

What do Diaper Banks do?

- Obtain and distribute diapers and other sanitary products through a network of local partners
- Ensure all families have **sufficient access to diapers and period products**
- Advocate for key policy reforms like making diapers and period products tax-exempt



Importance

- Diaper banks are the **primary provider** of diapers to those in need
- Lack of diapers **limits families' ability** to access childcare, go to school, and work
- Lack of diapers also negatively impacts the **health of children**

Our Data

- **Survey:** Economic Impact Study of Basic Needs Diaper Provision by Diaper Bank
- Conducted by The National Diaper Bank from 2019-2021 with **65 participating diaper banks** across **29 states**
- 6221 responses, 343 variables

Goals

- Provide diaper banks with insights on how to **allocate existing resources more efficiently**
- Communicate the economic impact of diaper banks to the government and public to **increase funding and awareness**
- Provide diaper banks with a **better understanding** of those they serve

Sources

- National Diaper Bank Network (2023). *National Diaper Bank Network's study of diaper insecurity, health, and economic mobility in the US*. <https://nationaldiaperbanknetwork.org/EIS/>
- U.S. Census Bureau. (2021). 2009-2021 *American Community Survey 5-year Data* [Detailed Tables]. Retrieved from <https://www.census.gov/data/developers/data-sets/acs-5year.html>
- Photograph provided by Wilson O. Weldon, III.

Visualizations

How Diaper Bank Recipients Access Diaper Bank Products

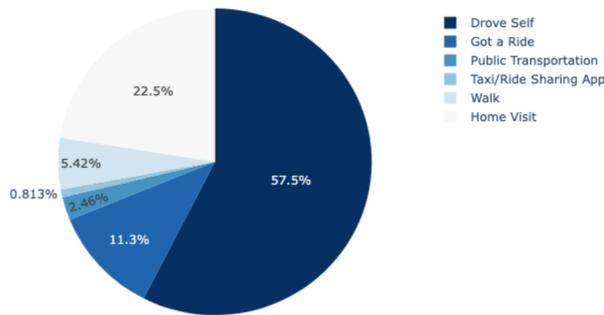


Figure 1. Over half of diaper bank recipients drive themselves to diaper distribution sites, while almost a quarter receive diaper bank products at home.

Distribution of Household Income in 2020

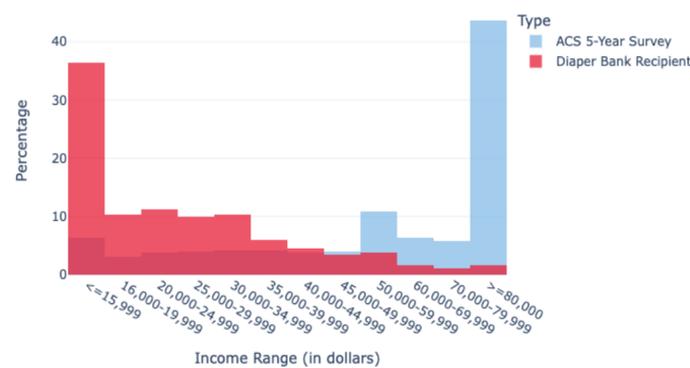


Figure 2. The majority of families helped by diaper banks make below \$25,000 a year, while the majority of US families make above \$60,000 a year.

Distribution of Preterm vs Term Babies by Race or Ethnic Identity

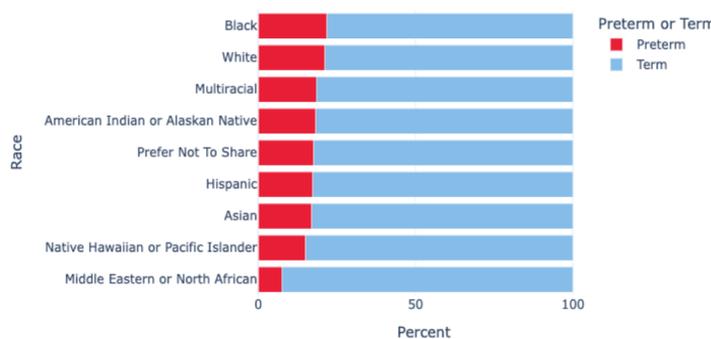


Figure 3. The percentages of preterm babies across the different race and ethnic identities have relatively little variation.

Distribution of Education Type

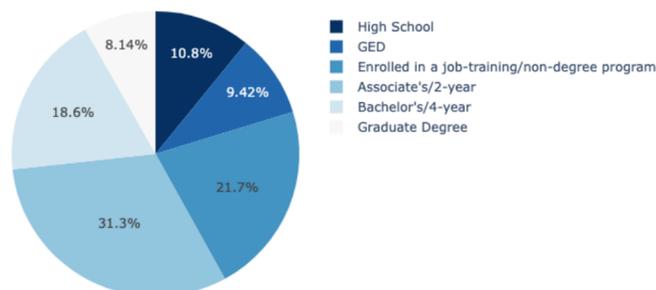
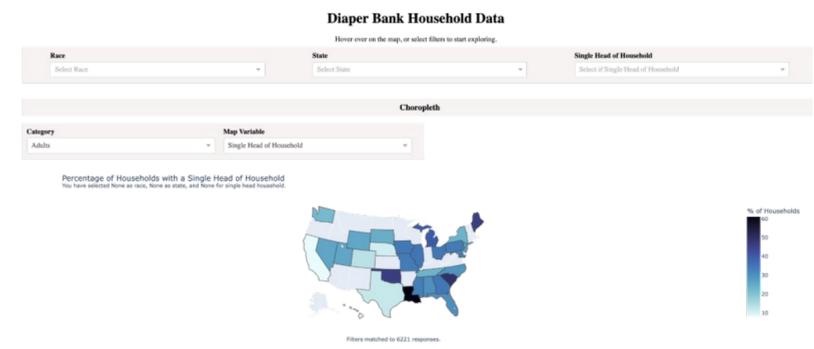
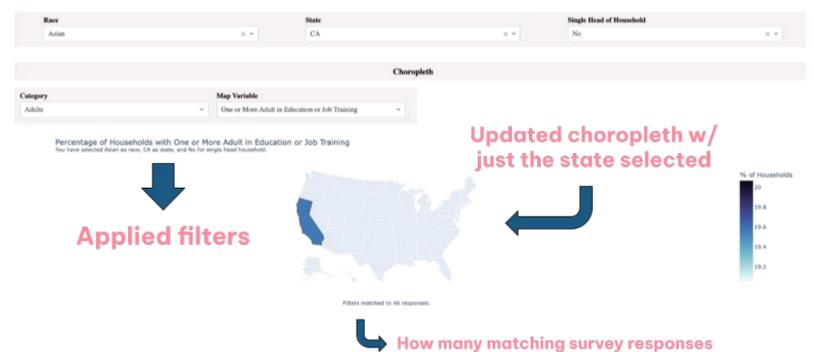
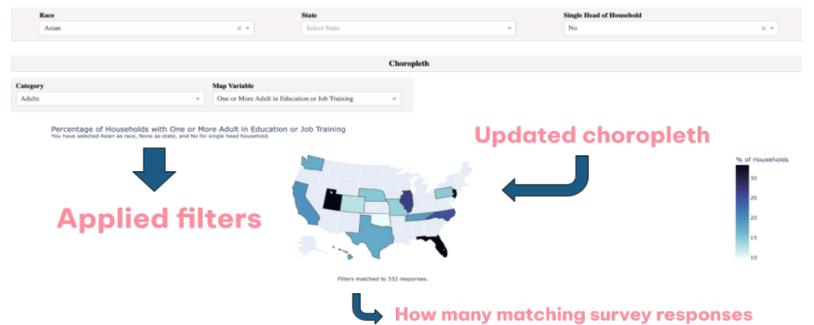


Figure 4. The majority of surveyed adults undergoing education are either working towards an Associate's or in a job-training/non-degree program.

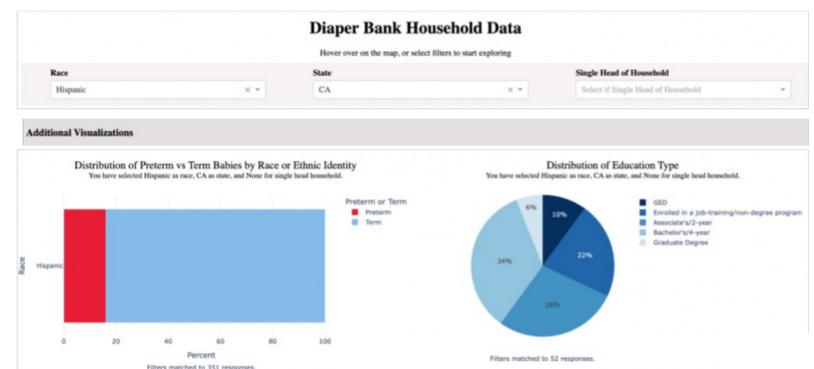
Dashboard



Filtering Choropleth



Filters selected from above affect additional visualizations:



187,794,902

total diapers distributed in 2021

258,720

average number of children served monthly

64%

of households that use outside childcare need to **SEND DIAPERS** with their child.

48%

of children **NO LONGER** got a diaper illness after receiving diaper products from their diaper bank.

Tools Used

Web Application Tools: Python, HTML, CSS, Canva
Packages: Pandas, NumPy, Plotly, Dash