



**SCHOOL OF** MEDICINE

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# Background

In May of 2022, parents living in the United States (U.S.) experienced a significant infant formula shortage with national out-of-stock rates of up to 74% for the week ending in May 28, 2022 [1].

### **Longstanding Contributing Factors:**

- Few U.S. formula producers
- U.S. trade policy and high tariff rates
- Infant formula rebate contracts used by the Special Supplemental Nutrition Program for Woman Infant Children (WIC)

#### **Precipitating Factors:**

- Supply chain issues related to COVID-19 (2020 to present) <sup>[2]</sup>
- ✤ Infant formula recall due to contamination (February 2022) <sup>[3]</sup>
- Closure of major manufacturing plant that supplies one-fifth of all U.S. formula (February 2022)<sup>[4]</sup>

# Methods

#### Study Design

Anonymous, electronic, cross-sectional survey administered from May to June 2022 that investigated:

- Infant consumption 7 days prior to and during the infant formula shortage
- Parental experience with available resources
- Parental sentiments towards proposed resources

#### **Inclusion Criteria**

- ✤ U.S. resident
- ♦ Infant  $\leq$  12 months old
- Experienced challenges feeding infant due to formula shortage

#### **Data Analysis**

- Statistical significance: p < 0.05 with Bonferroni-adjusted p-</p> values
- Infant feeding practices: McNemar test
- Perceived guidance and support for feeding infants: Fisher's exact two-tailed test
- Ranked helpfulness of available resources: Kruskal-Wallis one-way analysis of variance
- Ranked helpfulness of proposed resources: descriptive statistics

# Infant Feeding Practices and Parental Perceptions During the 2022 **United States Infant Formula Shortage Crisis**

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