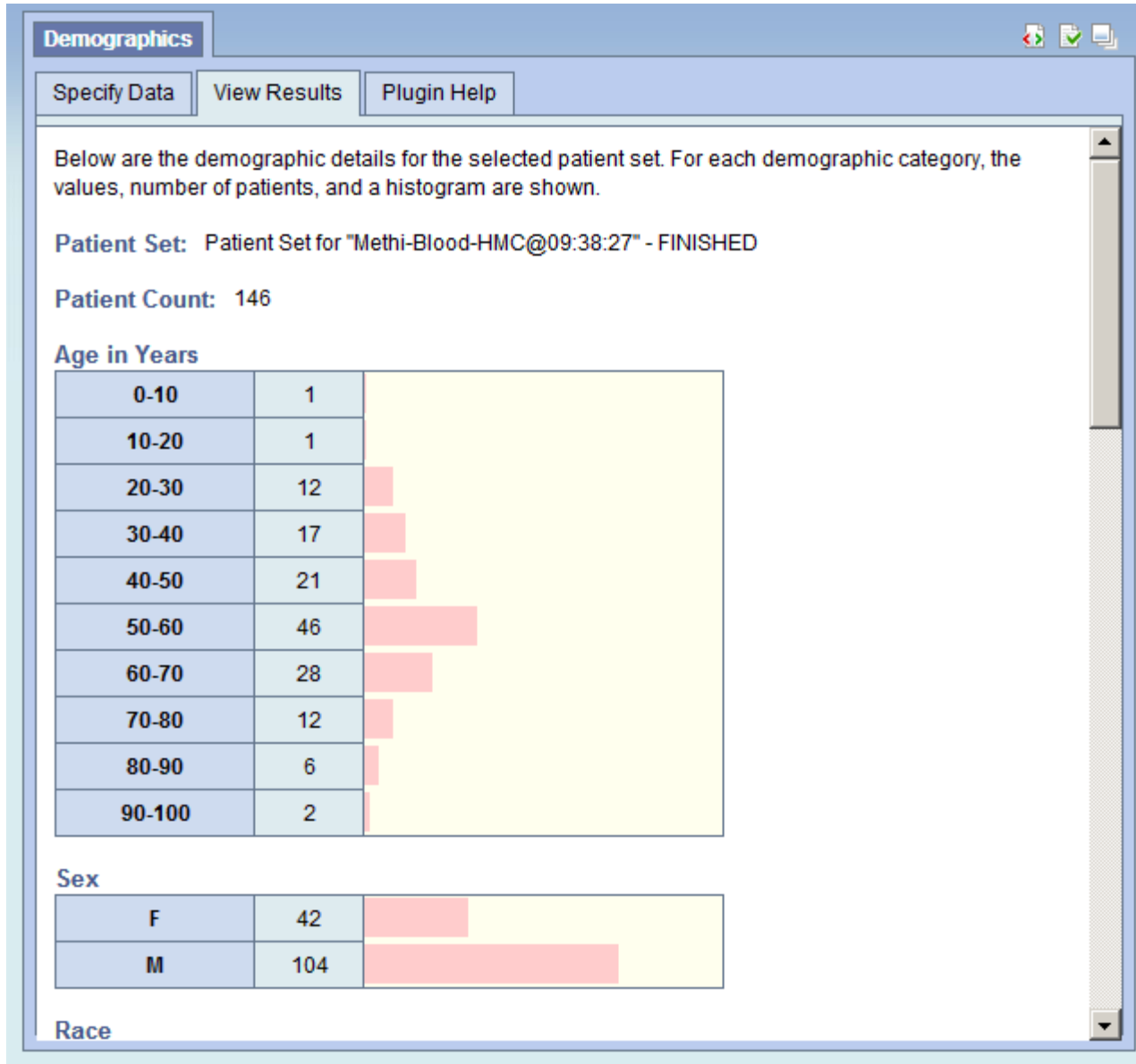
The screenshot shows a software interface with the following components:

- Demographics Panel (Top Right):** Contains a 'Specify Data' section with a 'View Results' button circled in red and labeled '3'. Below it is an input box labeled 'Patient Set:' with the text 'Drop a small Patient Set here'. A red arrow labeled '2' points from the 'Previous Queries' panel to this input box.
- Previous Queries Panel (Bottom Left):** Lists several queries. One entry, 'Patient Set for "Methi-Blood-HMC@', is circled in red. A red arrow labeled '2' points from this entry to the 'Patient Set:' input box in the 'Demographics' panel.
- Plugins Panel (Bottom Right):** Shows a list of plugins. The 'Demographics (1 Patient Set) - Simple Counts' plugin is highlighted in yellow. A red arrow labeled '1' points to this plugin.

1. Click on one of the Demographics analysis tools
2. Drag a patient set from Previous Queries (or Workplace) into the tool*
3. Click on “View Results” tab

* for comparison of 2 patient sets, you will need to create 2 patient sets

Demographics Analysis Tool Sample Output



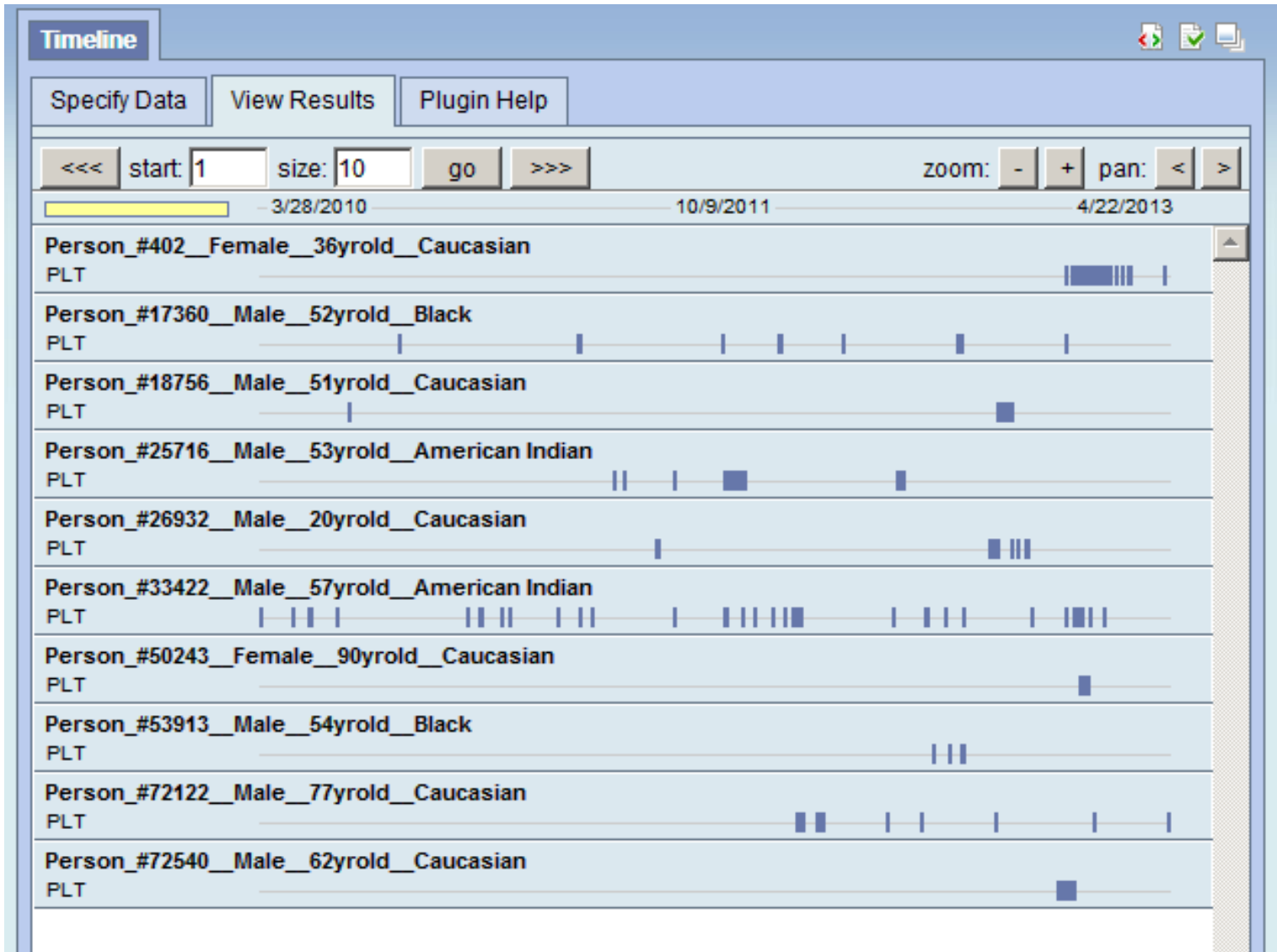
Analysis Tools – Timeline

The screenshot shows the following components:

- Terms Panel:** A hierarchical tree of medical concepts. Under 'Hematology/Coagulation', 'CBC' is expanded to show 'PLT - 226359', which is circled in red with a red '3' and an arrow pointing to the 'Concept(s)' field in the 'Timeline' panel.
- Previous Queries Panel:** A list of patient sets. 'Patient Set for "Methi-Blood-HMC@09:38:27"' is circled in red with a red '2' and an arrow pointing to the 'Patient Set' field in the 'Timeline' panel.
- Timeline Panel:** Contains 'Specify Data', 'View Results', and 'Plugin Help' tabs. The 'View Results' tab is highlighted with a red '1'.
- Queries Panel:** Shows a list of queries, including 'Methi-Blood-HMC@09:38:27 [9-6-2013]'.
- Plugins Panel:** Shows the 'Timeline' plugin description: 'This plugin creates a visual representation of when selected observations occur.'

1. Click on the timeline analysis tool
2. Drag a patient set from Previous Queries (or Workplace) into the tool
3. Drag a concept (anything item on the tree) into the tool
4. Click on “View Results” tab

Timeline Analysis Tool Sample Output



Timeline

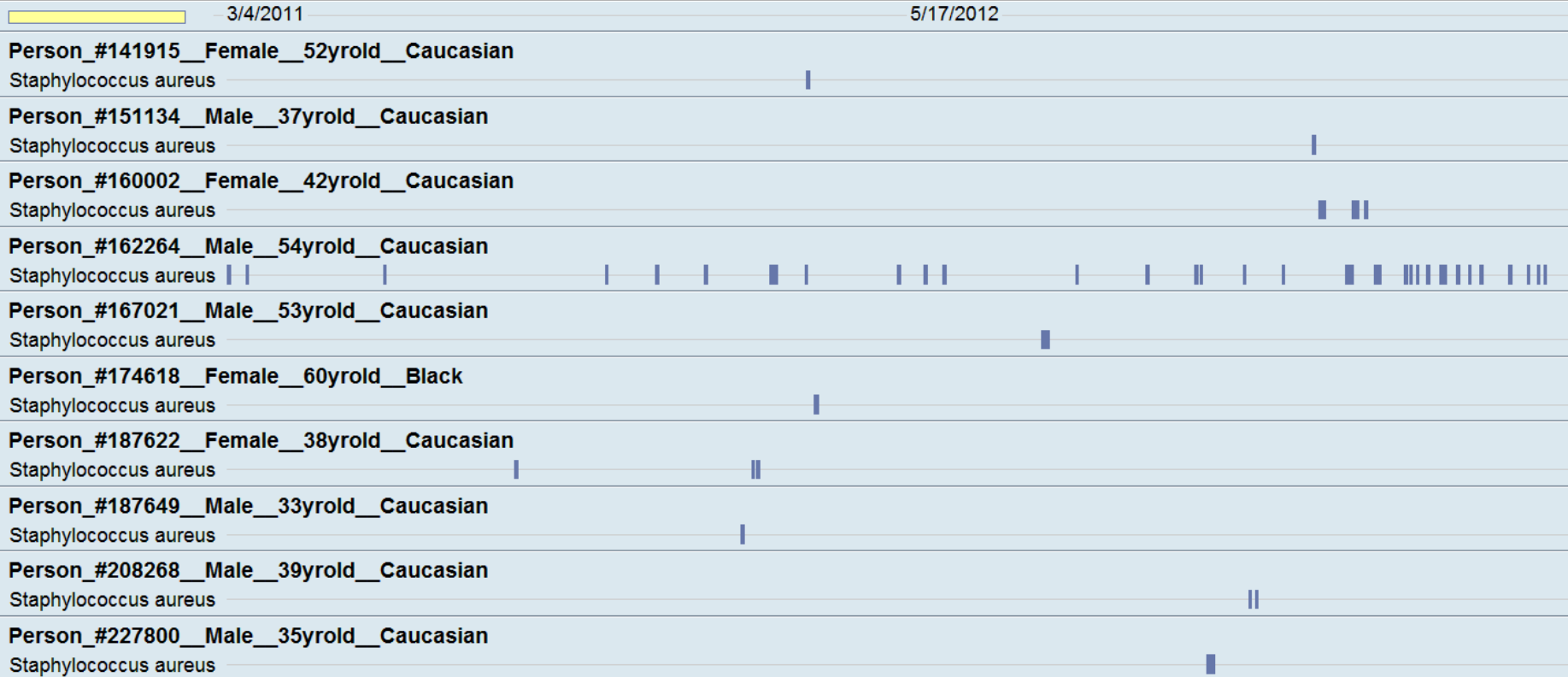
Specify Data

View Results

Plugin Help

<<< start: 11 size: 10 go >>>

zoom: -



Questions...?

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