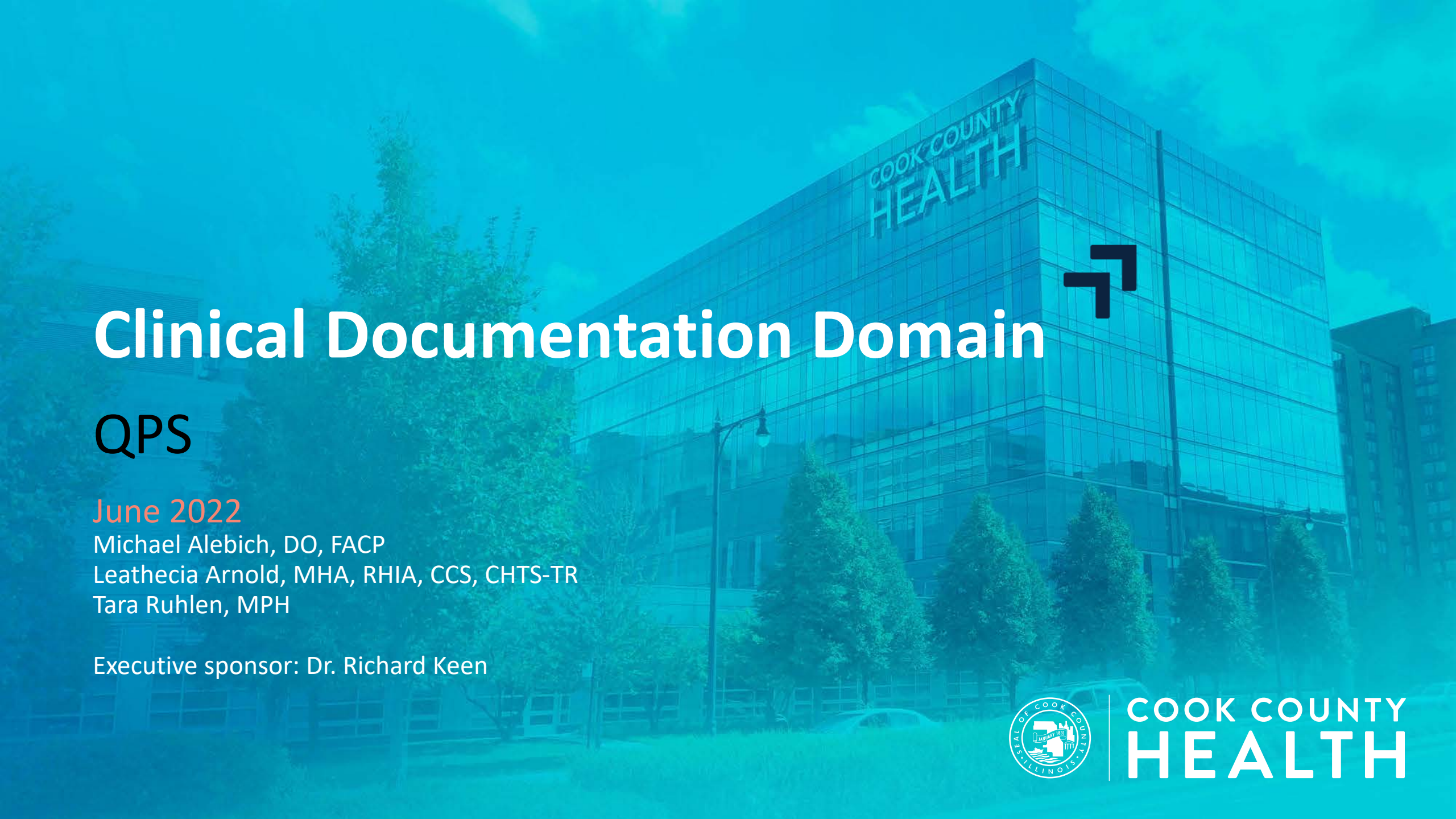


Clinical Documentation Domain

QPS

June 2022

Michael Alebich, DO, FACP
Leathecia Arnold, MHA, RHIA, CCS, CHTS-TR
Tara Ruhlen, MPH

Executive sponsor: Dr. Richard Keen

COOK COUNTY HEALTH

Aim

Improve Institutional Case Mix Index (CMI)

COOK COUNTY HEALTH

Background: Methods to Increase CMI

- Twofold approach:
  - Education at the divisional level
  - Clinical documentation improvement (CDI) specialists query providers

- Progress since last HRO cycle:
  - Presentations to attending staff: hospital medicine, cardiology, pulmonary and critical care, trauma surgery
  - Integration of medical consultant with vascular surgery and orthopedic surgery

Metrics: Goals to Accomplish Our Aim

- Total CMI: 1.753
- Medical CMI: 1.246
- Surgical CMI: 3.06
- Capture Rate: 75th percentile of the Vizient workgroup

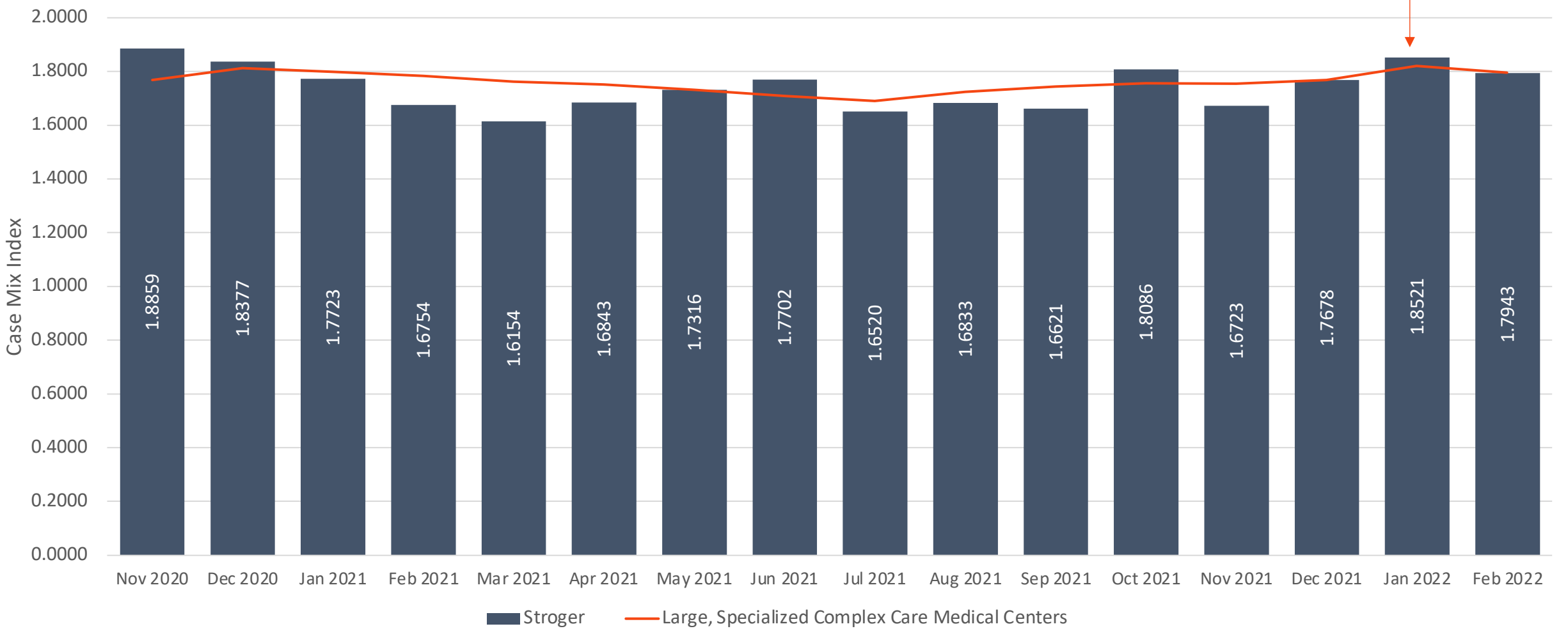
Progress Toward the Aim

Data from the Vizient workgroup

COOK COUNTY HEALTH

Case Mix Index

Overall

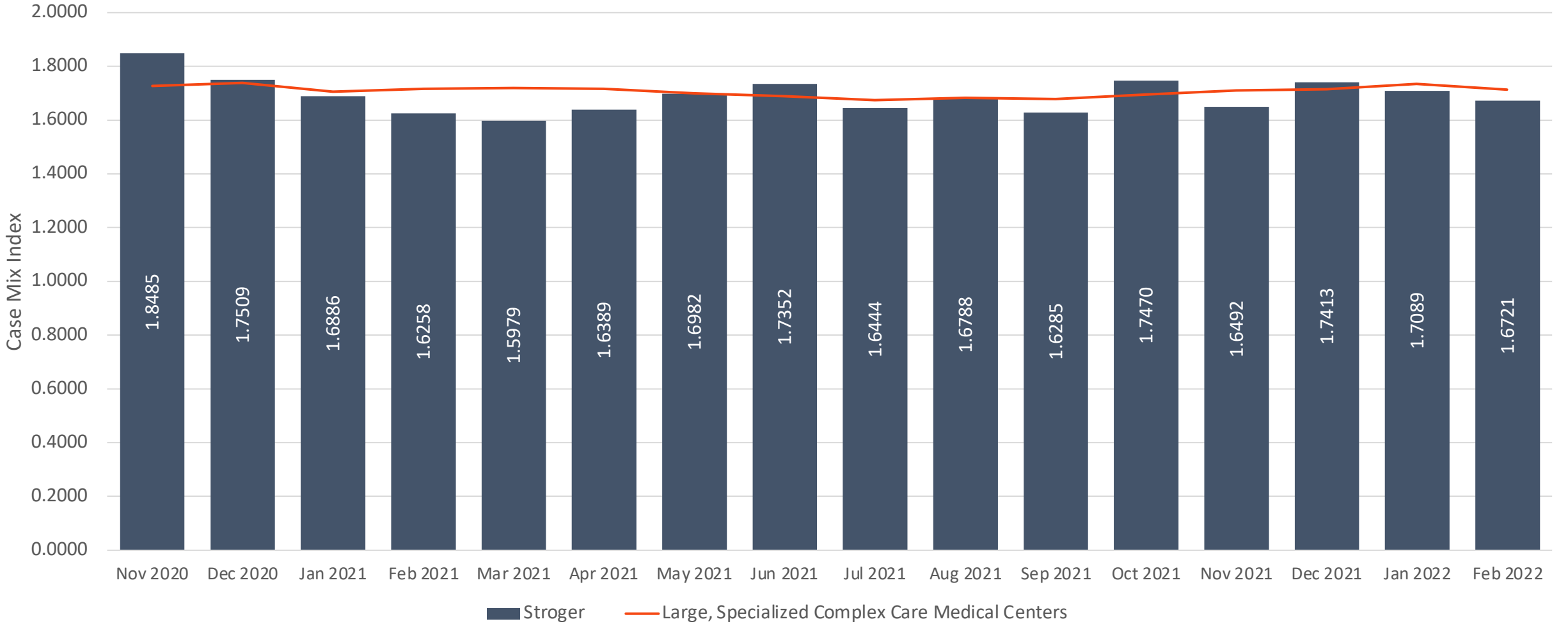


COOK COUNTY HEALTH

Data Source: Vizient Clinical Data Base
Preliminary Data: January and February 2022

Case Mix Index

Non-COVID19 Cases

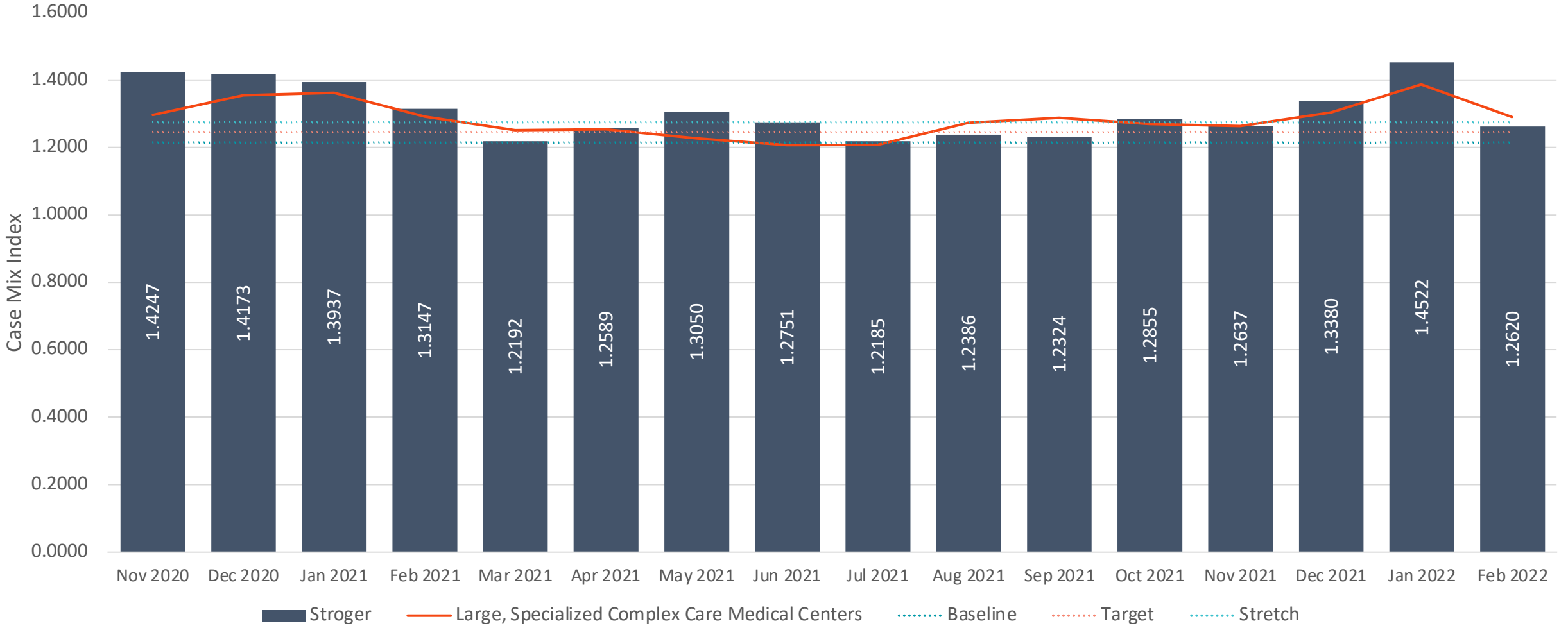


COOK COUNTY HEALTH

Data Source: Vizient Clinical Data Base
Preliminary Data: January and February 2022

Case Mix Index

Medical MS-DRG

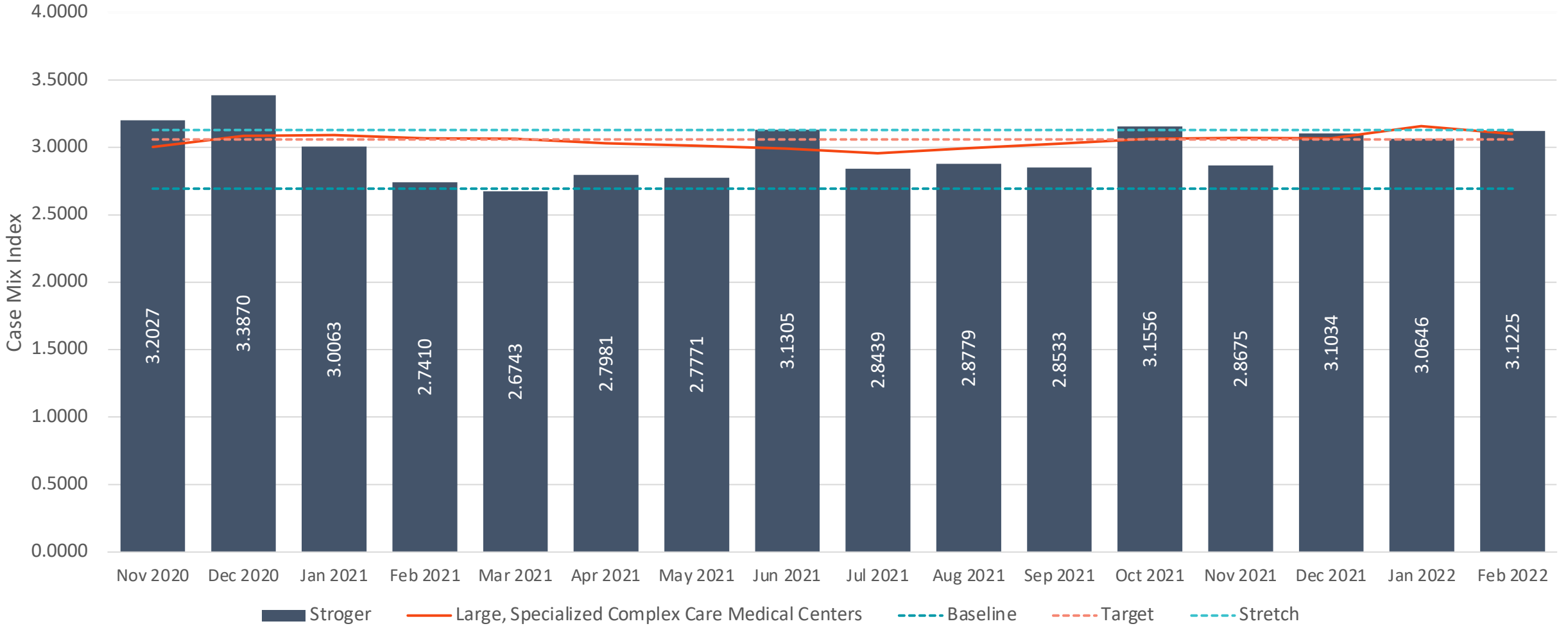


COOK COUNTY HEALTH

Data Source: Vizient Clinical Data Base
Preliminary Data: January and February 2022

Case Mix Index

Surgical MS-DRG



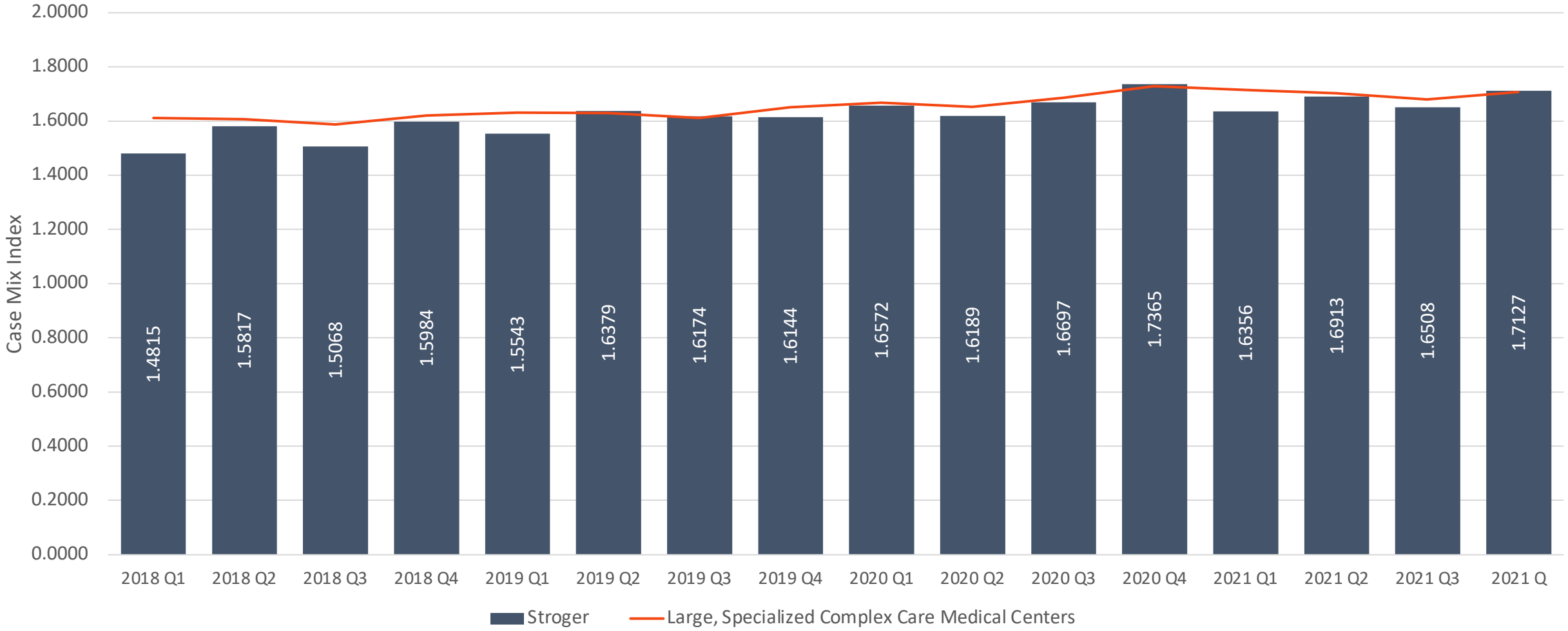
COOK COUNTY HEALTH

Data Source: Vizient Clinical Data Base
Preliminary Data: January and February 2022

Expanded Quarterly Case Mix Index

Non-COVID

2018 Q1 to 2021 Q4
15.6% improvement
in case mix index

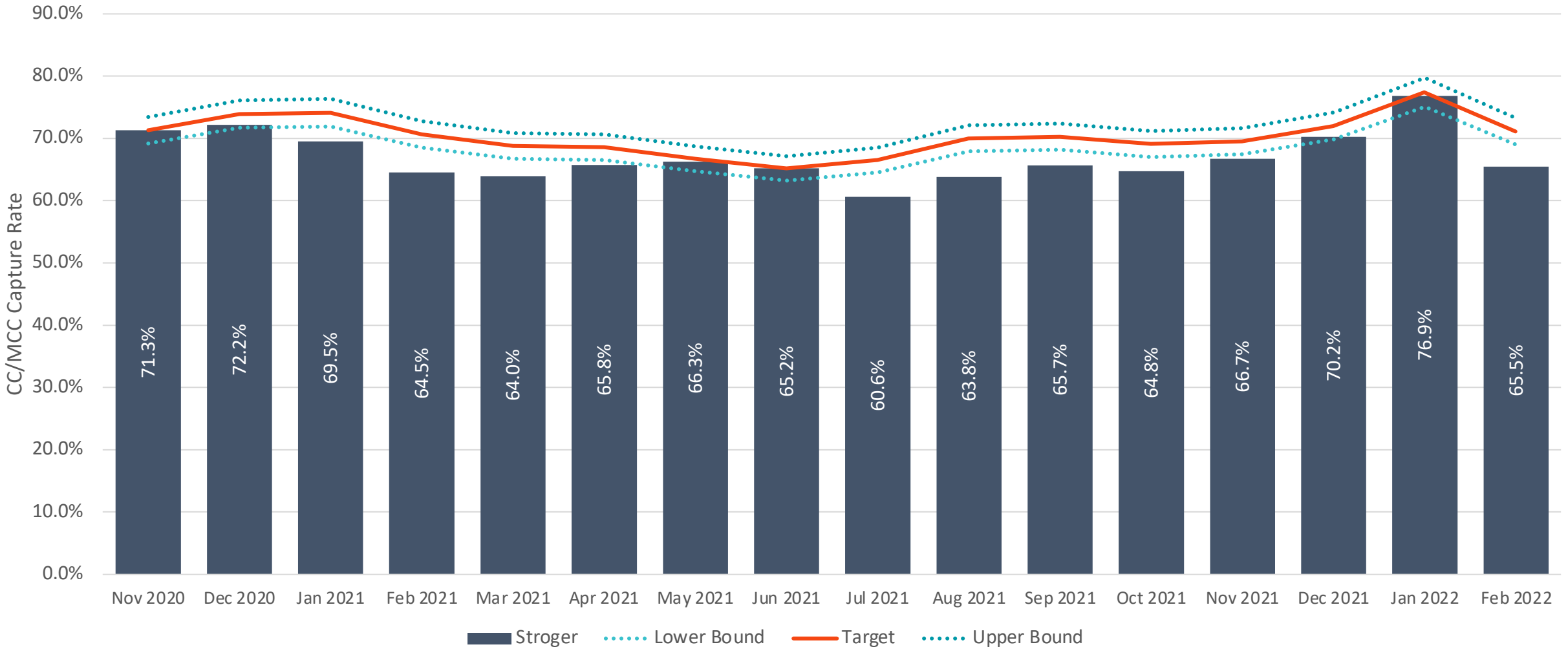


COOK COUNTY HEALTH

Data Source: Vizient Clinical Data Base
Preliminary Data: November and December 2021

CC/MCC Capture Rate

Medical MS-DRG

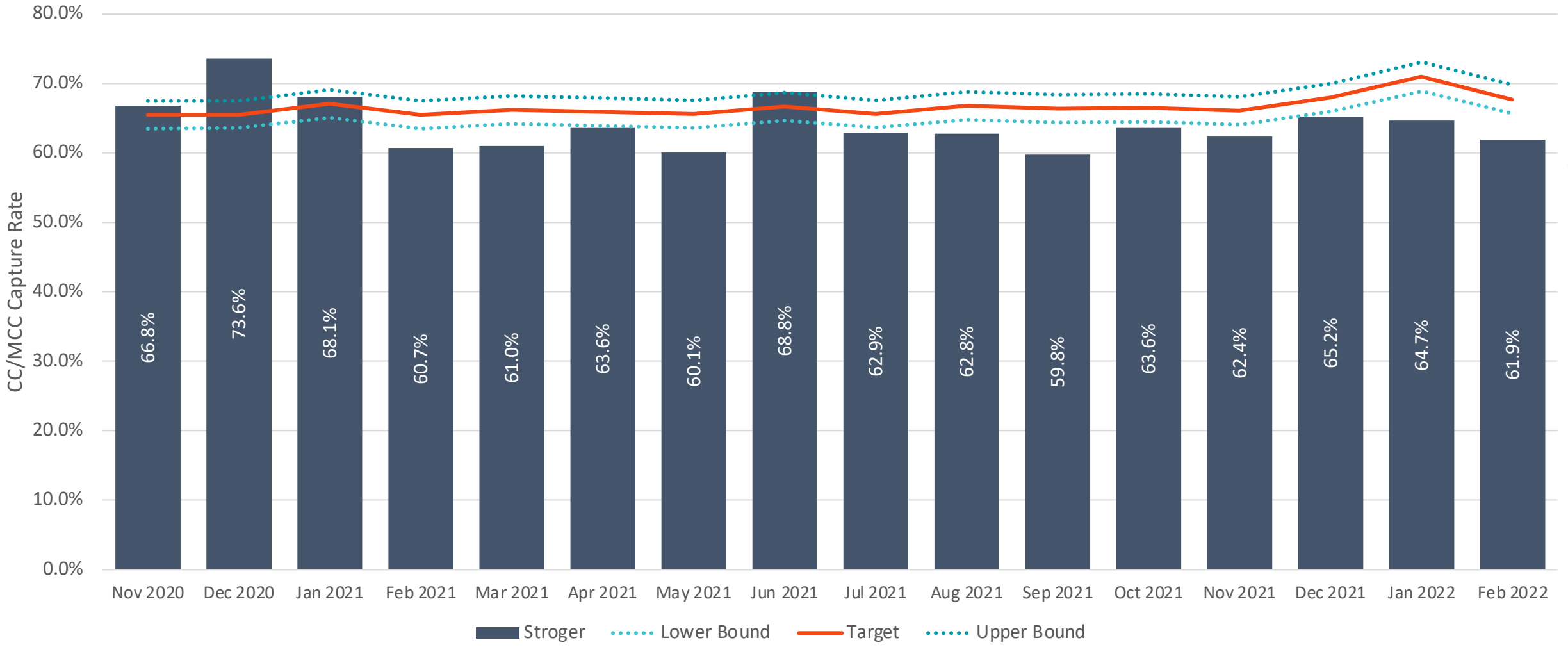


COOK COUNTY HEALTH

Data Source: Vizient Clinical Data Base
Target Range: ± 3% of 75th Vizient Percentile
Preliminary Data: January and February 2022

CC/MCC Capture Rate

Surgical MS-DRG

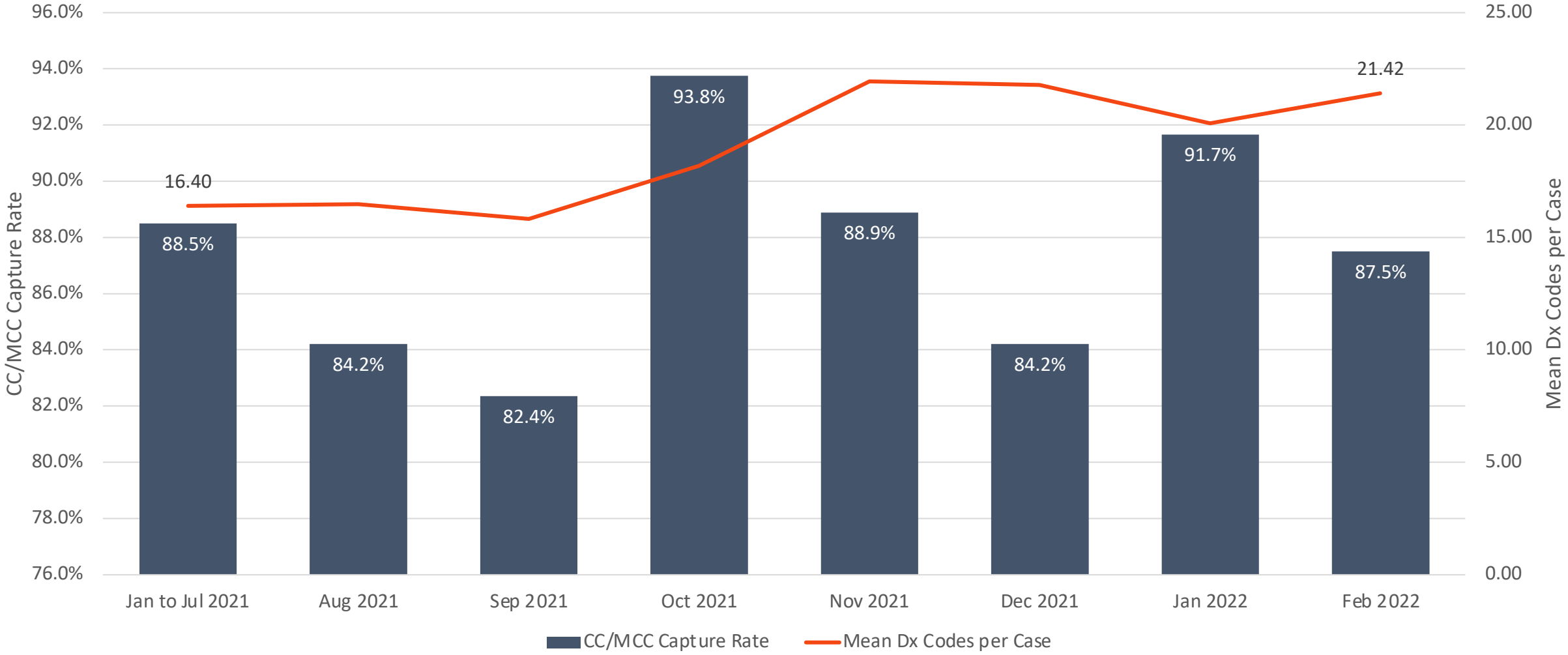


COOK COUNTY HEALTH

Data Source: Vizient Clinical Data Base
Target Range: ± 3% of 75th Vizient Percentile
Preliminary Data: January and February 2022

CC/MCC Capture Rate and Mean Diagnoses Codes

Vascular Surgery



COOK COUNTY HEALTH

Data Source: Vizient Clinical Data Base

Summary of 2021 (calendar year)

	Goal	Actual
Hospital CMI	1.753	1.7079
Medical CMI	1.246	1.2787
Surgical CMI	3.06	2.9016
Medical Capture Rate	75th percentile Vizient Mean	Met 2/12 months
Surgical Capture Rate	75th percentile Vizient Mean	Met 2/12 months

Impressions and Future Directions

1. Medical DRGs consistently meet, and often outperform, set goals
2. Surgical DRGs inconsistently meet goals, but improving
3. Capture rates (of mostly medical issues) integral to increasing surgical and therefore institutional CMI
4. CDI specialists and medical-surgical collaboration are essential
5. Consider further medical-surgical collaboration resource allocation

Thank You

Questions?

COOK COUNTY
HEALTH