

STEEL MAGNOLIAS: Minimizing travel burden of gynecological cancer surveillance through a unique multidisciplinary telehealth program.



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Introduction

Results

Telehealth has rapidly become a staple in cancer care. We previously described issues with traditional virtual visits for our gynecologic cancer (GC) patients.

Lack of access to resources such as reliable internet (25%), smart phone (35%), or personal

Table 1.1: Demographics of patients at time of first STEEL MAGNOLIAS visit.

General Demographics	Median [IQ range]
Age (years)	63.71 [53.87-69.01]
BMI	38.60 [33.30-46.80]

Table 1.2: Demographics regarding STEEL MAGNOLIAS patients'gynecological cancer, including type of cancer, stage, treatment, and status.

Table 2.1: Summary of travel metrics for STEEL MAGNOLIAS appointments.

Travel Metrics	Median [IQ range], n (%)
Originating site for visit	
Zoom from home	66 (36.3%)
Close-by Gyn. clinic	116 (63.7%)
Distance to close-by Gyn. clinic (miles)	16.9 [8.58-21.60]
Length of drive (minutes)	26 [18-35]
Distance to Gyn/Onc's clinic (miles)	137 [132-148]
Length of drive (minutes)	140 [130-150]

computer (40%)

Traditional virtual visits also do not allow for guideline-adherent comprehensive pelvic exams

In-person visits as frequent as every 3 months are often not feasible. Patients often must travel great distances, and many do not have access to a reliable means of transportation.

Gyn/Onc

call on

hospital

tablet

Appointment

with close-

to-home

gynecologist

Shared TEIEheaLth for MultidisciplinAry GyNecOLogIc cAncer Survivorship (STEEL MAGNOLIAS) aims to bridge this gap by introducing multidisciplinary hybrid in-person and virtual video appointments.

Our objective was to demonstrate the **feasibility** of using STEEL MAGNOLIAS for GC surveillance by describing:

Cancer Demographics	Values, n (%)
Type of cancer	
Endometrial	39 (61.9%)
Ovarian/fallopian tube/peritoneal	11 (17.5%)
Cervical	7 (11.1%)
Uterine sarcoma	5 (7.9%)
Vulvar	2 (3.2%)
Vaginal	1 (1.6%)
Other	6 (9.5%)
Highest confirmed stage	
	36 (57.1%)
	6 (9.5%)
	12 (19.0%)
IV	1 (1.6%)
Treatment received	
Surgery	57 (90.5%)
Radiation therapy	22 (34.9%)
Chemotherapy	19 (30.2%)
Hormonal therapy	5 (7.9%)
Put into remission	53 (91.4%)
Experienced recurrent disease	6 (11.3%)
Current status	
Alive no evidence of disease	50 (86.2%)
Alive with disease	8 (13.8%)

Figure 2: Map showing locations of patient homes in comparison to clinics. Purple: Close-by Gyn. clinic, Red: Gyn/Onc clinic, Blue: Patients' homes



Conclusion

The STEEL MAGNOLIAS program is feasible, delivers exceptional GC surveillance care and considerably reduces travel burden for our rural patients.

- travel burden reduction
- cancer outcomes,
- compliance with guideline-adherent care

Methods

- Retrospective chart review was performed
 - 63 gynecologic cancer patients in remission, under surveillance in the STEEL MAGNOLIAS program in rural Louisiana
 - **178 appointments** from March 2020 to September 2023
 - 8 patients (13.8%) were lost to follow up

Measured travel metrics, cancer outcomes, survival status, topics discussed at appointments, and compliance to National Comprehensive Figure 1: Items addressed at STEEL MAGNOLIAS appointments.



Table 2.1: Summary of STEEL MAGNOLIAS appointment accomplishments.

Appointment information	n (%)
Imaging tests ordered	22 (12.1%)
Imaging tests completed	18 (81.8%)
Lab tests ordered	14 (7.7%)

- Patients traveled an average of 10.45 miles for STEEL MAGNOLIAS appointments when compared to the average of 138.78 miles that patients would have had to travel for
- in-person Gyn/Onc appointments.
- Findings concerning for recurrence were discussed at 23 of the appointments (12.7%).
- The majority of appointments (n=100, 76.9%) were attended in concordance with NCCN guidelines.

This study had some limitations:

- Due to its retrospective nature, we may have left patients out of the study who could benefit from the STEEL MAGNOLIAS program.
- A larger sample size would enable us to see more instances disease recurrence, which would further show the value of STEEL MAGNOLIAS.
- Except noting travel burden reduction, we did not compare outcomes of the program to traditional surveillance.

Future work will involve analyzing cost reduction in addition





