

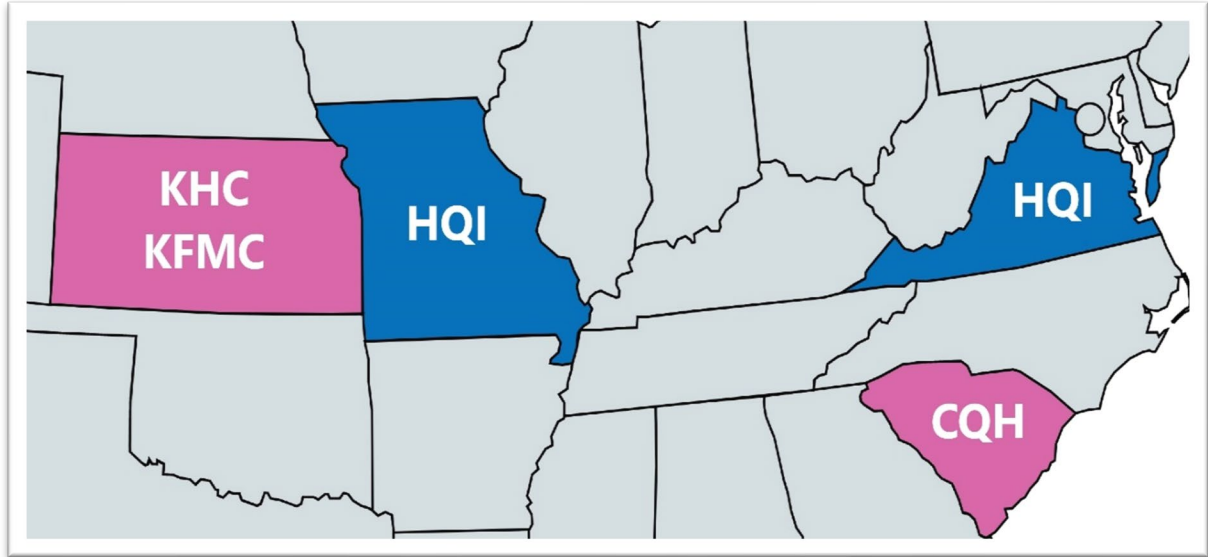


Health Quality Innovation Network

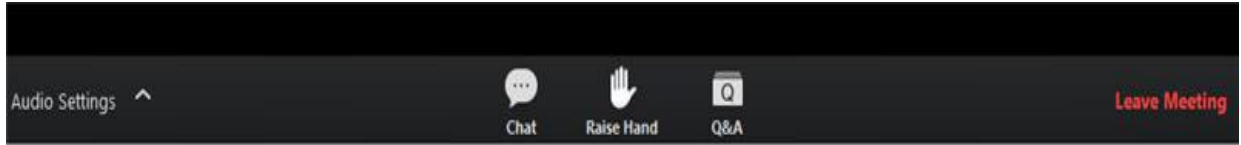
Partnership to Identify Undiagnosed Diabetes and Chronic Kidney Disease Patients

November 14, 2023

Health Quality Innovation Network



Logistics – Zoom Webinar



To ask a question, click on the **Q&A** icon.

Raise your hand if you want to verbally ask a question.

Resources from today's session will be posted in **Chat**.

You may adjust your audio by clicking **Audio Settings**.

You have been automatically muted with video turned off.

Speakers



Vicky Kolar, EMT-P, CPHQ
Quality Specialist
Constellation Quality Health



Linda Fraunhofer, MS
Director, Population Health
Initiatives
Labcorp

Objectives

- Understand how to incorporate lab data within practice quality improvement programming as a tool.
- Discuss LabCorp data and reports that can drive quality improvement programs.
- Conducting root cause analysis (RCAs) and PDSA cycles to connected patients with missed opportunities for diagnosis to appropriate diagnosis.



Considerations that Inspired the Project

- How can we work together to impact chronic disease improvements more effectively?
- What alternate data is timelier to help conduct PDSA cycles?
- Are there different, innovate approaches to impacting chronic disease improvement and outcomes?



Building the Pilot with LabCorp

- Leverage the existing chronic disease lab data
- Pilot integration leveraging both organizations' strengths
 - Robust data reports available to practices
 - Identifying possible gaps in care via lab reports
 - Leveraging quality improvement to close gaps
 - Opportunities to offer education, build workflows, and help conduct root cause analysis (RCAs) and PDSA cycles.
- Value-add for the partnering to conduct the pilot
 - Increased utilization, improved lab requisition documentation, and reducing billing gaps
 - Integration of labs into healthcare quality improvement continuums

Project Plan



Identify Areas for Improvement Opportunities Utilizing Lab Values



We are offering Technical Assistance and workflow support to evaluate your data and processes



Review Existing Data with Labcorp



Develop a project plan starting small an expanding



Set Outcome Goals and Outcome Measures for Chronic Kidney Disease, Diabetes and Hyperlipidemia



We offer Tools, Resources and Technical Assistance Needed for Success of Your Pilot

Labcorp Partnerships for Community Health



LABCORP PARTNERSHIP

Data and analytics

Labcorp enables provider organizations with a unique set of data that includes more than 150 million patient encounters each year and clinical information on 50% of U.S. patients



Population Insights

- Identify & monitor at-risk patients
- Support quality measures
- Assess patient coding



Lab Optimization

- Laboratory Stewardship
- Reduce unnecessary testing expenditures
- Service and productivity reports



Decision Support

- Patient level care insights
- Visibility to out-of-network results
- Point-of-care integration



Community Health

- Community level disease trends
- Localized Antibigrams
- Health equity planning

Labcorp data made available through direct system integrations or Insight Analytics self-service portal

UNLOCK THE VALUE OF LABORATORY DATA



Chronic Disease Surveillance

Develop partnerships and programs at national, regional, state and local levels



Care Access Expansion

Supporting telehealth, clinical research participation and reaching patients where they are



Population Benchmarking

Enable insight into the needs and challenges facing specific communities



Quality Optimization

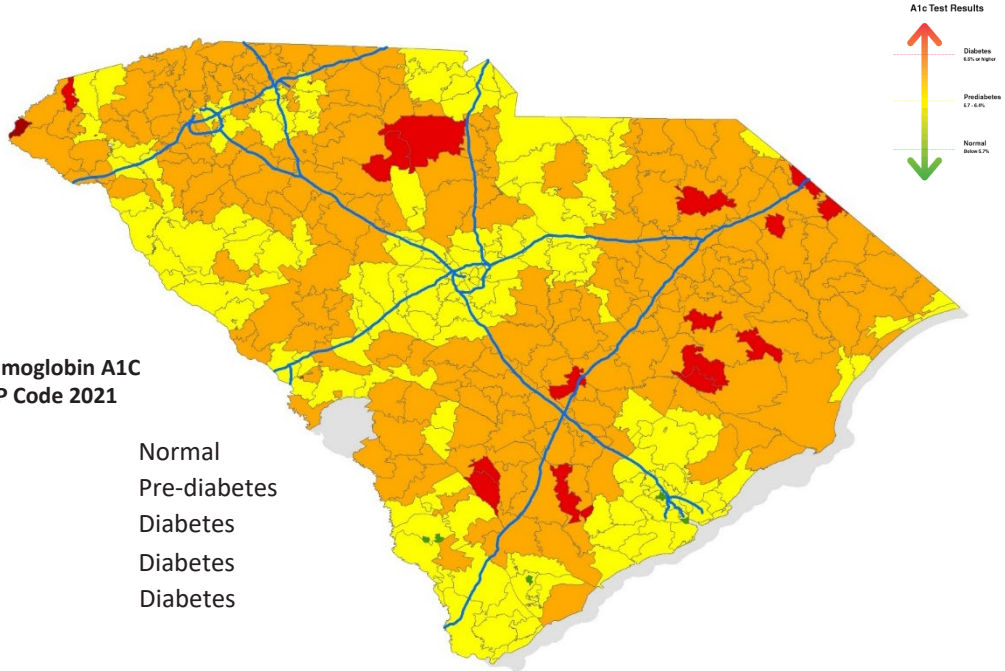
Provide health systems with lab analytics resources to improve quality of care

Labcorp data includes: 150+ million patient encounters annually, 50% of U.S. covered patients and global safety and efficacy data from 100+ countries.

Diabetes in South Carolina Hemoglobin A1C ZIP Level Average (Mean)

Data Overview

Jan 1, 2021 – Dec 31, 2021
~440K HbA1C Results
State Average A1C: 6.48
Average Age of Individuals
Tested: 56



Kidney Function in South Carolina eGFR ZIP Level Average (Mean)

Data Overview

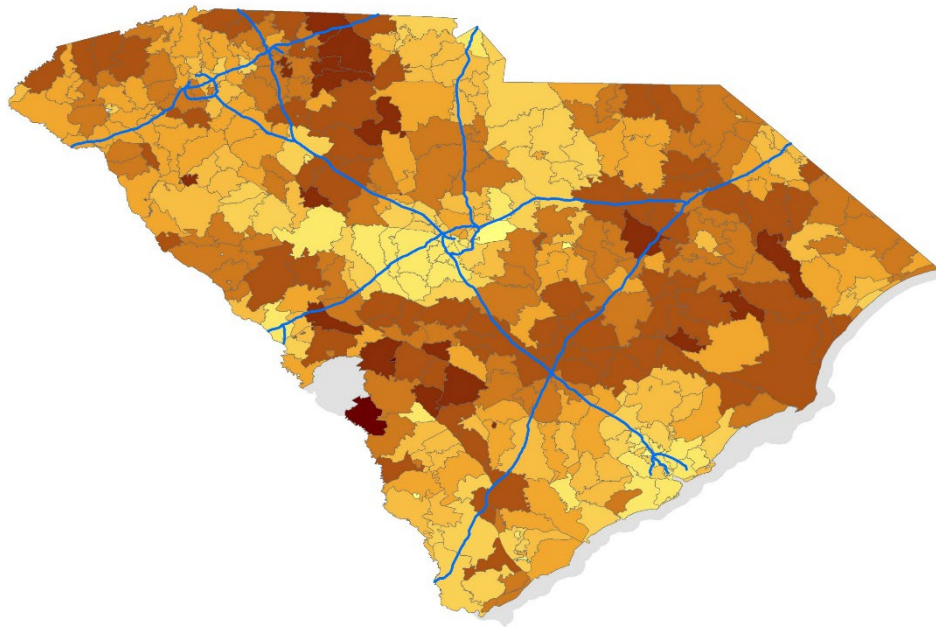
Jan 1, 2021 – Dec 31, 2021

~1.3M eGFR Results

State Average eGFR: 79.44

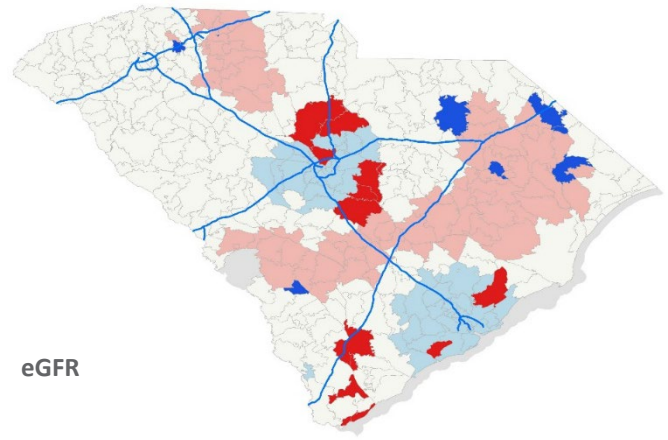
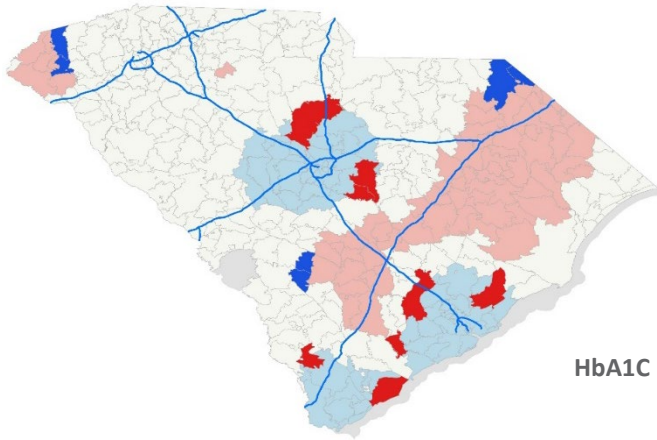
Average Age of Individuals Tested: 56

Mean eGFR
per ZIP Code 2021



Cluster/Outlier Analysis Comparison: Hemoglobin A1C & eGFR

Cluster & Outlier Analysis
Anselin Local Moran's I Statistic



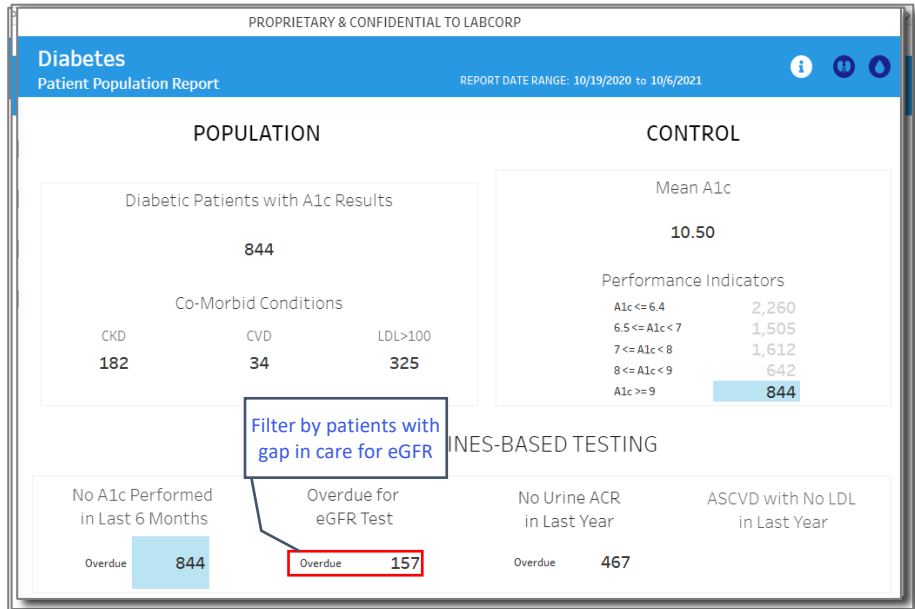
Labcorp can provide prebuilt, lab-based population health analytics as a tool to define targeted opportunities

Interactive population analytics dashboards

- Utilizes Labcorp patient and results data
- Includes built-in filters
- Reveal details when hovering over visuals
- Provide ability to drill down to the provider or patient level
- Available on demand via Labcorp Link portal
- Report options available:
 - Chronic Conditions
 - Lab Stewardship
 - Population Analysis
 - Community Health

Example of Labcorp Insight Analytics™ – Chronic Conditions

Review patient population & target gaps-in-care



Insight Analytics™ with ZIP Code Filter

Companion Reporting to Support Cluster/Outlier Analysis

The ZIP code filter enables assessment of population health metrics and care-gaps in specific communities.

labcorp Diabetes
Provider Population Report

REPORT DATE RANGE: 4/18/2022 to 4/12/2023

Select Filters

Practice Name
[All]

Account Number
[All]

Billable Party
[All]

Payor Name
[All]

Provider
[All]

Patient Zip Code [98204]

Patient Age
23 - 87

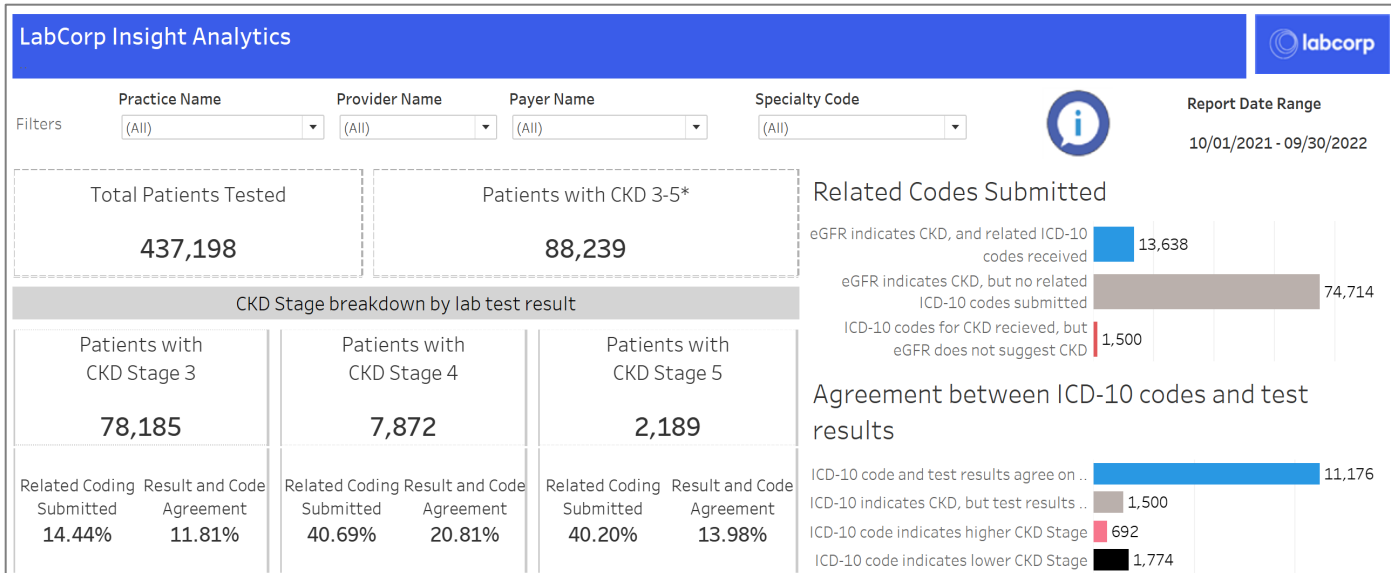
POPULATION			CONTROL	
Diabetic Patients with A1c Results			Mean A1c	
127			7.908	
Co-Morbid Conditions			Performance Indicators	
CKD	CVD	LDL>100	A1c <= 6.4	30
23	3	42	6.5 <= A1c < 7	29
			7 <= A1c < 8	29
			8 <= A1c < 9	8
			A1c >= 9	31
CARE GAPS: GUIDELINES-BASED TESTING				
No A1c Performed in Last 6 Months	Overdue for eGFR Test	No Urine ACR in Last Year	ASCVD with No LDL in Last Year	
Overdue 46	Overdue 6	Overdue 93		

Everett ZIP Code 98204

Analytics to support accurate ICD-10 coding



Gaps-in-care can also be associated with inaccurate ICD-10 coding¹
 Insight Analytics uses lab-data powered dashboards to highlight and monitor comparison
 between ICD-10 codes and test results.



1. Horsky, J., Drucker, E. A., & Ramelson, H. Z. (2017). Accuracy and completeness of clinical coding using ICD-10 for ambulatory visits. In AMIA annual symposium proceedings (Vol. 2017, p. 912). American Medical Informatics Association

Analytics to support accurate ICD-10 coding (cont.)



Gaps-in-care can also be associated with inaccurate ICD-10 coding¹
 Insight Analytics uses lab-data powered dashboards to highlight and monitor comparison between ICD-10 codes and test results.

LabCorp Insight Analytics

Test result and ICD-10 Comparison Report



Filters: Practice Name (All), Provider Name (All), Payer Name (All), Specialty Code (All), Report Date Range: 10/01/2021 - 09/30/2022

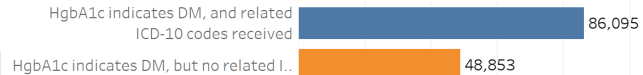
Total Patients Tested

639,055

Patients with Diabetes

130,548

Related Codes Submitted



Diabetes breakdown by lab test results

Diabetes without Complications

110,042

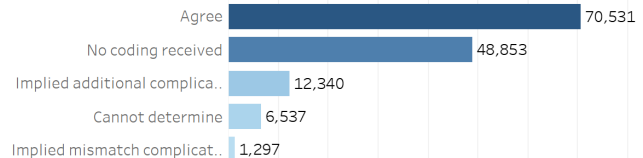
Diabetes with Chronic Complications

20,934

Related Coding Submitted: 63.11%
 Result and Code Agreement: 62.02%

Related Coding Submitted: 69.70%
 Result and Code Agreement: 11.24%

Agreement between ICD-10 codes and test results



Select Interpretation Grouping above to see Detail

1. Horsky, J., Drucker, E. A., & Ramelson, H. Z. (2017). Accuracy and completeness of clinical coding using ICD-10 for ambulatory visits. In AMIA annual symposium proceedings (Vol. 2017, p. 912). American Medical Informatics Association

Project Workflow

Verify the patient attribution

Verify the attributed patient is on the patient panel

Review and reconcile diagnosis in EHR

Is the lab report/result in the patient's chart?
Is the diagnosis in the patient's chart?

-- If yes, opportunity for training on workflows and proper documentation

-- If no, move to the next step

Diagnosis and treat

Work with clinical team to diagnosis and develop treatment plan for patient

Conduct an RCA for missed opportunity

Conduct PDSA to prevent further gaps in the future

Technical Assistance Offerings

Reconciliation
Assistance

Workflows

Root Cause
Analysis
Assistance

PDSA
Cycles

Education

Educational Offerings

- Proper documentation
- Lab Requisition procedures
- Diagnosing best practices
- Lab resulting procedures
- EHR alerting systems
- EHR order sets
- Change package implementation

Questions?





Health Quality Innovation Network

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