An Innovative Community-Academic Partnership Connects Families Experiencing Food Insecurity with ClinicBased and Community Resources in New York City

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Disclosure



I have no financial relationships to disclose or Conflicts of Interest (COIs) to resolve.





Background

Share

- Food insecurity is a source of toxic stress.
- Food insecurity in children is linked to worse health outcomes, including higher rates of:
 - chronic diseases, poor cognitive and developmental outcomes, behavioral and emotional problems, mental health concerns, and hospitalizations.
- Providing onsite food packages and linking families with community-based organizations for continuous support may improve food security.





Objectives

Share

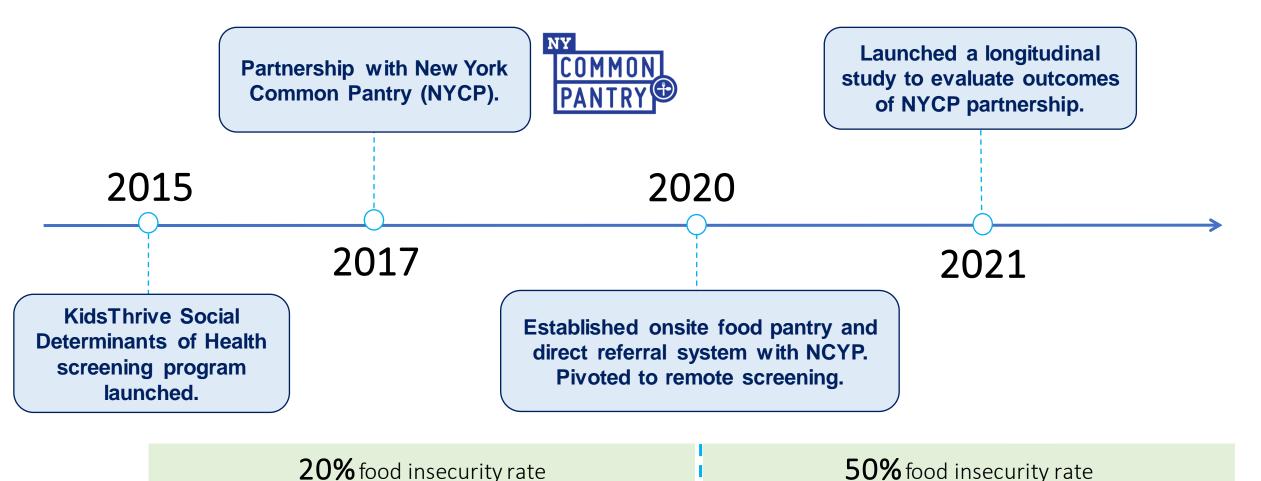
- Describe how our social determinants of health program KidsThrive –
 connects patient families who have food insecurity with a community-based
 food organization as part of an academic-community collaboration.
- Describe the impact of enrollment in our community-based food partner on families' food security.





Timeline of KidsThrive





pandemic

Methods





NYCP team reaches out to families:

- Register for food pantry services
- Enrollment in benefits
- Connection to other services

KidsThrive: SDH Screening Program

Referrals:

community resources

Eligible families offered enrollment into our study:

- Food insecurity (+ Hunger Vitals)
- Caregiver speaks English or Spanish
- Child aged 0-10 years

Routine follow-up with all screened families and CBOs

* Other unmet needs

SDH: Social Determinants of Health

Methods



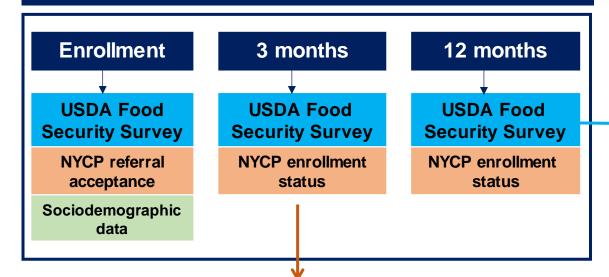
- At baseline, we collected sociodemographic data and family referral status to New York Common Pantry (NYCP).
- At baseline, 3 months and 12 months, caregivers completed the USDA Household 18-item food security survey.
- NYCP referral completion assessed at 3 months and 12 months.
- Mixed-effects model assessed changes in a family's food security score over time and the effects on enrollment status with NYCP.



Methods



Data Collection (2021 – 2024)



New York Common Pantry Enrollment Classification Groups:

- Never enrolled (reference group)
- Mixed enrollment = enrolled at either 3 or 12 months
- Full enrollment = enrolled at both 3 and 12 months

USDA 18-item Household Food Security Survey

USDA Score	Food Security Level
0	High
1-2	Marginal
3-7	Low
8-18	Very Low

Higher score = less food security

Theme	Sample Item (+ response = 1 point)
Household food situation	"worried whether food run out beforemoney to buy more."
Affordability and meal size	"last 12 monthsever cut the size of your meals or skip mealswasn't enough money"
Children	"couldn't feedthe children a balanced meal"

Results

Share

Baseline Demographics (N=125)



66% Hispanic 38% Black



92% public insurance



33% public housing



58% of caregivers unemployed



59% of caregivers completed high school/some college

Average # of additional unmet social needs: 3

Most Common Additional Social Needs in Families with Food Insecurity

Home Environmental Concerns (Mold/Pests/Secondhand Smoke)	54%
Lack of Affordable Childcare	29%
Housing Instability	15%

Results



Families participating in the study (N=125)

Mean USDA score = 4.5 (Low Food Security)

USDA Score	Food Security Level
0	High
1-2	Marginal
3-7	Low
8-18	Very Low

Referred to NYCP 81 (65%)

Mean USDA score = 5
(Low Food Security)



Declined referral to NYCP44 (35%)

Mean USDA score = 3.6 (Low Food Security)

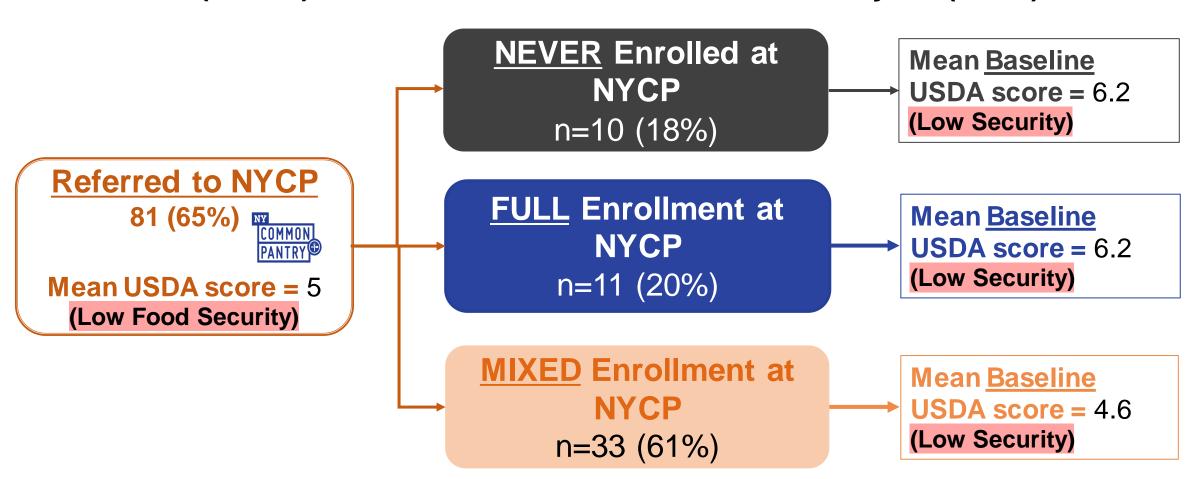
Not included in this specific analysis

Results

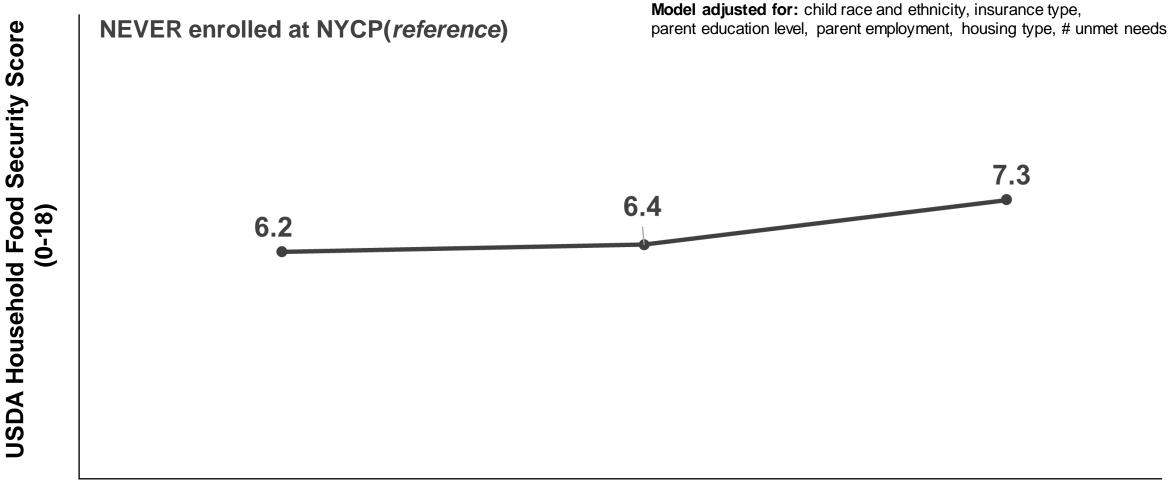




Mixed-Effects Analysis (N=54)



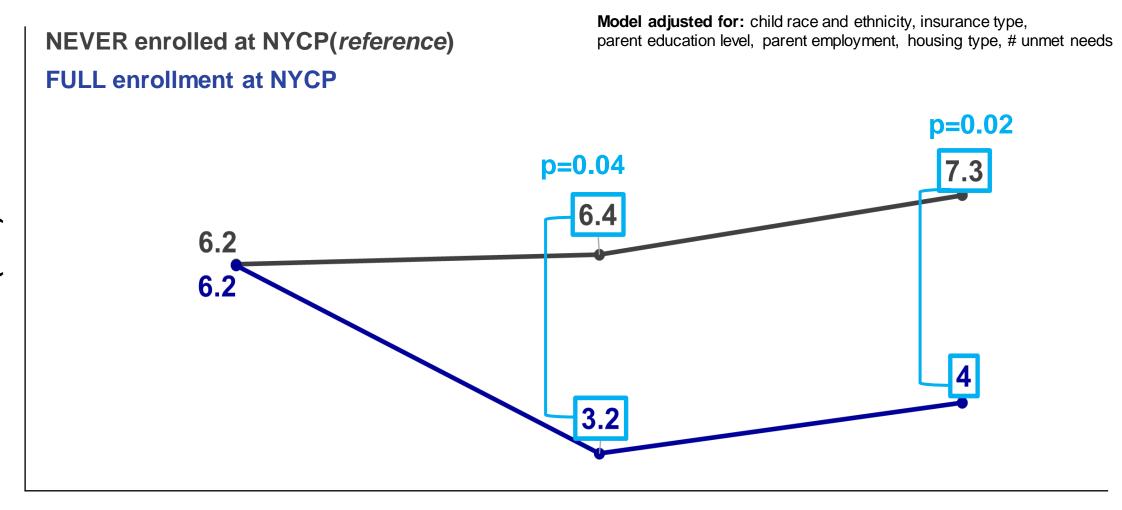
Baseline



3 Months

12 Months

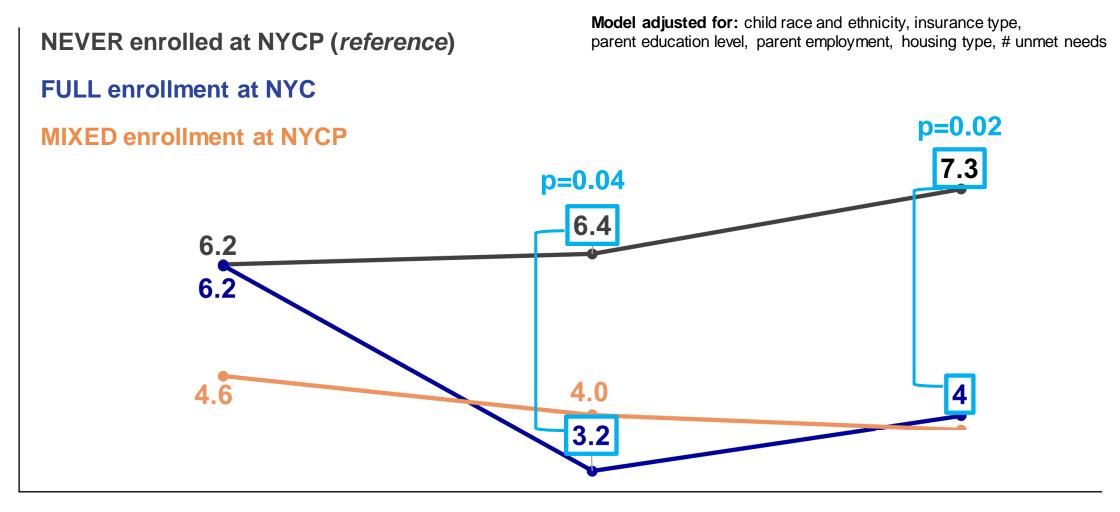




Baseline 3 Months 12 Months

Results: Mixed Effects Model





Baseline 3 Months 12 Months

Conclusions

- Share
- An academic-community partnership, whose goal was to connect food insecure families with needed resources both on-site and in the community was feasible and well-received by all stakeholders.
- Families with food insecurity who successfully enrolled in NYCP had a significant improvement in USDA food security scores over a 12-month period.
- Limitations of our study included small sample size, loss-to-follow up, and the absence of a control group.



Conclusions



- A clinic-based SDH screening program that includes an onsite food pantry and a strong partnership with a community-based organization may promote successful enrollment in long-term social services and improve food security.
- Future research will explore how this collaboration impacts other outcomes including parental stress, parental empowerment, financial worries and child healthcare utilization.





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