

# 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



# 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

# 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

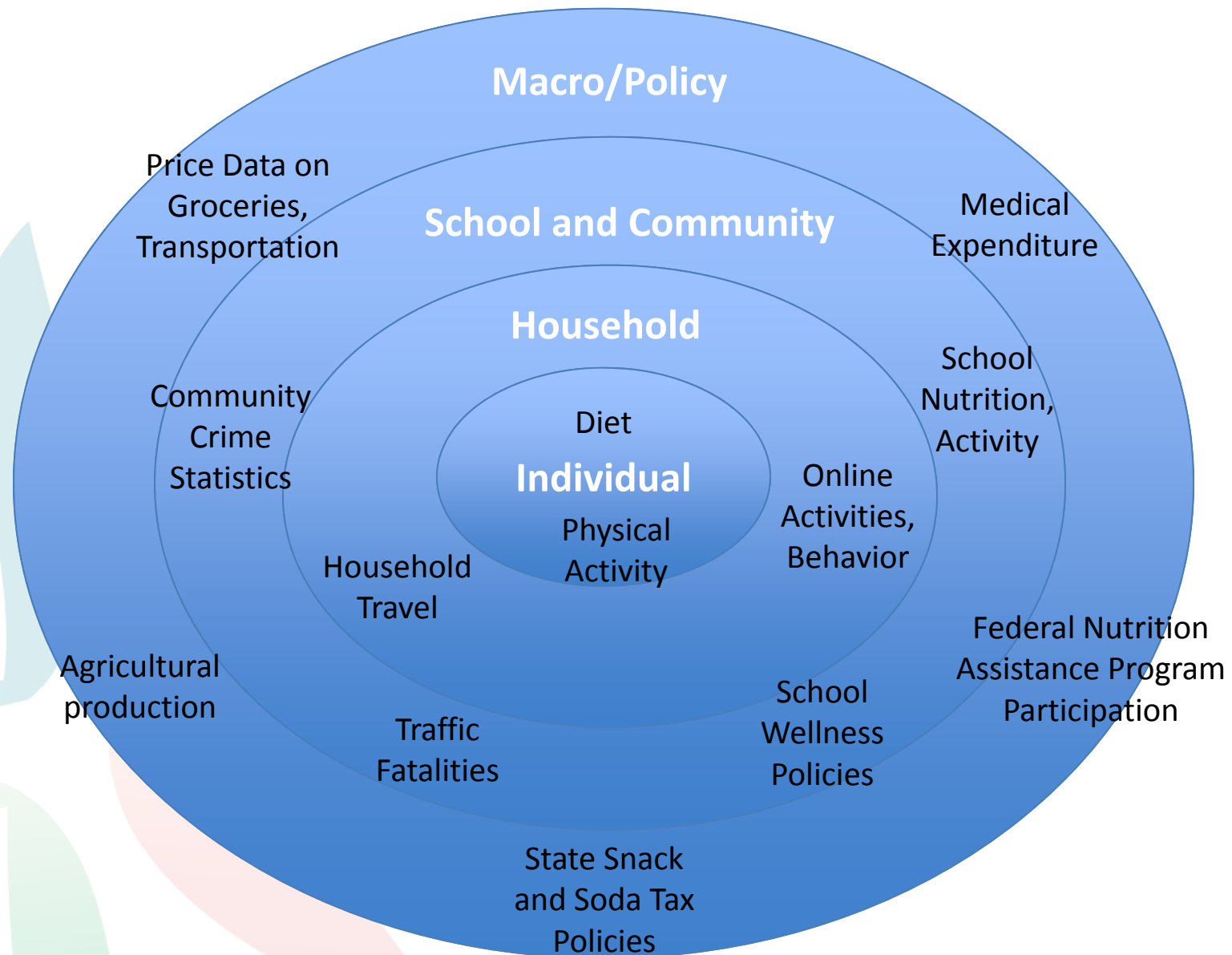
## Inclusion Criteria and Development

- **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 Breadth of Resources

## Examples



# 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





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.**

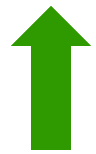
[www.nccor.org/css](http://www.nccor.org/css)

# Announcements

- Catalogue Feedback / Linkages
  - Web-links to the Catalogue
  - Feedback overall is welcome!
- NCCOR Measures Registry:
  - [www.nccor.org/measures](http://www.nccor.org/measures)
  - Webinar: May19 2011, 2-3pm ET
    - To register: [nccor.org](http://nccor.org), under “Events” / “Webinars”



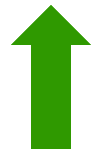
# Intended Outcomes of the Catalogue



Awareness and  
use of resources



Productivity



Identify gaps



Redundancy



Effectiveness of research



Innovation in research

*And ultimately...*

Reduce rates of childhood obesity





[www.nccor.org](http://www.nccor.org)

A partnership among:



# Locate Surveillance Systems of Interest



The screenshot shows the NCCOR Catalogue of Surveillance Systems website. The page features a navigation bar with links for 'Catalogue Home', 'Search the Catalogue', 'Other Surveillance Resources', and 'Catalogue Feedback'. The main heading is 'Surveillance Systems'. On the left, there are filter options for Search, Level, Scope, Key Variables, Age Groups, and Racial/Ethnic Groups. The main content area displays a list of 77 surveillance systems, each with a 'Compare' checkbox.

**Filter options**

**Search** ⓘ  
Text Contains

**Level** ⓘ

- Individual (41)
- Household (14)
- School (6)
- Community (5)
- Macro/Policy (4)
- Other (22)

**Scope** ⓘ

- Local (26)
- State (36)
- National (69)

**Key Variables** ⓘ

- Diet related (58)
- Physical activity related (39)
- Weight related (33)
- Geocode/Linkage (68)

**Age Groups** ⓘ

- Infants (44)
- Preschool children (41)
- School age children (52)
- Teenagers/Adolescents (61)
- Adults (60)

**Racial/Ethnic Groups** ⓘ

- Asian/Pacific Islanders (21)

**Showing all 77 systems**

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

# Compare Systems

NCCOR Catalogue of Sur... x

tools.nccor.org/css/compare/?c=39&c=41&c=36&c=11&c=59&c=78

Google Other bookmarks

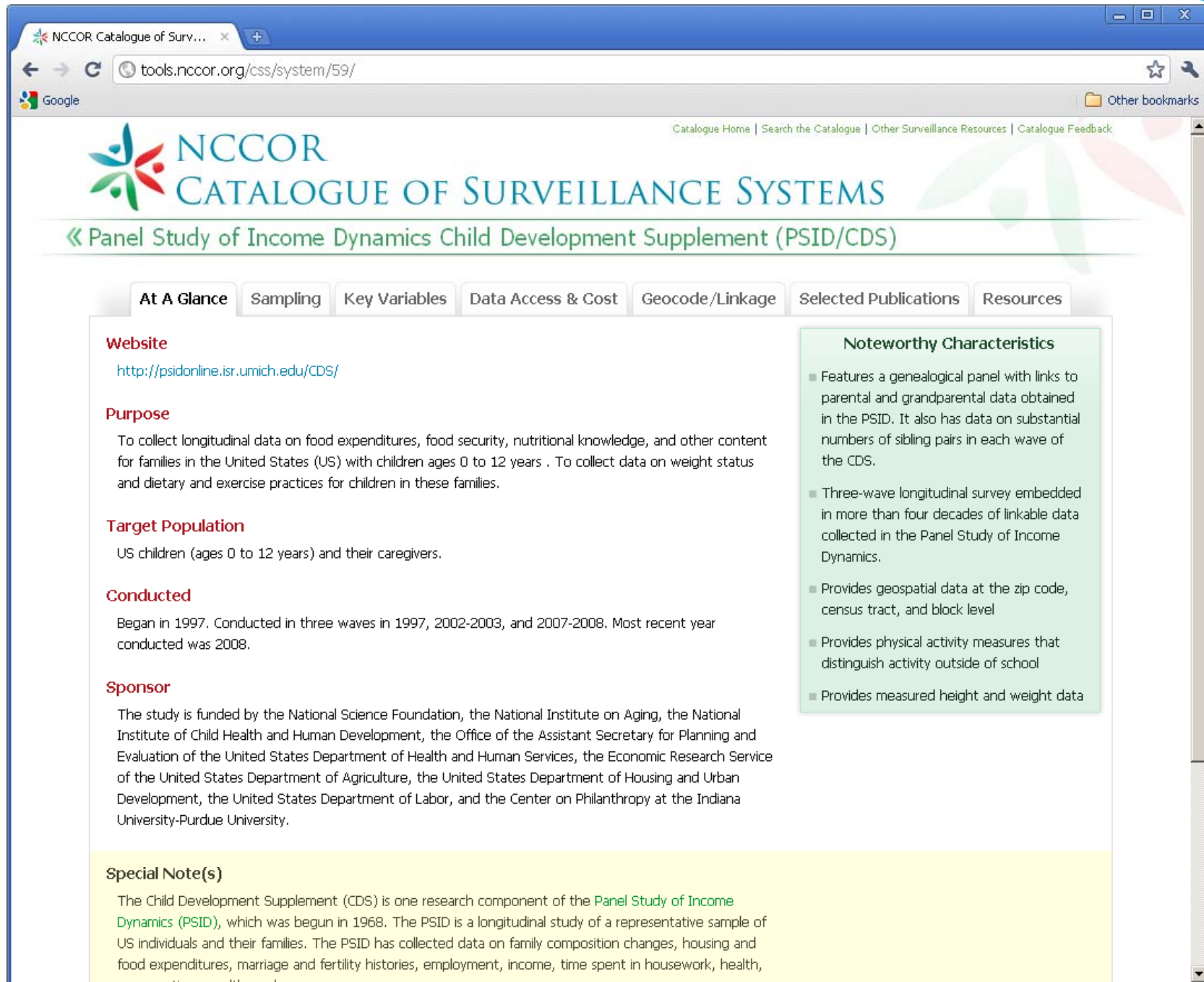
Catalogue Home | Search the Catalogue | Other Surveillance Resources | Catalogue Feedback

## NCCOR CATALOGUE OF SURVEILLANCE SYSTEMS

### « Comparing Surveillance Systems

	Early Childhood Longitudinal Study, Birth Cohort (ECLS-B) >	Early Childhood Longitudinal Study-Kindergarten Class of 1998-99 (ECLS-K) >	National Longitudinal Survey of Youth Children and Young Adults (NLSY79ch) >	National Survey of Families and Households (NSFH) >	Panel Study of Income Dynamics Child Development Supplement (PSID/CDS) >	Panel Study of Income Dynamics (PSID) >
<b>Level</b>						
Individual	✓	✓	✓	✓	✓	✓
Household				✓		
School						
Community						
Macro/Policy						
Other						
<b>Scope</b>						
Local						
State						
National	✓	✓	✓	✓	✓	✓
<b>Key Variable</b>						
Weight related	✓	✓	✓	✓	✓	✓
Diet related	✓	✓	✓		✓	✓
Physical activity related	✓	✓	✓	✓	✓	✓
Geocode/Linkage	✓	✓	✓	✓	✓	✓
<b>Age Groups</b>						
Infants	✓		✓	✓	✓	✓
Preschool children	✓		✓	✓	✓	✓
School age children	✓	✓	✓	✓	✓	✓
Teenagers/Adolescents		✓	✓	✓	✓	✓
Adults			✓	✓	✓	✓
<b>Racial/Ethnic Groups</b>						

# View System Profiles



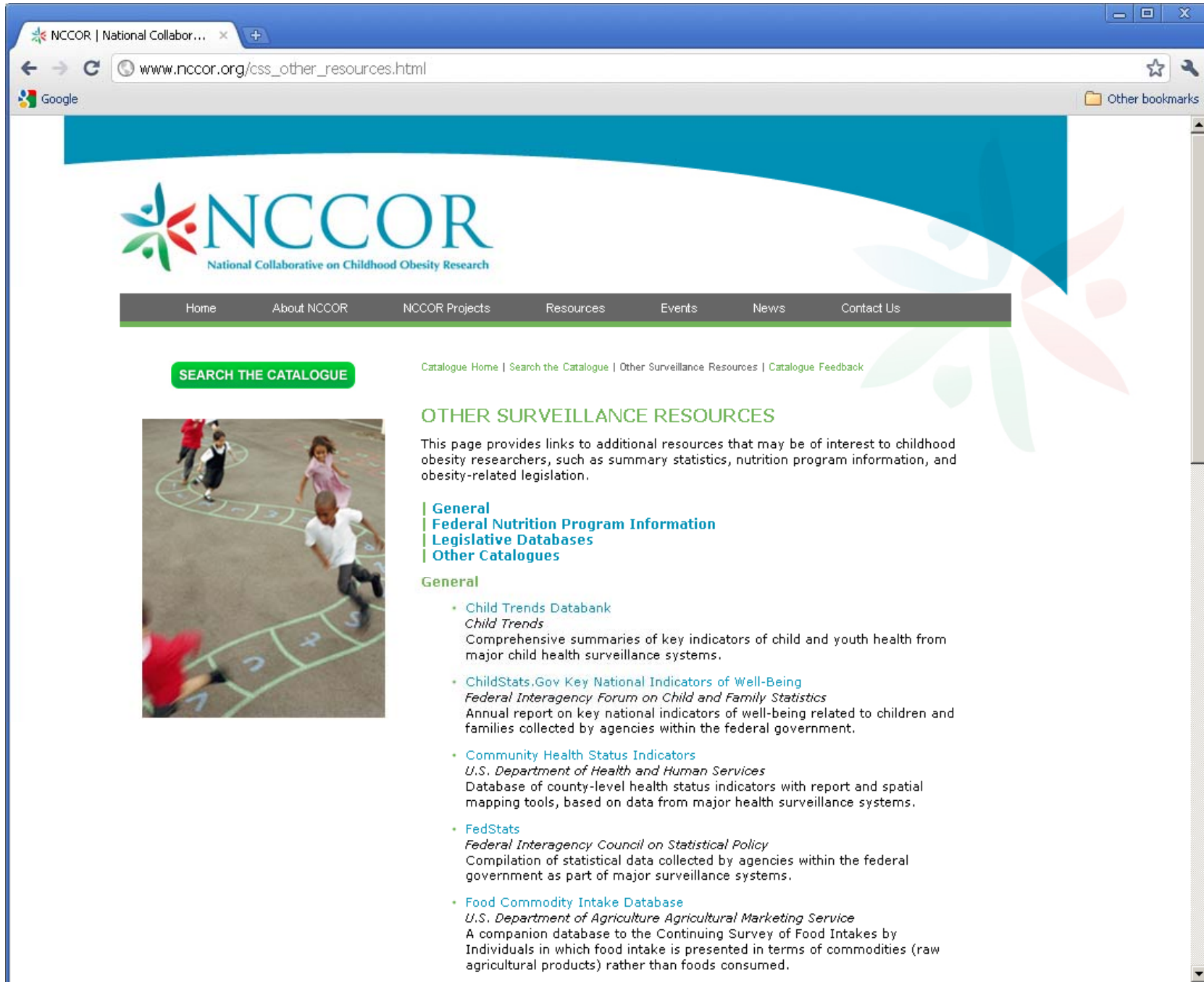
The screenshot shows a web browser window displaying the NCCOR Catalogue of Surveillance Systems profile for the Panel Study of Income Dynamics Child Development Supplement (PSID/CDS). The browser address bar shows the URL [tools.nccor.org/css/system/59/](http://tools.nccor.org/css/system/59/). The page features the NCCOR logo and navigation links: Catalogue Home, Search the Catalogue, Other Surveillance Resources, and Catalogue Feedback. The main title is "Panel Study of Income Dynamics Child Development Supplement (PSID/CDS)". Below the title is a navigation menu with tabs: At A Glance, Sampling, Key Variables, Data Access & Cost, Geocode/Linkage, Selected Publications, and Resources. The "At A Glance" tab is active, showing the following sections:

- Website**: <http://psidonline.isr.umich.edu/CDS/>
- 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**: Began in 1997. Conducted in three waves in 1997, 2002-2003, and 2007-2008. Most recent year conducted was 2008.
- 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.
- 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,

A "Noteworthy Characteristics" box on the right side of the page lists the following features:

- Features 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 geospatial 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

# Access Other Surveillance Resources



The screenshot shows a web browser window displaying the NCCOR website. The address bar shows the URL [www.nccor.org/css\\_other\\_resources.html](http://www.nccor.org/css_other_resources.html). The NCCOR logo is prominently displayed at the top, with the text "National Collaborative on Childhood Obesity Research" below it. A navigation menu includes links for Home, About NCCOR, NCCOR Projects, Resources, Events, News, and Contact Us. A green button labeled "SEARCH THE CATALOGUE" is visible. Below the navigation, there is a section titled "OTHER SURVEILLANCE RESOURCES" with a sub-header "General" and a list of resources. To the left of the text, there is a photograph of children playing hopscotch on a paved area.

[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.