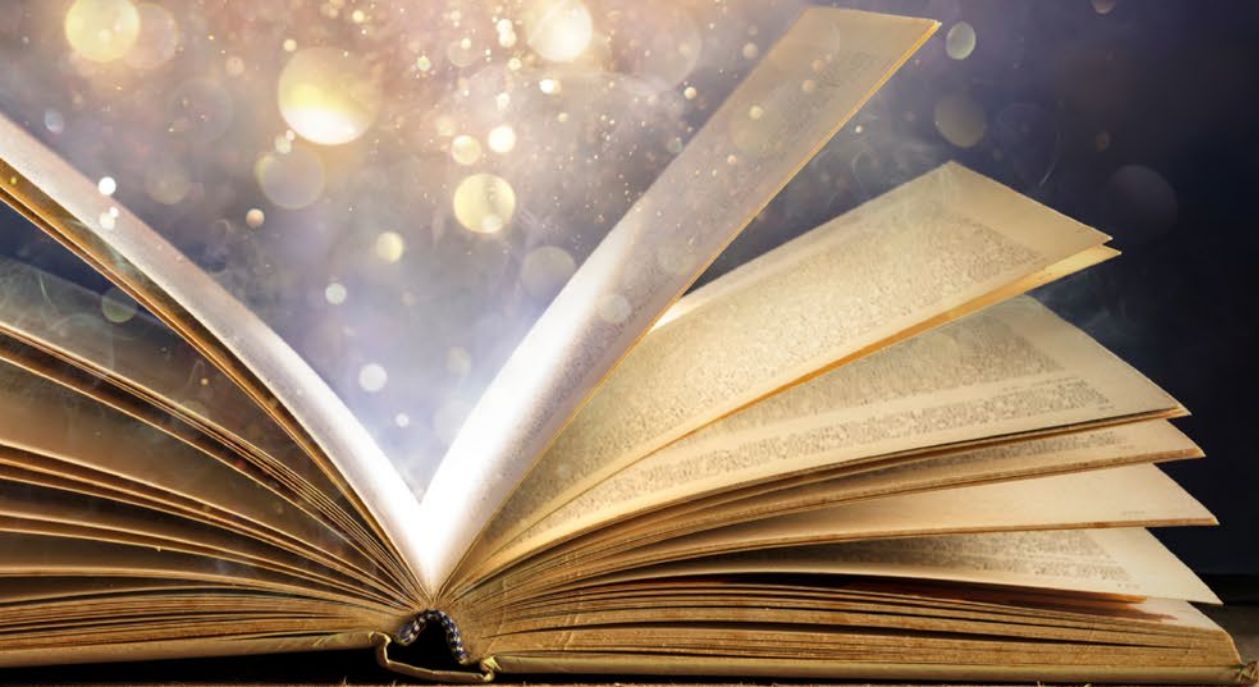


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Care Redesign: Integrating Wearable Technology at the Bedside

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Learning Objectives



- Discuss the implementation of remote patient monitoring, combined with telenursing support in acute care.
- Describe the ability of wearable technology to enhance patient safety measures and improve nursing workflow efficiencies.

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Houston Methodist At A Glance



FACILITIES AND CAPACITY

Houston Methodist is a faith-based, academic medical center comprised of 8 hospitals,

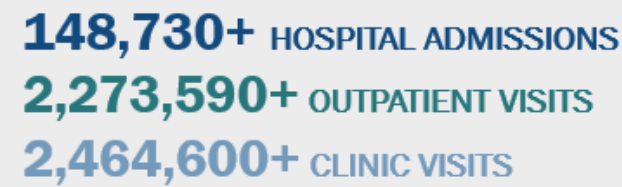


PHYSICIANS AND STAFF



PATIENT ENCOUNTERS

In 2024, Houston Methodist had



RECOGNITION AND ACCOLADES



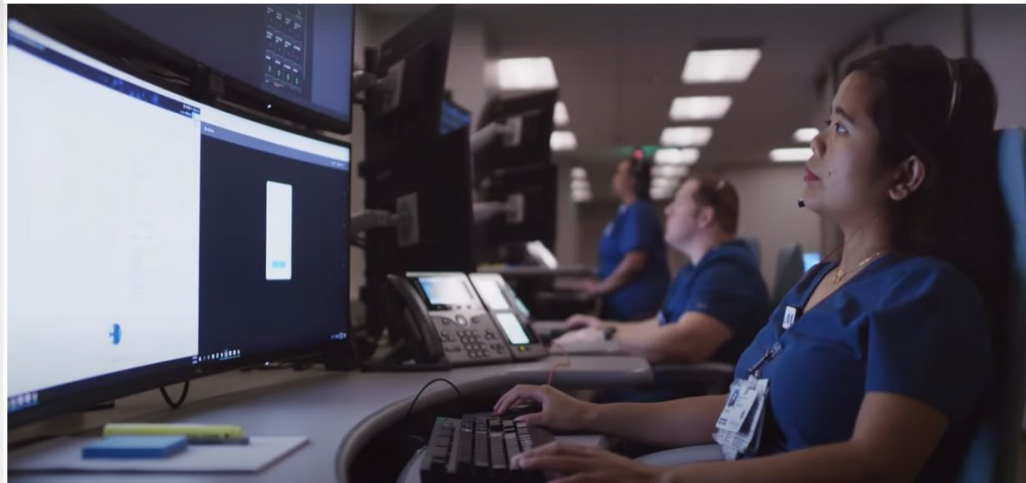
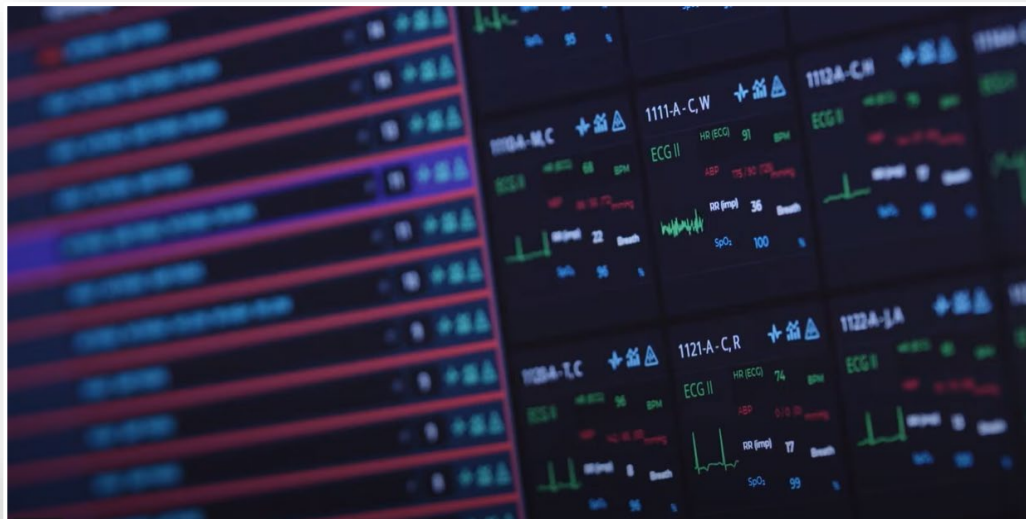
RESEARCH, EDUCATION AND GIVING



More than **\$1.8 BILLION** in charity care and community benefits

Future Bet: Care Redesign

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Wearable Remote Patient Monitoring Device










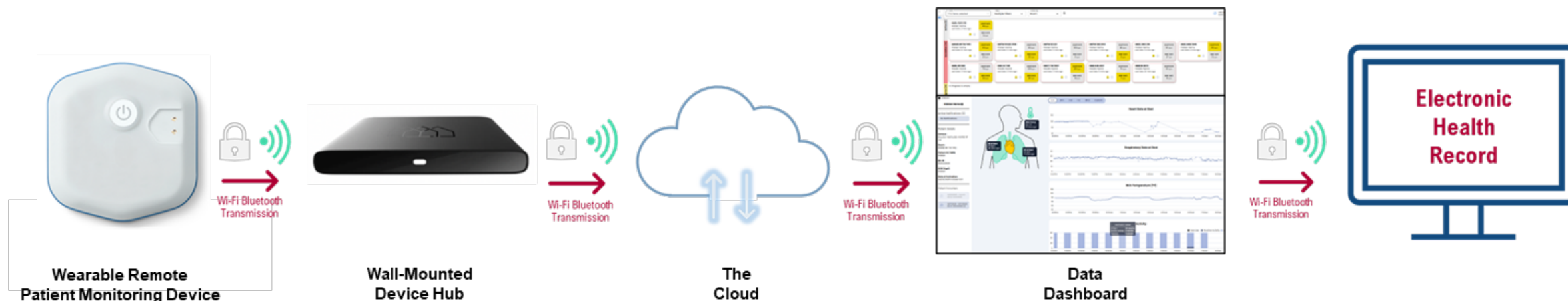
Before Wearable Remote Patient Monitoring Device Vitals



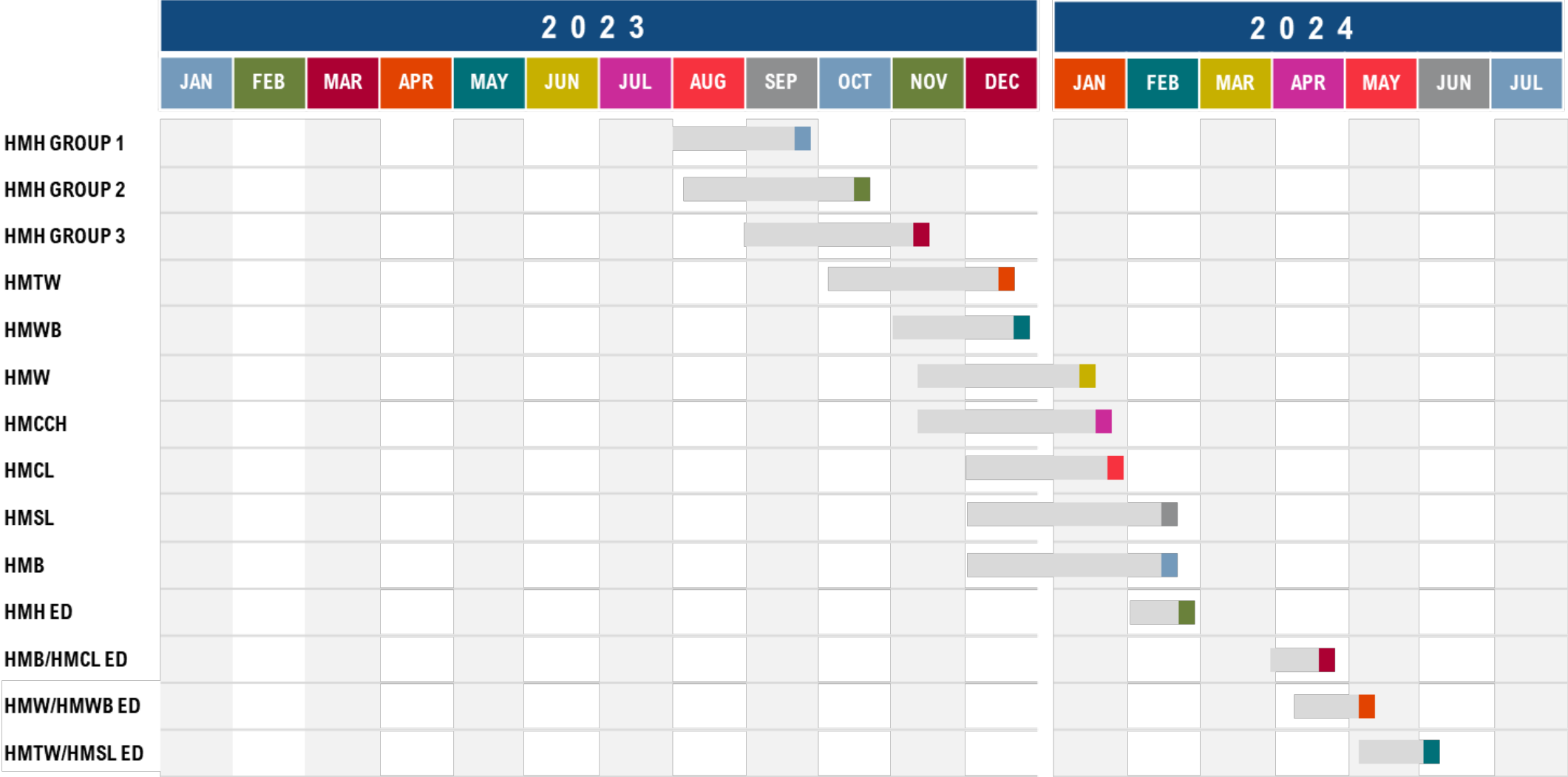
Wearable Remote Patient Monitoring Device Vitals



	Resting HR
	Resting RR
	Skin Temperature
	Activity
	Sleep/Hr
	Sleep/Day
	Device On/Off Button



Implementation Timeline



Good Catches

Intraperitoneal Abscess Requiring
Surgical Intervention

Anastomotic Leak Taken To OR

Necrotizing Pancreatitis

Septic Shock

Hemorrhagic Shock

Tamponade

“You never know what can happen here, and having an extra set of eyes looking at you is a good thing... This sounds like a good use of artificial intelligence.”

- Houston Methodist Patient

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“After we implemented it, the staff loves it.”

- Houston Methodist Nurse Manager

3,000+

Inpatient Beds

8.9M+

Hourly Vitals Sets



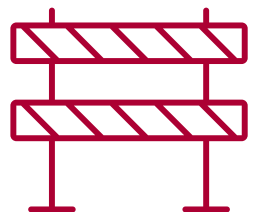
444,000+

Patient Days Monitored

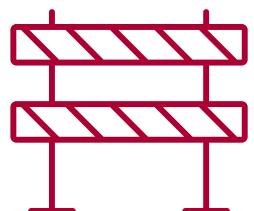
144,000+

Patients

Barriers



**Challenging the
Status Quo To
Embrace Innovative
Approaches**



**Trust that the
Technology Ensures
Accuracy and
Reliability**



Lessons Learned



- Strengthen System-Wide Collaboration to Standardize Workflow Execution
- Leverage Compliance Reporting to Drive Accountability and Improvement
- Prioritize Change Management Through Clear Communication
- Align System Goals with Localized Support for Sustainable Longevity

Key Takeaways



- Innovative Care Redesign
- Improved Patient Safety and Outcomes
- Enhanced Patient Satisfaction
- Increased Direct Patient Care at the Bedside

Questions?



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