Catalogue of Surveillance Systems: Introduction

Webinar
May 5, 2011

Susan M. Krebs-Smith, PhD

National Cancer Institute, National Institutes of Health
Agenda

• Welcome and Introduction to the National Collaborative on Childhood Obesity Research (NCCOR), and Webinar Session
  Susan Krebs-Smith, National Cancer Institute

• Catalogue of Surveillance Systems Overview & Demonstration
  Robin McKinnon, National Cancer Institute

• State/Local Health Department Perspective
  David Simmons, Minnesota Department of Health

• Research Perspective: Multi-level Research
  Jamie Chriqui, University of Illinois at Chicago and Bridging the Gap

• Q & A
  (Submit questions via chat feature)
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.
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.
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).
Catalogue of Surveillance Systems

May 5, 2011

Robin A. McKinnon, PhD, MPA

National Cancer Institute, National Institutes of Health
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.
Issues Facing Researchers & Practitioners…

What data resources exist?

What are the costs?

How do I access the data?

What variables can I link across systems?

Where can I find more details?
Previous Solutions...

- Using familiar systems
- Asking colleagues’ advice
- Internet search engines
Catalogue Overview

• First-ever online directory of obesity-related data resources

• One-stop 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

• Launched February, 2011
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
  - Additions / updates ongoing
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
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 obtaining 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
Announcements

- Catalogue Feedback / Linkages
  - Web-links to the Catalogue
  - Feedback overall is welcome!

- NCCOR Measures Registry:
  - www.nccor.org/measures
  - Webinar: May 19 2011, 2-3pm ET
  - To register: nccor.org, under “Events” / “Webinars”
Intended Outcomes of the Catalogue

- Awareness and use of resources
- Identify gaps
- Effectiveness of research
- Productivity
- Redundancy
- Innovation in research

And ultimately…
Reduce rates of childhood obesity
www.ncccor.org
Locate Surveillance Systems of Interest

![Surveillance Systems Catalogue](image)

**Surveillance Systems**

**Filter options**

- **Search**
  - Text Contains

- **Level**
  - Individual (41)
  - Household (14)
  - School (5)
  - Community (5)
  - Macro/Policy (4)
  - Other (22)

- **Scope**
  - Local (26)
  - State (36)
  - National (59)

- **Key Variables**
  - Diet related (59)
  - Physical activity related (39)
  - Weight related (33)
  - Geocoding/Linkage (58)

- **Age Groups**
  - Infants (44)
  - Preschool children (41)
  - School age children (24)
  - Teenagers/Adolescents (61)
  - Adults (60)

- **Racial/Ethnic Groups**
  - Asian/Pacific Islanders (21)

**Showing all 77 systems**

<table>
<thead>
<tr>
<th>System Name</th>
<th>Compare</th>
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<tbody>
<tr>
<td>ACCRA Cost of Living Index (COLI)</td>
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<tr>
<td>American Community Survey</td>
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<td>American Time Use Survey (ATUS)</td>
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<td>Behavioral Risk Factor Surveillance System (BRFSS)</td>
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<td>California Health Interview Survey (CHIS)</td>
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<td>Census of Agriculture (Agcensus)</td>
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<td>Census TIGER® (Topologically Integrated Geographic Encoding and Referencing)</td>
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<td>Center for Nutrition Policy and Promotion Food Prices Database (CNPP/FDP)</td>
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<td>comScore</td>
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<td>Consumer Expenditure Survey (CE)</td>
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<td>Current Population Survey</td>
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<td>Dietary Supplement Ingredient Database (DSID)</td>
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<td>Dun &amp; Bradstreet</td>
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<td>Early Childhood Longitudinal Study, Birth Cohort (ECLS-B)</td>
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<td>Early Childhood Longitudinal Study-Kindergarten Class of 1998-99 (ECLS-K)</td>
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<td>Economic Census</td>
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<td>Fast Response Survey System (FRSS)</td>
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<td>Faculty Analysis Reporting System (FARS)</td>
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<td>Federal Bureau of Investigation Uniform Crime Reporting Program (UCR)</td>
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<td>Food and Nutrient Database for Dietary Surveys (FNDDS)</td>
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<td>Food Availability (Per Capita) Data System</td>
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<td>Food Stamp Program State Rules Database</td>
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<td>Gladson Nutrition Database</td>
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<td>Health and Diet Survey</td>
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<td>Health Information Nation’s Trends Survey (HANTS)</td>
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Compare Systems

### NCCOR Catalogue of Surveillance Systems

#### Comparing Surveillance Systems

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<td>Other</td>
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<tr>
<th>Scope</th>
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<th>National</th>
<th>Panel Study of Income Dynamics Child Development Supplement (PSID/CDS)</th>
<th>Panel Study of Income Dynamics (PSID)</th>
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| Key Variable   | Weight related                                          | Diet related                                                          | Physical activity related                                              | Socioeconomic/Linkage                                                          |                                   |
|----------------|---------------------------------------------------------|                                                                     |                                                                        |                                                                                  |                                     |
|                | ✔️                                                      | ✔️                                                                    | ✔️                                                                     | ✔️                                                                              |                                     |

| Age Groups     | Infants                                                 | Preschool children                                                   | School age children                                                     | Teenagers/Adolescents                                                          | Adults                             |
|----------------|---------------------------------------------------------|                                                                     |                                                                        |                                                                                  |                                     |
|                | ✔️                                                      | ✔️                                                                    | ✔️                                                                     | ✔️                                                                              |                                     |

| Radial/Ethnic Groups | | | | | |
|---------------------|| | | | |
View System Profiles

NCCOR Catalogue of Surveillance Systems

Panel Study of Income Dynamics Child Development Supplement (PSID/CDS)

At A Glance

Purpose
To collect longitudinal data on food expenditures, food security, nutritional knowledge, and other content for families in the United States (US) with children ages 0 to 12 years. To collect data on weight status and dietary and exercise practices for children in these families.

Target Population
US children (ages 0 to 12 years) and their caregivers.

Conducted

Sponsor
The study is funded by the National Science Foundation, the National Institute on Aging, the National Institute of Child Health and Human Development, the Office of the Assistant Secretary for Planning and Evaluation of the United States Department of Health and Human Services, the Economic Research Service of the United States Department of Agriculture, the United States Department of Housing and Urban Development, the United States Department of Labor, and the Center on Philanthropy at the Indiana University-Purdue University.

Website
http://psidonline.isr.umich.edu/CDS/

Noteworthy Characteristics
- Includes a genealogical panel with links to parental and grandparental data obtained in the PSID. It also has data on substantial numbers of sibling pairs in each wave of the CDS.
- Three-wave longitudinal survey embedded in more than four decades of linkable data collected in the Panel Study of Income Dynamics.
- Provides geocoded data at the ZIP code, census tract, and block level.
- Provides physical activity measures that distinguish activity outside of school.
- Provides measured height and weight data.

Special Note(s)
The Child Development Supplement (CDS) is one research component of the Panel Study of Income Dynamics (PSID), which was begun in 1968. The PSID is a longitudinal study of a representative sample of US individuals and their families. The PSID has collected data on family composition changes, housing and food expenditures, marriage and fertility histories, employment, income, time spent in housework, health,
Access Other Surveillance Resources

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

- Child Trends Database
  - 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.