



The Workshop Planning Committee

Robin A. McKinnon, Ph.D., M.P.A. (Chair)

U.S. Food and Drug Administration

Alison Brown, Ph.D., M.S., R.D.N. National Institutes of Health

Cindy Davis, Ph.D.U.S. Department of Agriculture

Mario Ferruzzi, Ph.D., M.S.

University of Arkansas for Medical Sciences

USDA/ARS Arkansas Children's Nutrition Center

Emily Oken, M.D., M.P.H.

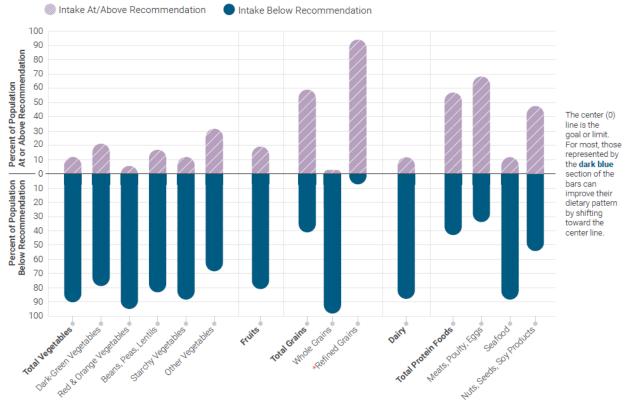
Harvard Medical School Harvard TH Chan School of Public Health Rebecca Seguin-Fowler, Ph.D., M.S., R.D.N., L.D., CSCS Texas A&M University System

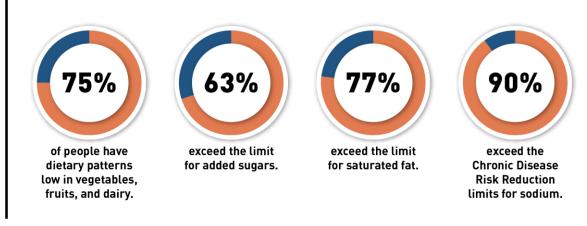
Jessica Smith, Ph.D.Mars Wrigley

Fang Fang Zhang, Ph.D., M.D.
Tufts University

Dietary Patterns Compared to Recommendations

Dietary Intakes Compared to Recommendations: Percent of the U.S. Population Ages 1 and Older Who Are Below and At or Above Each Dietary Goal





Data Source: Analysis of What We Eat in America, NHANES 2013-2016, ages 1 and older, 2 days dietary intake data, weighted. *Recommended Intake Ranges*: Healthy U.S.-Style Dietary Patterns (see **Appendix 3**).

^{*}NOTE: Recommended daily intake of whole grains is to be at least half of total grain consumption, and the limit for refined grains is to be no more than half of total grain consumption.

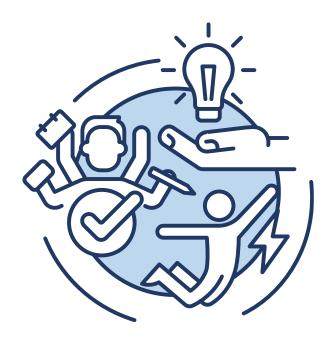
Dietary Patterns and Diet-Related Disease Implications for:



Health; Chronic Disease



Healthcare Costs



Productivity



Statement of Task: A planning committee of the National Academies of Sciences, Engineering, and Medicine will organize a public workshop that will explore the state of the science around dietary patterns and diet-related chronic disease etiology, prevention, and management throughout the lifespan, including the developmental origins of disease. Workshop presenters, with multi-sector perspectives, will also discuss emerging research methodologies and technologies for assessing dietary patterns and connections to diet-related chronic disease at different life stages, including priorities for improving data gaps, and addressing barriers to innovation.

Cross-cutting Issues to be Incorporated:

- i. Equity;
- ii. Research data quality, and the current evidence base;
- iii. Policy challenges and opportunities;
- iv. Technology;
- v. Communication



DAY ONE

Session 1: Setting the Stage on Dietary Patterns and Chronic Disease

Dietary Pattern Assessment
Across the Life Course

Review of the Evidence on Dietary
Patterns and Chronic Disease
Across the Lifespan

Beyond Traditional Nutrition
Markers for Assessing Dietary
Quality and Chronic Disease Risk

Developmental Origins of Chronic
Disease and the Influence of Diet





DAY ONE

Session 2: Dimensions of Food Choice and Influences on Dietary Patterns

Understanding and Intervening on Inequities in Nutrition and Health

Improving Dietary Health Through
Behavioral Economics

Food Choice and Access to Healthy
Diets: Evidence from Food Prices
and Diet Costs Worldwide

The Role of Industry and Consumer Perspectives





DAY TWO

Session 3: Translating Solutions for the Future of Dietary Patterns and Chronic Disease

Lessons Learned from Research to Improve the Healthfulness of Food Environments

Lessons Learned from Research to Improve Food Environments for Adults in Baltimore

Lessons Learned from Research to Improve Food
Environments for Infants and Children in DC

Community-Based Organization Experiences

Legal and Policy Challenges for Intervention



Special Recognition and Thanks

Staff from the National Academies:

Heather Cook

Cypress Lynx

Meredith Parr

