For this NOSI, ODS is interested in research that addresses development, validation, and evaluation of tools to measure food insecurity and nutrition security in food insecure communities. Additionally, research that characterizes patterns of dietary intake and supplement use in special groups at risk of food or nutrition insecurity is of particular interest. This includes but is not limited to epidemiological studies that examine how food insecurity and nutrition security influence mental health and HIV health outcomes among racial and ethnic minority populations, rural and remote populations, and individuals living in food insecure communities. Research that examines the impact of food and nutrition insecurity on biological processes within NIDDK’s mission is also encouraged.

NINR seeks applications that advance health equity into the future. NINR discovers solutions to health challenges through the lenses of health equity, social determinants of health, population health, and environmental health. Research that addresses the dynamics of food and nutrition insecurity in HIV prevention, treatment, and care is of interest. Examples of research of interest include but are not limited to studies examining how food insecurity influences clinical care across the lifespan, including as a hidden factor influencing diagnosis or treatment efficacy. Studies based outside the U.S. or its territories will not be supported by this opportunity.

The Office of Disease Prevention (ODP) is the lead office at the NIH responsible for assessing, facilitating, and stimulating research in disease prevention. In partnership with other institutes and centers, ODP supports research that advances public health priorities, including those related to food and nutrition security.

The Office of Nutrition Research (ONR) will convene annual virtual meetings which will serve as a forum to share study results, best practices for community-based research and interventions, and address the impact of innovation and technology on nutrition research. ONR is interested in applications that develop, test, or refine new interventions or technologies for the prevention and/or treatment of diseases related to nutrition security and improving diet and health equity. The office supports research that aims to advance the role of nutrition in chronic disease prevention, including obesity and type 2 diabetes. ONR also supports research on the role of nutritional interventions in the prevention of disease and the maintenance of health. Dietary supplement use in food insecure communities is of particular interest. ONR supports research that aims to understand the role of dietary supplements in disease prevention and the maintenance of health.

ODS is interested in funding research that addresses the development, validation, and evaluation of tools to measure food insecurity and nutrition security. This includes the use of innovative methods and approaches to assess food insecurity and nutrition security across populations. ODS also encourages systems epidemiology approaches that incorporate high-dimensional measurements from multiple domains, assess outcomes at individual, social, and/or societal levels.

Some examples of appropriate studies include, but are not limited to:

- Multi-level, multicomponent food insecurity interventions designed to improve mental health and HIV health outcomes, along with examination of change mechanisms.
- Natural experiment research that examines the mechanisms through which policies related to the social determinants of health (e.g., minimum wage legislation, changes in food assistance programs) impact food and nutrition insecurity.
- Research on how food and nutrition insecurity act as barriers to patient engagement by people with NIDDK-relevant diseases and conditions related to self-management of chronic diseases or at risk of chronic disease.
- Research to examine the effectiveness of “Food as Medicine” initiatives that include produce prescription programs, medically tailored meals, and integration with health care services.

Applications must be relevant to at least one of the ODS FOAs for this NOSI. The ODS FOAs for this NOSI include the following or their subsequent reissued equivalents:

- PA-20-185-NIH Research Project Grant (Parent R01 Clinical Trial Not Allowed)
- PAS-21-031-NIH Research Project Grant (Parent R01 Clinical Trial Required)
- PA-20-183-Innovative Pilot Mental Health Services Research Not Involving Clinical Trials (R34 Clinical Trial Not Allowed)
- PA-20-181-Early Stage Testing of Pharmacologic or Device-based Interventions for the Treatment of Mental Disorders (R33 Clinical Trial Required)
- PAS-21-081-Pilot Effectiveness Trials for Treatment, Preventive and Services Interventions (R34 Clinical Trial Required)
- PAS-21-071-Clinical Trials to Test the Effectiveness of Treatment, Preventive, and Services Interventions (R01 Clinical Trial Required)
- PAS-21-080-Exploratory Grants in Cancer Control (R21 Clinical Trial Optional)
- PAS-21-082-Research-oddly Essential Grant (R29 Clinical Trial Required)
- PAS-21-084-Research-to-Early-Access Grant (R35 Clinical Trial Required)
- PAS-21-085-Innovative Mental Health Services Research Not Involving Clinical Trials (R31 Clinical Trial Not Allowed)
- PAS-21-086-Novel or Emerging Global Leader Award (K43 Independent Clinical Trial Not Allowed)
- PAS-21-087-Chief Scientist’s Innovation Challenge Grant (R43 Clinical Trial Required)
- PA-20-182-NIDDK Collaboration Award (R01 Clinical Trial Optional)
- PA-20-184-Innovative Pilot Research Award (R34 Clinical Trial Not Allowed)
- PA-20-186-Clinical Research to Test the Effectiveness of Treatment, Preventive, and Services Interventions (R01 Clinical Trial Optional)

For more information, please review the ODS FOAs linked above. Applicants should ensure that their applications include a description of the proposed research and how it aligns with the goals and priorities outlined in these FOAs. Applications without this information in box 4B will not be considered for this initiative.

Related Announcements

Notice of Special Interest (NOSI):

- Notice of Special Interest in Food Security and Nutrition Security Research (July 2022)
- Notice of Special Interest in Food Security and Nutrition Security Research (October 2022)
- Notice of Special Interest in Food Security and Nutrition Security Research (February 2023)
- Notice of Special Interest in Food Security and Nutrition Security Research (May 2023)

For additional information on how to apply, please visit the ODS website: [ODS website](https://www.od.nih.gov/grants/funding/nosis/food_security_nosis.html).
National Cancer Institute (NCI)
Telephone: 240-276-5699
Email: dmitchum@mail.nih.gov

Francesca Alicia Hunter
National Heart, Lung, and Blood Institute (NHLBI)
Phone: none
E-mail: francesca.hunter@nih.gov

Leslie Littlejohn
National Institute of Arthritis and Musculoskeletal and Skin Diseases (NIAMS)
Phone: (301) 594-2545
E-mail: littlele@mail.nih.gov

Margaret Young
Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD)
Telephone: 301-842-4552
Email: margaret.young@nih.gov

Diana Rutberg, MBA
National Institute of Dental & Craniofacial Research (NIDCR)
Phone: (301) 594-4798
E-mail: dr258t@nih.gov

Sunshine Wilson
National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)
Phone: 301-827-4670
Email: sunshine.wilson@nih.gov

Terri Jarosik
National Institute of Mental Health (NIMH)
Telephone: 301-443-3858
Email: tjarosik@mail.nih.gov

Priscilla Grant, JD
National Institute on Minority Health and Health Disparities (NIMHD)
Phone: 301-594-8412
E-mail: pg38h@nih.gov

Ron Wertz
National Institute of Nursing Research (NINR)
Telephone: 301-594-2807
Email: wertzr@mail.nih.gov

Weekly TOC for this Announcement
NIH Funding Opportunities and Notices

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