



RCHC Analytics Academy

May 12th, 2022

RCHC is excited to host the third Analytics training. Please see the descriptions times, and topics below.

Don't Risk It, Stay Relevant

Presented By Gary Lapon & Aneri Barvalia of Relevant

9:00 am to 11:15 am

Description:

Relevant will show how quality and provider teams can use population explorer to identify patients for care and follow up. We will go over best practices for using Relevant's outreach tool, and some refresher training. Lastly, we will showcase how to use Relevant's risk score module, with a focus on the Charlson Comorbidity Index.

Can't Wait for the SQL

Presented By Ben Fouts

12:00 pm to 2:15 pm

Description:

Both sessions will be for at least intermediate users who can utilize basic Postgres SQL commands, are familiar with common table names and fields in Relevant and have access to software used to run code on the Relevant database. Both sessions will feature a "work-along" flow, where participants will perform stepwise SQL tasks in their own system as these tasks are described in the presentation. Examples in the session will apply to both eCW and NextGen base tables.

Understanding and Using Standard Value Sets in Your SQL Code

This session will first define Value Sets and describe the three Value Sets currently available in Relevant. Then, the session will outline which code sets are used for which tasks, and how to find an appropriate Value Set for a specific operation. Participants will practice building SQL code to join Value Sets to tables in Relevant.



Utilizing SQL Code from Other Health Centers

Health centers often initiate projects that other health centers have thought about or worked on. Time and effort can be saved by first searching and considering SQL code already in existence before beginning your own. Code can be copied from other health centers (but not the underlying data) for Transformers, Importers, reports, and custom Quality Measures. Furthermore, RCHC sometimes creates reports for certain grants that should be imported to your own instance of Relevant. Often, code from other sources needs to be somewhat customized to the table and field names in your instance of Relevant. This session will describe how to find useful SQL code at other health centers, how to bring it into your own system, and how to make it work. Participants will practice importing and customizing a special report in Relevant.

Getting Messy with SQL Reporting

Presented By Nicholas Alonzo

2:30 pm to 4:45 pm

Health Center SQL Reporting on Preventive Breast Imaging's

Description:

This is a hands-on code-along training that provides an overview of building a health center SQL report related to Breast Imaging's. We'll focus on report structure, messy data, and end-user usage. Data will be provided in CSV files representative of EHR database tables that can be uploaded into participants' own system; a setup guide will be provided prior to the training. Any remaining time will be set aside for a general SQL Q&A session.

Learning Objectives:

After this training, participants should be able to apply concepts to their health centers' needs:

- Organize queries for readability and efficiency
- Identify SQL functions for working with messy data
- Design optimal report output for end-user functionality

Audience: This training is targeted for participants using a SQL reporting system (e.g., Relevant, Microsoft SSRS) with intermediate to advanced knowledge of PostgreSQL and common EHR database tables (Data analysts/programmers with more than 9 months of experience).

Prerequisites: Participants must have access to a PostgreSQL database (e.g., Relevant) and software for interacting with databases (e.g., DataGrip, DBeaver). Participants should know how to connect to databases and run queries in their software environment.