

Go Home and Go Big: Strategies for Scaling Hospital at Home Programs

Trini Truong, MD | Mount Sinai

Daniel Davis, MD | Atrium Health

Karin Falkenberg, MSN RN | Mass General Brigham

Michael Nassif, MD | St. Luke's Health System





WebinarJanuary 30, 2024



We appreciate the generous support of

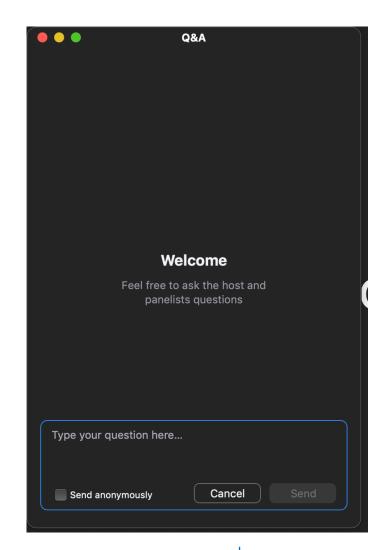


The John A. Hartford Foundation



ZOOM Webinar Housekeeping

- Please submit your questions via the Q&A option.
- Due to the large audience for today's webinar, everyone has been placed on mute.
- If you have any technical issues, please contact John Beilenson (jbeilenson@aboutscp.com) or send him a message via the Zoom chat feature.



Hospital at Home USERS GROUP

Website: hahusersgroup.org

Twitter/X: @hahusersgroup

TA Center: hahusersgroup.org/technical-

assistance-center

The HaH Users Group Webinar Series

How Are We Doing? Evaluating Hospital at Home Quality and Safety

Mastering Meds: Exploring Issues of Pharmacy in Hospital at Home

Finding Your People: Issues in Patient Identification, Recruitment and Referral

Looking Ahead: Hospital At Home Beyond the Public Health Emergency

By the Numbers: Financial Models, Value Propositions, and Projections for the Next Generation of Hospital at Home Programs

Hospital at Home for Cancer Care: Current Innovations, Opportunities, and Challenges

Building Your Dream Team: Strategies for Staffing Your Hospital at Home Program

Hospital at Home for COVID-19: What We've Learned and What We're Learning

Are We Ready?: Preparing Your Clinical Team For Delivering Hospital At Home Care

Measuring Up: Meeting Program Standards for Hospital at Home

What's Needed Next? Hospital at Home During the Extended Waiver and Beyond

Always Prepared: Ensuring Your Hospital at Home Program is Ready for Any Emergency, Large or Small

Nurses at the Forefront: Essential Clinicians in Hospital at Home Programs

Hospital at Home, Medicaid, and Equity: Lessons from Three States

Can We Deliver Skilled Nursing Facility Care at Home? Should We?

See the full list of webinars on the Events page at HaHUsersGroup.org



Users Group Caregiver Experience Study

 A team of researchers at the Icahn School of Medicine at Mount Sinai is looking to interview HaH Users Group program leaders for their input on the caregiver experience and their expertise on caregiving issues.

To participate, scan the QR code or contact <u>info@hahusersgroup.org</u>





Trini Truong, MD

Chief Medical Officer, Mount Sinai at Home
Associate Professor of Medicine,
Icahn School of Medicine at Mount Sinai

Today's Webinar

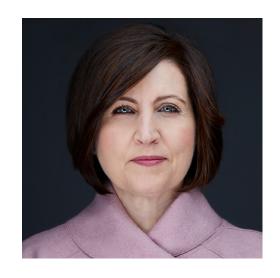
Go Home and Go Big: Strategies for Scaling Hospital at Home Programs

Today's Speakers



Daniel Davis, MD

Medical Director, Internal Medicine Specialty
Medical Director, Continuing Health
Medical Director, Primary Care Connect
Atrium Health



Karin Falkenberg, MSN RN

Executive Director,
Nursing and Patient Services
Mass General Brigham
Healthcare at Home



Michael Nassif, MD

Medical Director,
Saint Luke's Hospital in Your Home



Atrium Health Hospital at Home Scaling Experience

Atrium Health Hospital at Home

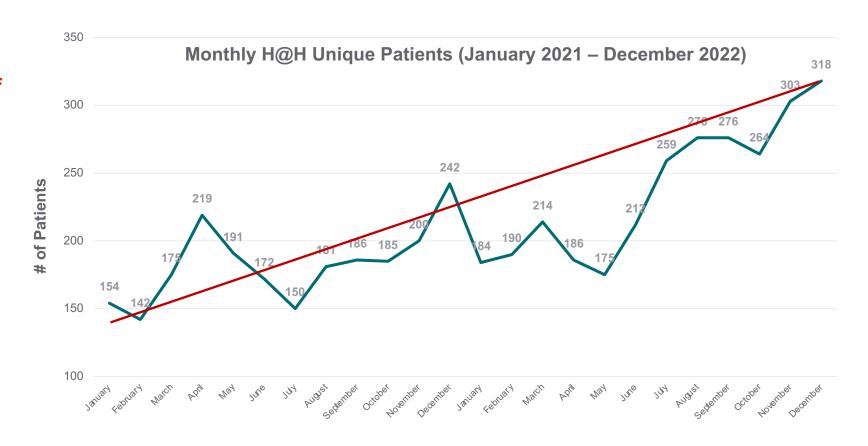
- Implemented over 10 days in March 2020 in response to the pandemic-induced inpatient capacity crisis
- Leveraged existing Atrium resources and expertise to build and scale to Mecklenburg and 10 surrounding counties
- Permanently assigned staff and expansion to non-COVID diagnoses in September 2020
- Implemented the CMS Acute Care at Home Waiver in first 3 facilities in March 2021 with expansion to 10 facilities within 6 months
- Expansion of budgeted census to 60 in October 2023





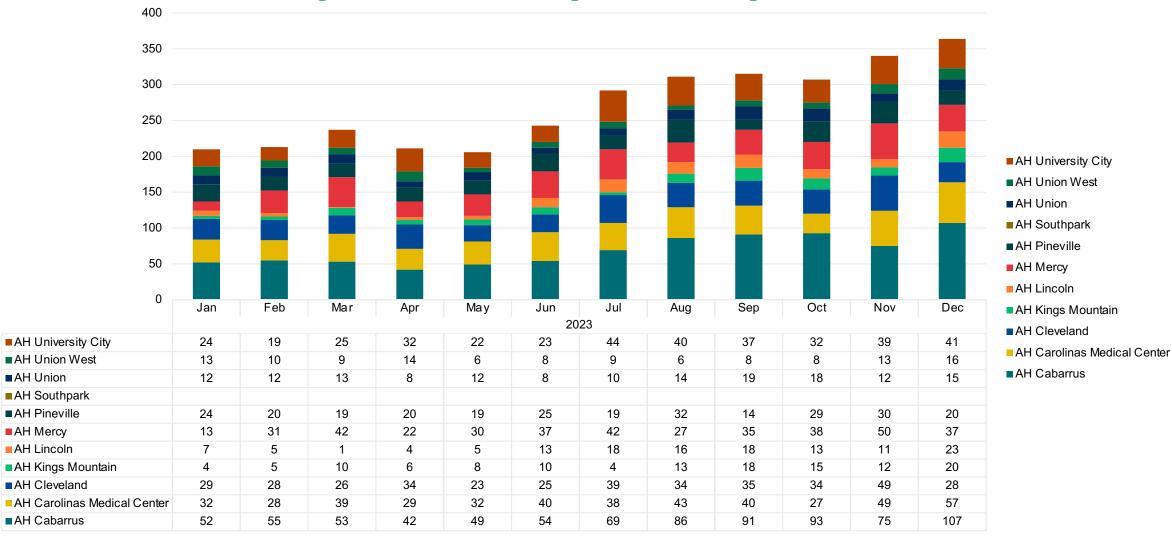
Atrium Health Hospital at Home

Total Number of Unique Patients since Mar 2020: >9,400





2023 Monthly Volume by Facility





Outcomes To Date...

Operations

- Total Unique Patients:>9,400
- Total B&M Days Saved:>33,000
- ALOS: 4.6

Quality

- Readmissions O/E: 0.8
- Mortality: <1%
- Return to B&M: **5.0%**

Patient Experience

- Overall Rating:
 84.7% (B&M: 68.7%)
- Likely to Recommend:
 88.3% (B&M: 72%)



Key Scaling Factors and Priorities

- Ongoing Acute Care Facility capacity constraints
- Necessary infrastructure maintained for other Care at Home strategies
- Flexible staffing model developed for census variations
- Financial model based on capacity creation and cost savings
- Incremental growth plan developed for expansion to 100 beds by end of 2024
- Multi-pronged approach to census growth
 - Facility specific internal marketing
 - Expanded scope of services
 - Development of outpatient component
 - Development of integrated Care at Home strategy



Provider Team Structure By Census

(example scale plan)

30-45 91-105 46-60 61-75 76-90 2 Rounding 3 Rounding 3 Rounding 4 Rounding 5 Rounding Need **Physicians** Physicians* Physicians* Physicians* Physicians* • 2 QB Physicians 1 QB Physician • 1 QB Physician 1 QB Physician 1 QB Physician (M-F) (M-F) (M-F) (M-F) (M-F) • 1 APP • 1 APP 2 APPs • 3 APPs 3 APPs 6 Rounding 8 Rounding 10 Rounding 4 Rounding 6 Rounding H Physicians* Physicians* Physicians* **Physicians** Physicians* 1 QB Physician 1 QB Physician 2 QB Physicians 1 QB Physician 1 QB Physician Total (M-F) (M-F) • 2 APPs (M-F) (M-F) 4 APPs • 2 APPs • 6 APPs 6 APPs



^{*}Additional Rounding Physician Covered by Moonlighting Until Max Census Reliably Met

Thank You!



MGB Home Hospital Scalability and Managing Census Variability

Karin Falkenberg, MSN RN

Executive Director of Nursing and Patient Services

Mass General Brigham Healthcare at Home



Mass General Brigham Home Hospital at a glance

1

Unified MGB Home Hospital service



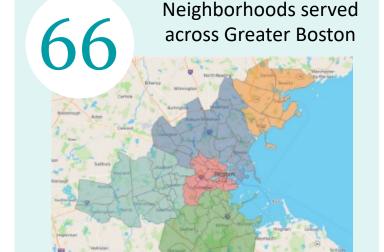
75%
Of eligible patients are in our serviceable area



6
Days on average spent

5

MGB Hospitals with Home Hospital services MGH, BWH, BWFH, NWH And SLM



2,400+
Home Hospital
Admissions Since

in Home Hospital

Jan. 2022



Current Home Hospital Bed Capacity

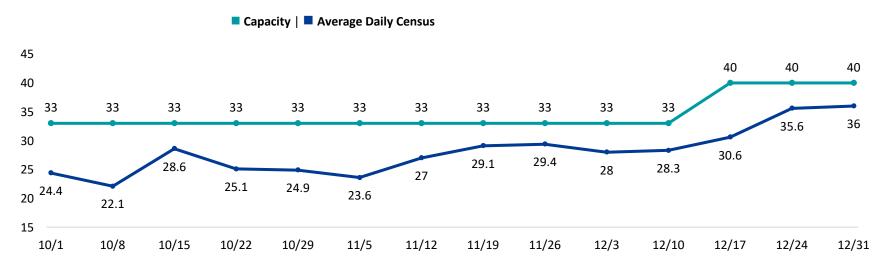


12,700+

Acute Care Facility-Based Bed Days Saved Since Jan. 2022

Weekly ADC growing steadily over the first quarter of the fiscal year, on track to reach 60+ ADC by end of year

Home Hospital Staffed Capacity and Weekly Average Daily Census



Plan for continued growth to achieve 60+ ADC by end of year

- Capacity expansion
- Increasing eligible patient populations
- Driving census

Considerations for Scale....

- ✓ Operational workflow adjustments will be needed to coincide with growth
- ✓ The model you design to fit census, may not fit as you scale
- ✓ Address operational gaps as you grow





Developing tools to support visibility into clinical operations



Models that allow flexibility and can toggle to meet surge demands



Cross functionalitywithin role groupsto provide stretch



High touch point interdisciplinary communication

Cross Functionality



Baking in cross functionality to role groups allows the team to stretch safely to meet the demands. The team design allows for the ability to surge and can cascade back down as needed.

Physical Therapy can evaluate patients, virtually or in person. Our PTs also have the cross functionality of navigating (patient identification) as part of their role. This allows us stretch our patient finding and combine PT screening in one encounter if needed.



Medical Assistants can co-visit with the teams to optimize efficiency, provide hands on support for virtual visits, act as bridge for HHA's, and assist with administrative and supply chain support.

Cross Functionality

Charge Nurses

- Pivotal role in daily operations
- Can be flexed to provide home based care as needed for surge.
- Charge Nurses can provide at elbow support to team
- Our Charge roles are a mixed combination of staffing throughout the day of in person and virtual.
- Flexibility allows us to stretch and meet the real time demands of our patients and team.

Field Team

- MIH and RN model -One Team
- Complementary skills with ability to cover and support

APP/Provider Team

- Working within a new model of mixed modality that includes both virtual and in home support.
- Allows Providers to increase their capacity by 8-9 patients a day without increasing staffing.

High Touch Communication

A day in the life.....

7am Overnight Handoff
8am North Interdisciplinary Round Huddle
830am South Interdisciplinary Round Huddle
11am Capacity Huddle
1230pm Care Progression Rounds
4:00pm North Interdisciplinary Round Huddle
4:30pm South Interdisciplinary Round Huddle
5:00 Geography Huddle
7:00pm Overnight Handoff
On Demand



High Touch Communication

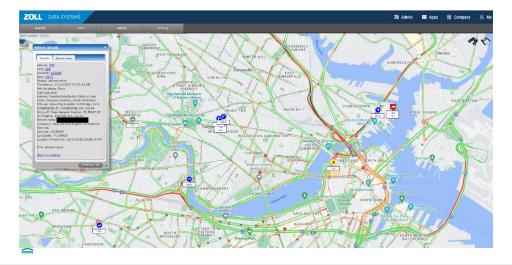


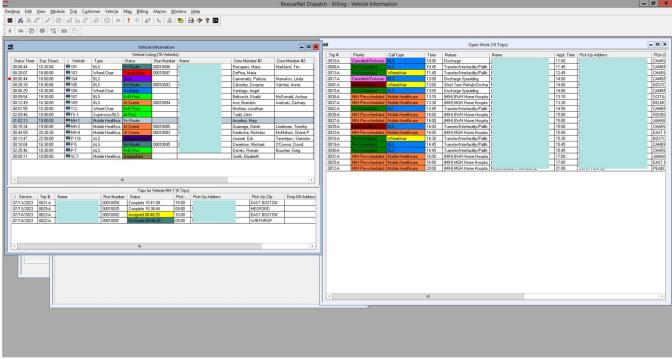
Benefits of High Touch Communication

- Real-time visibility into ground operations
- Ability to provide unified messaging to the team
- Coaching opportunities
- Fosters teamwork, trust and collaboration
- Developing tools to support visibility into clinical operations

Tools

Assignment				Visits		
Nurse	Role	Name	AM	PM	Total	%
1	Charge	Bridget Hemmer	0	0	0	
2	Staff Nurse and Trainee	Marissa Pepicelli	1	2	3	
3	Staff Nurse	Kim Tierney	2	2	4	
4	Staff Nurse	Marclyn Morice	2	2	4	
5	Staff Nurse	Heidi Buckley	2	2	4	
6	Staff Nurse	Kristen Valanzola	1	2	3	
7	Staff Nurse	Siobhan O'brien	2	2	4	
8	Trainee	Shana Farrell	1	2	3	
9	0	(0	0	0	
10	0	(0	0	0	
11	0	(0	0	0	
12	0	(0	0	0	
	4	MIH	0	1	1	
	Surge MIH					
	Sum RN		11	14	25	
	Sum MIH		0	1	1	
	Sum All		11	15	26	
			Staffed	# Pts	13	
			AM	PM		
Overall Nursing Capacity:			1	7 17		
Percent Nursing Capacity Used:			659	82%		
Overall MIH Capacity:			4	1 6		
Capacity for Additional Visits:			10	8		
Today's Patient Capacity Cap:					18	
Tomorrow's Patient Capacity Cap:					18	
	Neter		NA	./ Chana		
	Notes:		Marissa v	// Snana		





Part of a Large Team



- Administrative
- Supplies
- Laboratory
- Biomed
- Financial services
- Quality & safety
- Patient/Family relations
- Risk
- Billing
- Compliance
- Care coordination
- Pharmacy
- And more!



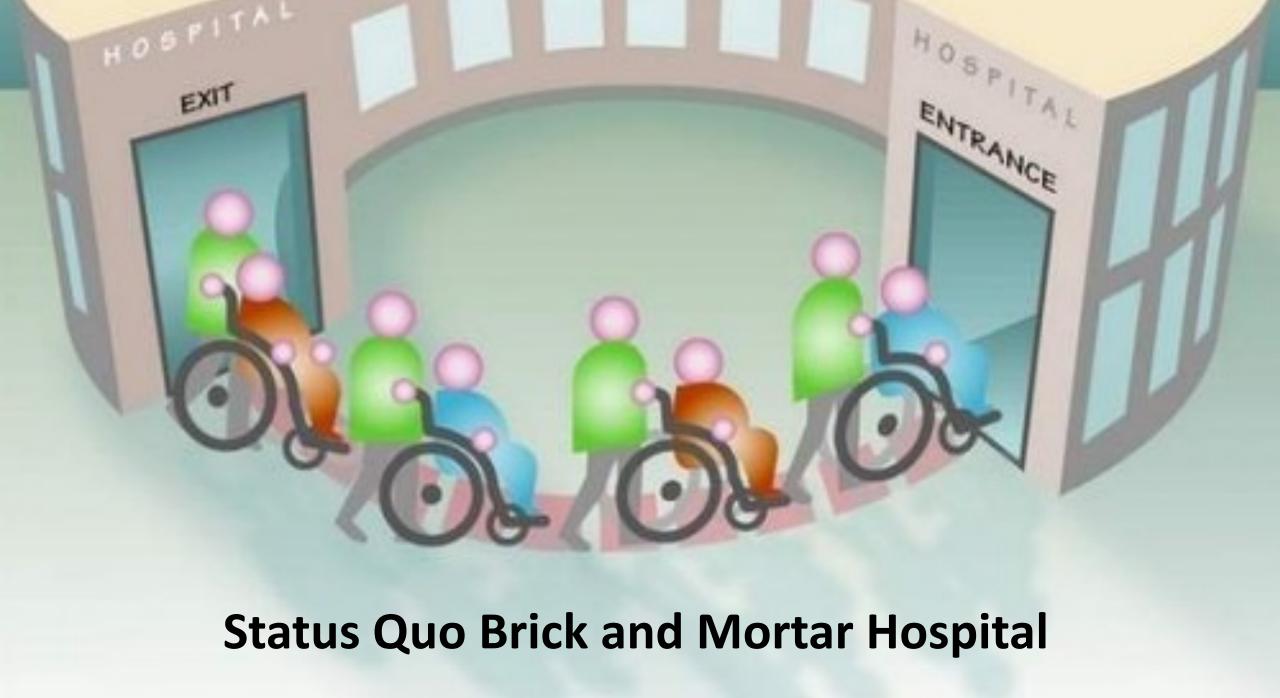


Hospital In Your Home: Scaling Whac-a-mole

HAH Users Group Jan 30, 2024







General Stats

Admissions since go-live (7/19/22): 900

- 33% from the ED, median time in ED prior to HIYH admission 5 hrs
- 66% from an inpatient floor, median time on IP unit prior to HIYH admission 12 hrs

Average daily census: 9.3

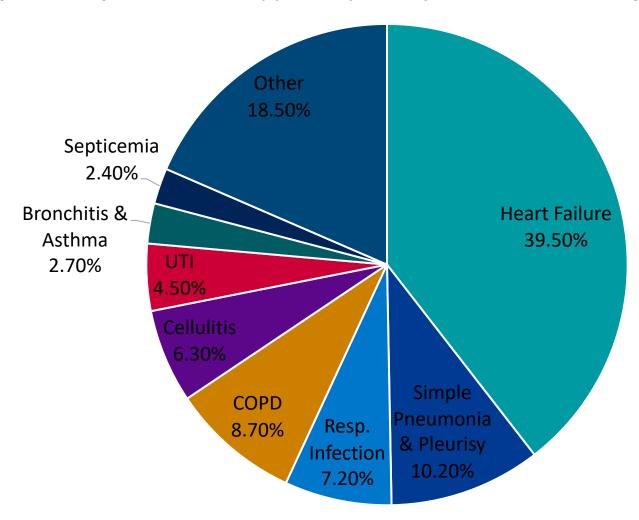
Peak census: 15

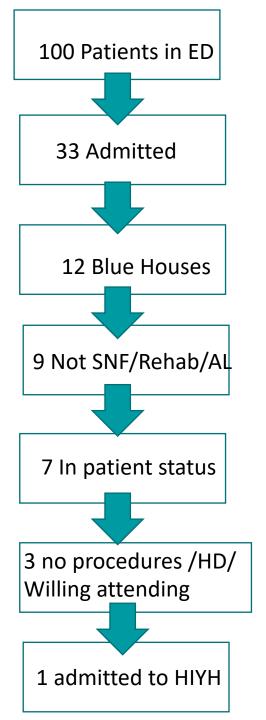
ALOS: 4 days

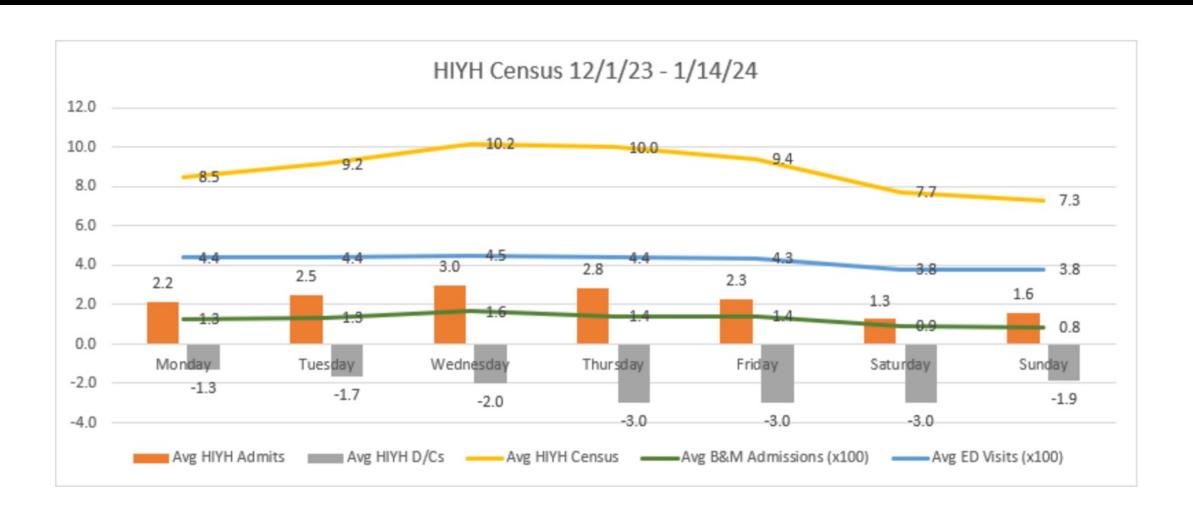
Medicare and Medicare Advantage Only

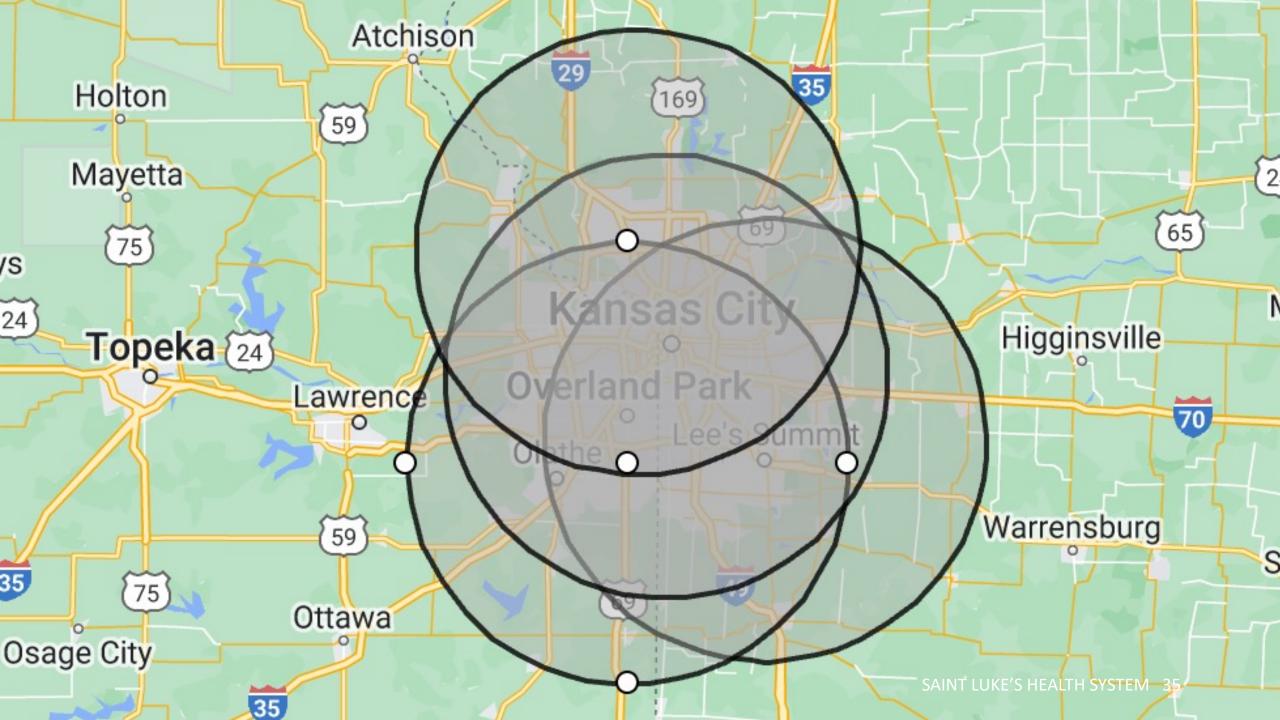
HIYH Final Billing DRG

Heart failure, infections, and upper respiratory illnesses are ideal for this care model









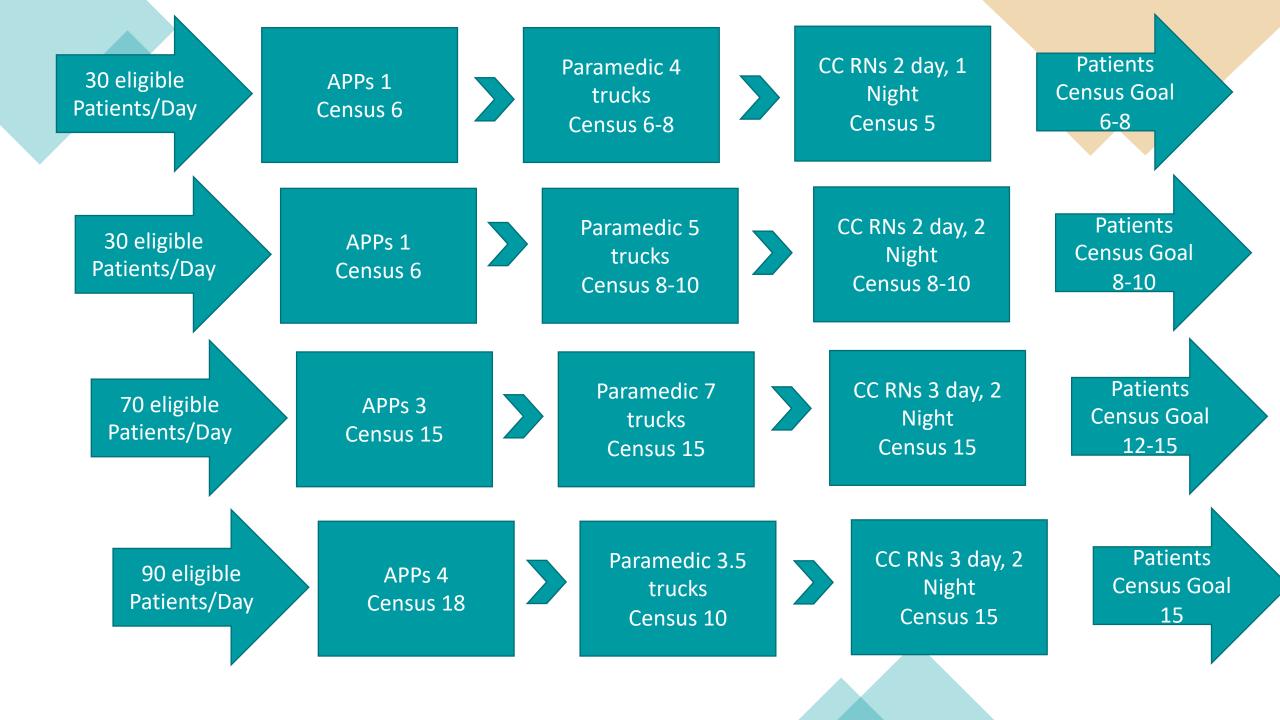
Theory of Constraints



A system (the chain) is a collection of interrelated, independent processes that work together to turn inputs into outputs in the pursuit of some goal.

A chain always has one weakest link. If one applies force to the chain at an increasing rate, it eventually breaks at the weakest link. Therefore, the weakest link is the constraint that prevents the system (chain) from doing any better at achieving its goal.

After strengthening one constraint, the system is stronger. However, the system does not become infinitely stronger. The constraint simply migrates to a different component of the system. Some other link is now the weakest, and all the other links are nonconstraints.





HaH Caregiver Experience Study

Scan the QR code or contact <u>info@hahusersgroup.org</u>





The HaH Users Group Webinar Series

How Are We Doing? Evaluating Hospital at Home Quality and Safety

Mastering Meds: Exploring Issues of Pharmacy in Hospital at Home

Finding Your People: Issues in Patient Identification, Recruitment and Referral

Looking Ahead: Hospital At Home Beyond the Public Health Emergency

By the Numbers: Financial Models, Value Propositions, and Projections for the Next Generation of Hospital at Home Programs

Hospital at Home for Cancer Care: Current Innovations, Opportunities, and Challenges

Building Your Dream Team: Strategies for Staffing Your Hospital at Home Program

Hospital at Home for COVID-19: What We've Learned and What We're Learning

Are We Ready?: Preparing Your Clinical Team For Delivering Hospital At Home Care

Measuring Up: Meeting Program Standards for Hospital at Home

What's Needed Next? Hospital at Home During the Extended Waiver and Beyond

Always Prepared: Ensuring Your Hospital at Home Program is Ready for Any Emergency, Large or Small

Nurses at the Forefront: Essential Clinicians in Hospital at Home Programs

Hospital at Home, Medicaid, and Equity: Lessons from Three States

Can We Deliver Skilled Nursing Facility Care at Home? Should We?

See the full list of webinars on the Events page at HaHUsersGroup.org



For More Information

- Hospital at Home Users Group https://hahusersgroup.org/
- Hospital at Home Users Group Technical Assistance Center https://www.hahusersgroup.org/technical-assistance-center/
 - Featured Resource Annotated CMS Waiver
 https://www.hahusersgroup.org/technical-assistance-center/cms-waiver-requirements/options-for-addressing-the-2020-cms-waiver-requirements/

THANK YOU





