

The Effects of a Total Task Chaining, Music, & Visual Aid Intervention on Handwashing Performance



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Introduction

- Personal hygiene is an essential skill for greater independence, access to the community, when building relationships, & in employment (McClannahan et al., 1990)
- Handwashing reduces the spread of many diseases and conditions such as respiratory and diarrheal infections (CDC, 2024)
- Necessary during key times, such as during food preparation or consumption, when ill or in contact with someone who is ill, after contact with human or animal waste, and when treating wounds (CDC, 2024)

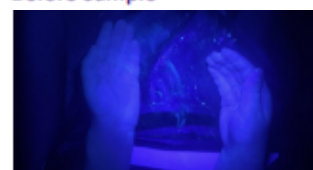
Project:

- **Purpose:** Evaluate the effects of total task chaining, music, and a visual aid on the accuracy, duration, and quality of handwashing.
- **Participant:**
 - 5-year-old boy diagnosed with ASD receiving services in an early intervention program
- **Setting:**
 - Bathroom utilized during regular service delivery (shower, toilet, sink, mirror, & paper towel.

Methods:

-Procedures:

- Glo Germ gel and UV light were used to simulate and visualize handwashing quality
- Task analysis developed based on handwashing steps & CDC recommendations



- **Discussion:** Environmental distractions & having multiple sessions within a day may have influenced performance. Further data needed & replication.

Results:

