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#### Bridging the Gap: Improving Aortic Stenosis Referrals

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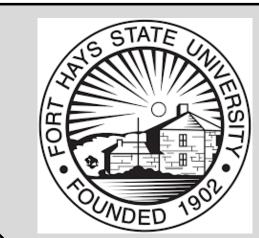
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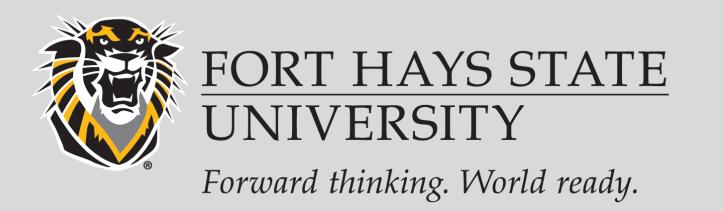
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# **Bridging the Gap: Improving Aortic Stenosis Referrals**

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**RESULTS** 

40, Nov = 33

= 33, Feb 23

significance

P-value = < .00001

patient numbers

implementation.

Pre-intervention total # of patients = 9,018

AS Patients pre-intervention: Sept – 47, Oct =

Post-intervention total # of patients = 9,269

Post-intervention AS patients - Dec = 11, Jan

Minimal change in pre- and post-intervention

Even with the project's results not obtained

as the lead investigator's goal, the idea and

presentation being public could be the start

Future investigation and feedback from

primary care clinics regarding the tools

provided could contribute to successful

Z-test proportion, two tailed hypothesis

Proportion test did not reach statistical

**CONCLUSION** 

of future progress in this topic.

## **BACKGROUND**

- 5 Million diagnosed with heart valve disease each year (John Muir Health, 2019).
- 50 % of those who do not have a ortic valve replacement will not survive 2 years after the onset of symptoms (2019).
- Patients that have severe aortic stenosis (AS) when they encounter the cardiologist have an increased risk of all-cause and cardiovascular mortality even after they have an aortic valve replacement (Lancellotti et al, 2018).
- A new workflow will allow opportunity to efficiently identify and refer eligible patients to streamline the referral and proper treatment (Afrin et al., 2015)

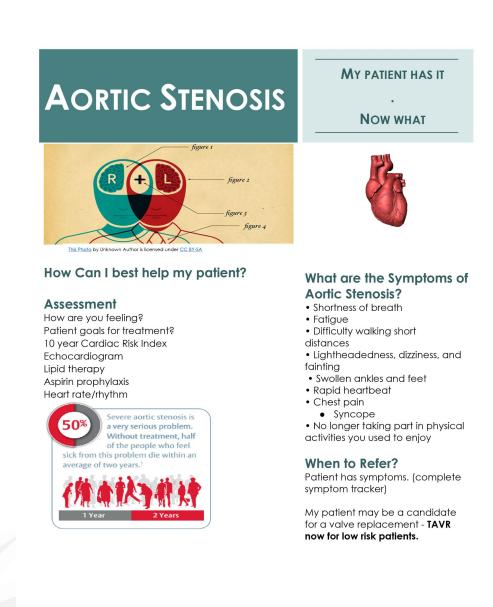
## **MEASURABLE OUTCOMES**

- Total number of patients at rural cardiology clinic pre- and post-intervention
- Total number of patients seen with AS pre- and post-intervention

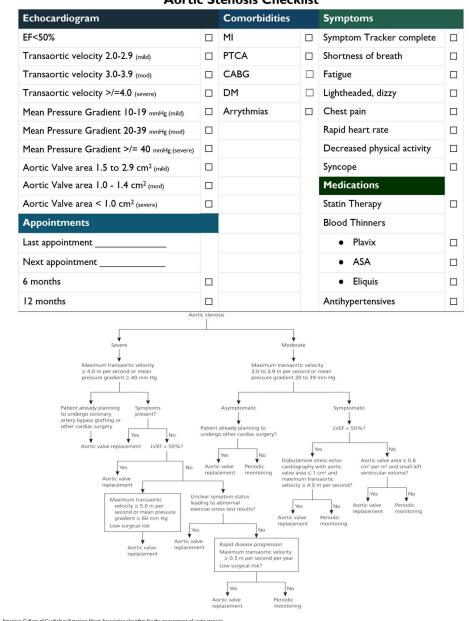
## **PURPOSE**

Create and implement an AS flier, checklist and algorithm for primary care clinics to utilize to increase early referrals to a cardiology clinic.

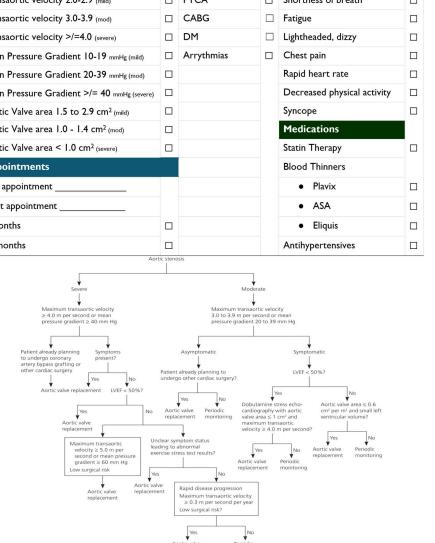
### **Educational Flier**



### **AS Checklist**



## **Aortic Stenosis Checklist**



# MATERIALS/METHODS

### Project Design

- Project Improvement
- Descriptive Statistics, z-test for proportion

### Setting

- Rural cardiology clinic
- 5 Physicians, 6 Nurse Practitioners, 2 Locum physicians

### Sample

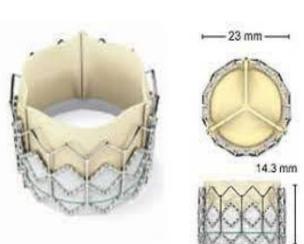
4 Rural Primary Care Clinics in Northwest Kansas

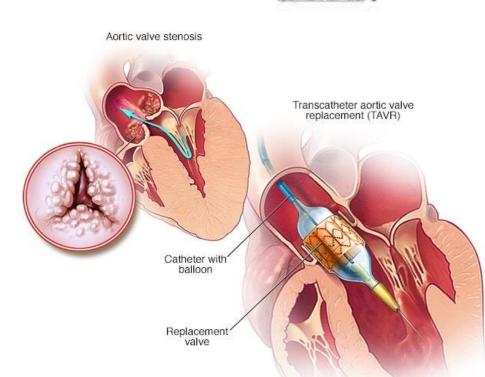
### Instruments

- **Educational flier**
- AS Checklist/algorithm

### Plan

- Development of flier, checklist and algorithm
- 2. Obtain collaboration agreement with rural primary care clinics
- Perform retrospective study of total # of patients & patients with AS at the cardiology clinic
- Provide voice over presentation, educational flier, AS checklist /algorithm to rural primary care clinics
- Follow up with rural clinics for questions
- 6. A 90-day post-intervention retrospective study completed for total # of patients seen & total # of patients with AS at the cardiology clinic





## Further education to primary care clinics and encouragement of early referrals for AS

patients would contribute to future research.

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