

Implementation and Early Experience of a Pediatric Electrophysiology Telehealth Program

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BACKGROUND

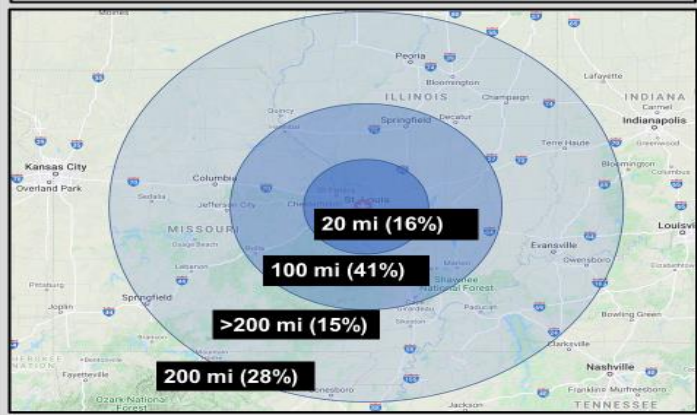
- Rapid Growth in Telehealth (TH) Clinics during COVID-19 pandemic.
- Early adoption of TH due to broad patient catchment area
- Need for high quality specialty care in rural settings

METHODS

- Inclusion Criteria: Any Telehealth patient scheduled between March 2020 and August 2020
- Retrospective chart review to obtain demographics, visit diagnosis, diagnostic testing and billing data
- Completion of phone-based patient satisfaction survey

RESULTS

PATIENT GEOGRAPHIC DISTRIBUTION



RESULTS (con't)

Table 1. PATEINT DEMOGRAPHICS

	# Of patients
Sex	
Female	66 (56%)
Male	52 (44%)
Age Group	
0-5 years	17 (15%)
6-9 years	25 (21%)
>= 10 years	76 (64%)
Appointment Type	
Arrived	118 (98%)
No Show	3 (2%)
Visit Type	
New Patient	39 (33%)
Established Patient	79 (67%)
Diagnoses	
SVT/AT	41 (35%)
Inherited Arrhythmia Syndromes	23 (20%)
VT/PVCs	13 (11%)
Syncope/Near-syncope	13 (11%)
Device Check	6 (5%)
Cardiomyopathy/Myocarditis	4 (3%)
Palpitations	4 (3%)
Complete Heart Block	2 (2%)
Other	12 (10%)

PATIENT SATISFACTION SURVEY RESULTS

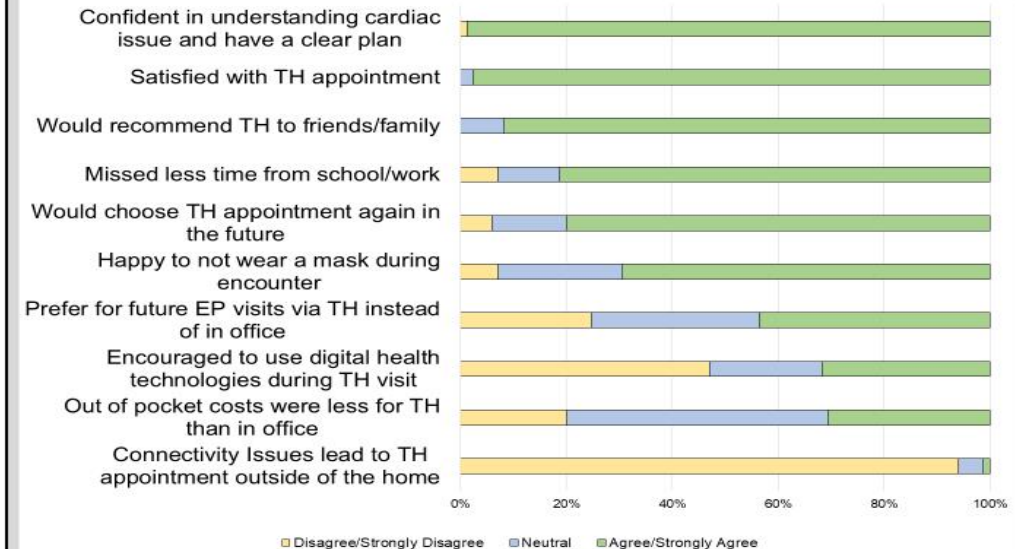


Table 2. TESTING & DOWNSTREAM wRVUs GENERATED

Test	Pre-Visit #	# During Visit	# Post-Visit	Total	wRVU/CPT code	generated wRVUs
12-lead ECG	42	0	5	47	0.17	7.99
Single lead ECG	0	4	1	5	0.15	0.75
Holter Monitor	17	0	13	30	0.39	11.7
Event Monitor	3	0	6	9	0.52	4.68
Echocardiogram	17	0	4	21	1.46	30.66
Exercise Stress Test	4	0	3	7	0.75	5.25
EP Study	2	0	15	17	14.75	250.75
Device Transmission	7	6	5	18	0.74	13.32
Wound Check Photos	10	7	1	18	0	0
Total	102	17	53	172		325.1

CONCLUSIONS

- Pediatric EP Telehealth clinics can provide care for a **wide geographic patient population with diverse pathologies.**
- Pediatric EP Telehealth clinics can be **sustainable** shown by our **high patient satisfaction scores, frequent downstream testing and subsequent wRVU generation.**



link to
publication

**Authors have no relevant financial relationships to disclose