Feed1st Program and Research

Megan DePumpo, AM
Director of Research Operations and Strategy

November 14, 2018
The Cycle of Food Insecurity and Chronic Disease

1Seligman et. al. NEJM 2010.
Background
24/7/365 Self-Serve Pantries

2nd Floor Pantry

5th Floor Pantry

4th Floor Pantry

6th Floor Pantry

Oncology Pantry
Components

Sign in sheet: ZIP, # in family, time
Documented Number of Households/Individuals
By Self-Reported Use February 2010 – September 2018

- Cumulative individuals: 16,939
- Cumulative households: 5,239

- Emergency Department Pantry Opens
- Oncology Pantry Opens
- 2nd & 4th Floor Pantries Open
- 5th & 6th Floor Pantries Open

Number of individuals and households over time from 2010 to 2018.
**Establishing Need**

Feed First, Ask Questions Later: Alleviating and Understanding Caregiver Food Insecurity in an Urban Children’s Hospital

<table>
<thead>
<tr>
<th>Household Food Insecurity</th>
<th>Hospital Food Insecurity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td></td>
<td>No</td>
</tr>
<tr>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td></td>
<td>No</td>
</tr>
</tbody>
</table>

54% of caregivers experienced food insecurity

Published August 2015

Makelarski et. al. AJPH 2015.
Establishing Need

- American Academy of Pediatrics call to action for food insecurity screening in medical centers

- Recommends modified “Yes or No” version of 2-item Hunger Vital Sign

1. Within the past 12 mo, we worried whether our food would run out before we got money to buy more. *(Original response options: Often true; Sometimes true; Never true)*

2. Within the past 12 mo, the food we bought just didn’t last and we didn’t have money to get more. *(Original response options: Often true; Sometimes true; Never true)*

---

3Gitterman et. al., Pediatrics. 2015.
Establishing Need$^5$

Diagnostic Accuracy of Two Food Insecurity Screeners Recommended for Use in Health Care Settings

Jennifer A. Makelarski, PhD, MPH, Emily Abramsohn, MPH, Jasmine H. Benjamin, MA, Senxi Du, BA, and Stacy Tezler Lindau, MD, MAPP

Published November 2015

The AAP-recommended tool missed nearly 25% of food-insecure adults screened in the hospital

$^5$Makelarski et. al. AJPH 2017.
Checking In…

• How many of you work at a place that screens patients or families for food insecurity?
• How many of you know the food insecurity rate for your patient population?
Asset Based Community Engaged Approach[^6]

[^6]: Lindau et al. Preventive Medicine, 2011.
Feed1st Operations

1. Monthly Inventory
2. Stock Food
3. Cart Food to Pantries
4. Monthly Food Depository Delivery
5. Food Depository Order
Champions

1. Leader
2. Unit Manager
3. Volunteer Manager
4. Physical Plant
5. Advisory Board
Feed1st Central Model

• Led by physician scientist with expertise in food insecurity, ethics
• Operations oversight:
  • Continuous quality improvement, evaluation
  • Community resource navigation
• Stakeholder engagement:
  • Representation in national health policy groups
  • Replication Toolkit
Thank you!

@wefeed1st  @feed1st  @feed1st