

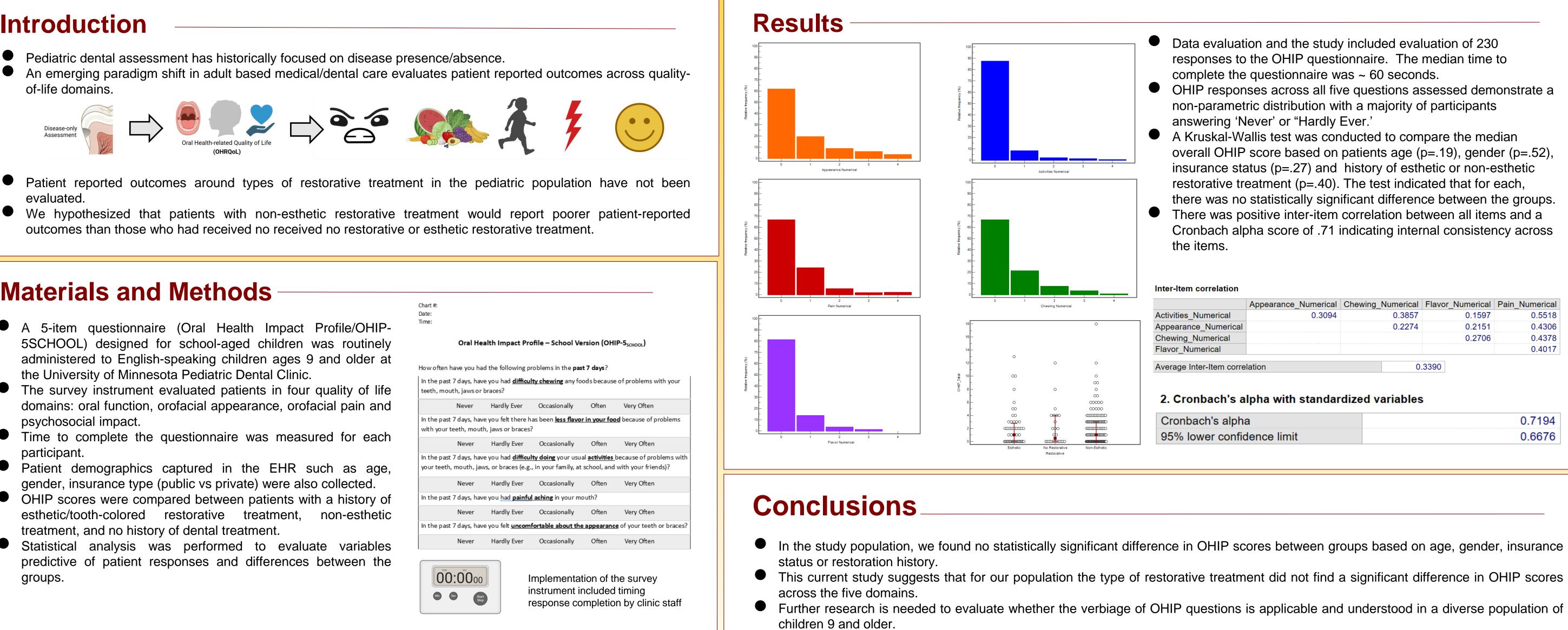
Evaluation of the impact of restorative treatment on patient reported outcomes using OHIP-5 SCHOOL

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Introduction

Pediatric dental assessment has historically focused on disease presence/absence.

of-life domains.



- evaluated
- outcomes than those who had received no received no restorative or esthetic restorative treatment.

Materials and Methods

- A 5-item questionnaire (Oral Health Impact Profile/OHIP-5SCHOOL) designed for school-aged children was routinely administered to English-speaking children ages 9 and older at the University of Minnesota Pediatric Dental Clinic.
- The survey instrument evaluated patients in four quality of life domains: oral function, orofacial appearance, orofacial pain and psychosocial impact.
- Time to complete the questionnaire was measured for each participant.
- Patient demographics captured in the EHR such as age, gender, insurance type (public vs private) were also collected.
- OHIP scores were compared between patients with a history of esthetic/tooth-colored restorative treatment, non-esthetic treatment, and no history of dental treatment.
- Statistical analysis was performed to evaluate variables predictive of patient responses and differences between the groups.

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Data evaluation and the study included evaluation of 230 responses to the OHIP questionnaire. The median time to complete the questionnaire was ~ 60 seconds.

OHIP responses across all five questions assessed demonstrate a non-parametric distribution with a majority of participants answering 'Never' or "Hardly Ever.'

• A Kruskal-Wallis test was conducted to compare the median overall OHIP score based on patients age (p=.19), gender (p=.52), insurance status (p=.27) and history of esthetic or non-esthetic restorative treatment (p=.40). The test indicated that for each, there was no statistically significant difference between the groups. There was positive inter-item correlation between all items and a Cronbach alpha score of .71 indicating internal consistency across

| ppearance_Numerical Chewin | ig_Numerical | Flavor_Numerical | Pain_Numerical |
|----------------------------|--------------|------------------|----------------|
| 0.3094 | 0.3857 | 0.1597 | 0.5518 |
| | 0.2274 | 0.2151 | 0.4306 |
| | | 0.2706 | 0.4378 |
| | | | 0.4017 |

0.3390

2. Cronbach's alpha with standardized variables

| | 0.7194 |
|------------|--------|
| ence limit | 0.6676 |

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