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INTRO

Assess differences in both treatment completion and visit attendance between patients who completed their new patient exam using Zoom (N=82) and those who did not (N=572).

METHODS

- Data source; EDR (AxiUm)
- Dependent; treatment completion, second visit attendance
- Independent; teledentistry (Y/N)
- Covariates; age, sex, distance, insurance, SHCN, initial visit modality, care setting (dental clinic/OR), and dental sextants planned

STATISTICAL ANALYSES

- Bivariate analyses; Fishers exact test, ANOVA, Trend test, Chi-squared test
- Multivariable analyses adjusted for covariates

HOW IS TELEDENTISTRY USED?

- New patient exam using Zoom with a pediatric dental resident at the clinic and the parent/patient remotely
- Subsequent visits scheduled at the dental clinic or the OR under GA

MAIN GOALS OF TELEDENTISTRY

- Save time and travel cost
- Develop a treatment plan

Odds of treatment plan completion or second visit attendance were similar among children seen for a new patient exam via teledentistry or in person.

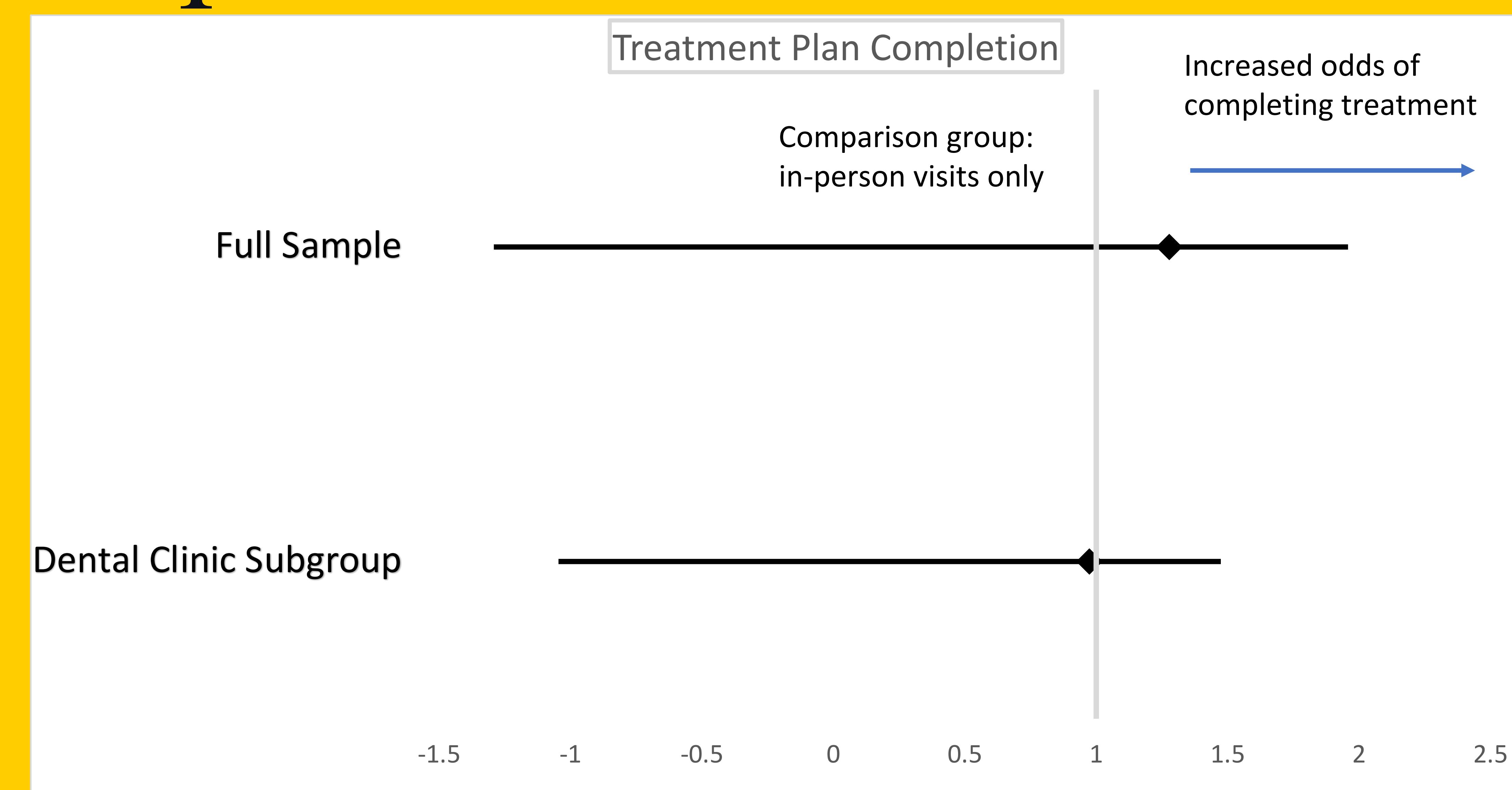


Figure 1. Odds of completing treatment adjusted for covariates among the full sample (OR, 1.278; 95% CI, 0.68 to 2.57; p=0.469) and the dental clinic subgroup (OR, 0.974; 95% CI, 0.50 to 2.02; p=0.940). A multivariable model for completing treatment in the OR could not be generated since there were no patients with incomplete treatment status in the teledentistry group, i.e., all patients completed treatment

STUDY SAMPLE

- Inclusion; children with a "referred status," seen for the first time between July 2020 and January 2021.
- Exclusion; no treatment needs, emergency visits only, patients not treated by residents
- Groups; full sample, dental clinic subgroup, OR subgroup

Table 1. Full sample (N=654) and dental clinic subgroup (N=504) multivariable logistic regression results estimating odds of completing treatment .

	Treatment Completion					
	Full sample (n=654)			Dental Clinic Subgroup (n=504)		
	OR	95% CI	p	OR	95% CI	p
In person	REF			REF		
TD	1.278	0.68-2.57	0.469	0.974	0.50-2.02	0.940

Table 2. Full sample (N=654), dental clinic subgroup (N=504), and OR (N=150) subgroup, multivariable logistic regression results estimating odds of cancelled/failed second visit attendance adjusted for covariates.

	Second Visit Attendance					
	Full Sample (n=654)			Dental Clinic Subgroup (n=504)		OR Subgroup (n=150)
	OR	95% CI	p	OR	95% CI	p
In person	REF			REF		
TD	0.695	0.35-1.29	0.267	0.632	0.27-1.32	0.247
	0.692	0.18-2.31	0.565			