Food Insecurity: Patient Impact and Implications for End Stage Renal Disease Healthcare Providers



Overview



- 1) Social Determinants of Health
- 2) Understanding Food Insecurity
- 3) Food Insecurity's Impact on People with End-Stage Renal Disease
- 4) Macro-Factors of Food Insecurity
- 5) Recommendations for Providers and the Community



The Social Determinants of Health



Social Determinants of Health

"The nonmedical, systemic factors that influence health outcomes" 1

- Account for between 30-55% of health outcomes¹
- Unfair and <u>avoidable</u> differences
 - Inequities in health are socially determined¹





Defining Food Insecurity

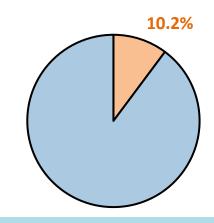


Understanding Food Insecurity

Definition of Food Insecurity:
 Limited or uncertain availability of nutritionally adequate and safe foods or limited or uncertain ability to acquire acceptable foods in socially acceptable ways²

According to the USDA

➤ 13.5 million households (10.2%) in 2021 were food insecure⁵



How Food Insecurity is Measured

- High Food Security
- Marginal Food Security
- Low Food Security
- Very Low Food Security



The Impact of Food Insecurity on ESRD Patients



Food Insecurity Impact on Patients



Acid Inducing Diets

- Caused by limited fruits and vegetables
- Foods with lots of preservatives are often high in phosphorus and sodium ¹



Inadequate Nutrition

Affect fluid status → blood pressure, electrolytes, and overall acid/base balance ¹



Higher Prevalence of Interactions with Healthcare system

Unplanned hospitalizations
 Intensive care unit admissions
 Infections



Forced Choices

- Between gas and food
 Between medication and food
 Betw
- Between rent and food



Detrimental Coping Strategies

• In children, food insecurity causes erratic dietary behaviors when food is available (such as binging and hoarding)⁴



Structural Barriers Associated with Food Insecurity



Structural Barriers

Environmental Inequities

- Access to grocery stores
 - Lack of access = "food desert"³
- Access to fast food
 - ➤ Increased access to fast food = "food swamp"³
- Prices of food differ depending on the area



Recommendations for Providers



Steps Providers Can Take to Address Food Insecurity

Partner with liaisons who can help patients navigate food insecurity

- Come into appointments armed with names of places and people who are ready to help
 - > Social workers, leaders of nonprofits, local food bank organizers
- Implement interdisciplinary framework within your practice

Establish Consistent Screening Practices

- Utilizing measures such as the two-question Hunger Vital Sign to assess food security status
- Assess status prior to offering recommendations for diet changes



Stay up-to-date about policies and roadblocks affecting food security

Understand the barriers patients face that are beyond their scope of control



Recommendations for Dialysis Centers and Transplant Facilities



Recommendations for Dialysis Facilities and Transplant Centers

Strategy 1	Steps To Implement
	1. Screening: Include food insecurity assessment questions as part of new patient intake processes.
Understand and assess how food insecurity affects patients' health	 2. Update database of resources: Establish an interdisciplinary team tasked with maintaining running database of available food assistance programs 3. Ongoing staff training: Orchestrate panel of experts to facilitate provider trainings surrounding food insecurity



Recommendations for Dialysis Facilities and Transplant Centers

Strategy 2	Steps To Implement
	1. Identify Assistance: Social worker, care coordinator, or community health workers to help patients identify food assistance programs to help reduce cost.
	Example: AKF's need-based financial assistance programs
	2. Apply for Assistance: Help patients with applications
Assist patients	Common Types of Assistance
in obtaining food services	 The Supplemental Nutrition Assistance Program (SNAP) = provides nutrition benefits to supplement food budget
	 Temporary Assistance for Needy Families = supports families with children with basic needs
	 Special Supplementation Nutrition Program for Women, Infants, and Children (WIC) = offers education, referrals, food



Recommendations for Dialysis Facilities and Transplant Centers

Strategy 3	Steps To Implement
	 Provide staff education on the impact structural barriers (including
Address other	Social Determinants of Health) might play in patients' access to
barriers beyond	healthcare
Food Insecurity	 Include languages beyond English in all patient education materials
	 Provide safe and inclusive space for patients to discuss barriers to care



Recommendations for Community Action



Community Recommendations to Combat Food Insecurity



Know Your Local Food Bank Locations

Discover here: Find Your Local Food Bank



Organize a Health Fair

Unsure how? Health Fair Planning Guide



Community Recommendations to Combat Food Insecurity



Orchestrate community gardens

Planning Guide: How to Start a Community Garden



Enlist local businesses

Prepared food for distribution modeled: <u>Home - Food Runners</u>



"Food is national security. Food is economy. It is employment, energy, history.

Food is everything"

Chef José Andrés, Founder of World Central Kitchen



Food for Thought

What are my misconceptions about food insecurity? Where might those fallacies originate from?

Do I know the locations of my local food banks? Could I tell someone I see asking for food where to go?

What resources do I still need to better equip myself to aid people experiencing food insecurity?



References

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ESRD NCC welcomes feedback on the guide and suggestions on Social Determinants of Health services which can be highlighted in future editions. Please email us to submit feedback, strategy, or interventions for consideration

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