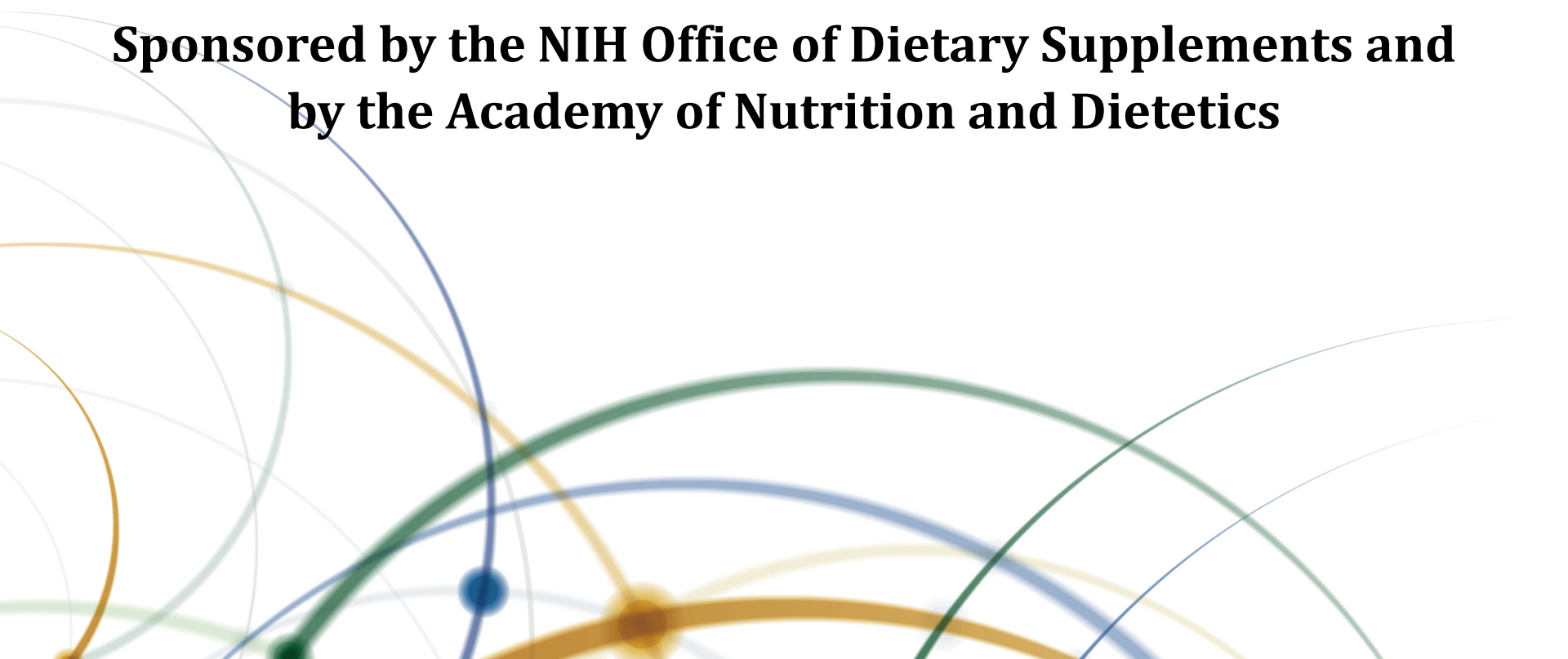


Approaches to Assessing Intake of Food and Dietary Supplements in Pregnant Women and Children 2 to 11 Years of Age: A Workshop

**Sponsored by the NIH Office of Dietary Supplements and
by the Academy of Nutrition and Dietetics**



Planning Committee Members

Cheryl A. Anderson,

University of California San
Diego

Dana Dabelea

University of Colorado Anschutz
Medical Campus

Stephen Robert Daniels

University of Colorado School of
Medicine

Esa Matius Davis

University of Pittsburgh School
of Medicine

Erica P. Gunderson

Kaiser Permanente Northern
California

Lisa Joan Harnack

University of Minnesota

Amy H. Herring

Duke University

Anna Maria Siega-Riz

University of Massachusetts
Amherst

Approaches to Assessing Intake of Food and Dietary Supplements in Pregnant Women and Children 2 to 11 Years of Age: A Workshop

Day, Date	Time (EST)	Topic
Thursday, May 6	10:00-12:00 PM	Webinar 1: Methods for Dietary Assessment during Pregnancy
Monday, May 17	10:00-12:00 PM	Webinar 2: Methods for Dietary Assessment in Children 2-5
Wednesday, May 19	10:00-12:00 PM	Webinar 3: Methods for Dietary Assessment in Children 6-11
Monday, May 24	9:00-11:00 AM	Webinar 4: Innovations and Special Considerations in Assessing Dietary Intake During Pregnancy and Ages 2-11 Years

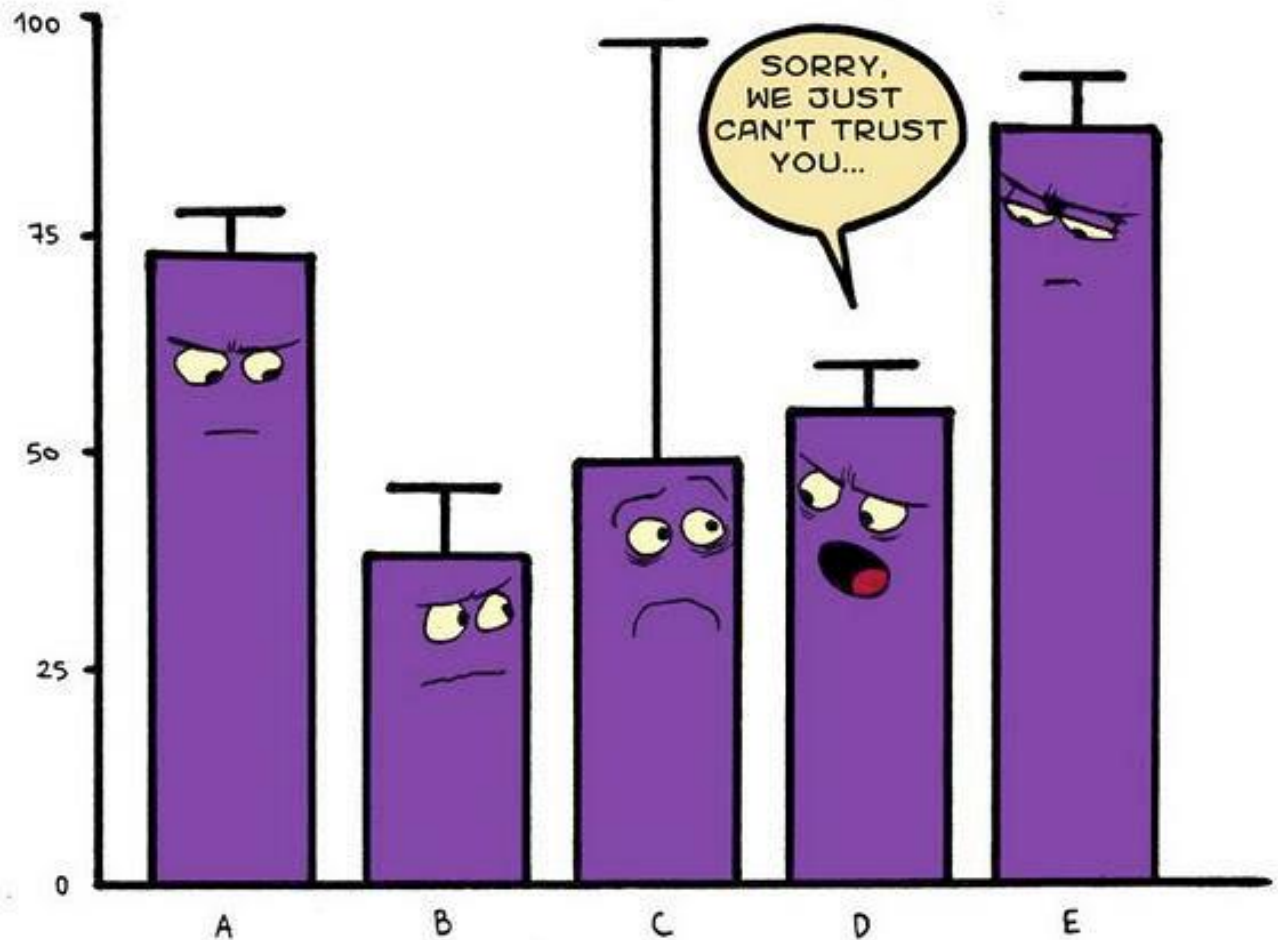
Measurement Challenges

- Difficult at any age, with new challenges in pregnancy: changes across pregnancy (e.g., $\uparrow$ dairy, protein among vegetarians, prenatal vitamins; $\downarrow$ caffeine, alcohol; Δ due to nausea/vomiting) -- how frequently and when to assess?
- Challenges in children: development of cognitive capacity to report intake, meals consumed away from home, multiple informants, plate waste, underreporting, relationship of degree of bias with child-specific factors (e.g., age, weight status), high variability in nutrient intake
- Statistical models can help address biases, especially when additional information is available, but no panacea



Analysis Challenges

- How do we make valid inferences given substantial measurement error and bias from self-report?
- What is the role of sensitivity analysis?
- Does it make sense to compare/combine data across studies where different assessment methods or designs were used?



Approaches to Assessing Intake of Food and Dietary Supplements in Pregnant Women and Children 2 to 11 Years of Age

Today we address a variety of areas that are important and interesting, including

- Exploration of emerging technologies; do current feasibility and validity warrant widespread adoption?
- Key considerations for use of assessment techniques (access, culture & setting, diversity, privacy, \$, burden)
- Principles guiding harmonization of assessment across studies and distinct populations
- Central role of the research question in guiding selection of assessment & analysis methods

9:00	Introduction to the Webinar (10 min)	Amy Herring, Duke University
9:10	Health Literacy, Diversity, Access and other Considerations when Developing and Implementing Methods for Dietary Assessment (10 min)	Carmen Pérez-Rodrigo, University of the Basque Country, Spain
9:20	Emerging Technologies as Opportunities to Measure Diet Intake (10 min)	Carol Boushey, University of Hawaii Cancer Center
9:30	Potential for Ecological Momentary Assessments in Dietary Intake Research (10 min)	Katie Loth, University of Minnesota
9:40	Q&A from Committee Members and Sponsors (10 min)	Amy Herring
9:50	Harmonization of Methods for Diet Assessment (10 min)	Diane Catellier, RTI
10:00	Matching the research question to the appropriate diet assessment method and statistical analyses (10 min)	Angela Liese, University of South Carolina
10:10	Q&A from Committee Members and Sponsors (10 min)	Amy Herring
10:20	Final Panel Discussion: Challenges and Opportunities to Strengthen Dietary Intake Data from Pregnant Women and Children (35 min)	Amy Herring & panel
10:55	Highlights from the Webinar Series (5 min)	Cheryl Anderson, University of California San Diego
11:00	Adjourn	

Approaches to Assessing Intake of Food and Dietary Supplements in Pregnant Women and Children 2 to 11 Years of Age: A Workshop

- Presentations will be followed by Q&A with committee members
- During panel discussion with the audience, send your questions via the Zoom Q&A feature
- Webinar will be recorded and published:
<https://www.nationalacademies.org/>

9:00	Introduction to the Webinar (10 min)	Amy Herring, Duke University
9:10	Health Literacy, Diversity, Access and other Considerations when Developing and Implementing Methods for Dietary Assessment (10 min)	Carmen Pérez-Rodrigo, University of the Basque Country, Spain
9:20	Emerging Technologies as Opportunities to Measure Diet Intake (10 min)	Carol Boushey, University of Hawaii Cancer Center
9:30	Potential for Ecological Momentary Assessments in Dietary Intake Research (10 min)	Katie Loth, University of Minnesota
9:40	Q&A from Committee Members and Sponsors (10 min)	Amy Herring
9:50	Harmonization of Methods for Diet Assessment (10 min)	Diane Catellier, RTI
10:00	Matching the research question to the appropriate diet assessment method and statistical analyses (10 min)	Angela Liese, University of South Carolina
10:10	Q&A from Committee Members and Sponsors (10 min)	Amy Herring
10:20	Final Panel Discussion: Challenges and Opportunities to Strengthen Dietary Intake Data from Pregnant Women and Children (35 min)	Amy Herring & panel
10:55	Highlights from the Webinar Series (5 min)	Cheryl Anderson, University of California San Diego
11:00	Adjourn	