

2022



STRONGER

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# Bundled Interventions: The Answer to High Resource Utilization?

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# Learning Objectives

- Identify key interventions that led to improved mortality, LOS, and 30-day readmissions.
- Understand patient-specific needs and challenges that that these key interventions addressed.



# Bundled Interventions: The Answer to High Resource Utilization?

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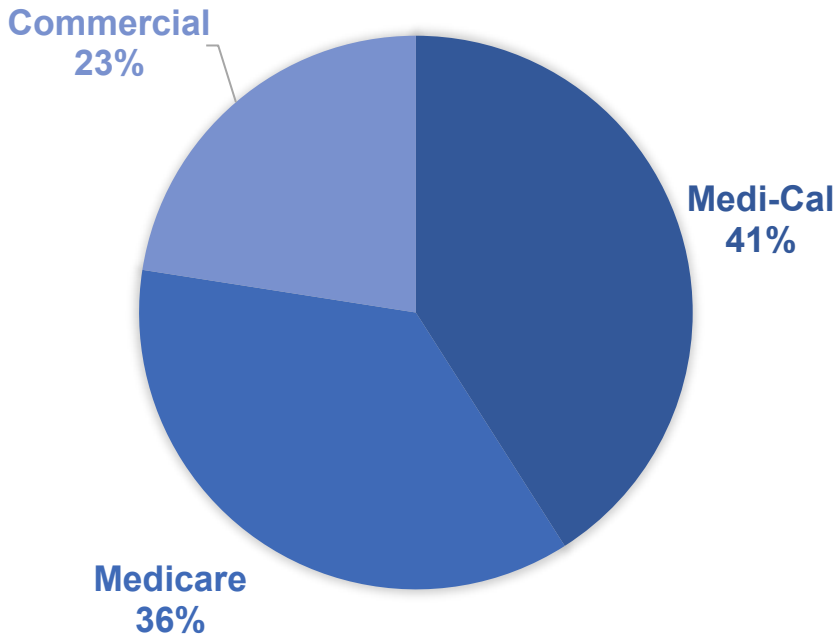
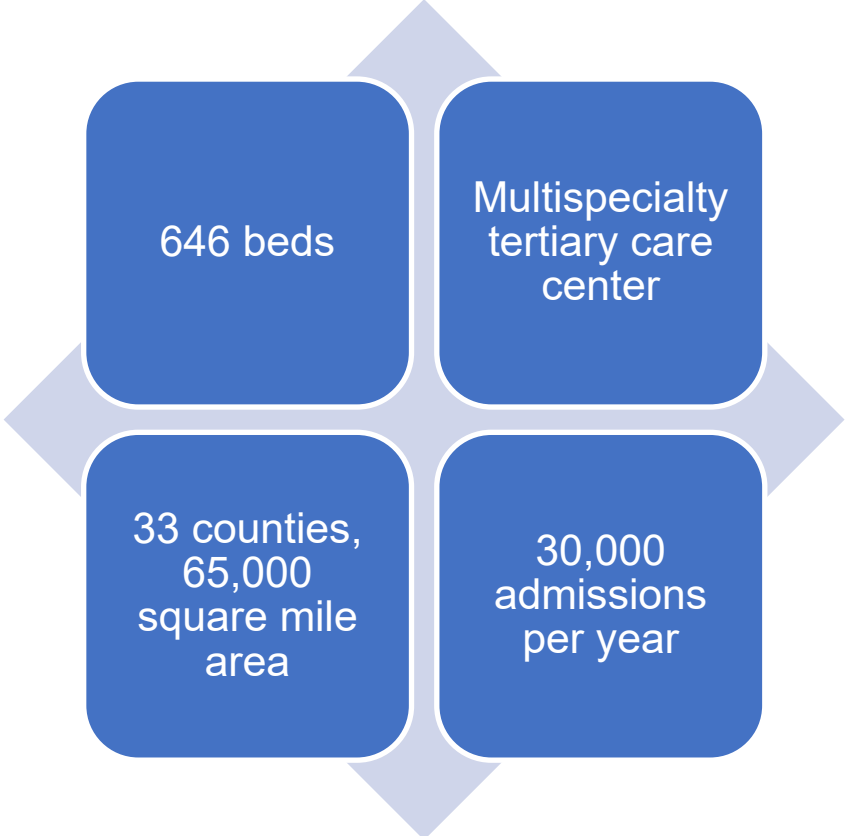
**Garima Agrawal, MD, MPH**

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# Background

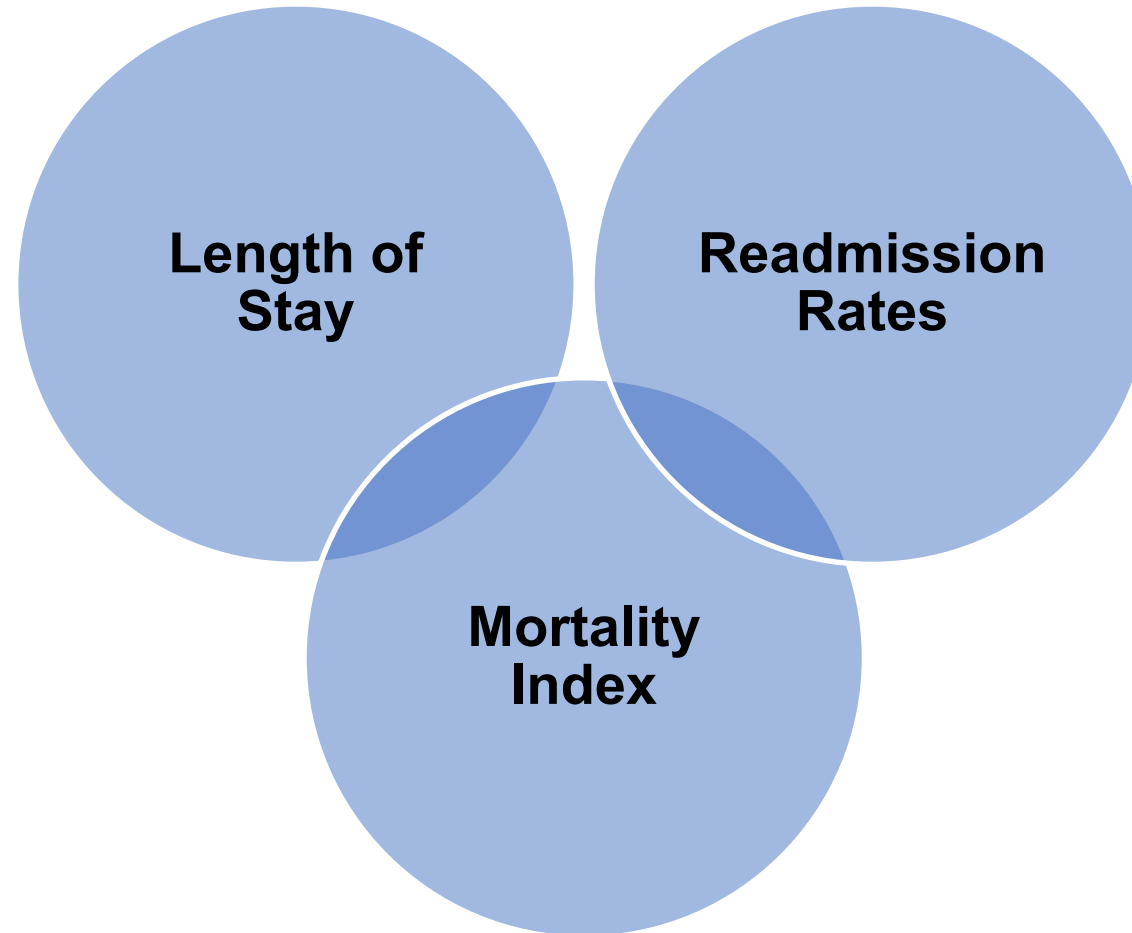
# UC Davis Medical Center



# Goals and Interventions



# 2020 – 2021 Goals



# 2020

**LOS index**

**1**

**Mortality  
Index**

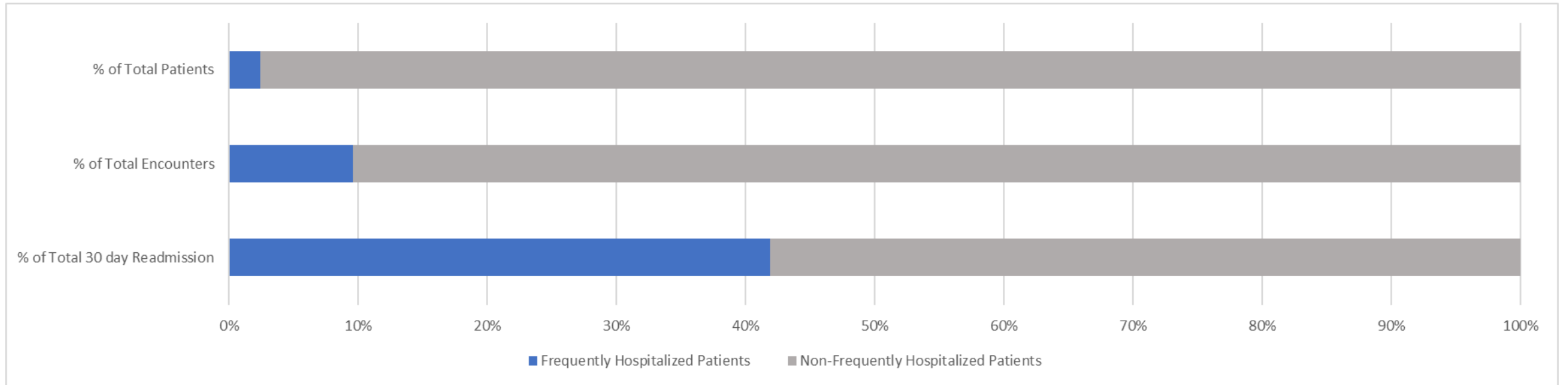
**0.82**

**30-day  
Readmission  
Rate**

**17.36%**

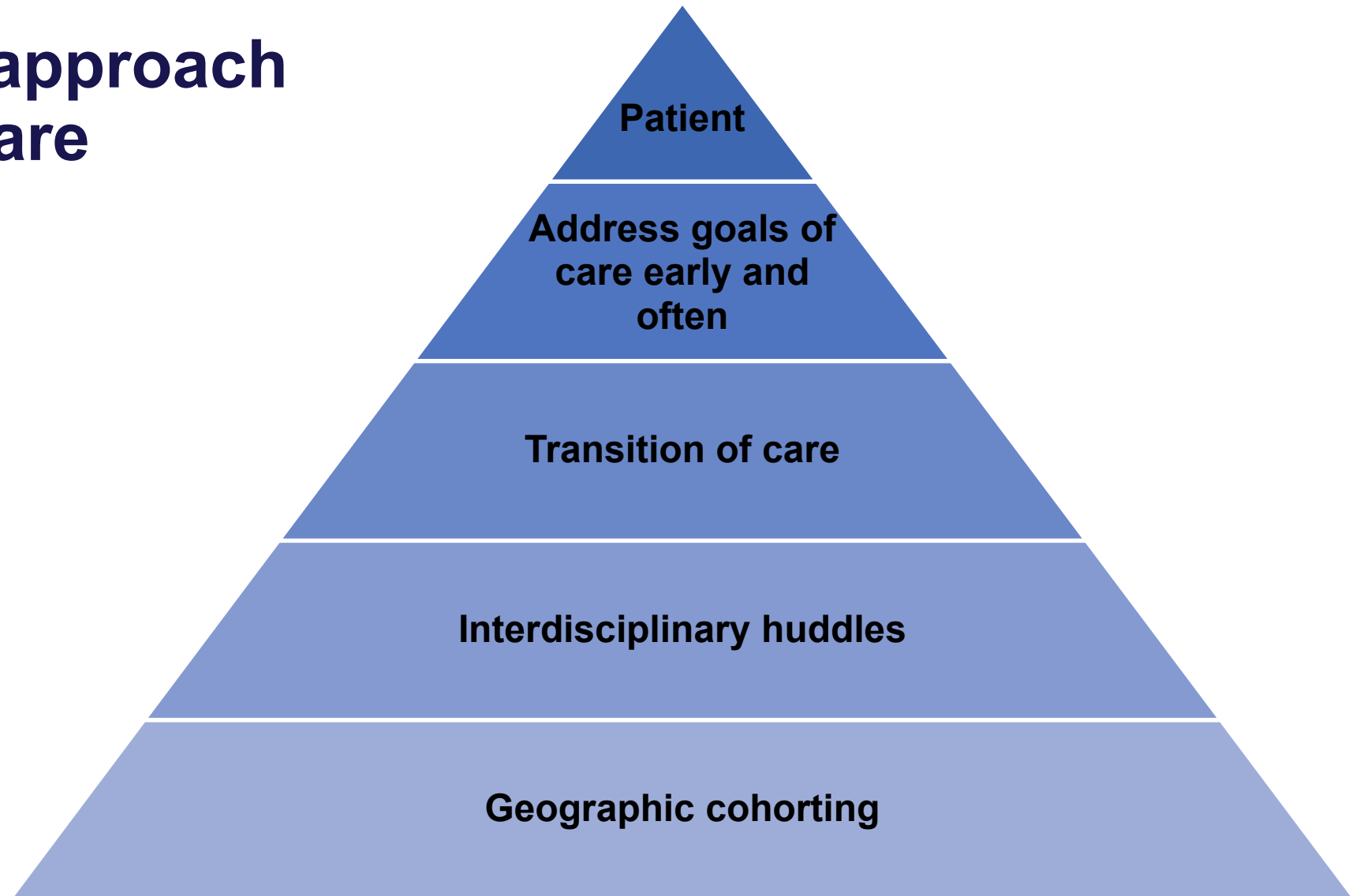
# High Resource Utilizers

Frequent patient	Total Patients	% of Total Patients	Total Encounters	% of Total Encounters	30 day Readmission	% of Total 30 day Readmission	Avg Length of Stay
No	21,495	97.56%	25,769	90.39%	1,808	58.08%	6.56
Yes	538	2.44%	2,739	9.61%	1,305	41.92%	7.13

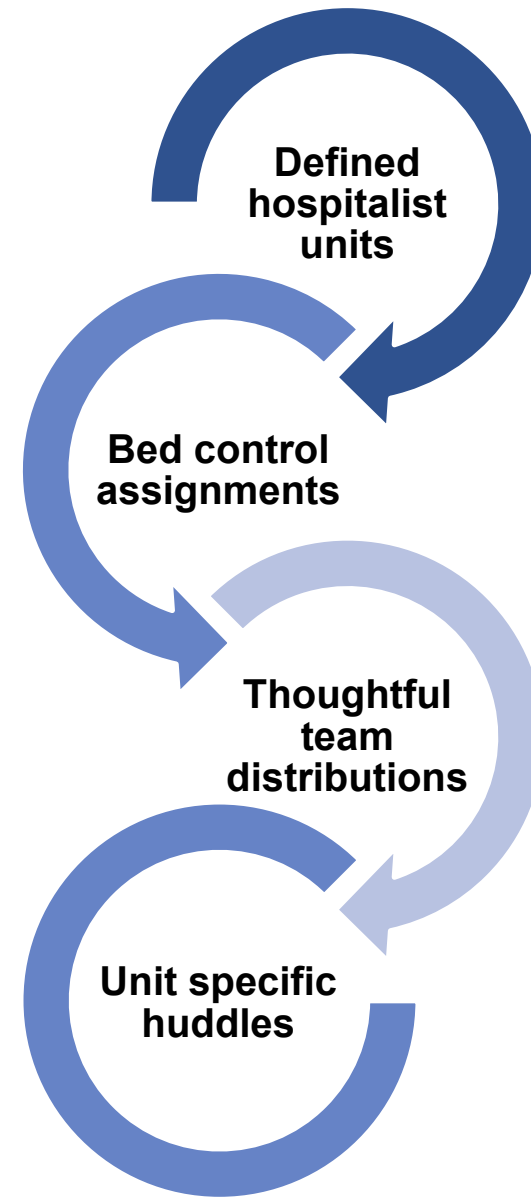


Source: Vanessa McElroy and UC Davis Transitions of Care team

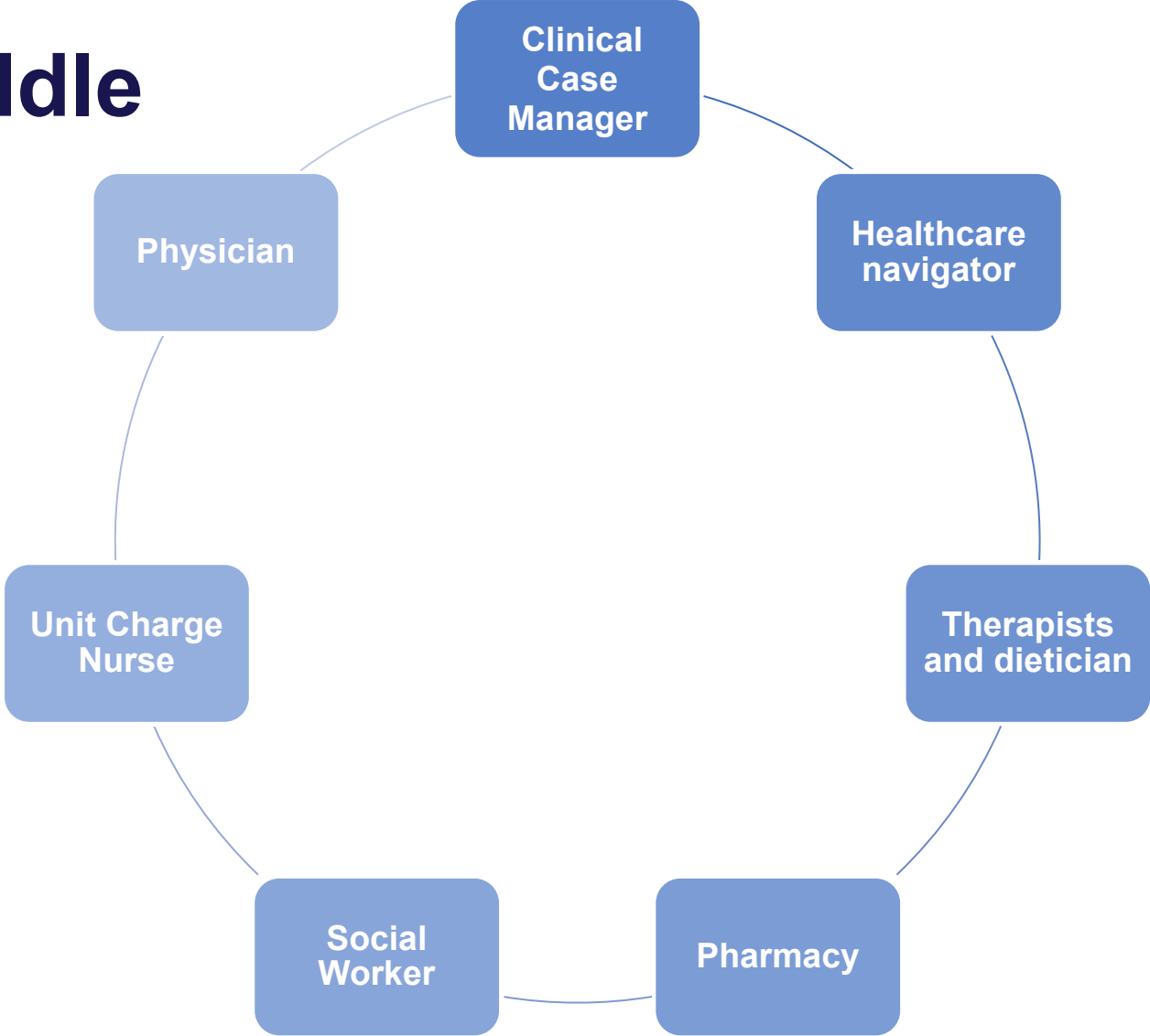
# Multi-pronged approach with bundled care



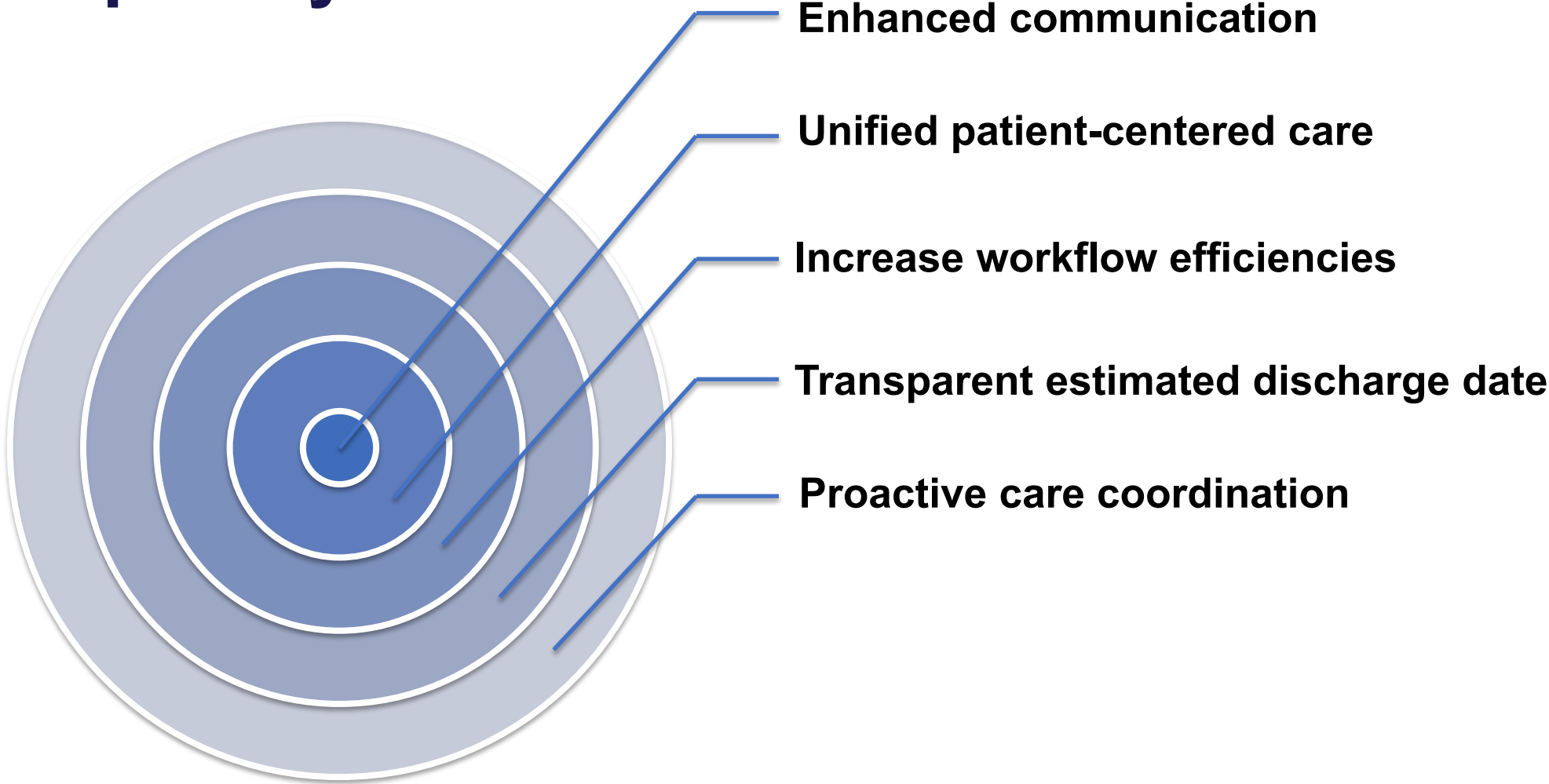
# The key to success: Geographic cohorting



# Interdisciplinary Huddle



# Interdisciplinary Huddle



# Advanced Care Planning

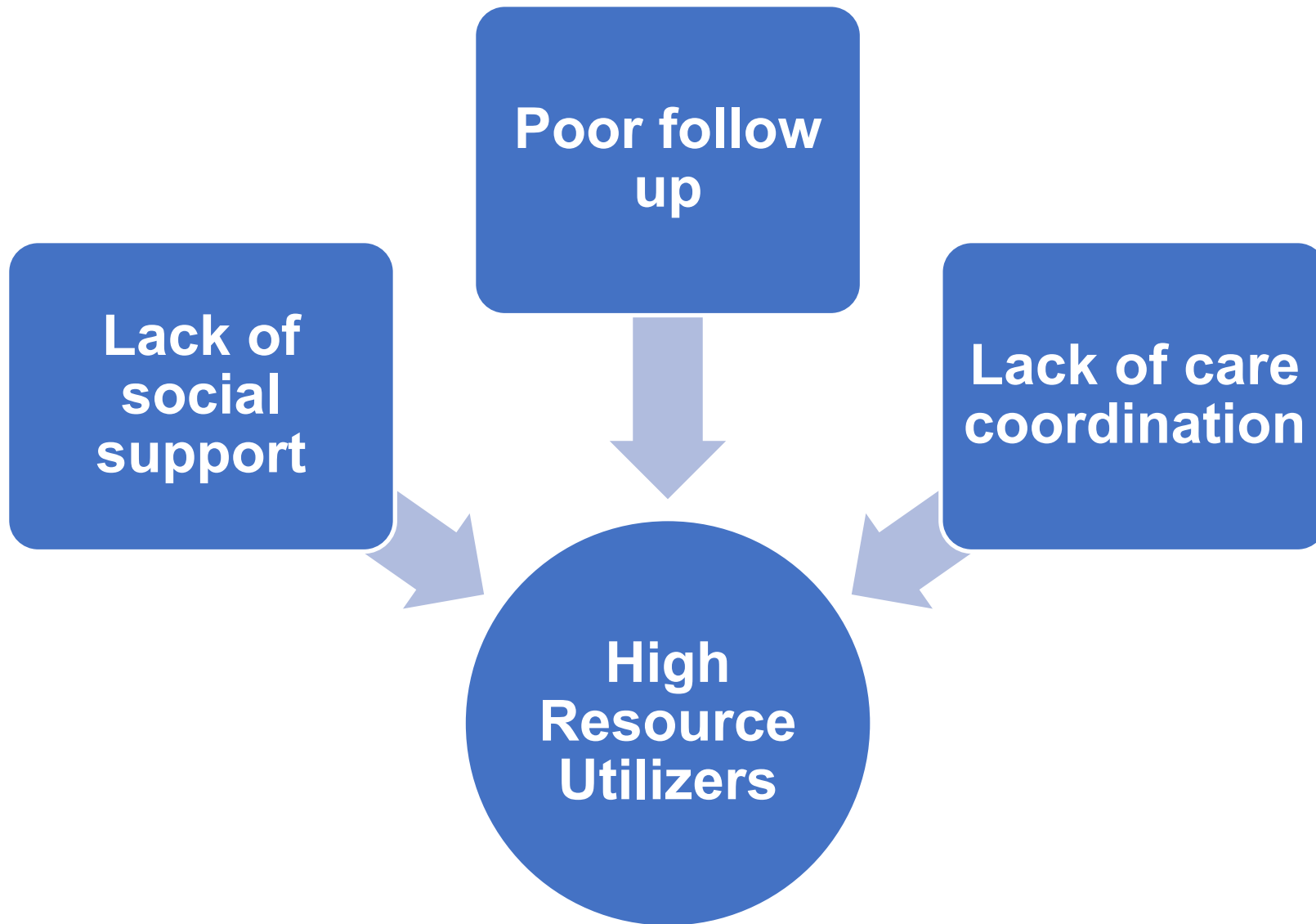
Physician identifies MSQ+ patient on admission

Social Worker begins ACP conversation

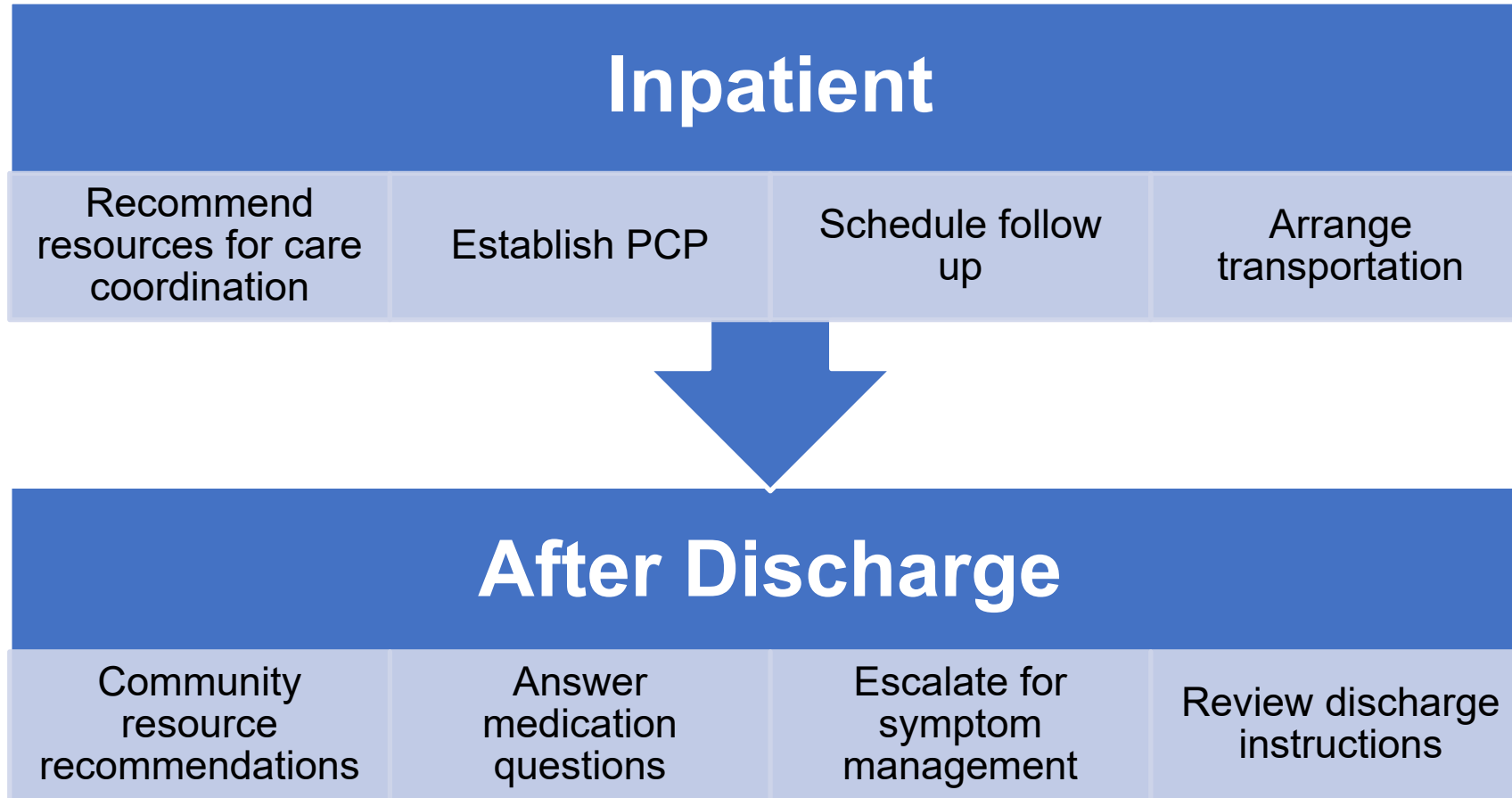
Physician continues discussion

Patient goals of care direct interdisciplinary huddle

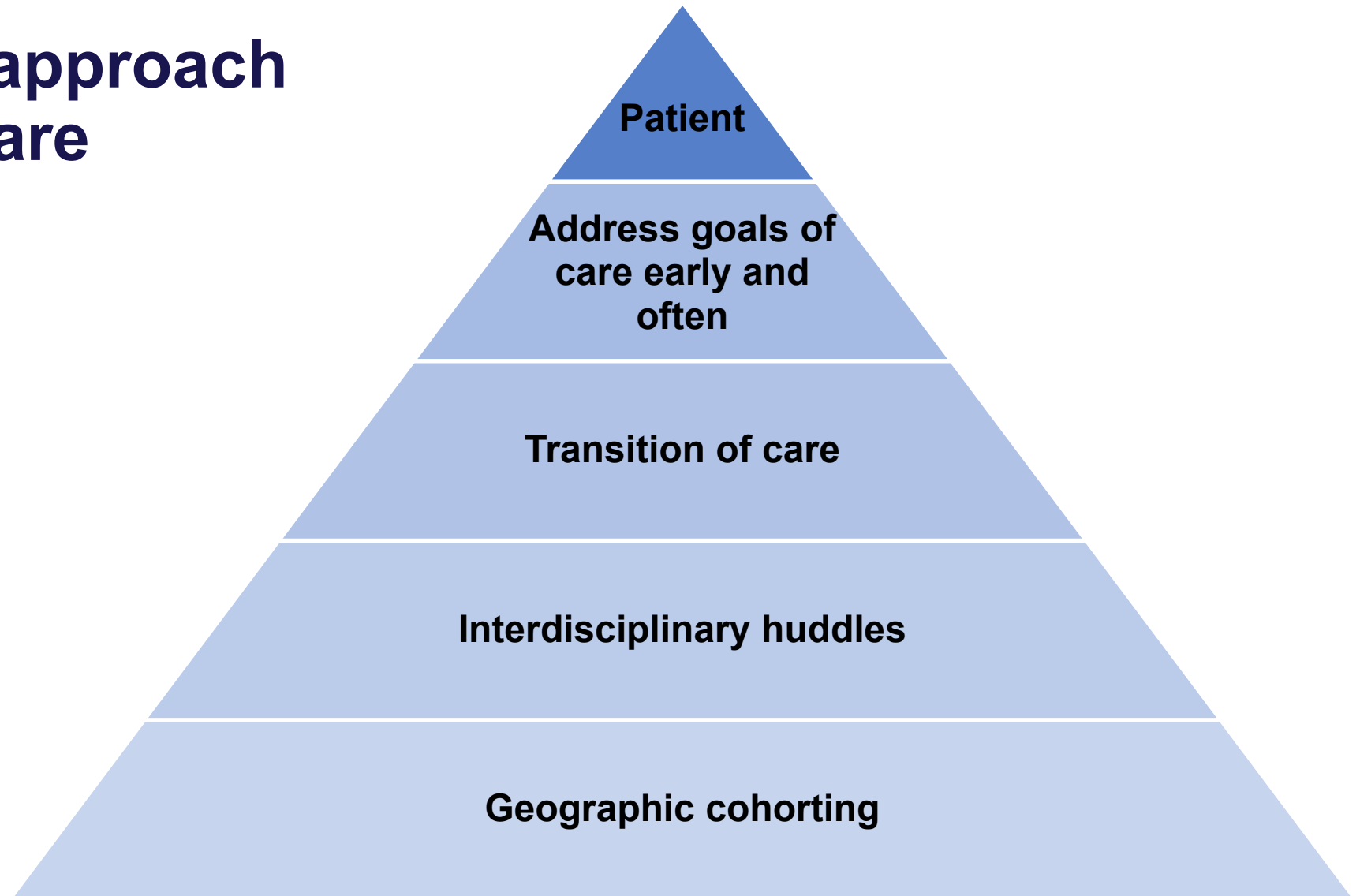




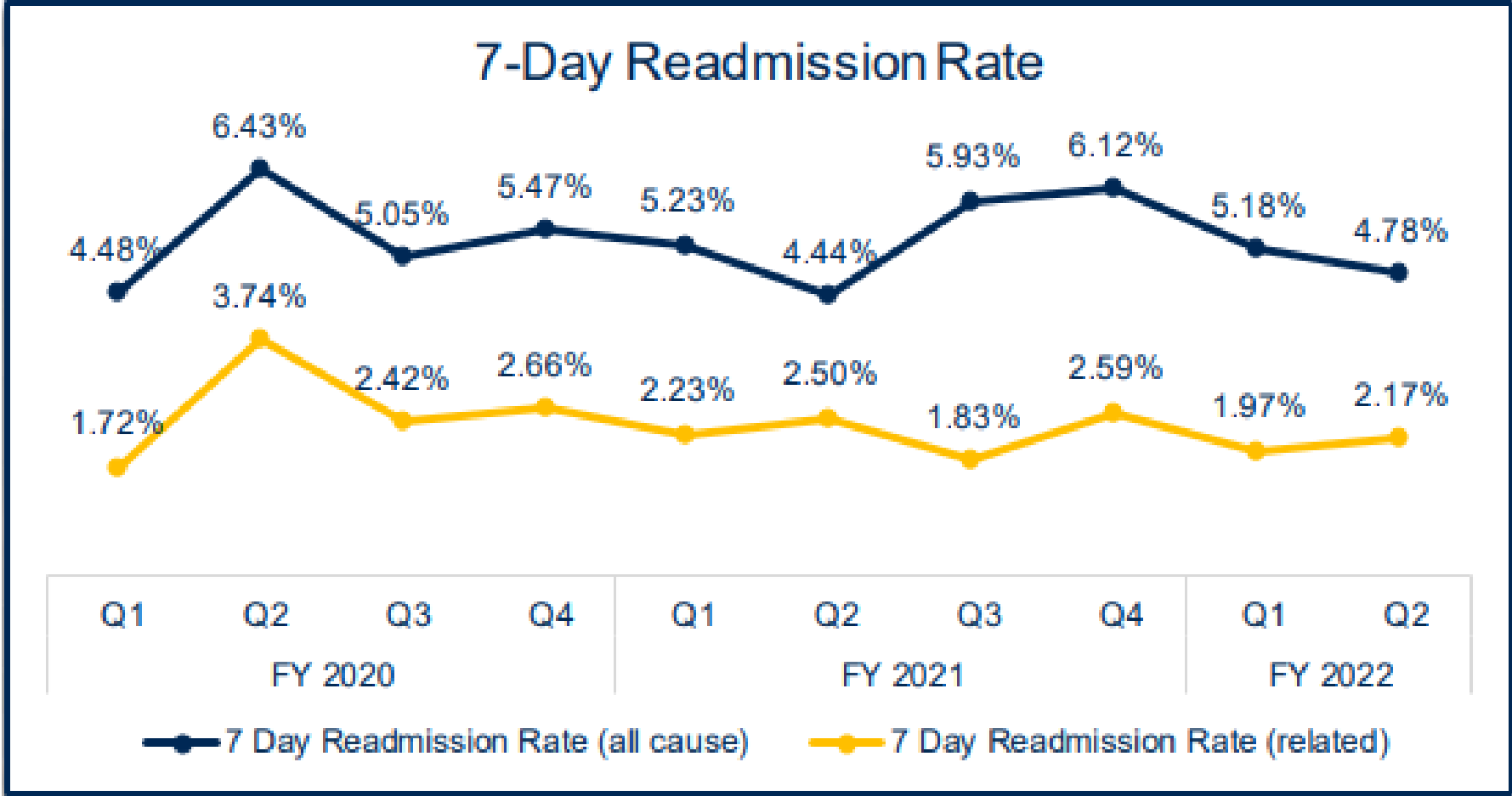
# Healthcare Navigators



# Multi-pronged approach with bundled care

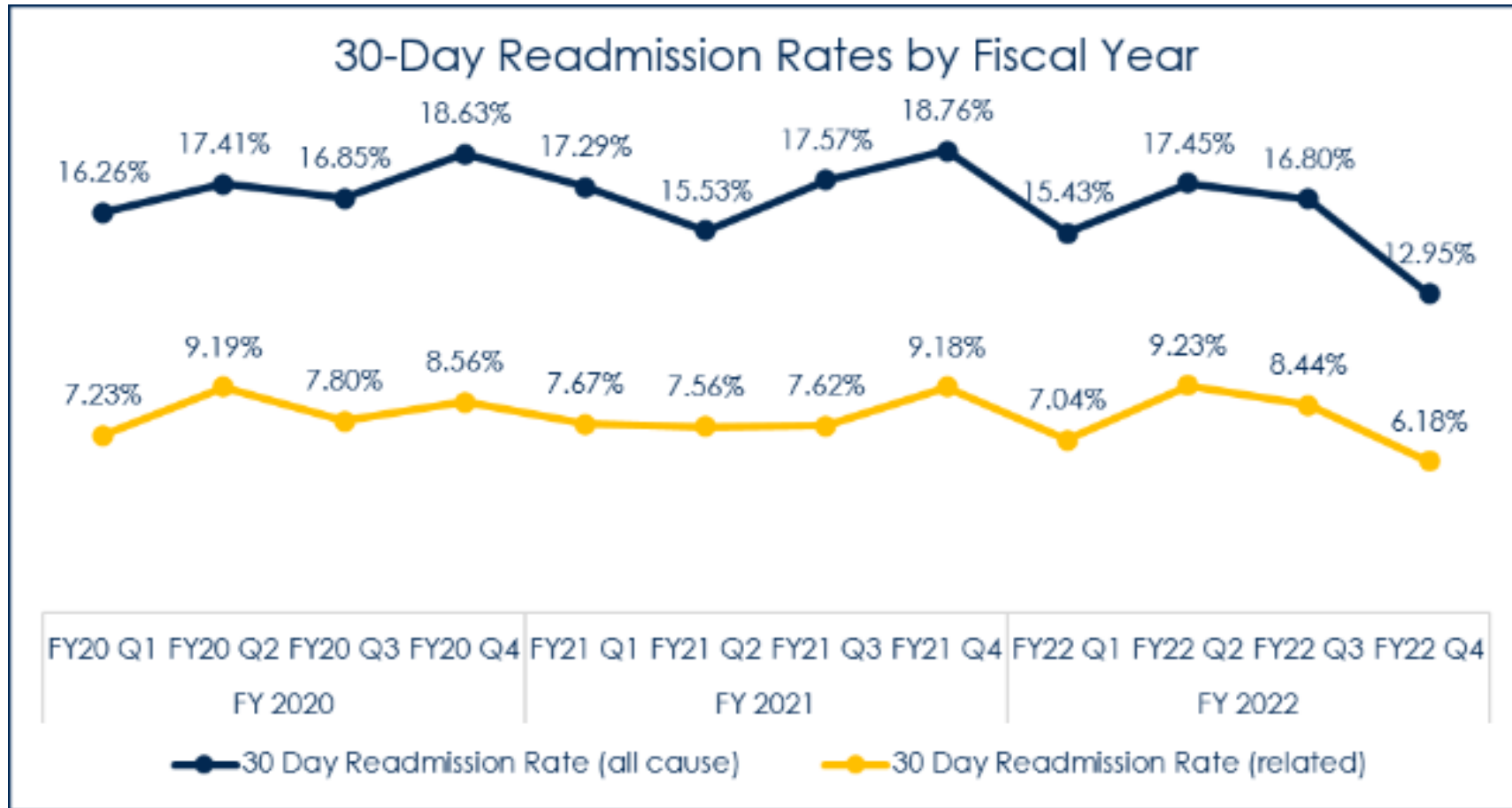


# RESULTS



	2020	2021	2022
All Cause Readmission Rate	5.36%	5.46%	5%
Related Readmission Rate	2.64%	2.3%	2.06%

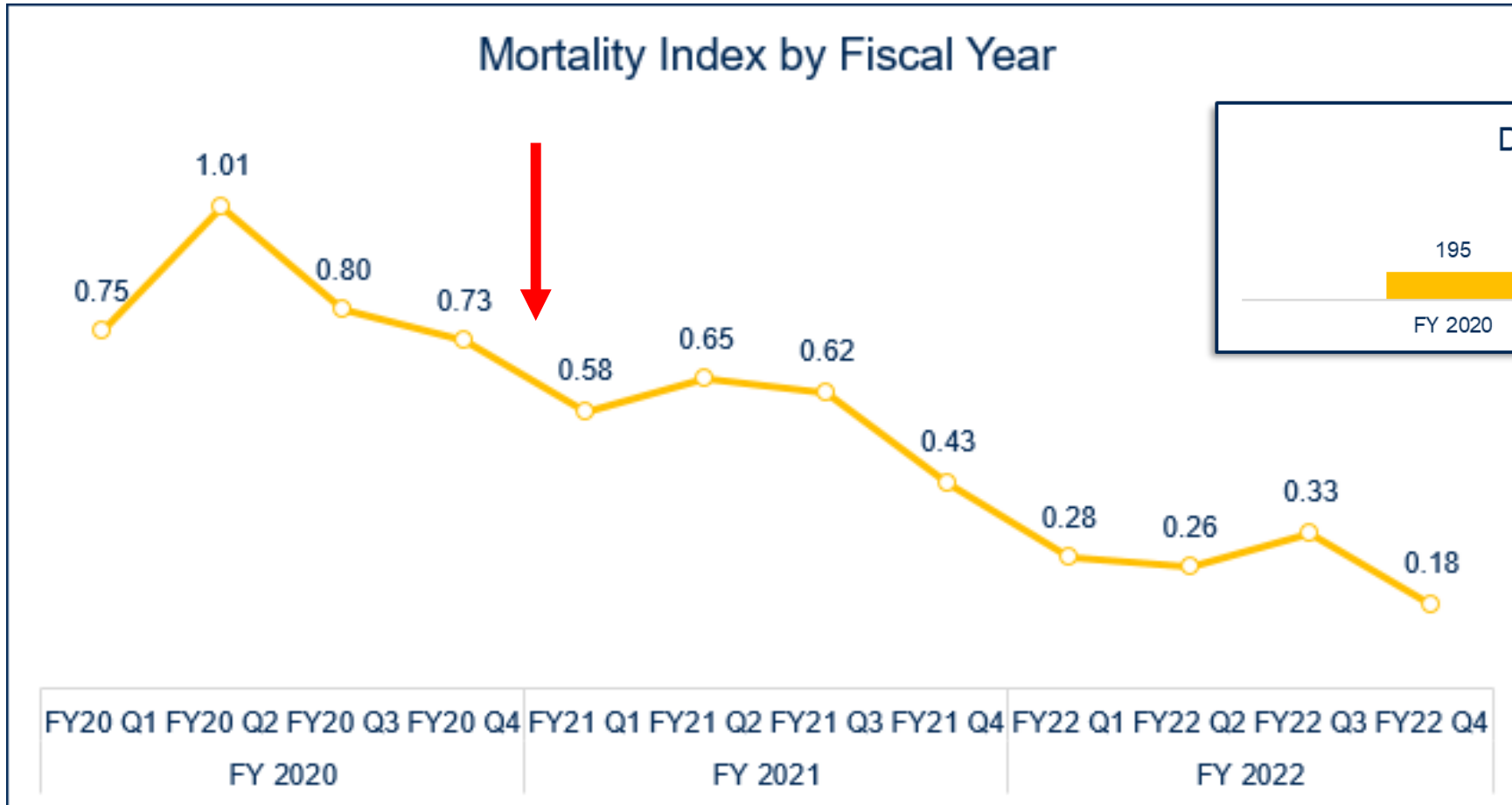
Source: Vizient



	2020	2021	2022
All Cause Readmission Rate	17.29%	17.29%	15.66%
Related Readmission Rate	8.20%	8%	7.72%

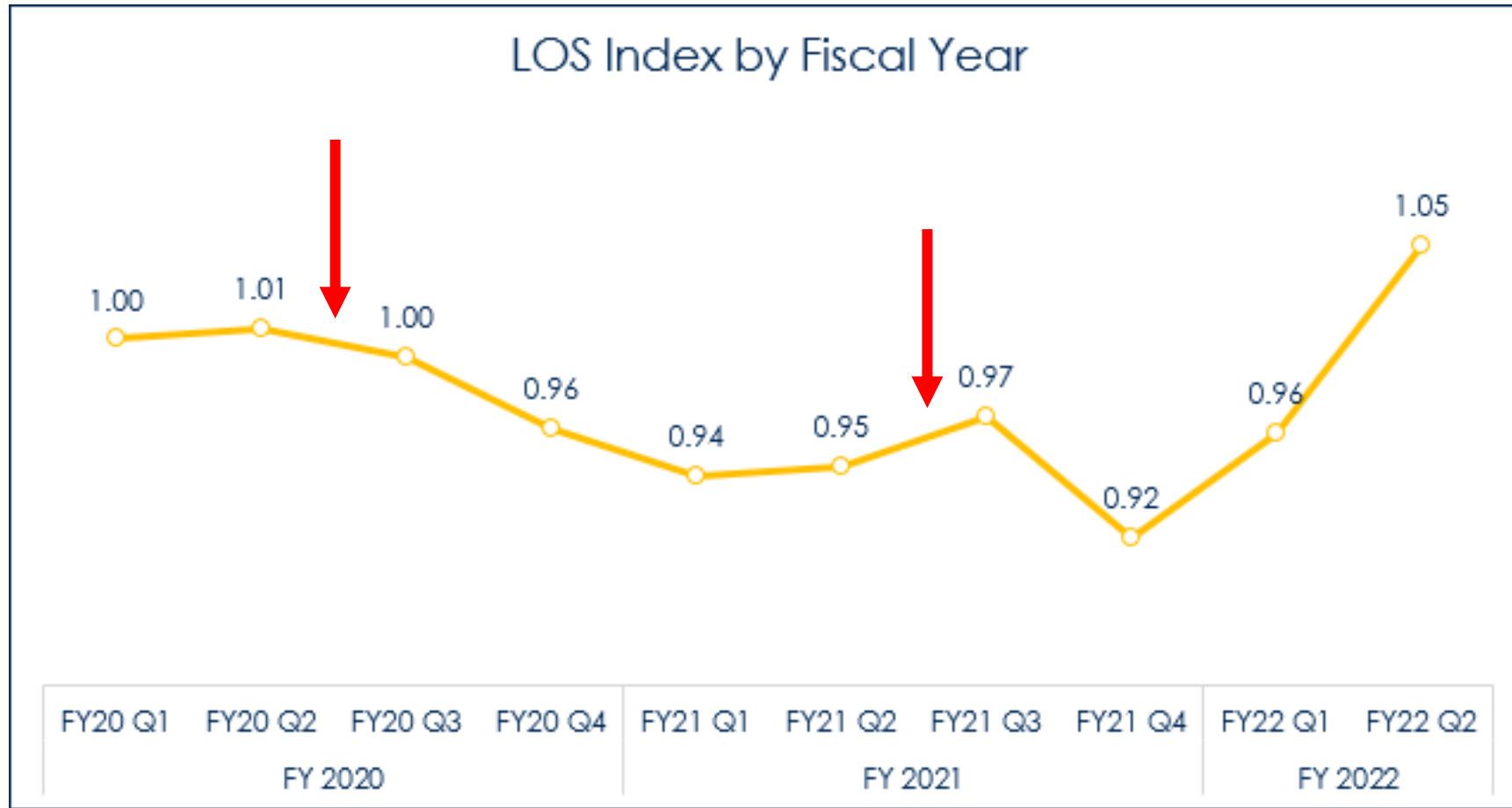
Source: Vizient

# Mortality Index



Source: Vizient

# LOS



Source: Vizient



# LESSONS LEARNED



# Key Takeaways

**Identify high risk patients early**

**Strategic geographic cohorting**

**Engage discharge planning team**

**Multipronged approach influences institutional culture change**

# Special thanks

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MSQ Workgroup



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# Questions?

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