Outline

- Objectives
- Hypothesis
- Methodology
- Demographics
- Results
- Conclusions
- Next Steps
Objectives

- Identify food handling practices of food delivery service users
- Develop food safety intervention for food delivery service users
Hypothesis

- Development of food safety intervention targeted for food delivery service users will result in positive change in food handling practices in households
Methodology

• Three delivery services were considered – Meal kit, grocery and prepared food delivery

• Survey questions were developed using validated survey questions (Byrd-Bredbenner, et al., 2010)

• Qualtrics XM was used for survey distribution

• Survey was fielded from July – September 2020
Survey Questions

- What food delivery service have you used?
- How often do you use food delivery service?
- How do you handle food after delivery?
- How do you handle perishable food items?
- Do you wash your hands before handling food?
- Do you sanitize your food packaging?
- Demographic questions
DEMOGRAPHICS
Gender, Ethnicity and Income of food delivery service users (n= 657)
Residence, Age and # of kids in households of food delivery service users (n= 657)
Responders’ Distribution across all Delivery Services (n = 657)

G – Grocery delivery, P – Prepared food delivery, M – Meal kit delivery
Gender, Ethnicity and Income of Grocery delivery service users (n= 516)

- Gender: 44% Female, 42% Male
- Ethnicity: 4% Asian, 10% Black or African American, 13% Hispanic, 2% Other, 56% White
- Income: 11% less than $20,000, 14% $20,000 - $29,999, 10% $30,000 - $39,999, 9% $40,000 - $49,999, 12% $50,000 - $59,999, 46% $60,000 and above
Residence, Age and # of kids in households of Grocery delivery service users (n= 516)
Gender, Ethnicity and Income of Meal Kit Delivery Service Users (n= 214)
Residence, Age and # of kids in households of Meal Kit Delivery Service Users (n=214)
Gender, Ethnicity and Income of Prepared Food Delivery Service Users (n=399)

<table>
<thead>
<tr>
<th>Gender</th>
<th>Ethnicity</th>
<th>Income</th>
</tr>
</thead>
<tbody>
<tr>
<td>Female</td>
<td>52%</td>
<td>70%</td>
</tr>
<tr>
<td>Male</td>
<td>48%</td>
<td>47%</td>
</tr>
<tr>
<td>Asian</td>
<td>3%</td>
<td>9%</td>
</tr>
<tr>
<td>Black or African American</td>
<td>11%</td>
<td>14%</td>
</tr>
<tr>
<td>Hispanic</td>
<td>14%</td>
<td>11%</td>
</tr>
<tr>
<td>Other</td>
<td>3%</td>
<td>7%</td>
</tr>
<tr>
<td>White</td>
<td>70%</td>
<td>12%</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Income Range</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>less than $20,000</td>
<td>9%</td>
</tr>
<tr>
<td>$20,000 - $29,999</td>
<td>14%</td>
</tr>
<tr>
<td>$30,000 - $39,999</td>
<td>11%</td>
</tr>
<tr>
<td>$40,000 - $49,999</td>
<td>7%</td>
</tr>
<tr>
<td>$50,000 - $59,999</td>
<td>12%</td>
</tr>
<tr>
<td>$60,000 and above</td>
<td>47%</td>
</tr>
</tbody>
</table>
Residence, Age and # of kids in households of Prepared Food Delivery Service Users (n= 399)

<table>
<thead>
<tr>
<th>Residence</th>
<th>Age</th>
<th># of kids in household</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rural</td>
<td>11%</td>
<td>0%</td>
</tr>
<tr>
<td>Suburban/semi</td>
<td>48%</td>
<td>17%</td>
</tr>
<tr>
<td>Urban</td>
<td>41%</td>
<td>23%</td>
</tr>
<tr>
<td>18-34</td>
<td>32%</td>
<td>53%</td>
</tr>
<tr>
<td>35-54</td>
<td>35%</td>
<td>17%</td>
</tr>
<tr>
<td>Above 55</td>
<td>34%</td>
<td>23%</td>
</tr>
<tr>
<td>3 and above</td>
<td>34%</td>
<td>7%</td>
</tr>
</tbody>
</table>
SURVEY RESULTS
Delivery Service – Use Frequency
(number of response = 1174)
How long do you wait to put perishable items away? (number of response = 1174)

- **Prepared Food**
  - Immediately: 59%
  - Less than 30 minutes: 31%
  - Less than hour: 8%
  - More than an hour: 3%

- **Meal Kit**
  - Immediately: 65%
  - Less than 30 minutes: 26%
  - Less than hour: 6%
  - More than an hour: 3%

- **Grocery**
  - Immediately: 68%
  - Less than 30 minutes: 22%
  - Less than hour: 6%
  - More than an hour: 4%
How long do you usually keep leftover food and then eat it? (number of response = 1174)
Do you wash your hands before handling food? (n = 657)

- No, I do not wash my hands
- Yes, I wash my hands

98% Yes, I wash my hands
2% No, I do not wash my hands
How do you wash your hands?

(n = 643)

- At least 20 seconds: 38%
- With soap: 75%
- With water: 8%
- I scrub/rub my hands: 57%
- I dry my hands: 5%