

Timely Treatment for Severe AS

Phase 1: Model Share

University of Utah Hospital in Salt Lake City, UT

Background & Rationale

- <50% of severe aortic stenosis (AS) patients receive treatment within one year of symptom onset.*
- University of Utah Health is a 430-bed academic medical center that serves a large area within the Mountain West.
- Structural Heart Clinic sees 306 patients/year → 2021-2023: Performed an average of 156 Transthoracic Aortic Valve Repairs (TAVR)/year and 69 Surgical Aortic Valve Repairs (SAVR)/year → Out-of-state referrals account for 38% of patient population

*Brennan et al., (Journal of the American Heart Association, 2021)

Methods

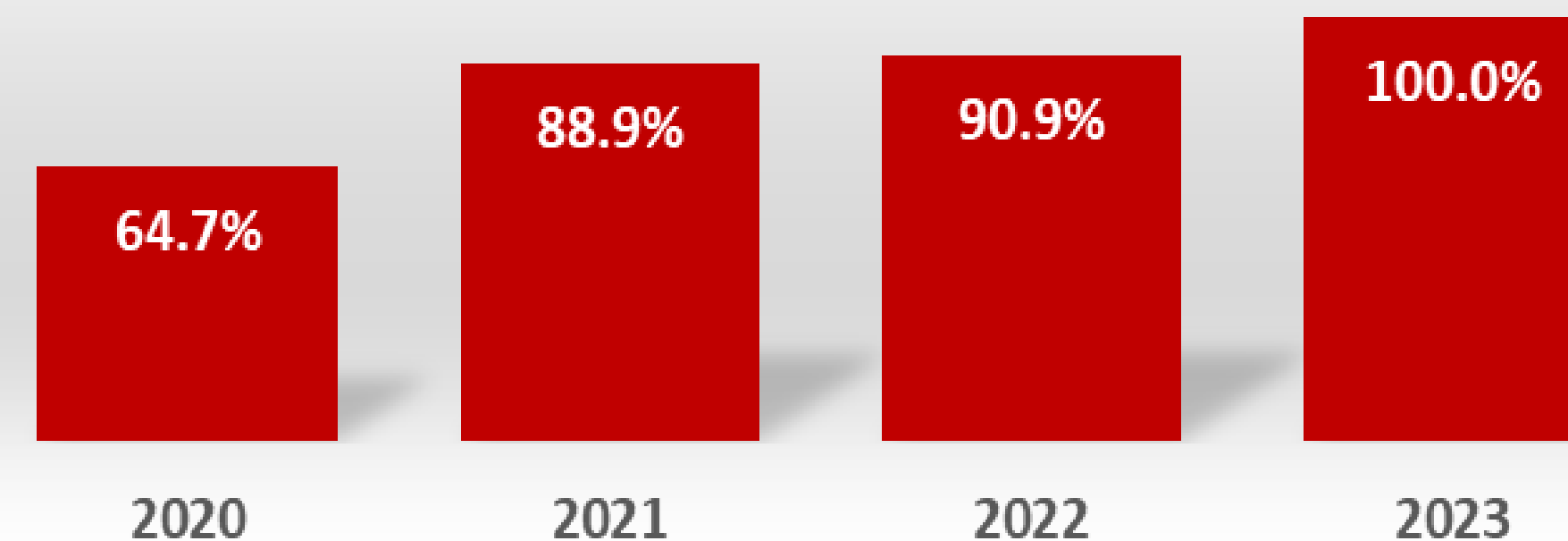
- 2012: Multi-disciplinary valve team initiated.
- 2022: Hired new structural heart coordinator and added Operations Manager.
- 2022: Tableau reports created from echo data to highlight potential but un-referred candidates for valve clinic.
- 2023: Outreach to ordering providers regarding symptomatic status of identified AS patients.
- For non-local patients → same day appointments for echocardiogram and CTA followed by valve clinic visit.

Results

Target: AS findings, based on random sampling to include 15% of severe AS and 5% of moderate AS per echo parameters:

- In four years, 2020 to 2023, 58 patients in Target: AS registry achieved class I indication for AVR.
- 2020- 11 of 17 (64%) received valve replacement within 90 days of class I indication identification.
- 2023- 12 of 12 (100%) received valve replacement within 90 days of class I indication identification.

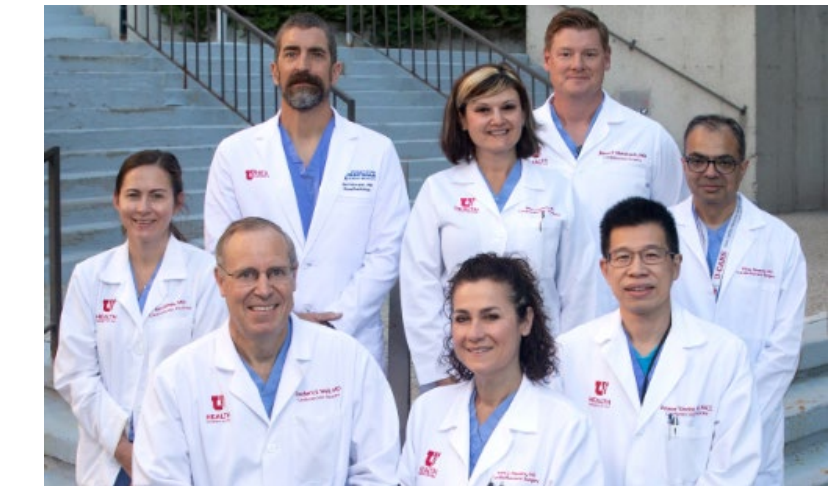
Percentage of U of U sample patients with a Class I indication for AVR who receive definitive treatment (SAVR or TAVI) within 90 days of initial diagnosis



Conclusion & Peer Suggestions

- Investing in high quality support staff and building collaborative multidisciplinary care teams contributes to best care practices.
- Utilizing protocols and data reports to identify gaps in patient care process promotes timely treatment of patients.
- Streamlining appointments provides efficiency and a patient-centered healthcare experience.

Contact Information



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