

Data Resources from the National Center for Health Statistics

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U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES
Centers for Disease Control and Prevention
National Center for Health Statistics

SAFER • HEALTHIER • PEOPLE™



National Center for Health Statistics

What We Do:

- **Monitor the nation's health by collecting, analyzing and disseminating health data**
- **Compare across time, populations, providers and geographic areas**
- **Identify health problems, risk factors, and disease patterns**
- **Inform actions and policies to improve the health of the American people**

NCHS Data Systems Use These Sources ...

- **Birth and death records**
- **Medical records in hospitals, nursing homes, emergency rooms, doctors' offices**
- **Interviews with staff in hospice and home care agencies**
- **Physical examinations and laboratory testing in mobile exam centers**
- **Personal interviews in the home and via phone**

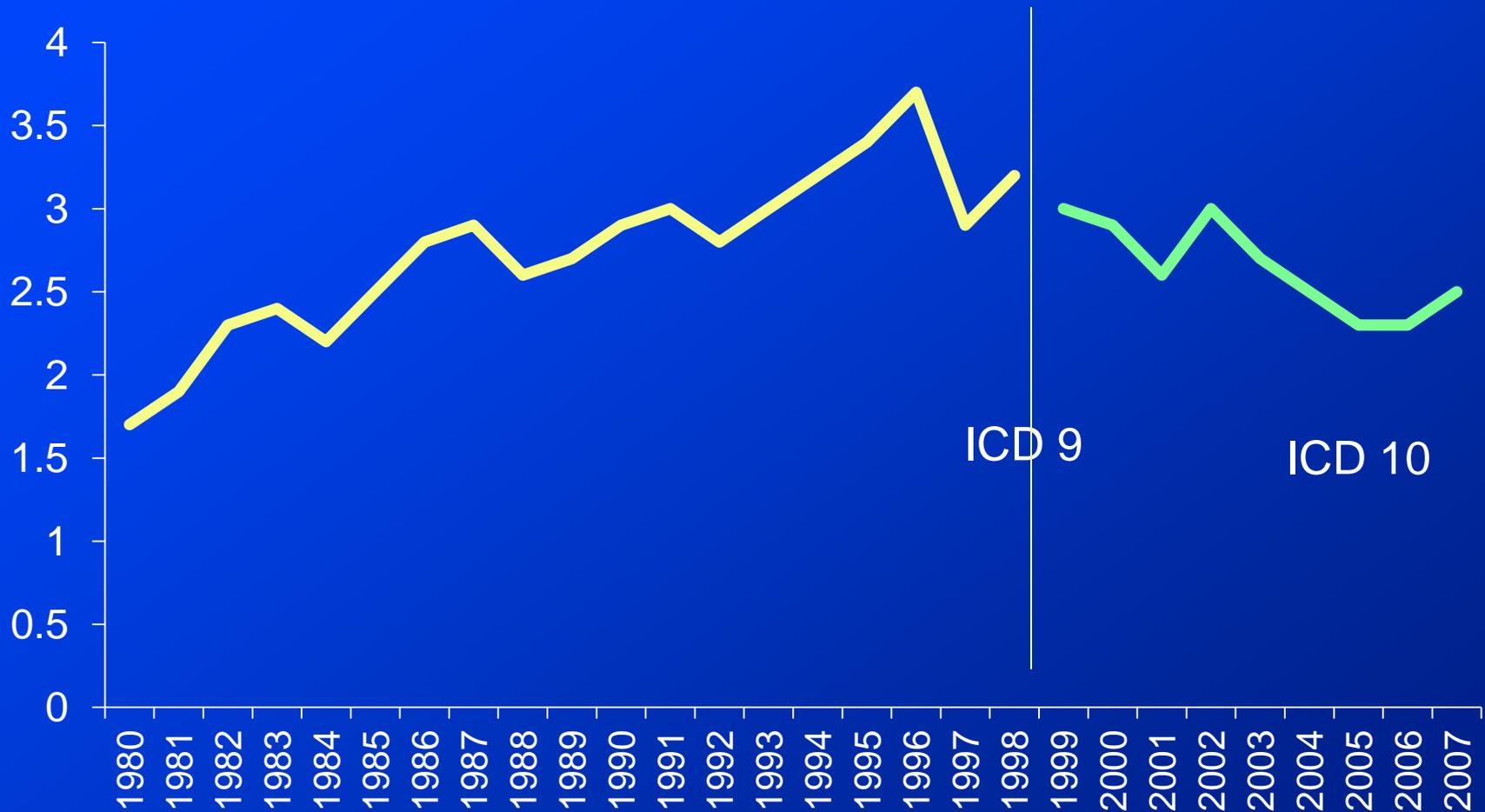
Four Major Data Systems

- **National Vital Statistics System and surveys**
- **National Health Interview Survey**
- **National Health and Nutrition Examination Survey**
- **National Health Care Surveys**

National Vital Statistics System

- Birth and death records
 - National Vital Statistics System Cooperative Program—partnership with registration areas (State and Territories)
 - Information at the State and local level

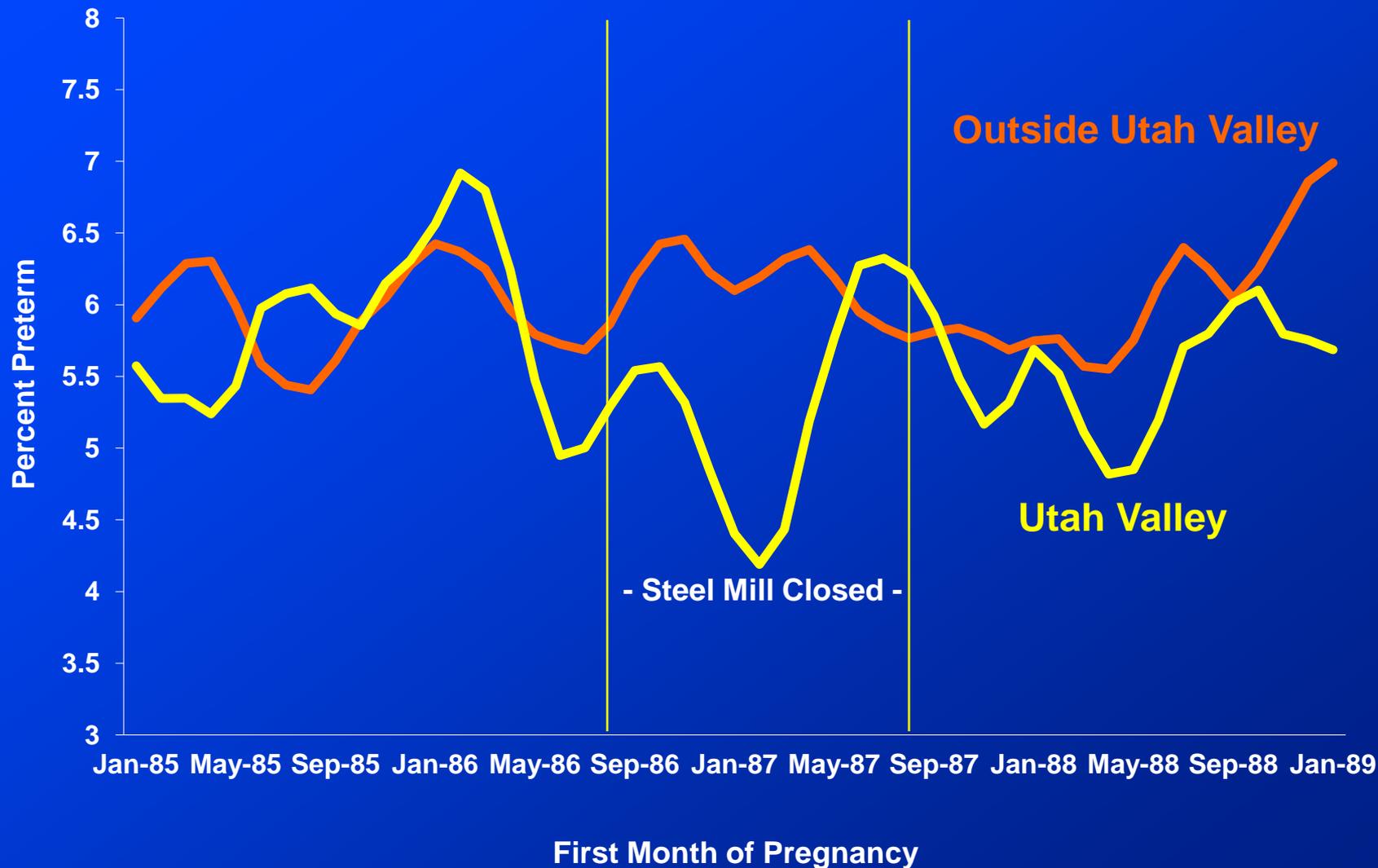
Asthma mortality: Number of deaths due to asthma per 1,000,000 children 0–17 years of age, United States, 1980–2007



SOURCE: Akinbami 2006, **The State of Childhood Asthma, United States, 1980–2005**

DATASOURCE: CDC/NCHS: Mortality Component of the National Vital Statistics System.

Preterm birth by first month of pregnancy, before, during, and after the Utah Valley steel mill closure



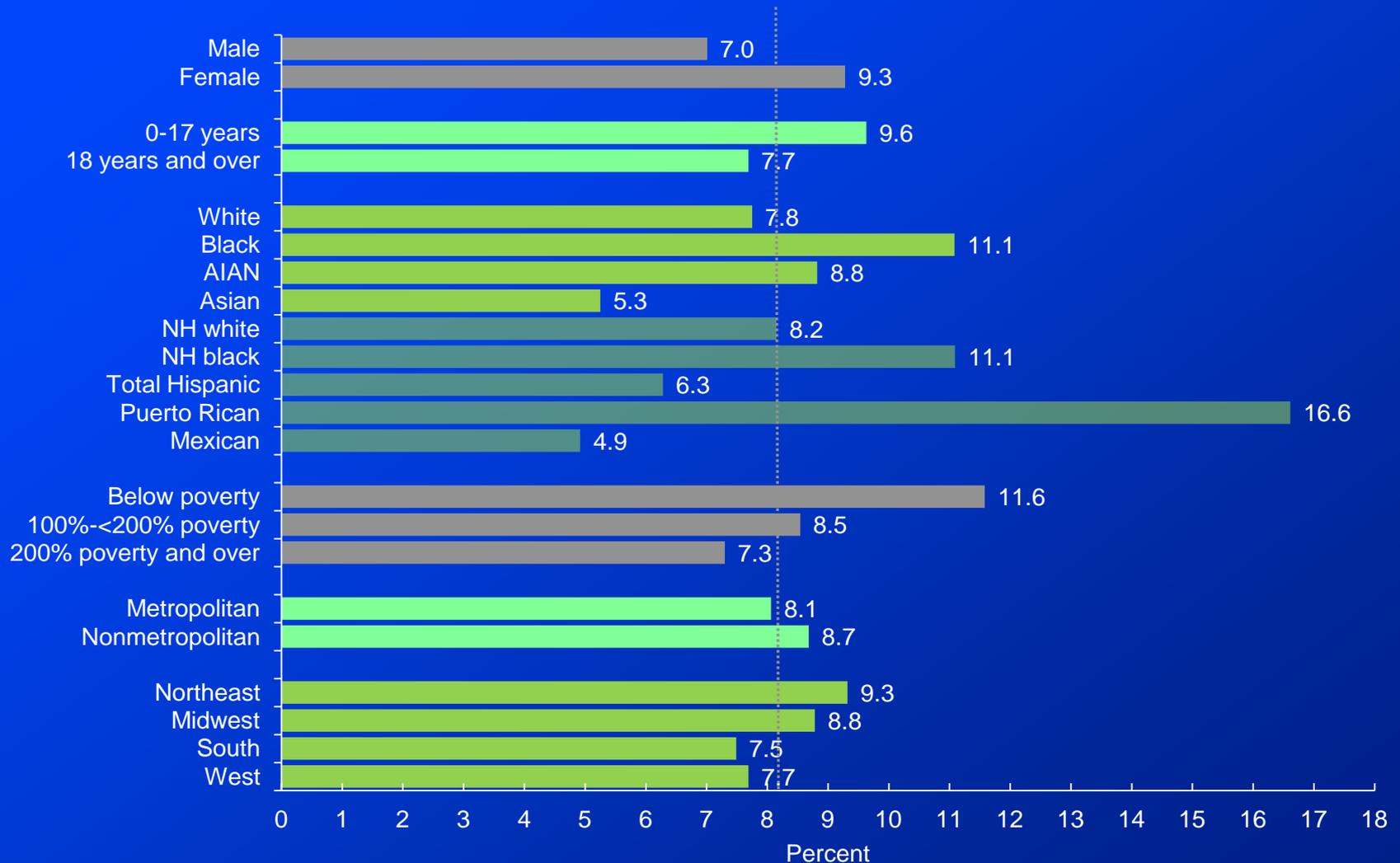
National Health Interview Survey



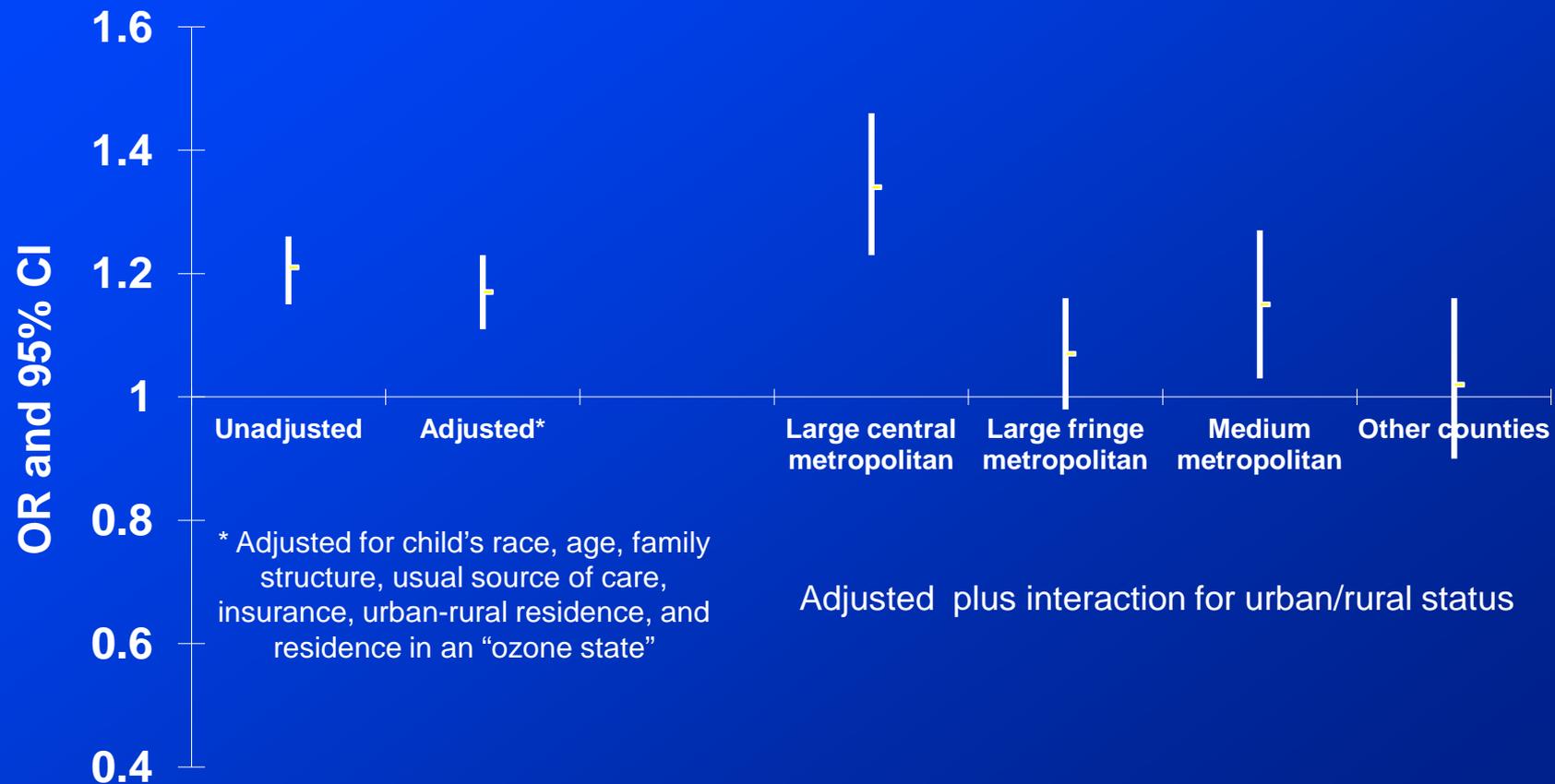
- **Data source**
 - **Representative in person, in home survey of ~ 87,500 respondents from over 400 locations**
- **Data applications**
 - **Health status and disability**
 - **Health insurance and access to and use of health services**
 - **Extent of illness and disability**
 - **Health behavior**
- **Record linkages to mortality, Medicare claims**
- **Geographic linkages to air quality**

Current asthma prevalence by selected characteristics, National Health Interview Survey, 2009

Total current asthma prevalence 8.2%



Association (odds ratios and 95% confidence intervals) between annual ozone (per 0.01 ppm) and respiratory allergy/hay fever among children



National Health and Nutrition Examination Survey



- Data source
 - Standardized physical examinations, laboratory tests, personal interviews with annual sample of 5,000
- Data applications
 - Disease or condition prevalence
 - Risk factors
 - Nutrition monitoring
 - Growth and development
 - Disease monitoring
- Record linkages to mortality, Medicare claims
- Geographic linkages to air quality, traffic



CDC Home



Centers for Disease Control and Prevention

CDC 24/7: Saving Lives. Protecting People. Saving Money through Prevention.

 SEARCH

A-Z Index **A B C D E F G H I J K L M N O P Q R S T U V W X Y Z #**

National Report on Human Exposure to Environmental Chemicals

The *Fourth National Report on Human Exposure to Environmental Chemicals 2009* and the *Updated Tables, February 2011*, together are the most comprehensive assessment of environmental chemical exposure in the U.S. population. Since 1999, CDC has measured 219 chemicals in people's blood or urine. The *Fourth Report, 2009*, includes the findings from national samples for 1999-2000, 2001-2002, and 2003-2004.

The blood and urine samples were collected from participants in CDC's National Health and Nutrition Examination Survey (NHANES), which obtains and releases health-related data from a nationally representative sample in two-year cycles.

The *Updated Tables* add more recent and new data to the *Fourth Report, 2009*. The *Updated Tables* are cumulative and include data reported in earlier updates. Therefore, the *Updated Tables, February 2011* includes data that were reported in the previous *Updated Tables, July 2010*. The *Updated Tables, February 2011* presents data from the 2005-2006 and 2007-2008 NHANES survey periods for 54 of the chemicals previously reported through 2004 in the *Fourth Report, 2009*, along with nine more recently added chemicals. The data are analyzed separately by age, sex, and racial/ethnic groups.



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Updated Tables, February 2011 **NEW**

The *Updated Tables* do not update all chemicals in the *Fourth Report* and are therefore supplemental to the *Fourth Report*.

National Biomonitoring Program



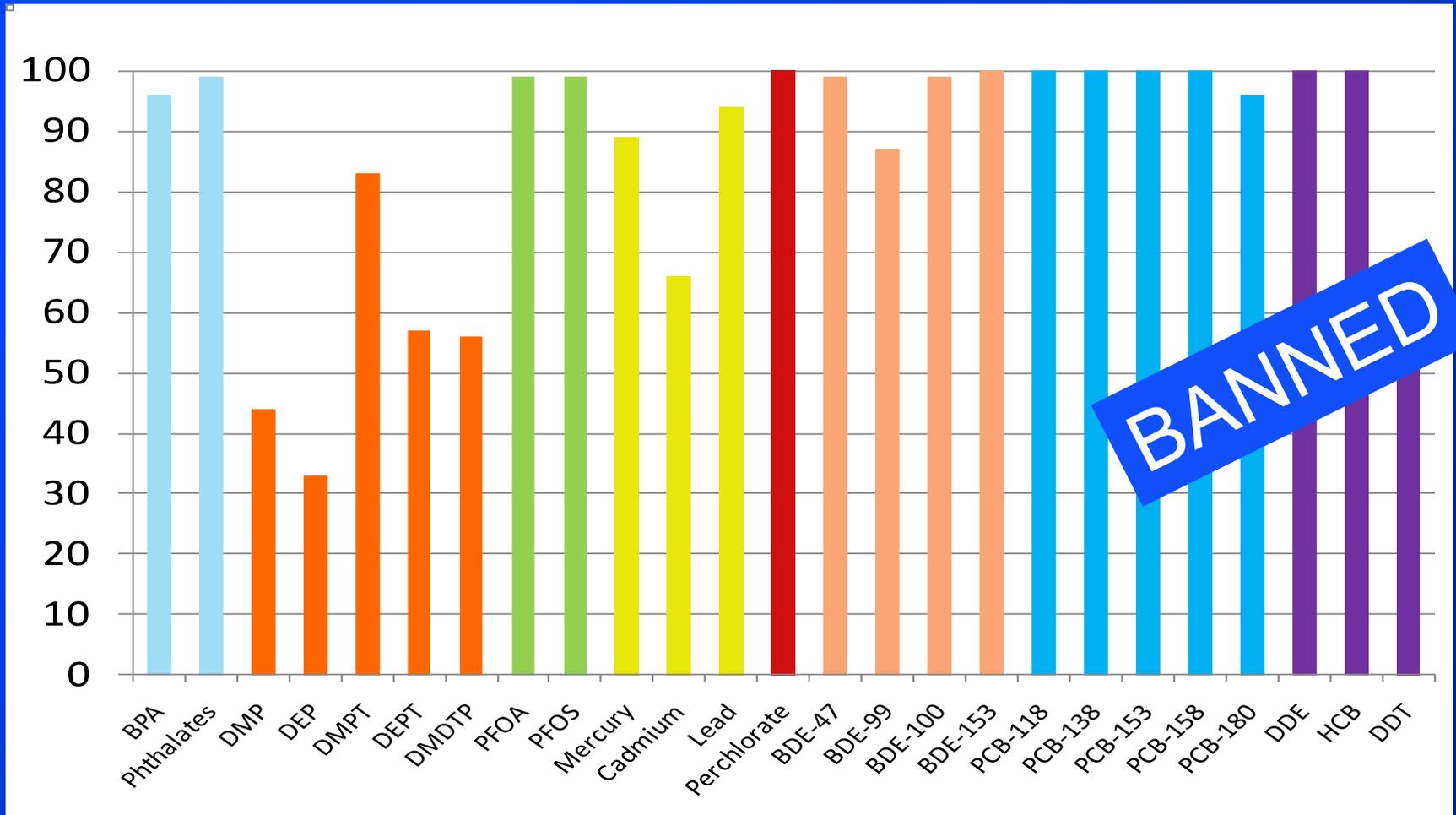
The Program specializes in

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Centers for Disease Control and Prevention

Contemporary Prenatal Exposure to Endocrine Disrupting Chemicals

Percentage of U.S. Pregnant Women with Detectable Level of Analyte



Go to the NCHS website for:

- Public use data files
- Publications
- Data access tools
- Information about the Research Data Center (RDC)
- Information about the Data Linkage program

- Additional information:
 - <http://www.cdc.gov/nchs/>
 - JDParker@cdc.gov