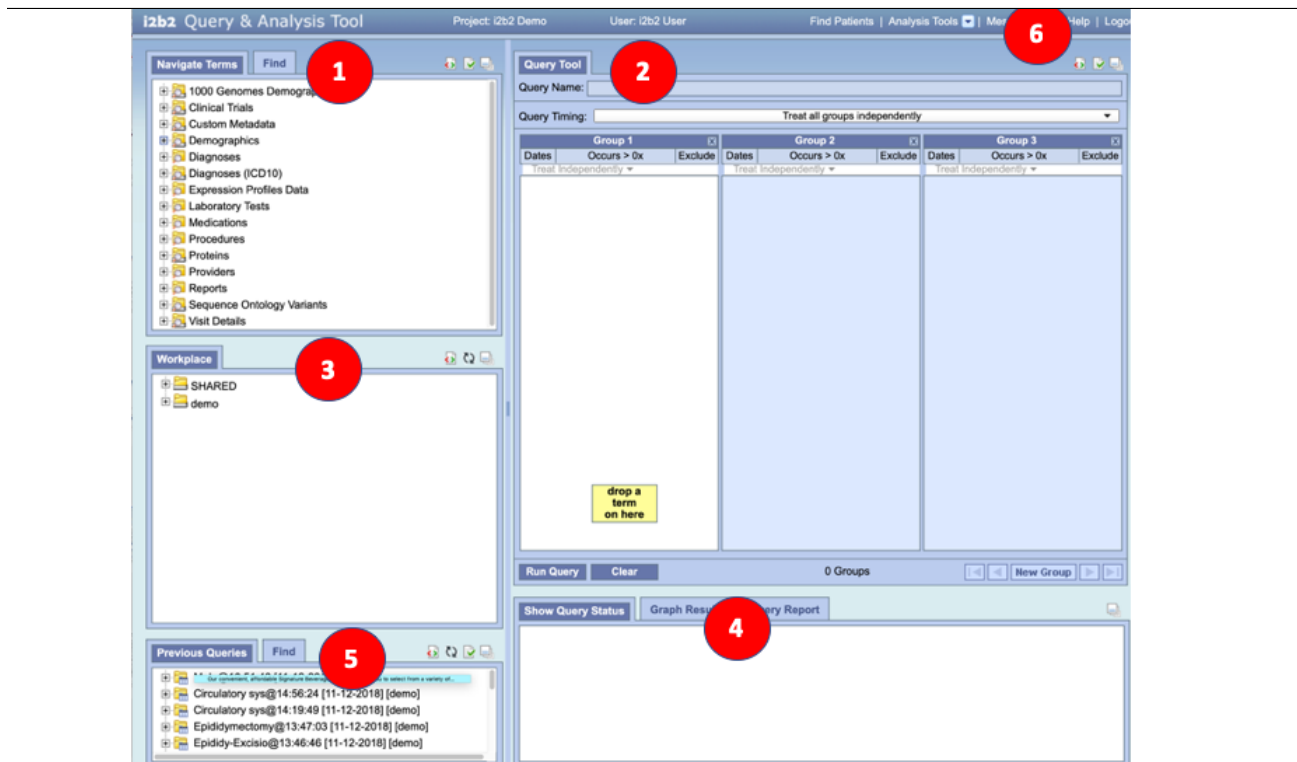# Quick Guide to Creating and Running Queries

- Creating the Query
  - Select a Folder or Item from section #1, 3 or 5
  - Next, select the RUN QUERY button at the bottom of the Query Panel -.
  - As the Query finishes, a new Folder is created in the Previous Queries Panel
- Results appear in Show Query Status Panel
  - The full results of the query are placed in a Query Report.
- The Query Report for contains the full results of the query:

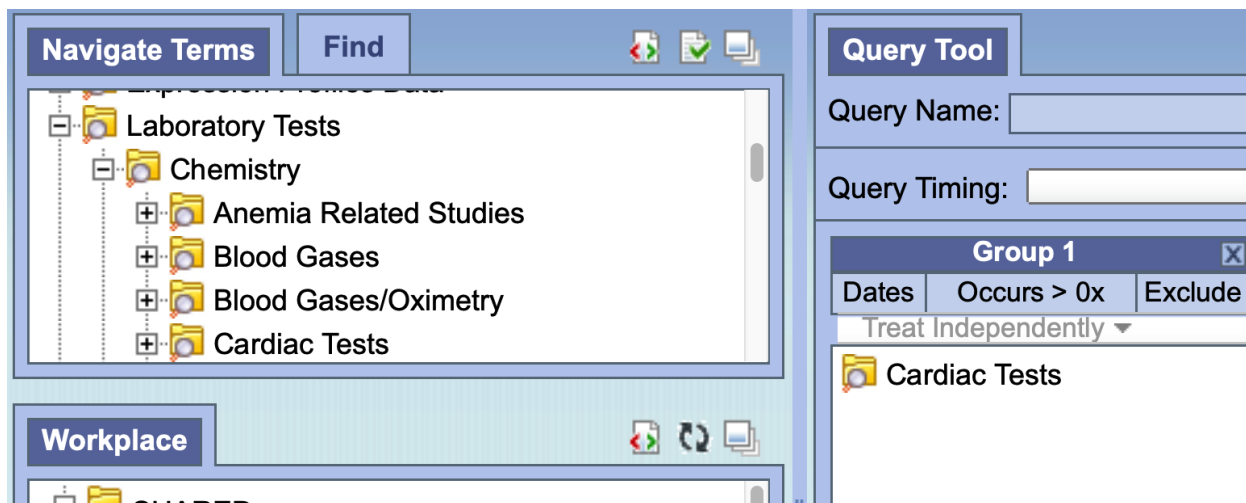## Quick Overview for Creating and Running a Query

This section describes the process of creating and running a query and reviewing the output.

Creating the Query

To create a query, it is necessary to define what information will be retrieved from the databases. Items can be selected from other i2b2 Web Client views and dragged and dropped (copied) into the Query Tool Group panels on the right.

Select a Folder or Item from section #1, 3 or 5
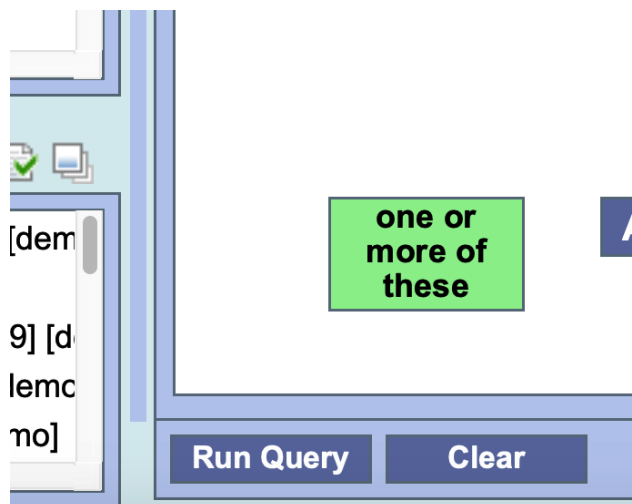
Navigate Terms	Find				Query Tool

Laboratory Tests
  Chemistry
    Anemia Related Studies
    Blood Gases
    Blood Gases/Oximetry
    Cardiac Tests

Workplace

SHARED

Query Tool

Query Name:

Query Timing:

Group 1		☒
Dates	Occurs > 0x	Exclude

Treat Independently ▾

Cardiac Tests

For example, From Navigate Terms Panel (#1) select Laboratory Tests and then Chemistry

Grab "Cardiac Tests" and drag over

And drop it in to panel #2 "Group 1".

Next, select the RUN QUERY button at the bottom of the Query Panel -.

[dem

9] [d
lemo
mo]

one or
more of
these

A

Run Query	Clear

Next, i2b2 will ask for the desired **Output Selection -->**

When a query is run, it needs the desired type of results that the server will return. There are several result types available, each of which will yield a different output.

Patient set: Provides a list of patients who met the search criteria.

Encounter set: Provides the total number of encounters that met the search criteria

Number of patients: Provides the total number of patients who met the search criteria

Run Query

Please type a name for the query:

Cardiac Tests@15:40:05

Please check the query result type(s):

- ☑ Patient set
- ☐ Encounter set
- ☑ Number of patients
- ☐ Gender patient breakdown
- ☑ Vital Status patient breakdown

OK   Cancel

Gender patient breakdown:
Provides a breakdown of the patients by their gender.

Vital Status patient breakdown: Provides a breakdown of the patients by their vital status.

Race patient breakdown: Provides a breakdown of the patients by their race

Age patient breakdown: Provides a breakdown of the patients by their age.

Timeline: Not used in the Web Client. If selected it will work the same as patient set

Previous Queries   **Find**

⊟ 📁 Cardiac Tests@15:40:46 [2-15-2019] [demo]
   ⊟ 📁 Results of Cardiac Tests@15:40:46 [2-15-2(
      ⊞ 👤 Patient Set for "Cardiac Tests@15:40:46
        👤# Number of patients for "Cardiac Tests@1
        👤# Vital Status patient breakdown for "Cardi

As the Query finishes, a new Folder is created in the Previous Queries Panel
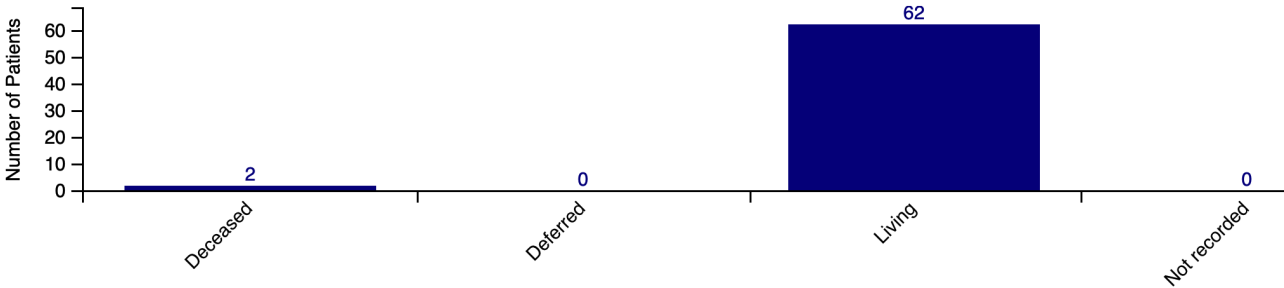
Number of patients

64

For Query Cardiac Tests@15:40:46"

Results appear in Show Query Status Panel

When completed, in the Show Query Status panel, graphical results will be displayed automatically. The panel can be expanded by clicking the Expand Panel button will expand the results.

i2b2 Query Report

Print Report

The query entitled "Cardiac Tests@15:40:46" submitted on 2019-02-15 23:40:49, was successfully completed on 2019-02-15 23:40:50. This query was performed by "i2b2 User". The search was completed in 1 seconds.

Query Definition

Temporal Constraint: Treat All Groups Independently

All Groups

📁 **Cardiac Tests**

Labtests \ Chemistry \ Cardiac Tests
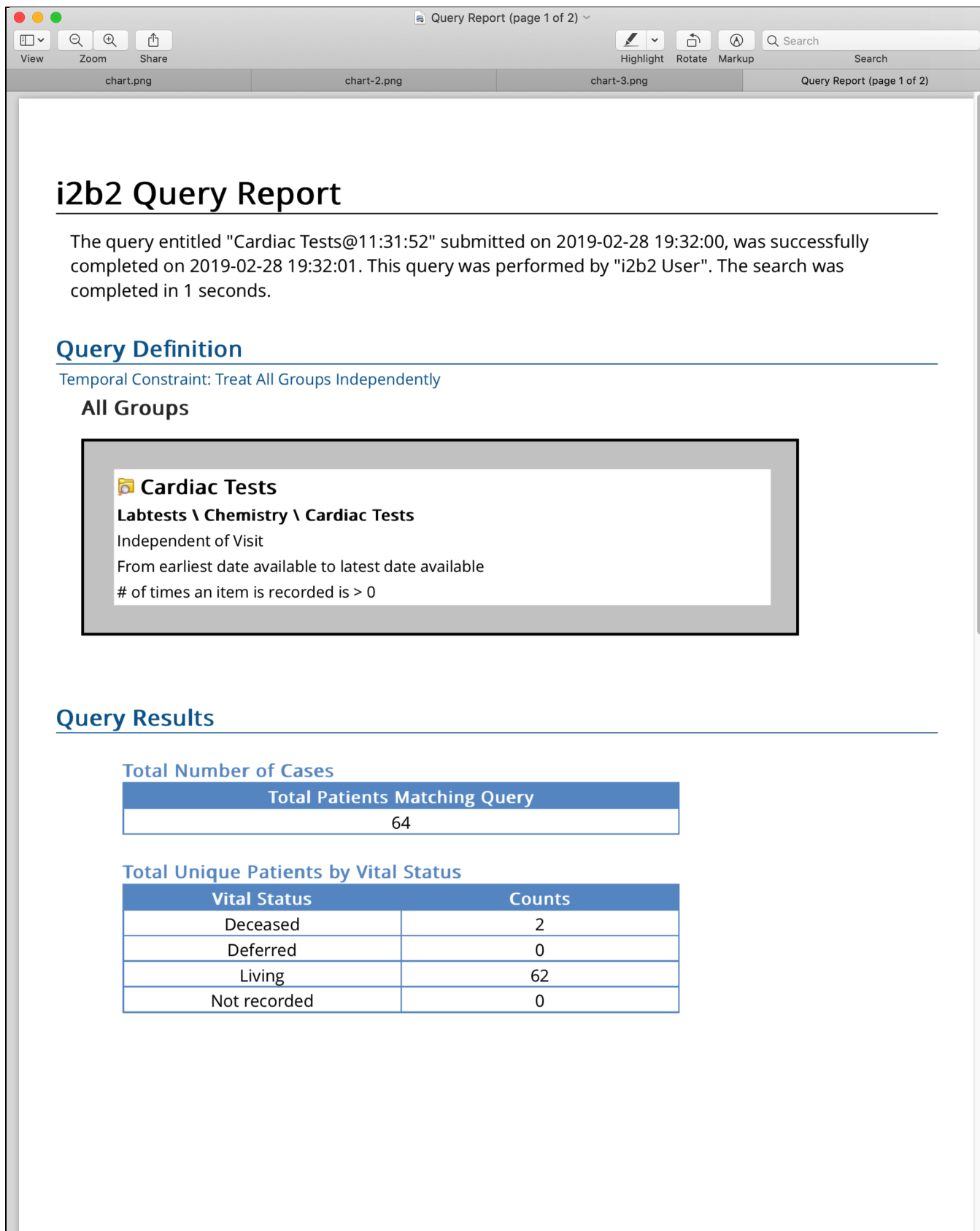
Independent of Visit

From earliest date available to latest date available
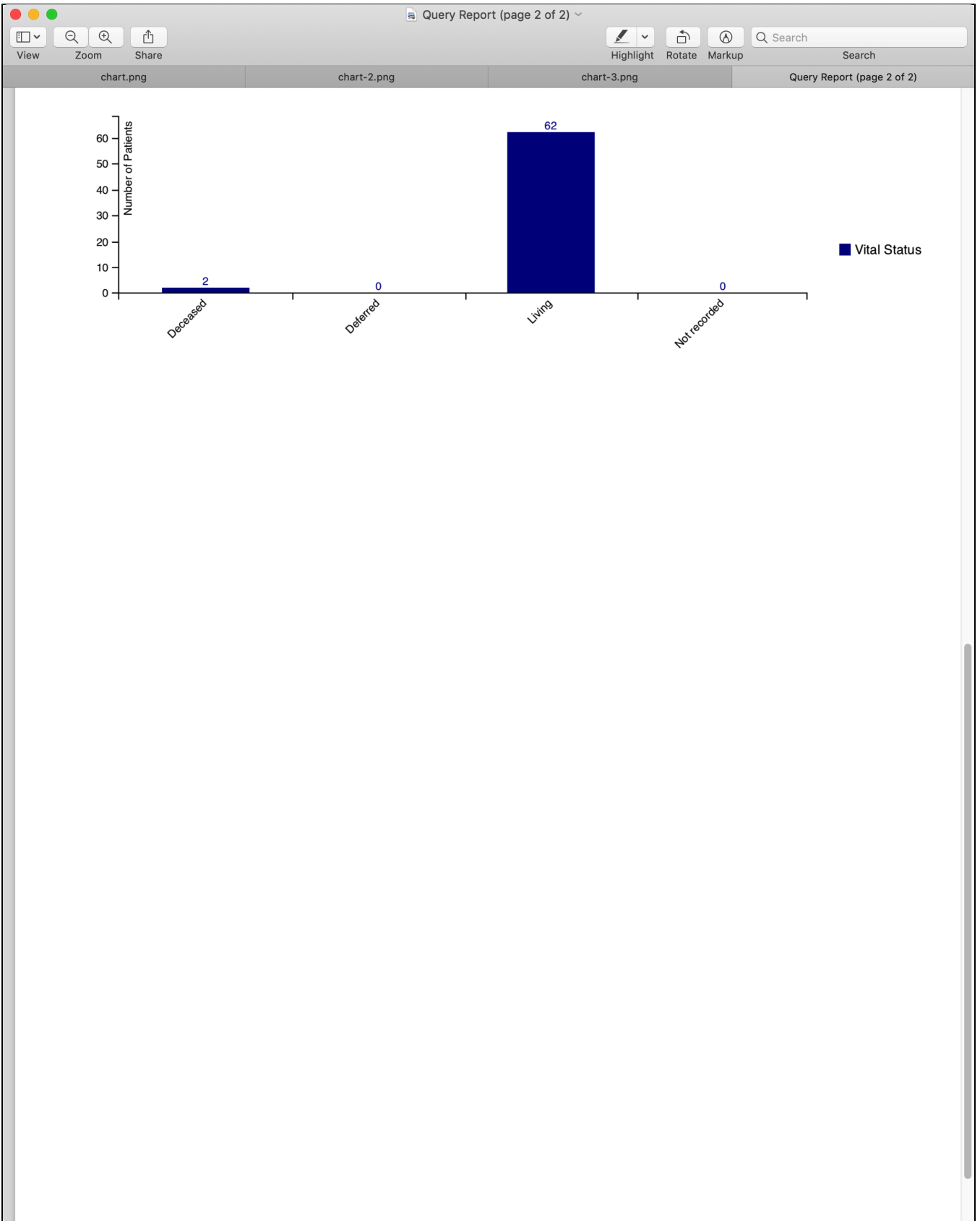
# of times an item is recorded is > 0

The full results of the query are placed in a Query Report.

Pressing the Query Report button brings up this report

The Query Report for contains the full results of the query:

i2b2 Query Report

The query entitled "Cardiac Tests@11:31:52" submitted on 2019-02-28 19:32:00, was successfully completed on 2019-02-28 19:32:01. This query was performed by "i2b2 User". The search was completed in 1 seconds.

Query Definition

Temporal Constraint: Treat All Groups Independently

All Groups

📁 **Cardiac Tests**

Labtests \ Chemistry \ Cardiac Tests

Independent of Visit

From earliest date available to latest date available

# of times an item is recorded is > 0

Query Results

Total Number of Cases

Total Patients Matching Query
64

Total Unique Patients by Vital Status

Vital Status	Counts
Deceased	2
Deferred	0
Living	62
Not recorded	0

Web Client Help Topics - Top Level