National Collaborative on Childhood Obesity Research

Active Living Research San Diego, CA February 23, 2011

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National Cancer Institute



- Background
- Catalogue of Surveillance
 Systems
- Measures Registry
- Looking Forward

About NCCOR

The National Collaborative on Childhood Obesity Research brings together four of the nation's leading research funders to address the problem of childhood obesity in America.

Collaborative Partners

Centers for Disease Control and Prevention

Division of Adolescent and School Health Division of Adult and Community Health Division of Nutrition, Physical Activity and Obesity National Center for Environmental Health National Center for Health Statistics

National Institutes of Health

Division of Nutrition Research Coordination National Cancer Institute National Heart, Lung, and Blood Institute *Eunice Kennedy Shriver* National Institute of Child Health and Human Development National Institute of Diabetes and Digestive and Kidney Diseases Office of Behavioral and Social Sciences Research

Robert Wood Johnson Foundation

United States Department of Agriculture

FOOD, NUTRITION AND CONSUMER SERVICES

Center for Nutrition Policy and Promotion Food and Nutrition Service **RESEARCH, EDUCATION AND ECONOMICS** Agricultural Research Service

Economic Research Service

National Institute of Food and Agriculture

Mission

To improve the efficiency, effectiveness, and application of childhood obesity research and to halt—and reverse the current childhood obesity trend through enhanced coordination and collaboration.



August 2010 HHS*Innovates*: Secretary's Pick



Year 2 Highlights



USDA Joins Collaborative

- NCCOR welcomed USDA in February 2010
- USDA's priorities child nutrition, obesity prevention, and food safety – align with NCCOR's priorities and activities
- USDA's Office of the Chief Scientist
- Representatives from USDA now part of:
 - Steering Committee
 - Evaluation Workgroup
 - Project workgroups

NIH Studying Community Programs to Evaluate Childhood Obesity: Study Design



- A side of the second test of test
- Year 3: Baseline Assessment on 2nd 100 Communities (with remote follow-up in Year 4)
- Year 4: Baseline Assessment on 75 Communities and remote follow-up on 1st 200 Communities
- Year 5: Repeat In-Person Assessment (RIPA) Protocol on 40 of 1st 100 Communities from Year 2
- Baseline and RIPA represent current assessment of BMI, PA & Diet for children; current and retrospective assessment of community/program policy intensity; retrospective BMI
- Remote Follow-up includes PA & Diet for children; current/retro community evaluation

Evaluation Forum

Purpose: An opportunity to identify common measures, complement each other's work, and leverage data and resources, so that evaluators can communicate and build evidence more rapidly.

Partners

- Bridging the Gap
- Communities Putting Prevention to Work
- Healthy Kids, Healthy Communities
- Healthy Weight Collaborative
- NIH Studying Community Programs to Reduce Childhood Obesity Study

Catalogue of Surveillance Systems



Background

- Interest in childhood obesity determinants has grown from the individual-level to social, environmental and policy
- Childhood obesity research has traditionally focused on individual-level factors
- Less is known about organizational, community and macro-level determinants of childhood obesity
- Awareness of surveillance system resources is limited and therefore few have taken full advantage of available systems
- Relatively little research has incorporated data linkages across the ecological spectrum

Purpose of Catalogue

To raise awareness and use of existing surveillance systems relevant to childhood obesity by providing an online directory of relevant systems



Catalogue Overview

- Provides childhood obesity researchers with onestop access to relevant data resources
- Provides access to data related to environmental and policy factors, as well as health behaviors, outcomes and determinants of obesity
- Includes over 75 systems
- Provides information on national, state and local data resources
- Encourages data-linkage across multiple levels







Catalogue Details Inclusion Criteria and Development

Inclusion Criteria

- Relevant to childhood obesity research
- Data collected within the last 10 years
- Publically available, raw data
- Gathered in the United States

Development

- Subject matter experts reviewed each system for inclusion
- Multiple stages of review for each system profile, including by surveillance system contact



Breadth of Resources

- Systems included track factors in a range of obesity-relevant fields and domains, such as:
 - Individual health, health behavior and sociodemographic factors
 - Household activity and food-related practices
 - Pre-school and school wellness policies
 - Community crime statistics
 - State laws related to beverage and snack taxes
 - National medical expenditures
 - Food assistance program participation



Catalogue Features

- Allows Users to:
 - Identify and locate surveillance systems of interest
 - Search by topic, e.g., physical education, disability
 - Compare attributes across systems
 - Access profile information for systems of interest
 - Access other resources of interest, e.g., summary statistics, legislative databases



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Dther bookmarks





SEARCH THE CATALOGUE

Catalogue Home | Search the Catalogue | Other Surveillance Resources | Catalogue Feedback







CATALOGUE OF SURVEILLANCE SYSTEMS

A Product of the National Collaborative on Childhood Obesity Research

This web tool provides a catalogue of existing surveillance systems that contain data relevant to childhood obesity research. It includes local, state, and national systems that provide data at multiple levels.

Surveillance systems for this Catalogue were identified by reviewing existing reports of available systems and soliciting expert review and suggestions. The systems were chosen because they provide access to publicly available raw data gathered in the United States.

Some systems have been in operation for many years; others are relatively new. All, however, contain data pertaining to the past 10 years.

The Catalogue provides one-stop access to a large number of systems, which provide a unique window on obesity-related policies and environmental factors as well as trends in relevant health behaviors, outcomes, and determinants.

Using this site, users can:

- · identify and compare surveillance systems to meet research needs
- link to other resources of interest
- provide feedback on the Catalogue

NCCOR is a collaboration among the Centers for Disease Control and Prevention (CDC), National Institutes of Health (NIH), Robert Wood Johnson Foundation (RWJF), and United States Department of Agriculture (USDA) to accelerate progress on reversing the epidemic of childhood obesity in the United States.

www.nccor.org/css

Feedback is Welcome!

- Suggest a system for inclusion in the Catalogue
- Suggest an update for a system profile
- Provide general feedback



www.nccor.org/css_feedback

Finally...

- The Catalogue is intended to provide a foundation for:
 - Monitoring obesity-related policies and environmental factors
 - Monitoring trends in relevant health behaviors, outcomes and determinants
 - Enhancing linkages among surveillance systems at varying levels of analysis
 - Identifying and filling gaps, as needed, in the array of available surveillance systems



The Catalogue aims to accelerate and improve the efficiency, effectiveness, and applicability of childhood obesity research.

Catalogue Development Team

- Project Director: Susan Krebs-Smith, National Institutes of Health (NIH)
- Product Manager: Robin McKinnon, NIH
- System Contact Liaison: Sameer Siddiqi, NIH
- Site Designer: Audrey Lipps, User Centered Design
- System Profile Developer: Kathy Huamani, The Scientific Consulting Group
- Senior Editor: Anne Brown Rodgers, NIH
 Consultant

System Content Experts

- Jamie Chriqui, Bridging the Gap (BTG) / Robert Wood Johnson Foundation (RWJF); University of Illinois at Chicago (UIC)
- Deb Galuska, Centers for Disease Control and Prevention
- Lisa Powell, BTG/RWJF; UIC
- Jill Reedy, NIH
- Sandy Slater, BTG/RWJF; UIC
- Website Developers
 - Jean Cyr, Information Management Services (IMS)
 - Bran Handley, IMS

www.nccor.org/css

Measures Registry



Background

- Key priority for NCCOR is promoting the use of common measures and methods across childhood obesity prevention and research
- Standard measures are needed to describe and evaluate interventions to prevent childhood obesity, particularly those projects that address policies and environments
- A measures registry will facilitate identification of existing measures, identify gaps, and fuel new measurement development

Diet and Physical Activity Behavior: Individual-level & Environmental-level Measures



Purpose of Registry

To provide a web-based, searchable registry of measures relevant to childhood obesity research



Measures Registry Overview

- Searchable registry with over 700 measures
- Measures are categorized into four domains:
 - individual dietary behavior
 - individual physical activity behavior
 - food environment
 - physical activity environment
- Details about each measure include:
 - domain(s) measured
 - validity and reliability
 - protocols on use
 - settings, geographic areas, and populations for which the measure has been used
- Website to launch in April 2011



Measures Details

- Conducted comprehensive literature searches for each domain, including articles published between 2004 and 2010
- Examined an extensive best-practice review completed by Transtria
- Contacted subject matter experts to supplement lists of measures
- Collected data for each measure entry using a tailored abstraction tool



Features of the Measures Registry

- Allows Users to:
 - Search or browse for measures
 - Access specific details for each measure
 - Link to other measures registries and related resources
 - Find measures in development (ie, not yet published measures)
 - Submit new measures for inclusion in the registry





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SEARCH THE REGISTRY

Measures Home | Search for Measures | Methods | Measures in Development | Other Measures Resources Measures Feedback







MEASURES REGISTRY

A product of the National Collaborative on Childhood Obesity Research

The NCCOR Measures Registry is a searchable database of diet and physical activity measures relevant to childhood obesity research.

The purpose of this registry is to promote the consistent use of common measures and research methods across childhood obesity prevention and research at the individual, community, and population levels.

Obesity and public health researchers need standard measures to describe, monitor, and evaluate interventions, particularly policy and environmental interventions, and factors and outcomes at all levels of the socio-ecological model. NCCOR hopes that this registry web tool facilitates access to available measures, helps identify gaps in measures, and encourages the development of new measures.

On this website, you can:

- * search or browse the registry for measures
- find measures in development
- * link to other measures registries and related resources
- submit a new measure for inclusion in the registry.

ž	NCCOR Mea	sures Registry
Search Enter measure Browse Domain:	Food Environment (100) Physical Activity Environment (85) Individual Dietary Behavior (45) Individual Physical Activity Behavior (90)	Results Showing 1-10 of 300 Show 10 per page Go << < 1 2 3 28 29 30 > >> Criteria: All systems The Path Environment Audit Tool (PEAT) Multimedia activity recall for children and adolescents (MARCA)
	 Obesity (100) Dietary intake/behavior (40) Physical activity/inactivity (15) Glycemic control or diabetes risk factors (15) Hypertension or related risk factors (40) Cardiovascular disease (15) Cancer (15) 	
	☐ Questionnaire (xx) ☐ Recall (xx) ☐ Accelerometer (xx) ☐ Field audit (xx)	
Age:	□ 2-5 years (xx) □ 6-11 years (xx) □ 12-18 years (xx)	
Ethnicity:	☐ Hispanic (xx) ☐ African-American (xx) ☐ Asian (xx)	
	Collaborative on Childhood Obesity Research	A collaboration among:

NCCOR National Collaborative on Childhood Obesity Research

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OTHER MEASURES RESOURCES

Individual Diet Behaviors Individual Physical Activity Behaviors Individual Diet and Physical Activity Behaviors Food Environment Physical Activity Environment Other

Individual Diet Behaviors

 2007 CDC National Survey of Maternity Practices in Infant Nutrition and Care Centers for Disease Control and Prevention
 Data obtained from national survey of maternity care feeding practices and policies.

Breastfeeding

Centers for Disease Control and Prevention Information on CDC's evidence-based policy and environmental approach to breastfeeding protection, promotion and support, and other breastfeeding research and evaluation materials.

Children's Nutrition Research Center

U.S. Department of Agriculture, Agricultural Research Service Cooperative between several hospitals, universities, and agencies within the federal government aimed to provide research, resources, tools and other supportive materials on the role of maternal, infant, and child nutrition in optimal health, development, and growth.

Infant Feeding Practices Study II

Centers for Disease Control and Prevention Compilation of statistical data, reports and resources collected by agencies within the federal government as part of a consumer-based research study of mothers and infant feeding practices.

Individual Physical Activity Behaviors

 Prevention Research Center Reports and Tools
 University of South Carolina, Arnold School of Public Health
 Research collaborative that partners with other community and federal
 agencies to study and analyze levels of physical activity and develop
 strategies and tools to promote a physically active lifestyle.

Measures Registry Development Team

- NCCOR Working Group
 - David Berrigan, NIH
 - Eileen Hanlon, AED
 - Suzanne Le Menestrel, USDA
 - Latetia Moore, Centers for Disease
 Control and Prevention
 - Jill Reedy, NIH
 - Sameer Siddiqi, NIH
 - Celeste Torio, RWJF
 - Susan Welsh, USDA

- Data Abstraction:
 - Mathematica Policy Research
- Site Design:
 - Audrey Lipps, User Centered Design
- Website Development
 - Jean Cyr, Information Management Services (IMS)
 - Bran Handley, IMS

Coming Soon:

www.nccor.org/measures

April 2011

Outreach and Communications

Outreach

- NCCOR e-Newsletter (more than 1,650 recipients)
- NCCOR website (<u>www.nccor.org</u>)

Communications

- Promotion of partner webinars and activities
- Promotions associated with NCCOR Measures Registry and Catalogue of Surveillance Systems
- Internal communications on the NCCOR wiki

Strategic Plan Goal Areas

Goal 1: Evaluate and identify effective interventions, with an emphasis on those that affect vulnerable populations and communities.

Goal 2: Increase and improve national, state, and local surveillance of childhood obesity.

Goal 3: Increase ability of childhood obesity researchers and program evaluators to conduct research and program evaluation.

Goal 4: Provide national leadership to accelerate implementation of evidence-informed practice and policy.

Goal 5: Foster research to improve integration of childhood obesity prevention and synergistic initiatives that provide co-benefits for obesity (e.g., agricultural research, environmental sustainability, disabilities).



www.nccor.org



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March 2010 Volume 2, Issue 3 www.nccor.org

Welcome to the National Collaborative on Childhood Obesity Research e-Newsletter.

Spotlight

Childhood Obesity Research Collaboration Welcomes USDA

USDA has joined the National Collaborative on Childhood Obesity Research (NCCOR), a public-private research collaboration to accelerate progress on preventing and reversing the childhood obesity epidemic. The National Institutes of Health (NIH), the Centers for Disease Control and Prevention (CDC) and the Robert Wood Johnson Foundation (RWJF) launched NCCOR in February 2009.

"As a leader in studying the role of foods and nutrition in childhood obesity, USDA can strengthen this collaboration and add valuable knowledge and considerable resources to combat this epidemic," Vilsack said. "USDA welcomes this important opportunity for a dynamic research partnership that

Funding Opportunities

ANNOUNCEMENTS

CDC & NIH

Community-Based Partnerships for Childhood Obesity Prevention and Control: Research to Inform Policy (R03) (R03) 140

Cycle Due Dates: Feb. 16, June 16, Oct. 16 Expires: May 8, 2012

Community-Based Partnerships for Childhood Obesity Prevention and Control: Research to Inform Policy (R21)

PA-09-141

Cycle Due Dates: Feb. 16, June 16, Oct. 16 Expires: May 8, 2012

NCCOR National Collaborative on Childhood Obesity Research



Spotlight

Study Shows Overwhelming Parent Support for Healthier Schools

The vast majority of parents want schools to limit students' access to high-calorie chips, sodas and candy and to offer them opportunities for physical activity throughout the day, a new survey by the Alliance for a Healthier Generation shows. The national survey signals the breadth of parents' support for changes to make schools healthier places-and their willingness to help make those changes happen. In fact, nearly eight in 10 parents are ready to get more involved to create a healthier environment in their local schools.

Conducted for the Alliance by KRC Research, the survey found that more than 92 percent of parents consider physical education and health education as important as English, math

November 2009 Volume 1, Issue 8 www.nccor.org

Welcome to the National Collaborative on Childhood Obesity Research e-Newsletter.

ANNOUNCEMENTS

Funding Opportunities

CDC

American Recover and Reinvestment Act of 2009: Communities Putting Prevention to Work CDC-RFA-DP09-912ARRA09 Expires: Dec. 1, 2009

NIH

Nutrition Obesity Research Centers (P30) RFA-DK-09-006



Locate Surveillance Systems of Interest

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NCCOR CATALOG	Catalogue Home Search the Catalogue Other Surveillance Res	iources Catalogue Feedt
urveillance Systems		
ter options	Showing all 77 systems	
arch @	System Name	Compare
xt Contains	ACCRA Cost of Living Index (COLI)	
vel Ø	American Community Survey	
Individual (41)	American Time Use Survey (ATUS)	
Household (14)	Behavioral Risk Factor Surveillance System (BRFSS)	
School (6)	California Health Interview Survey (CHIS)	
Community (5)	Census of Agriculture (Agcensus)	
Macro/Policy (4)	Census TIGER® (Topologically Integrated Geographic Encoding and Referencing) Files	
Other (22)	Center for Nutrition Policy and Promotion Food Prices Database (CNPP/FDP)	
ope 🛛	comScore	
Local (26)	Curisumer Expenditure Survey (CE)	
State (36)	Current Population Survey	
National (69)	Dietary Supplement Ingredient Database (DSID)	
y Variables 🕜	Dun & Bradstreet	
Diet related (58)	Early Childhood Longitudinal Study, Birth Cohort (ECLS-B)	
Physical activity related (39)	Early Childhood Longitudinal Study-Kindergarten Class of 1998-99 (ECLS-K)	
Weight related (33)	Economic Census	
Geocode/Linkage (68)	Fast Response Survey System (FRSS)	
je Groups 🔞	Fatality Analysis Reporting System (FARS)	
Infants (44)	Federal Bureau of Investigation Uniform Crime Reporting Program (UCR)	
Preschool children (41)	Food and Nutrient Database for Dietary Surveys (FNDDS)	
School age children (52)	Food Availability (Per Capita) Data System	
Teenagers/Adolescents (61)	Food Stamp Program State Rules Database	
Adults (60)	Gladson Nutrition Database	
icial/Ethnic Groups 🔞	Health and Diet Survey	
Asian/Dacific Islanders (21)	Lealth Information National Trands Curvey (LINITC)	

Compare Systems

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Comparing Surv	eillance Syste	ms				
	X Early Childhood Longitudinal Study, Birth Cohort (ECLS- B) ►	X Early Childhood Longitudinal Study- Kindergarten Class of 1998-99 (ECLS-K) ►	National Longitudinal Survey of Youth		X Panel Study of Income Dynamics Child Development Supplement (PSID/CDS) >	X Panel Study of Income Dynamics (PSID) ►
Level						
Individual	1	1	1	1	1	1
Household				1		
School						
Community						
Macro/Policy						
Other						
Scope						
Local						
State						
National	1	1	1	1	1	1
Key Variable						
Weight related	1	1	1	1	1	1
Diet related	1	1	1	-	1	1
Physical activity related	1	1	1	1	1	1
Geocode/Linkage	1	1	1	1	1	1
Age Groups						
Infants	1		1	1	1	1
Preschool children	1		1	1	1	
School age children	1	1	1	1	1	1
Teenagers/Adolescents	_	1	1	1	1	_
Adults		-	1	1	1	1

View System Profiles



Access Other Surveillance Resources

NCCOR National Collabor × +		
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National Collaborative on Childho	OR od Obesity Research	
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SEARCH THE CATALOGUE	Catalogue Home Search the Catalogue Other Surveillance Resources Catalogue Feedback	
	OTHER SURVEILLANCE RESOURCES	
	This page provides links to additional resources that may be of interest to childhood obesity researchers, such as summary statistics, nutrition program information, and obesity-related legislation. General Federal Nutrition Program Information Legislative Databases Other Catalogues General • Child Trends Databank Child Trends Comprehensive summaries of key indicators of child and youth health from major child health surveillance systems. • ChildStats.Gov Key National Indicators of Well-Being Federal Interagency Forum on Child and Family Statistics Annual report on key national indicators of well-being related to children and families collected by agencies within the federal government.	
	 Community Health Status Indicators U.S. Department of Health and Human Services Database of county-level health status indicators with report and spatial mapping tools, based on data from major health surveillance systems. 	
	 FedStats Federal Interagency Council on Statistical Policy Compilation of statistical data collected by agencies within the federal government as part of major surveillance systems. 	
	 Food Commodity Intake Database U.S. Department of Agriculture Agricultural Marketing Service A companion database to the Continuing Survey of Food Intakes by Individuals in which food intake is presented in terms of commodities (raw agricultural products) rather than foods consumed. 	