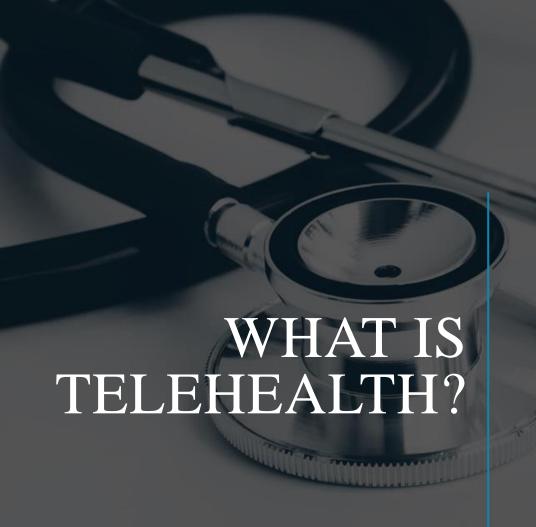
EVALUATING TELEHEALTH VISITS FOR ONCOLOGY PATIENTS:

SATISFACTION AND FEASIBILITY DURING THE COVID-19 PANDEMIC

SRI FINAL PRESENTATION JUSTIN ABE AUG 6, 2020 PI: DR. JARED ACOBA





"The use of medical information... exchanged from one site to another through electronic communication to improve a patient's health." (Tuckson et al., 2017)



PURPOSE OF THIS STUDY



Assess satisfaction with telehealth visits



Telehealth comparable with face-to-face



Standard of Care



HYPOTHESES

- 1. Patients are equally satisfied with telehealth visits as they are with face-to-face visits.
- 2. Patients will want to continue telehealth visits rather than face-to-face visits after the COVID-19 pandemic ends.
- 3. Satisfaction with telehealth will vary depending on patient sociodemographic factors.



METHODS

Patients were identified through EPIC electronic medical records

Eligibility criteria

Contacted by phone and offered to complete a cross sectional survey

Demographic data collected



DATA ANALYSIS





Chi Square test



Logistic Regression



BASELINE DEMOGRAPHICS

	Patients (N=142)
Gender	(11 112)
Female	71 (50%)
Male	71 (50%)
Age, years	
< 40 years	1 (0.7%)
40-49 years	10 (7%)
50-59 years	20 (14.1%)
60-69 years	47 (33.1%)
70-79 years	43 (30.3%)
80 years or older	20 (14.1%)
Prefer not to say	1 (0.7%)

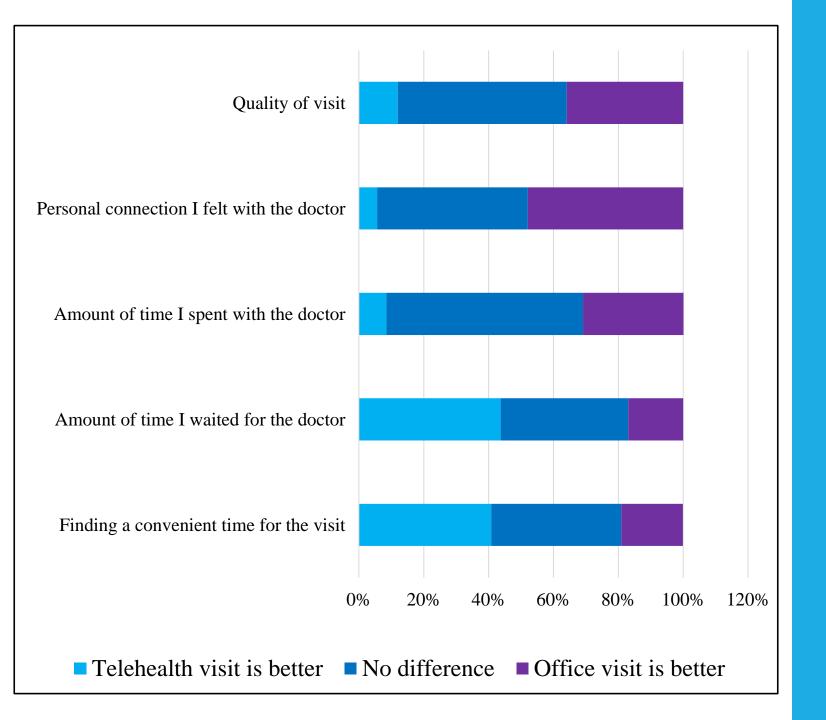
Race	
White	30 (21.1%)
Asian	80 (56.3%)
Native Hawaiian	21 (14.8%)
Mixed or Other	11 (7.7%)
Education	
Elementary through high school	8 (5.6%)
High school	24 (16.9%)
Some college, no degree received	22 (15.5%)
2-year college program	30 (21.1%)
4-year college program	29 (20.45%
Post-graduate school	29 (20.45%



BASELINE DEMOGRAPHICS

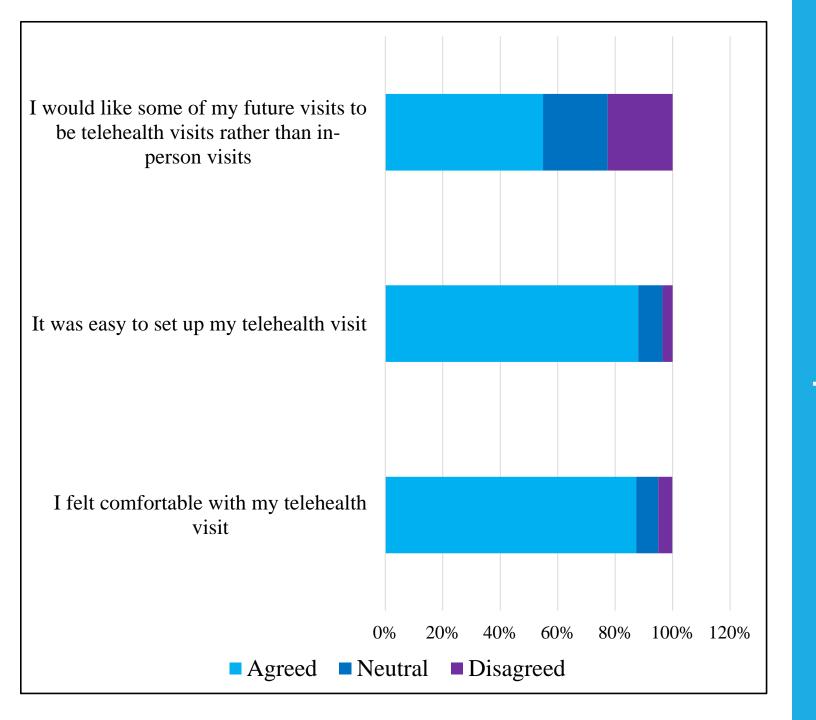
Income	
Less than \$30,000	22 (15.5%)
\$30,000-59,999	23 (16.2%)
\$60,000-89,999	26 (18.3%)
More than \$90,000	43 (30.3 %)
Prefer not to say	28 (19.7%)
Insurance	
QUEST or Medicaid	9 (6.3%)
Private	59 (41.5%)
Medicare w/ supplement	50 (35.2%)
Medicare w/o supplement	21 (14.8%)
I don't know	3 (2.1%)
Location	
15-minute drive or less	34 (23.9%)
Between a 16 to 30-minute drive	57 (40.1%)
More than 30-minute drive	31 (21.8%)
Outer islander	20 (14.1%)





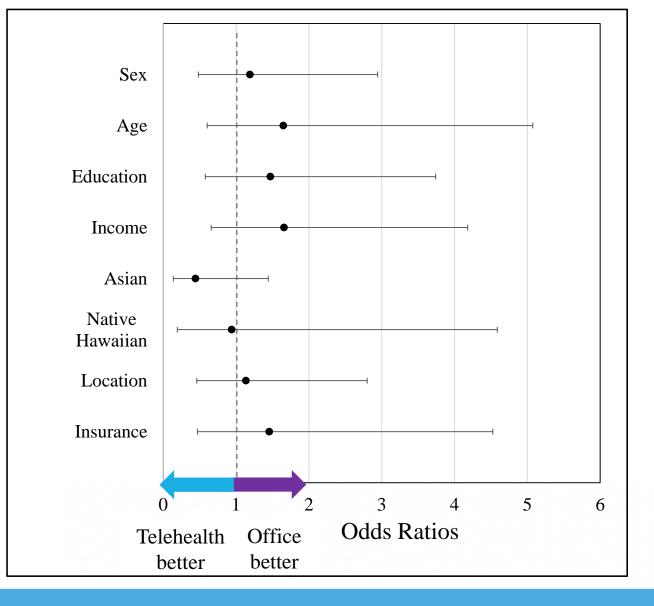
PATIENT PERCEPTION OF TELEHEALTH VS. OFFICE VISITS





PATIENT PERCEPTION OF TELEHEALTH VISIT





	Odds Ratio	95 % CI	p value
Time spent with the physician	25.773	6.159 - 107.845	<0.05
Patient-physician relationship	37.574	7.905 - 178.59	< 0.05
Wait time	3.235	0.495 - 21.13	NS
Finding a convenient time for the visit	1.391	0.225 – 8.589	NS

PREDICTORS OF QUALITY OF TELEHEALTH VISIT



Other Findings

- 1. Patients who were comfortable with their telehealth visit were significantly more likely to want to continue telehealth (p<0.05)
- 2. Patients whose telehealth visit included video viewed the visit more favorably than patients whose visit only included audio (p<0.05)
- 3. Ability to set up a telehealth visit independently was not associated with feeling comfortable with the visit



SIGNIFICANCE OF THE STUDY

- Abrupt shift in practice from face-to-face visits to telehealth visits
- Social distancing precautions are still in effect
- Further understand and continue to improve telehealth interventions



COMPARED TO OTHER STUDIES

Less satisfied with the quality of telehealth

Fewer patients are willing to have future telehealth visits

No relationship between sociodemographic factors and quality

- 64% satisfaction in current teleoncology study
- 82% satisfaction in past rural teleoncology study

Source: Majeed et al., 2019

- 77% desire to continue in current teleoncology study
- 89% desire to continue in past rural teleoncology study

Source: Hamilton et al., 2018

- No statistically significant relationship
- Female gender and insurance status was predictive of satisfaction

Source: Polinski et al., 2019



LIMITATIONS OF THE STUDY

Hard of hearing

Two types of biases

- Recall bias
- Social desirability bias

Sample size



FUTURE DIRECTIONS



Patient physician relationship



Type of device



Other types of patients in Hawaii



MAHALO!

PI: Dr. Jared Acoba

Questions? Email abejr@usc.edu



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