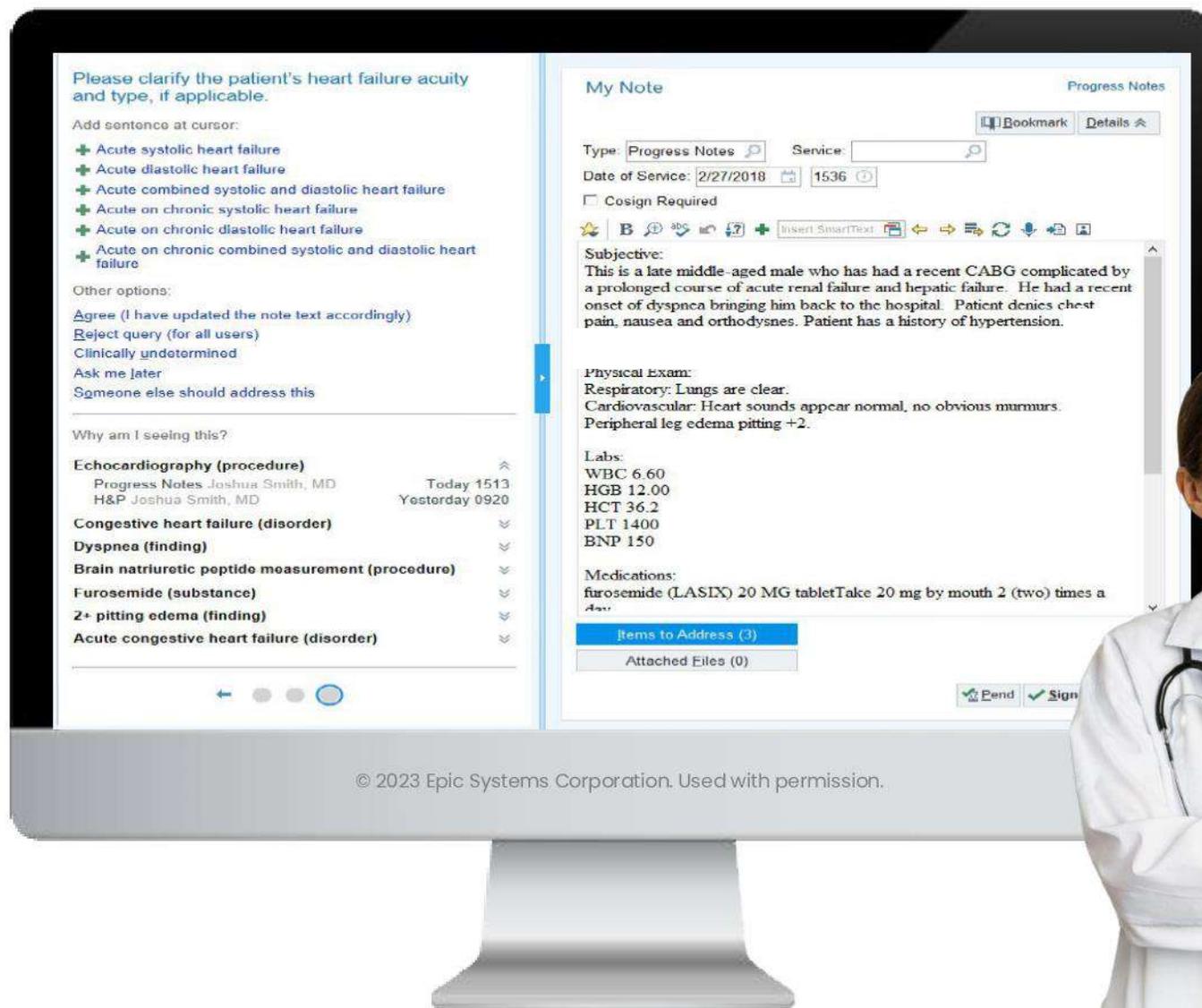


# CAPD360 Insight For NoteReader CDI

## Computer-Assisted Physician Documentation



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### Present

- Present queries as soon as possible while case details are still top of mind

### Remain

- Remain completely in Epic so providers don't need toggle between screens

### Ensure

- Ensure queries are clinically justified and compliant without over-prompts

### Allow

- Allow query logic & workflow to be customized

### Cover

- Cover Revenue, Risk and Quality Sensitive Diagnoses





# Physician Workflow with CAPD360

## Epic-Integrated Tools



**Greater Physician Engagement**

**Doctor Gets Prompt in EHR**

**Concurrent Documentation**  
**(while they are documenting)**

**Diagnosis In the Visit note**

- 321% query compliance before discharge
- >120 CC/MCC/HCC/Quality Queries
- 50% Fewer Denials due to Changed Doc
- Proven 3% Revenue Increase

## Manual or No Concurrent System (without HITEKS)



**Current Inefficient Process**

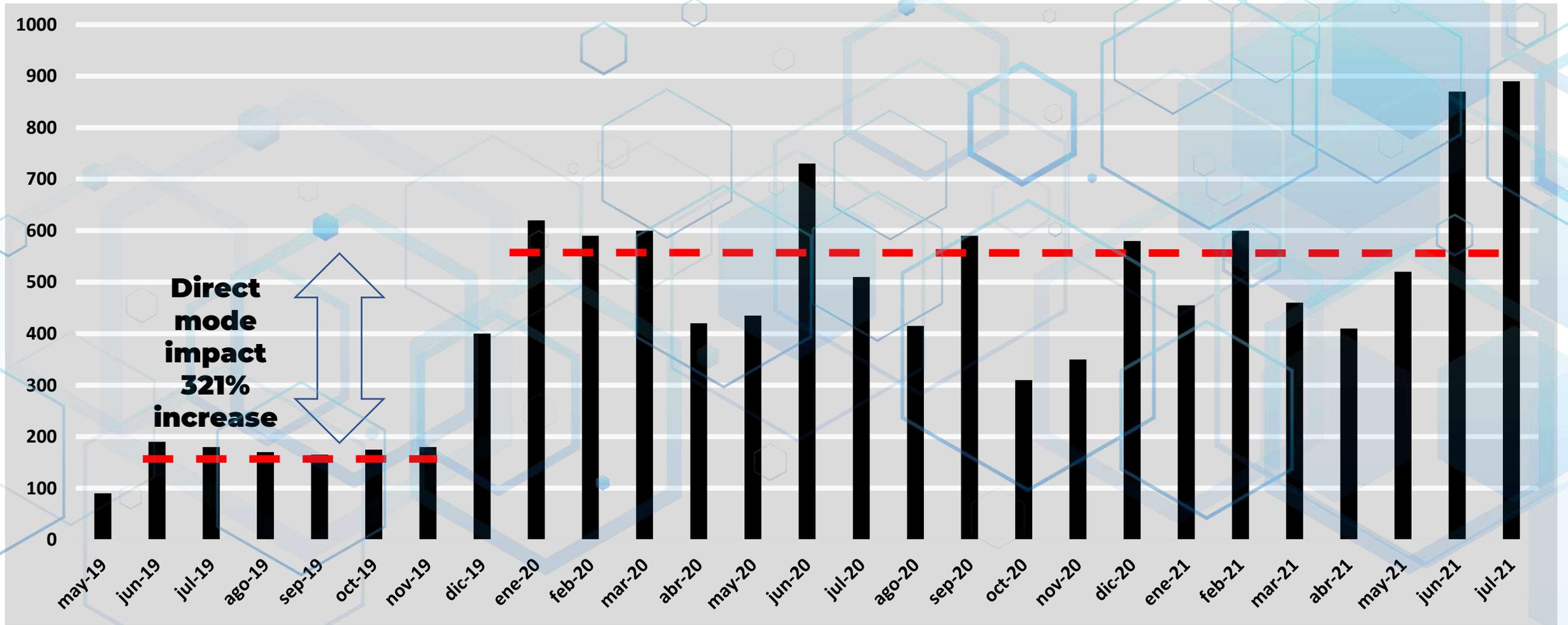
**Manual Query Process**

**Post-hoc documentation**  
**Manual follow-up required**

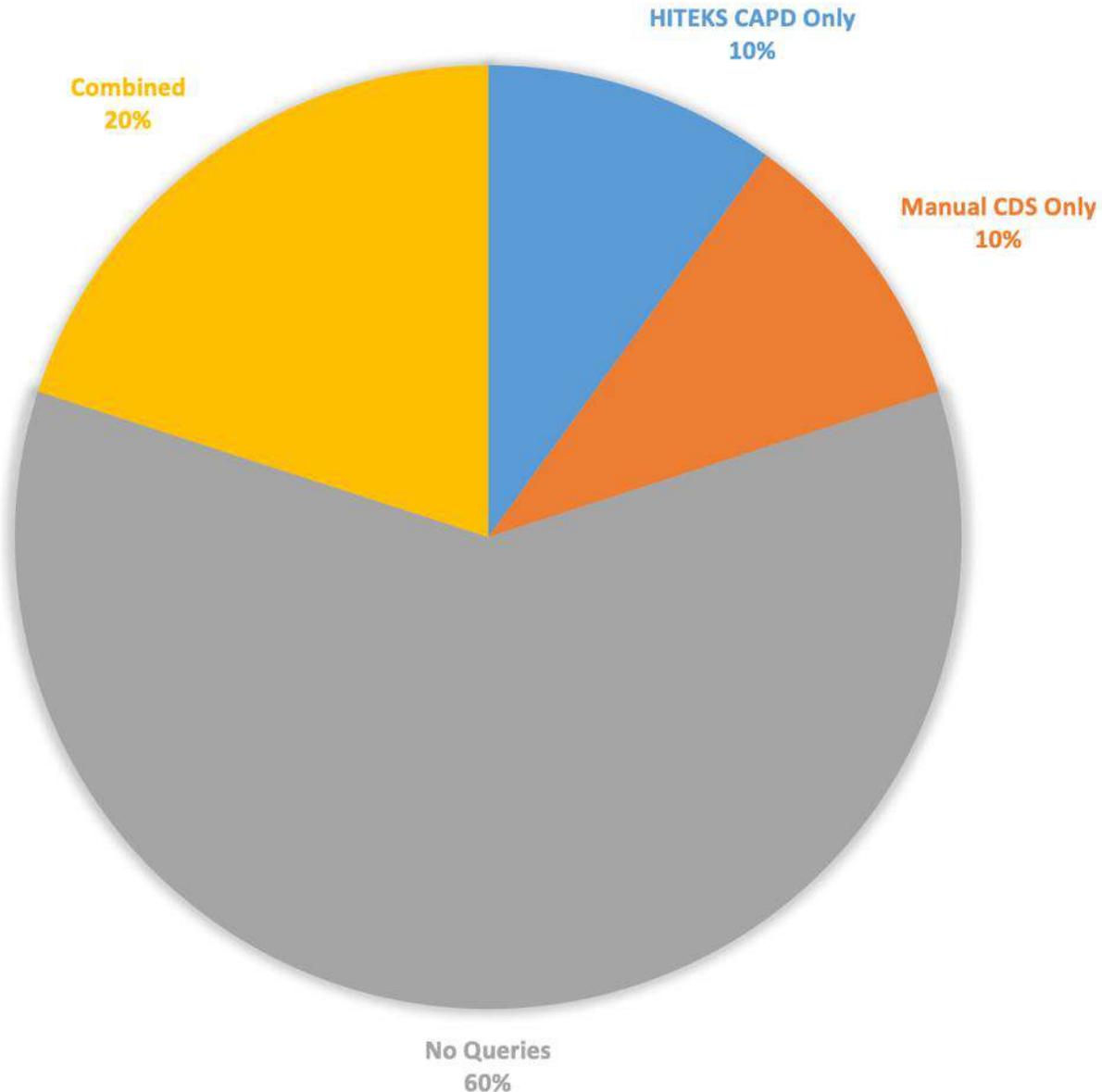
**Diagnosis added to the addendum form**

- Payer denials
- Lost Physician time
- Delayed and Reduced Revenue Cycle
- Missed capture of Chronic Diagnoses

# 3x Greater Physician Response to Queries before Discharge



# Revenue Opportunities



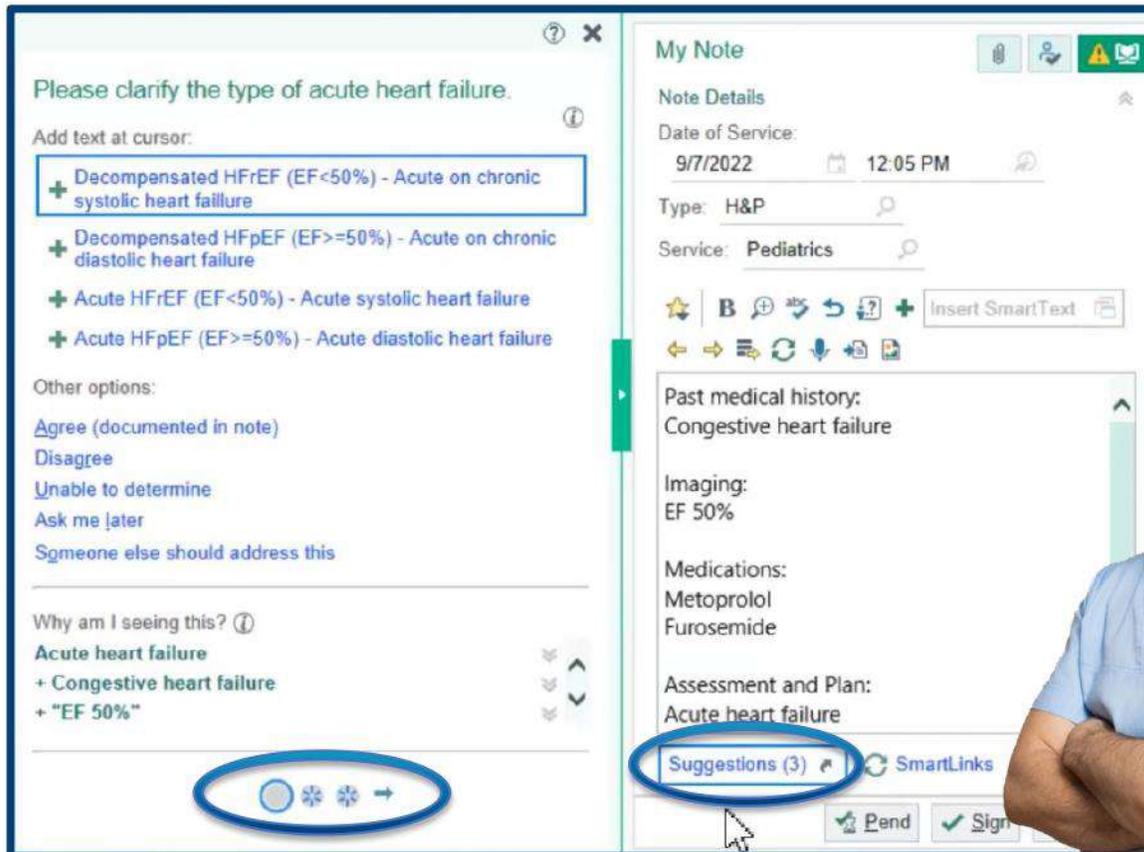
- The sooner the physician receives a query, the sooner and more accurately they are to respond
- Revenue increases are 3% per queried account (~30%) = ~\$10,000 per inpatient bed
- All HITEKS clients have their Medicine CMI > 50% nationally

# ▶ Epic's Gold Standard CDI Workflow App



Epic's ONLY Embedded Note Editor within the EHR note screen

Complete provider documentation for quality rankings & compliant reimbursement



# Realize the Power of Concurrent, Proactive CDI



## Embedded Editor



**My Note**

Note Details

Date of Service: 9/7/2022 12:05 PM

Type: [Red exclamation mark icon]

Service: Pediatrics

[Rich text editor toolbar with icons for bold, italic, link, unlink, list, indent, outdent, undo, redo, help, insert smart text]

Past medical history:  
Congestive heart failure

Imaging:  
EF 50%

Medications:  
Metoprolol  
Furosemide

Assessment and Plan:  
Acute heart failure

Analyze Note [SmartL icon]

[Pend icon]

Analyzing Note

[Progress bar showing approximately 25% completion]

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## Care Team Mode



# Embedded, Direct & Silent Modes



## Embedded Direct Mode

Presented to Individual Providers with notification under their Note (not via inbasket/email)

Uses Note side-bar: Query Title, Suggestions & Evidence

Reduce denials from changed documentation  
Reduce overall query burden

## Care Team Direct Mode

Presented to all Providers of Record for Signed Notes

Uses Preferred Screens: Note Side-bar, To-Do List, Patient List

Increase responses by providers before discharge by 321%

## Impact on Query Burden

**Burden on individual physicians reduced**

**Answering Queries is intuitive and takes seconds**

**Note Editor Feature reduces denials, speeds final coding**

## HCC, MS-DRG, MS-DRG Base, APR Base, APR SIO/ROM Impact



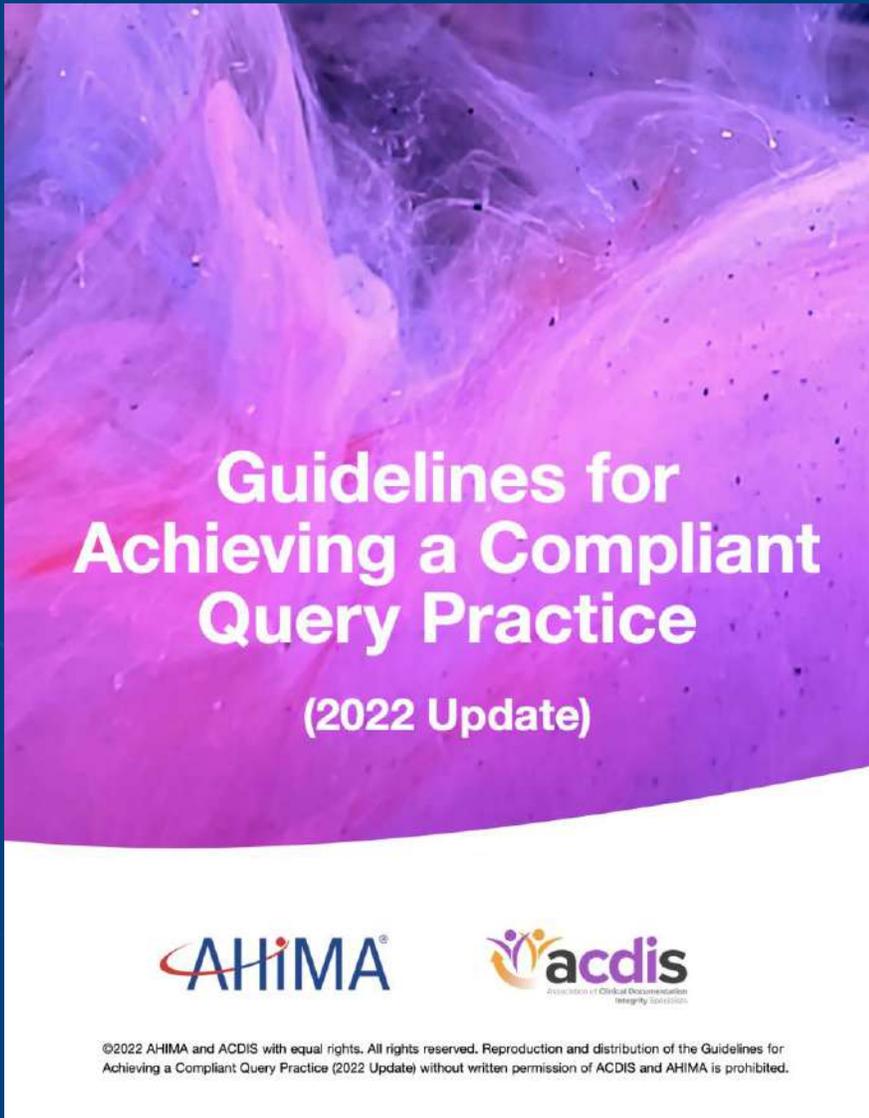
Abdominal Pain	Acute COPD/Asthma	Hypomagnesemia
Abnormal CXR on Antibiotic	Cor Pulmonale	Hyponatremia
Acidosis	Debridement	Hypophosphatemia
Acute Blood Loss	Diabete Mellitus Hyperglycemia	Incision and drain
Acute Heart Failure	Diabetic Hyperosmolarity	Malignant Hypertension
Acute Hypercapnic Respiratory Failure	Diabetic Ketoacidosis	Nicotine Withdrawal
Acute Hypoxic Respiratory Failure	Drug Overdose	Pneumonia Specificity
Acute Myocardial Infarction	DVT	Pulmonary Embolism POA
Acute on Chronic Diastolic Heart Failure	Dysphagia Phase	Respiratory Failure
Acute on Chronic Systolic Heart Failure	Elevated lactate with Sepsis (Severe Sepsis)	Sepsis
Acute Respiratory Failure	Elevated Troponin	Sepsis with specific sources of infection
Acute tubular necrosis	Fracture	Shock
AIDS/HIV	Gastroenteritis	Simple Pneumonia
ARDS	Hepatic Failure Severity	SIRS
Asthma Severity	HIV - Symptomatic/Asymptomatic	Spinal Cord Edema
Acute Asthma/COPD	Hypercalcemia	Thiamine Deficiency
Atrial Fibrillation	Hyperkalemia	Thrombocytopenia
Bowel Obstruction	Hypernatremia	Uncontrolled diabetes
Child Abuse	Hyperphosphatemia	Urosepsis
Chronic Heart Failure Type	Hypertension	UTI
Coma	Hypocalcemia	UTI Linkage to catheter
Complex Pneumonia	Hypokalemia	

## Elixhauser-Focused Queries



Anemia - Macrocytic	Lymphoma
Anemia - Microcytic	Malnutrition
Brain Hemorrhage	Metabolic Encephalopathy
Cause of Delirium	Midline Shift
Cerebral Edema	Mild/Moderate Malnutrition
Chronic Kidney Disease	Morbid Obesity >35+ & >40
CVA	Obesity BMI>30
Cause of Delirium	Pancytopenia
Drug induced hemorrhage disorder	Portal Hypertension
Encephalopathy	Pulmonary Embolism Specificity
End-Stage Renal Disease	Pulmonary Hypertension
Fluid Overload	Right Heart Failure Etiology
GI Bleeding + Ulcer	Septic Encephalopathy
Hepatic Encephalopathy/Failure	Severe Malnutrition
Hfpef with EF >=50%	Solid Cancer
Hfref with EF<50%	Subdural Hemorrhage/Hematoma
Hypertensive Encephalopathy	Toxic Encephalopathy
Hypothyroidism	Uncontrolled diabetes
Immobility Status	Underweight
Leukemia	

# Compliant Query Practices\* Followed by HITEKS



- 1) All queries are memorialized
- 2) Query titles and suggestions are not leading
- 3) Query formats follow the Guidelines
- 4) Provider queries include relevant clinical indicator(s)
- 5) Undocumented diagnoses are not specifically suggested
- 6) Choices provided as part of the query reflect patient-specific conclusions
- 7) Prior information from other encounters is limited
- 8) Links are provided to access the clinical indicators.
- 9) Impact on reimbursement, payment methodology, quality metrics or severity of illness are not indicated in the query process

# Advanced Configurable Knowledge Base

- **Query logic is configurable:**

- 1. Supports changes within minutes**

- Findings, medications, vitals, labs & text strings
- Specifies note section (e.g. Imaging)
- Vitals and labs are gender and age range specific

- 2. Query prompt, subject title**

- 3. Includes a library of query templates**

- 4. Enables changes to HITEKS' foundation build query templates**

- 5. Allows new, client-specific & compliant queries**



# PowerBI Reporting Dashboard: Query Summary



Mode

Multiple selections



Total Query Count

10,821

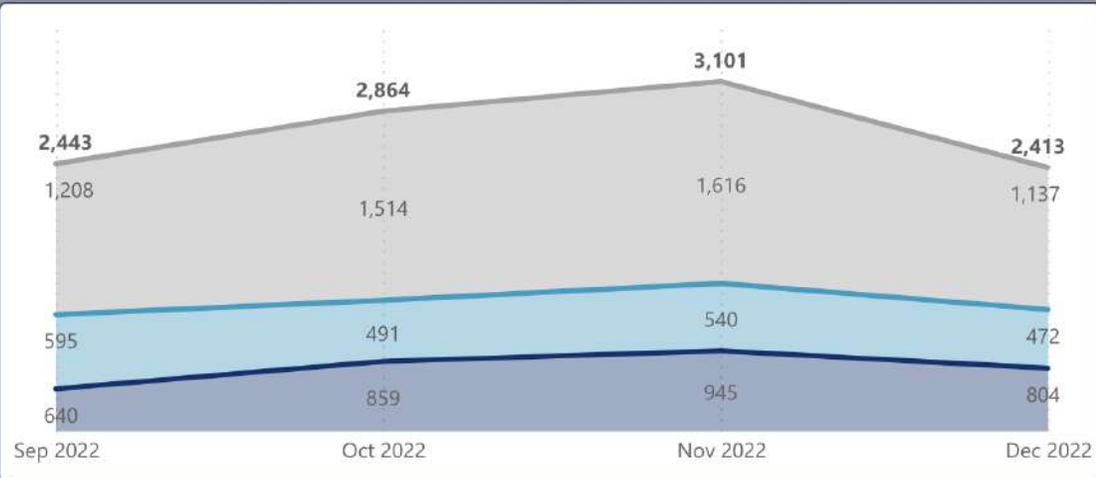
Active Rate



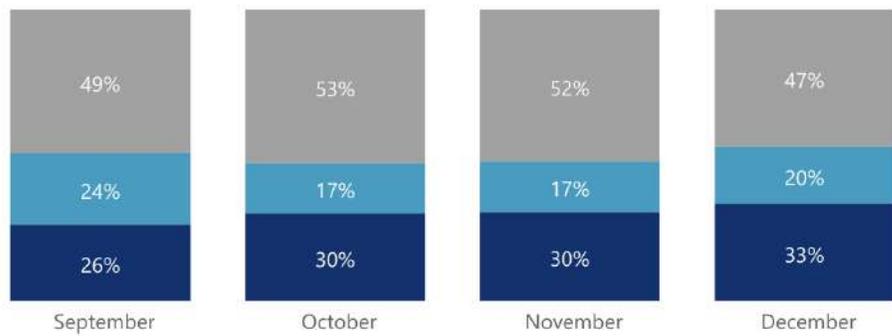
Satisfied Rate



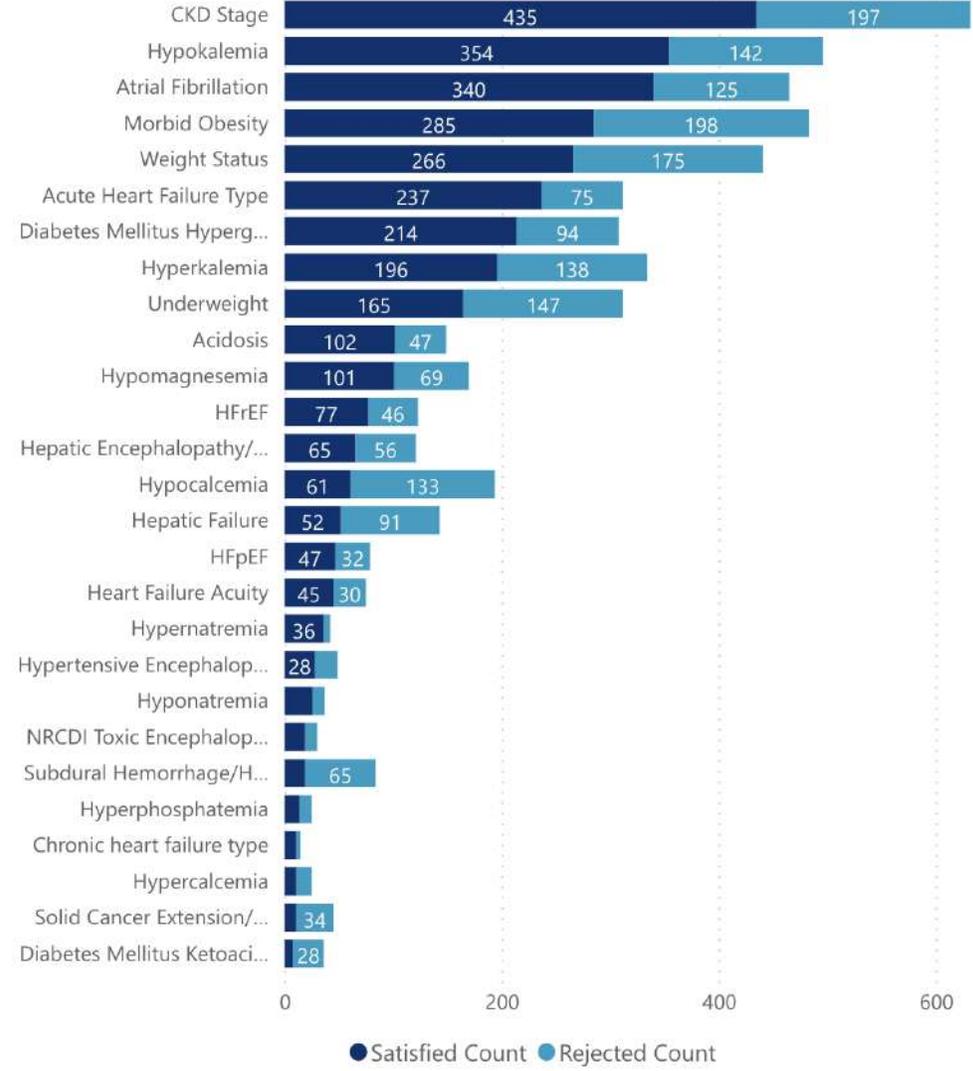
Rejected Rate



● Satisfied Rate ● Rejected Rate ● Active Rate



Created Month

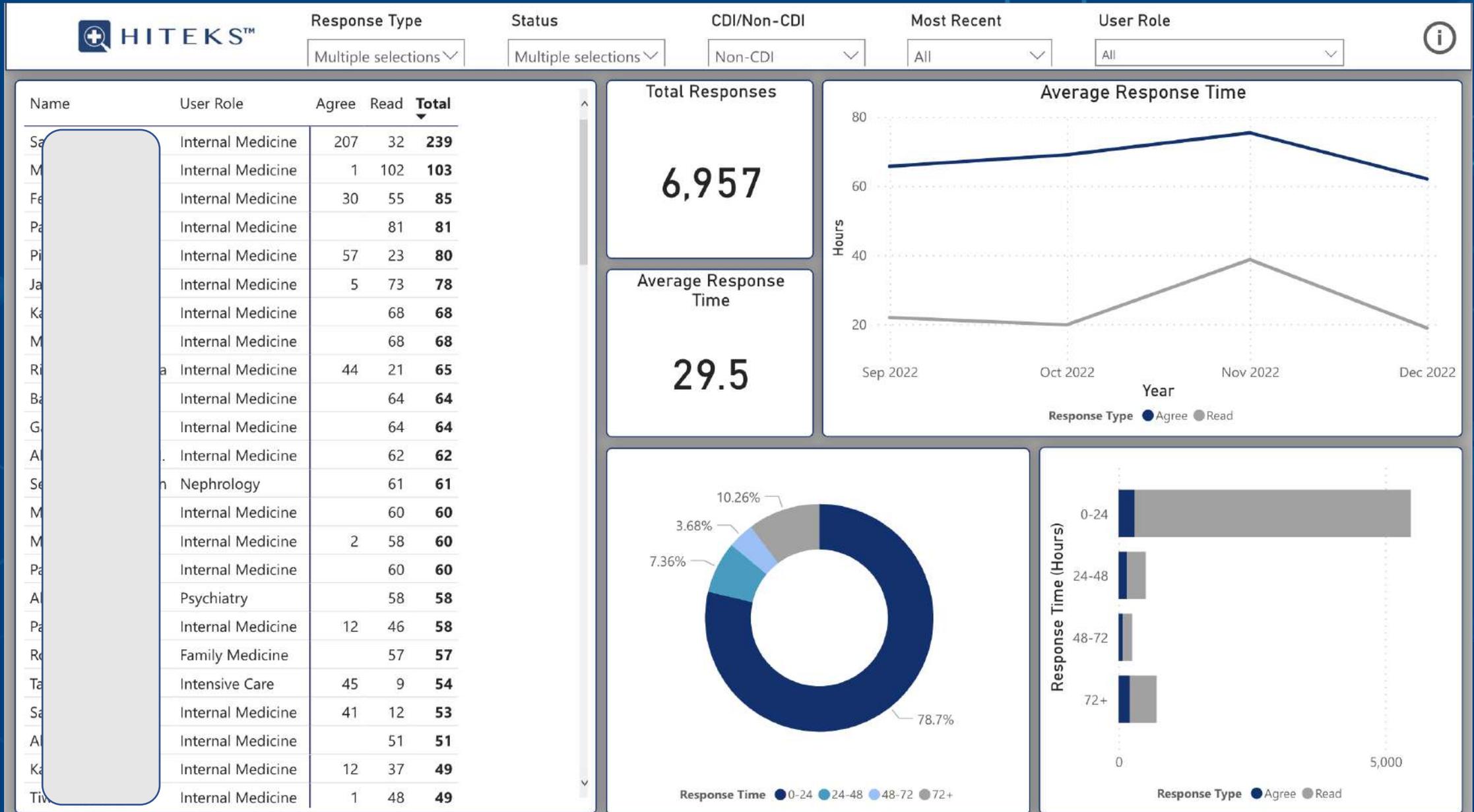


● Satisfied Count ● Rejected Count

# PowerBI Reporting Dashboard: Response Summary



# PowerBI Reporting Dashboard: Response Times



# The HITEKS Difference

1. 100% Proactive vs Reactive to boost CMI & Revenues
2. Over 120 query customizable query templates
3. Real-time, fully formed autonomous and compliant
4. Embedded in Epic workflow
5. Proven reduction in provider burden and response
6. No additional software or hardware

# Thank You



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