Reimagining Quality Reporting using the OMOP CDM NOTE_NLP Table: A Pilot

♣ PRESENTER: Kristin Kostka

INTRO

The Healthcare Effectiveness Data and Information Set (HEDIS®) is the gold standard in healthcare performance measurement, used by more than 90 percent of the nation's health plans and many leading employers and regulators [1].

THE CHALLENGE

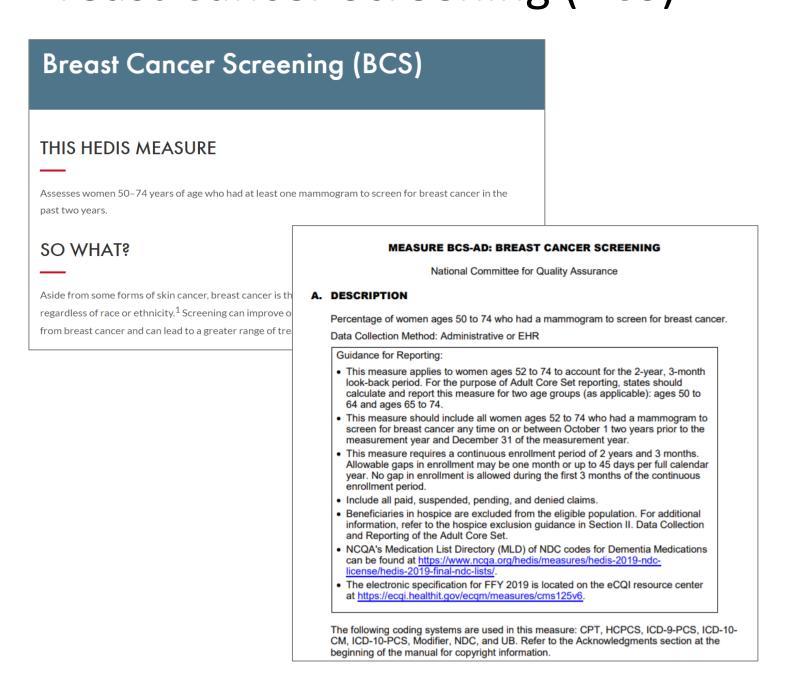
HEDIS measures are labor intensive. Manual abstraction of required data costs health providers nearly \$15.4B annually and over 40% of their worker's time [2].

OUR PILOT

Can hybrid measures (structured and unstructured data) be assembled in a more streamlined, standardized way?

TEST CASE

Breast Cancer Screening (BCS)



Manual chart review is so 1999.

It is time to bring quality measures into

the 21st century with

the power of NLP and

the OMOP Common Data Model.





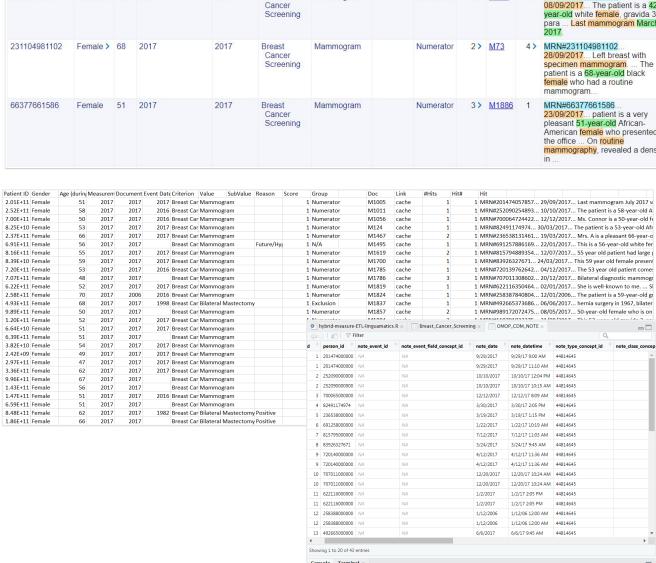
Quality Reporting is Cool.

Take a picture to download more information

Step 1: Extract Unstructured Clinical Data with a NLP Tool

Results Found 43 assertions from 97 [multi query] hits in 58 docs. Examined all 5254 docs. [more details]

Name of the second of



Step 2: Map NLP findings

PatientID
MENSISSTANDES

DIT.

2005-2002

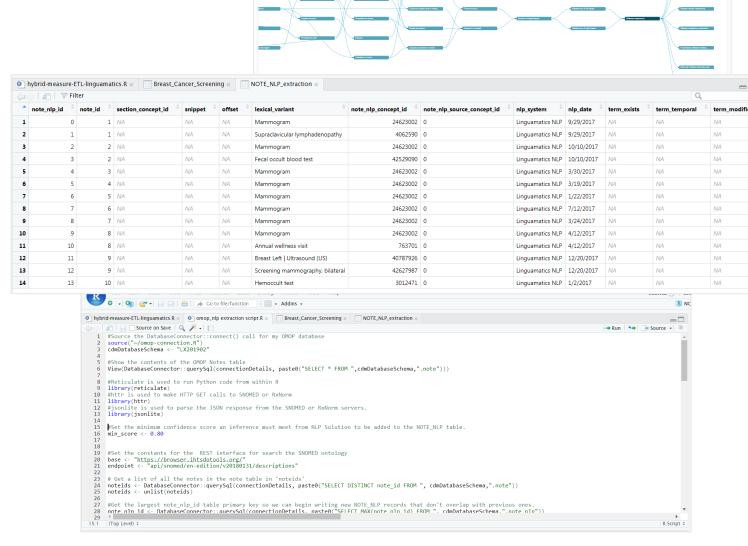
REASON FOR CONSILTATION:
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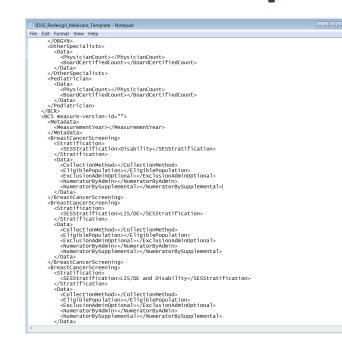
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Step 3: Merge with Clinical Data
Step 4: Generate Reporting XML



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