NCCOR
CONNECT & EXPLORE

Connecting you with experts. Exploring the latest childhood obesity news and research.

We will begin at 3:05 to allow participants time to join the webinar.

2. One on One with the authors of the Learning Modules

3. NCCOR Announcements
Need technical assistance? Have a question for our speakers?

Type your question(s) in the chat box located on the right and a representative will respond shortly.
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INTERACTIVE POLL
SPOTLIGHT
The NCCOR Measures Registry Learning Modules: An Overview

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The four largest funders of childhood obesity research joined forces to form NCCOR.
IDENTIFY, DESIGN, AND EVALUATE INTERVENTIONS

INCREASE AND IMPROVE SURVEILLANCE

IMPROVE CAPACITY TO CONDUCT RESEARCH AND PROGRAM EVALUATION

PROVIDE NATIONAL LEADERSHIP TO ACCELERATE IMPLEMENTATION THROUGH COMMUNICATION AND OUTREACH

WORK WITH NON-HEALTH PARTNERS TO INTEGRATE CHILDHOOD OBESITY PRIORITIES
Standard measures are needed for:

- Research and evaluation related to the causes of childhood obesity
- Interventions to prevent and treat obesity in children
- Programs and policies concerning individual and environmental determinants of childhood obesity
- Progress towards identification and implementation of evidence-based interventions, programs, and policies
• Launched in 2011, the Measures Registry is a web-based portfolio of nearly 1,400 studies on more than 100 discrete measures related to diet and physical activity.

• Measures are categorized into four domains:
  – Individual Diet
  – Food Environment
  – Individual Physical Activity
  – Physical Activity Environment
Measures Registry

The Measures Registry is a searchable database of diet and physical activity measures relevant to childhood obesity research. Its purpose is to standardize use of common measures and research methods across childhood obesity research at the individual, community, and population levels.

Measures are tools and methodologies used to assess individuals’ diet, physical activity, and the environments in which these behaviors occur. Examples of measures include questionnaires, instruments, diaries, logs, electronic devices, direct observations of people or environments, protocols, and analytic techniques.

SEARCH THE REGISTRY
Measures Registry User Guides

• Designed to:
  – Provide an overview of measurement
  – Describe general principles of measurement selection
  – Present case studies to walk users through the process of selecting appropriate measures
  – Direct researchers and practitioners to additional resources
• Cover the four domains of the Measures Registry
Measures Registry User Guides

To help researchers choose the most appropriate measures for their work in childhood obesity, NCCOR has developed four Measure Registry User Guides. This project was funded through NCCOR’s first strategic funding alliance with The JPB Foundation. The Measures Registry User Guides are designed to:

- Provide an overview of measurement
- Describe general principles of measurement selection
- Present case studies that walk researchers through the process of using the Measures Registry to select appropriate measures
- Direct researchers to additional resources and sources of useful information

Click the boxes below to access the User Guides.
NCCOR’s Measures Registry Learning Modules
Measures Registry Learning Modules

• 17 modules; 4 for each domain and an introductory module
• Each module is 15 minutes or less
• Designed to
  – Introduce the domain
  – Highlight key topics
  – Demonstrate the process of choosing a measure via a case study
  – Test your knowledge with quiz questions following each module
Measures Registry Learning Modules

The Measures Registry Learning Modules are designed to complement the Measures Registry and Measures Registry User Guides and assist researchers and practitioners with choosing the best measures across the four domains of the Measures Registry: individual diet, food environment, individual physical activity and physical activity environment. The Learning Modules include an introductory module that provides an overview of the module series, as well as four modules for each of the four domains. Each module domain also includes a glossary, additional resources, and an interactive case study. The Learning Modules are a great tool for users who are newer to research and evaluation in diet and physical activity, or individuals who need a refresher on key concepts. The modules were also designed with students and faculty in mind and include short quizzes to enhance classroom learning and understanding of key concepts.

Access each learning module below.

- Introduction to the Measures Registry User Guide Module Series
- Individual Diet
Welcome to the Measures Registry Learning Modules

NAVIGATION HELP
Measures Registry Learning Modules: Individual Diet

**Individual Diet**

1. **Module 1:** Introduction to the Individual Diet Module Series
2. **Module 2:** Considerations for measuring diet in the context of childhood obesity research
3. **Module 3:** Overview of measures of individual diet
4. **Module 4:** Case Study: Assessing the effects of a home-based obesity intervention on preschool children’s dietary behaviors
Measures Registry Learning Modules: Food Environment

Food Environment

1. Module 1: Introduction to the Food Environment Module Series
2. Module 2: Measuring the physical, social, and person-centered aspects of food environments
3. Module 3: Making decisions about what food environment tools to use
4. Module 4: Case Study: Evaluating a home-based intervention to reduce childhood obesity
Measures Registry Learning Modules: Individual Physical Activity

1. Module 1: Introduction to the Individual Physical Activity Module Series
2. Module 2: Processing, scoring, and interpreting physical activity data
3. Module 3: Selecting and using activity monitors
4. Module 4: Case Study: Understanding walking behaviors and barriers to active travel to school
Measures Registry Learning Modules:
Physical Activity Environment

1. **Module 1**: Introduction to the Physical Activity Environment Module Series
2. **Module 2**: GIS-based measures for the physical activity environment
3. **Module 3**: Audit tools for physical activity environment assessments
4. **Module 4**: Case Study: Improving streetscapes and parks around schools
Explore More Resources

Individual Diet Glossary

24-hour recall: Short-term self-report tool aimed at capturing a comprehensive and detailed accounting of all foods, beverages, and/or dietary supplements consumed on a given day. May reflect the prior day from midnight-to-midnight or the prior 24 hours. May be administered using a multiple pass method to facilitate accurate recall.

Biomarkers: Biological products that may provide indications of nutritional status or intakes of particular dietary components.

Calibration: Use of a reference dietary assessment measure to adjust for error in data from the main dietary assessment measure administered in a study or evaluations. For example, recovery biomarker data collected from a subsample may be used to adjust for error in self-report dietary intake data.

Cognitive abilities: The capacity to learn, remember, and pay attention.

Contextual factors: When, where, and with whom children consume meals and snacks, as well as other activities, like the use of tablets or other mobile devices children engage in while eating.

Day-to-day variation: Temporal variation in intakes across days. Considered a source of error when our goal is to measure usual intake, even though it doesn’t mean that individuals have misreported their intake for the given day. Related to dynamic.

Dietary behaviors: Dietary intake and related behaviors, such as snacking and meal skipping.

Suggested Citation

Food Environment Resources

Food Environment User Guide
NCCOR Measures Registry
Suggested Process for Using the Measures Registry [PDF]

Module 2
- Food Environment Online Tool: Sign-Up, and Examples of Measures
- NCCOR Environment Measures Survey (NEMS)
- NCCOR Environment Measures Survey in Stores (NEMS-S)
- Parenting strategies for Eating and Activity Study (PSEAS)
- Child and Adolescent Trial for Cardiovascular Health (CATCH) Health Behavior Questionnaire (HBQ)
- The Effects of the Child and Adolescent Trial for Cardiovascular Health upon Parenting Strategies of Diet and Physical Activity Behavior (CATCH)
- School Health Policies and Practices Study (SHPPS)
- Social Skills Definitions, Measures, Applications to, and Examples from Food Environment Measurement
- Validity Definitions, Measures, Applications to, and Examples from Food Environment Measurement

Module 4
- Home Food Inventory (HFI)
- Child Feeding Questionnaire (CFQ) for 1 to 11 Year Olds
- Contemporary factor analysis of the Child Feeding Questionnaire: a measure of external validity, reliability, and psychometric properties

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CONNECT & EXPLORE
QUESTIONS?

Please type your question(s) in the chat box located on the right.
Ask the Authors!

Sharon Kirkpatrick
**Individual Diet**

Leslie Lytle
**Food Environment**

Greg Welk
**Individual Physical Activity**

Jordan Carlson
**Physical Activity Environment**
What are the advantages of using Measures Registry Learning Modules?
Emailed Question 2

I teach kinesiology courses related to measurement and evaluation of physical activity, can you provide an example of how I can best incorporate the modules into my curriculum?
As a public health practitioner, I am working on a project with our local parks and recreation department to improve their food environment. How can I use the Measures Registry Learning Modules to determine which food environment measures to include in our project?
Emailed Question 4

I would like to examine walkability in my local community. Do I have to know how to use ArcGIS software to use the environmental measures listed in the Registry?
Emailed Questions

1. How long are each of the Learning Modules?

2. Are there Continuing Education Units available for completing the Learning Modules?

3. Are the Learning Modules free to access?
Using the Measures Registry Learning Modules: An In-Depth Look

• The next Connect & Explores will highlight how practitioners and students can use the Measure Registry Learning Modules for their work
  • If you are a student or practitioner that has used or plans to use the Learning Modules, tell us how by emailing nccor@fhi360.org. You could be one of our featured speakers on the next webinar!

• Coming in Fall 2019

• Sign-up for our newsletter to be the first to know about this and other NCCOR events!
Meet us at APHA

• November 3–6, Philadelphia, PA
• Booth 1232

We will have additional materials on the learning modules and other NCCOR resources!
FURTHER QUESTIONS?

Other questions about NCCOR or upcoming activities?

Email the NCCOR Coordinating Center

nccor@fhi360.org
WHAT'S HAPPENING IN
NCCOR NEWS

NCCOR publishes chapter: Behavioral Design as an Emerging Theory for Dietary Behavior Change

NCCOR is highlighting multidisciplinary partnerships to celebrate National Childhood Obesity Awareness Month 2018!

Utility of the Youth Compendium of Physical Activities

NCCOR to present at the Society for Prevention Research and the American College of Sports Medicine 2018 Annual Meetings

NCCOR updates the Catalogue of Surveillance Systems and seeks recommendations for new systems

Connect & Explore

Upcoming Webinars

Mark your calendar for these upcoming Connect & Explore webinars!
THANK YOU!