

Our Path to Home – Single Ventricle Home Monitoring

Children's Hospital & Medical Center, Omaha NE
Stacy Zoucha MSN, RN-BC, CPN, CPEN, CPHIMS



ORGANIZATIONAL OVERVIEW

Children's Hospital & Medical Center is the only full-service, pediatric healthcare center in Nebraska. We provide expertise in more than 50 pediatric specialty services across a five-state region and is home to Nebraska's only Level IV regional NICU and the state's only Level II Pediatric Trauma Center. Our virtual care services started in late 2018 and has continued to grow.

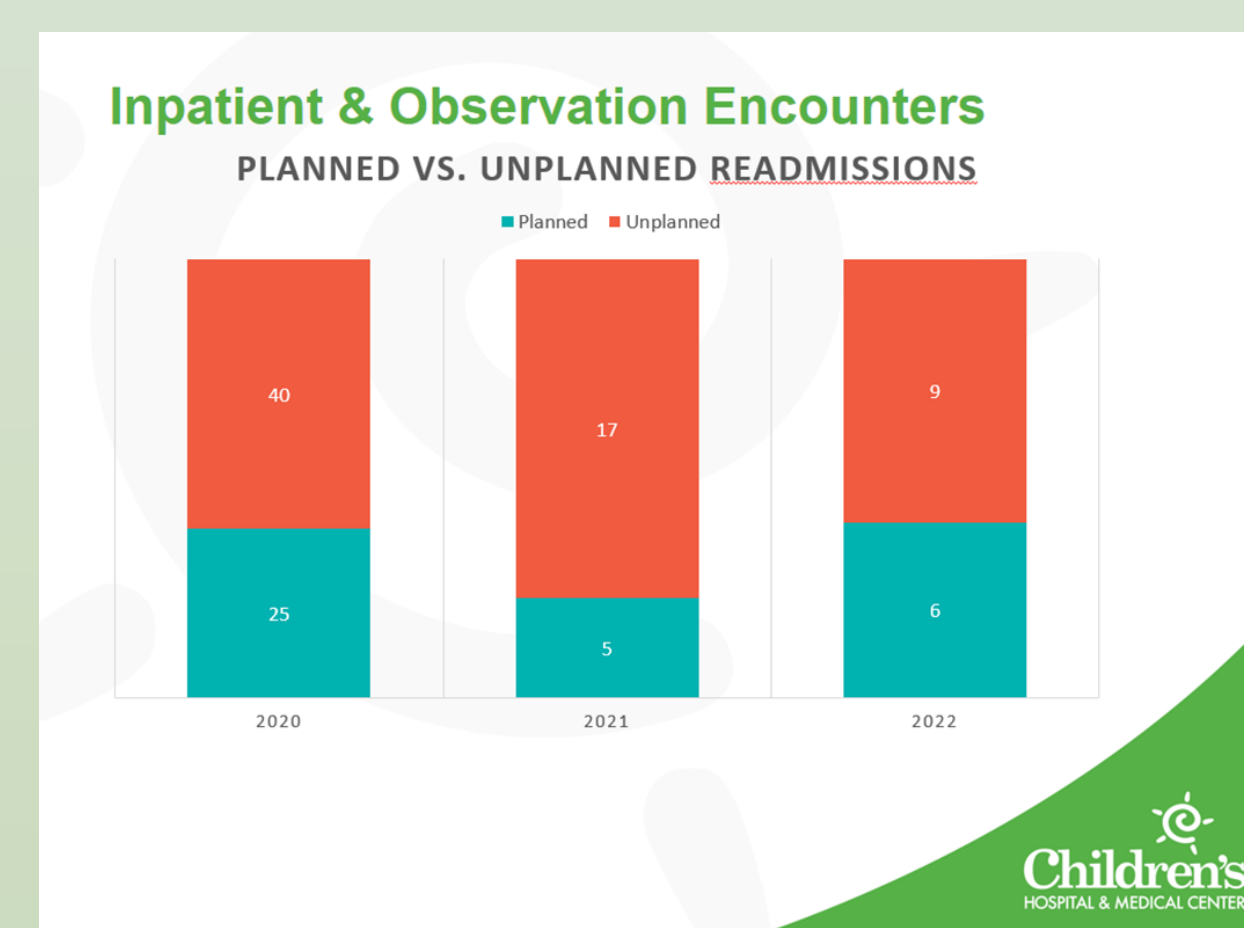
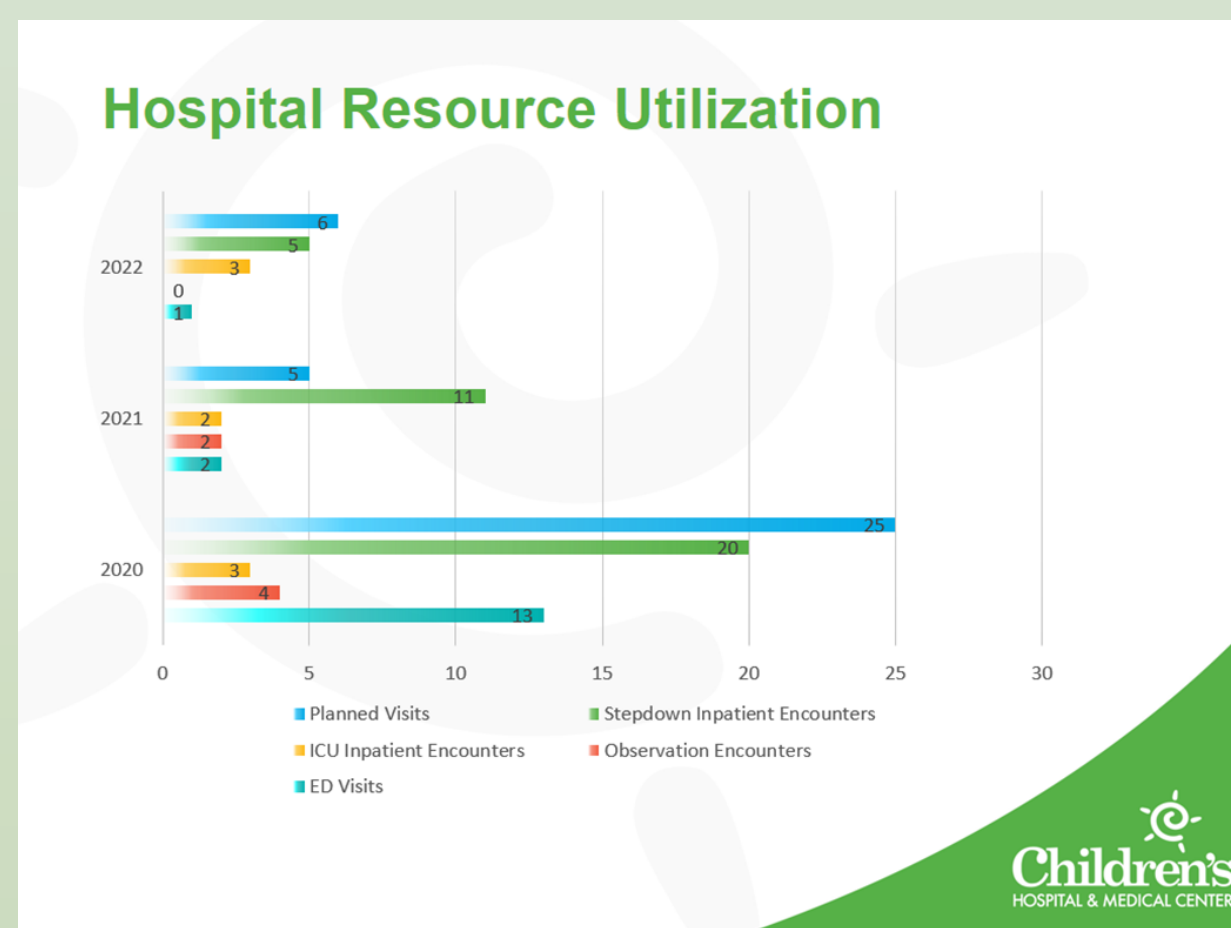
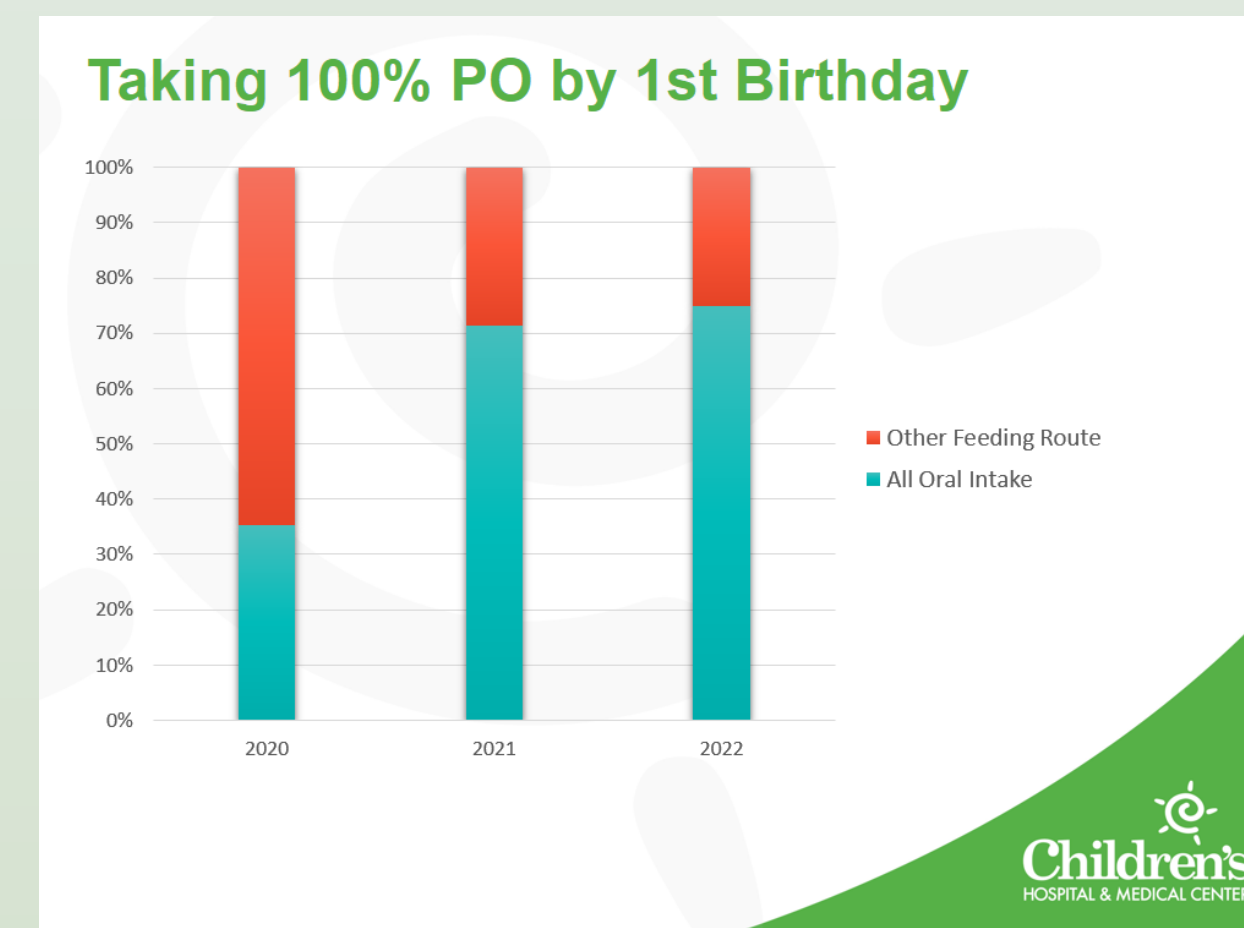
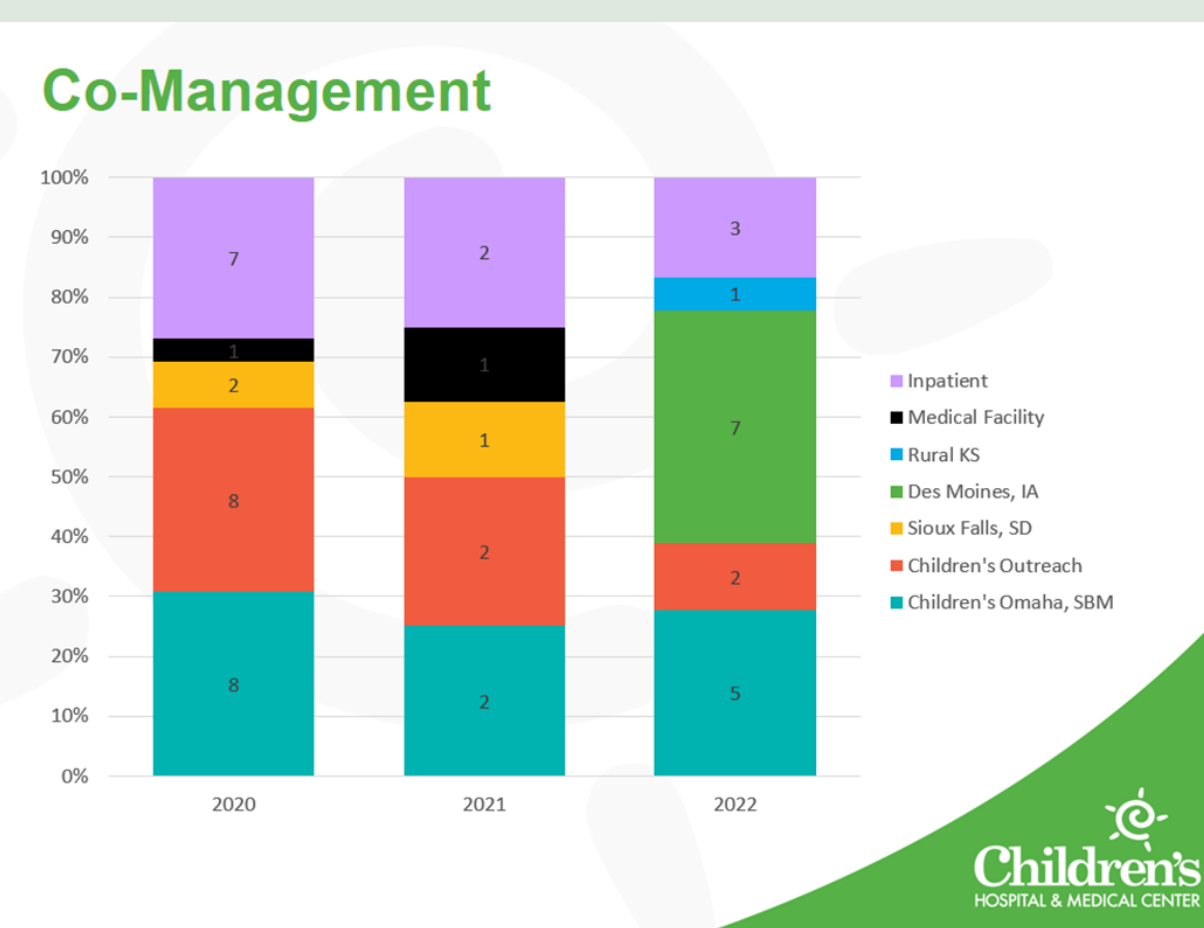
PROGRAM OVERVIEW

Research has shown babies with single ventricles in the "interstage" period, the time between their first stage surgery and second stage surgery, have higher morbidity and mortality (~5-10%). In 2021, Children's partnered with Locus Health to implement digital home monitoring of heart rate, oxygen saturations, feedings etc. that allows our team to watch trends in real time with several goals:

- Improve interstage survival
- Decrease major event readmissions
- Improve growth

PROGRAM HIGHLIGHTS

- Reduction of ED/hospital utilization through real-time care management from family submitted videos and pictures
- Decreased inpatient admissions to ICU and stepdown units
- Collaborative team approach with outside cardiologists and primary care providers to manage care outside of Omaha



CONTACT INFORMATION

Kayla Locke, PA-C
Single Ventricle/Interstate Program
mlocke@childrensomaha.org
402-955-4501

CHILDREN'S DIGITAL HEALTH and INNOVATION PROGRAMS

- Telehealth
- Telemedicine
- Virtual Urgent Care
- Remote Patient Monitoring
- Digital Front Door
- Virtual Reality
- 3-D Printing
- eConsults



FUTURE PLANS and INITIATIVES

- Integration of Locus Health with EMR (Epic)
- Advancement of Patient Wearables
- Virtual Nursing Program
- Mammel Innovation Center