

ICPSR 23580

**Infant Health and Development
Program, Phase IV, 2001-2004
[United States]**

Description

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Bibliographic Description

ICPSR Study No.: 23580

Title: Infant Health and Development Program, Phase IV, 2001-2004 [United States]

Alternate Title: Follow-up Study of Adolescents Who Participated in the Infant Health and Development Program

Principal Investigator(s): Marie C. McCormick, Harvard School of Public Health
Jeanne Brooks-Gunn, Columbia University. Teachers College
Stephen L. Buka, Harvard School of Public Health

Funding Agency: Robert Wood Johnson Foundation

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Scope of Study

Summary: The Infant Health and Development Program (IHDP) was a multisite, randomized, controlled trial of an educational intervention until three years of age for low birth weight preterm infants born in 1984-1985. There were three components to the intervention: (1) an educational program delivered through home visits (weekly during the first year and every other week during the second and third years of life), (2) a daily center-based program beginning at 12 months corrected for duration of gestation, and (3) parent support groups coinciding with the start of the center-based program. Previously, the subjects were assessed at baseline up to age 3 (Phase I), age 5 (Phase II), and age 8 (Phase III). Phase IV assessed them at age 18.

This data collection contains selected variables from all four phases that were used in analyses reported in two articles by the principal investigators and others:

- McCormick, Marie C., Jeanne Brooks-Gunn, Stephen L. Buka, Julie Goldman, Jennifer Yu, Mikhail Salganik, David T. Scott, Forrest C. Bennett, Libby L. Kay, Judy C. Bernbaum, Charles R. Bauer, Camilia Martin, Elizabeth R. Woods, Anne Martin, and Patrick H. Casey. "Early Intervention in Low Birth Weight Premature Infants: Results at 18 Years of Age for the Infant Health and Development Program." *Pediatrics* 117.3 (2006): 771-780.
- Martin, Anne, Jeanne Brooks-Gunn, Pamela Klebanov, Stephen L. Buka, and Marie C. McCormick. "Long-term maternal effects of early childhood intervention: Findings from the Infant Health and Development Program (IHDP)." *Journal of Applied Developmental Psychology* 29 (2008): 101-117.

As such, the collection comprises only some of the variables that were collected for Phase IV and the other phases.

The collection contains information about the children and their mothers/caregivers. Data on the children include treatment group, sex, birth weight group, and an index of neonatal health, plus indices of receptive vocabulary, intelligence, and adult-child activities at age 5, indices of intelligence, receptive vocabulary, reading ability, math ability, and behavioural problems and competencies at ages 8 and 18, and indices of risk behaviors, physical health, future expectations, and engagement towards school at age 18. Information about the mothers/caregivers includes maternal age and mother's race, as well as educational achievement at baseline and ages 5, 8, and 18; smoking at ages 5 and 18; measures of employment, physical health, and mental health at ages 5, 8, and 18; indices of parenting style, educational aspirations for the child, and yelling frequency at the child at ages 8 and 18; and indices of connectedness to the community and involvement with the child's school at age 18. Other variables include measures of home literacy and the presence of televisions in the household at age 5, and indices of family cohesion and conflict at ages 8 and 18.

Subject Term(s): child development, cognitive functioning, early childhood education, infants, intervention, premature births

Geographic Coverage: United States

Time Period: • 1984 - 2004

Date(s) of Collection: • 1984 - 2004

Universe: Infants born between November 1984 and August 1985 at eight participating medical centers were eligible for the study if they weighed

2,500 grams or less at birth, had a gestational age of 37 weeks or less, and did not have a severe medical illness or neurological impairment. Of the 1,302 infants who were eligible, 274 did not enroll due to refusal and another 43 dropped out before randomization, leaving 985 infants in the primary analysis group. After stratification by site and birth weight group (2,000 grams or less, 2,001-2,500 grams), the infants were randomly assigned to the intervention and follow-up only groups. The participating sites were the University of Arkansas for Medical Sciences, Albert Einstein College of Medicine, Harvard Medical School, University of Miami School of Medicine, University of Pennsylvania School of Medicine, University of Texas Health Science Center at Dallas, University of Washington School of Medicine, and Yale University School of Medicine.

Data Type: clinical data

experimental data

Data Collection Notes: Extensive Phase I data are available in INFANT HEALTH AND DEVELOPMENT PROGRAM (IHDP): ENHANCING THE OUTCOMES OF LOW BIRTH WEIGHT, PREMATURE INFANTS IN THE UNITED STATES, 1985-1988 (ICPSR 9795).

The data file can be linked to the Phase I data (ICPSR 9795) by matching on the subject identification variable named IHDP. Since this identification variable is restricted from general dissemination, it is only available under the terms and conditions of an Agreement for the Use of Confidential Data. For information about obtaining restricted variables see the "Restrictions" section of this study description.

The Phase IV data were collected at the following locations:

1. National Center for Children and Families, Teachers College, and College of Physicians and Surgeons, Columbia University (New York, NY)
2. Department of Psychiatry and Behavioral Sciences, University of Washington (Seattle, WA)
3. Department of Pediatrics, University of Washington (Seattle, WA)
4. Department of Psychiatry, University of Texas Southwestern Medical Center (Dallas, TX)
5. Department of Pediatrics, University of Pennsylvania School of Medicine Children's Hospital of Philadelphia (Philadelphia, PA)
6. Department of Pediatrics, University of Miami School of Medicine (Miami, FL)
7. Department of Neonatology, Beth Israel Deaconess Medical Center (Boston, MA)
8. Children's Hospital Boston (Boston, MA)

9. Department of Pediatrics, University of Arkansas for Medical Sciences (Little Rock, AR)

Methodology

Sample: Subjects who did not refuse participation in earlier phases of the trial were eligible for participation in Phase IV. Subjects were considered eligible for participation in Phase IV even if no data were collected for Phases II and III.

Mode of Data Collection: cognitive assessment test

face-to-face interview

Response Rates: Phase IV assessed 636 (64.6 percent) of the 985 subjects in the primary analysis group.

- Presence of Common Scales:**
1. Neonatal Health Index
 2. Adult-child Activities Scale
 3. Home Literacy Scale
 4. Child Outings Scale
 5. SF-20 Physical Functioning (20-item Medical Outcomes Study Short Form General Health Survey)
 6. SF-20 Mental Health (20-item Medical Outcomes Study Short Form General Health Survey)
 7. SF-20 General Health Perceptions (20-item Medical Outcomes Study Short Form General Health Survey)
 8. SF-20 Bodily Pain (20-item Medical Outcomes Study Short Form General Health Survey)
 9. SF-20 Social Functioning (20-item Medical Outcomes Study Short Form General Health Survey)
 10. SF-20 Role Functioning (20-item Medical Outcomes Study Short Form General Health Survey)
 11. SF-36 Physical Component Scale (36-item Medical Outcomes Study Short Form General Health Survey)
 12. SF-36 Mental Component Scale (36-item Medical Outcomes Study Short Form General Health Survey)
 13. Control of Child Scale (Rochester Assessment Package for Schools Parent Report)
 14. Enforces Authority, Rules Scale (Rochester Assessment Package for Schools Parent Report)
 15. Democratic Parenting Style Scale (Rochester Assessment Package for Schools Parent Report)
 16. Cohesion Scale (from Family Environment Scale)
 17. Conflict Scale (from Family Environment Scale)
 18. Wechsler Intelligence Scale for Children

19. Peabody Picture Vocabulary Test (PPVT-III)
20. Woodcock-Johnson Broad Reading Score
21. Woodcock-Johnson Broad Math Score
22. Child Behavior Checklist
23. Maternal Connectedness Scale
24. School Involvement Scale
25. Educational Aspirations for Child Scale
26. Supervision Scale
27. Total Behavior Problem Index
28. Youth Risk Behavior Surveillance Score
29. Wechsler Abbreviated Scale of Intelligence
30. SF-12 Physical Health Scale (12-item Medical Outcomes Study Short Form General Health Survey)
31. Future Expectation Scale (FE)
32. Engagement Towards School Scale (ETS)
33. Peabody Picture Vocabulary Test-Revised (PPVT-R)
34. Wechsler Preschool and Primary Scale of Intelligence (WPPSI)

Extent of Processing: Checked for undocumented or out-of-range codes.

Access and Availability

Note: A list of the data formats available for this study can be found in the [summary of holdings](#). Detailed file-level information (such as record length, case count, and variable count) is listed in the [file manifest](#).

Restrictions: As explained in the ICPSR Processing Note in the codebook, some variables are restricted from general dissemination for reasons of confidentiality. Users interested in obtaining the restricted data must complete an Agreement for the Use of Confidential Data, specify the reasons for the request, and obtain IRB approval or notice of exemption for their research. Apply for access to these data through the ICPSR restricted data contract portal, which can be accessed via the study home page ([Link](#)).

Original ICPSR Release: 2009-01-27

Version History: The last update of this study occurred on 2013-02-15.

2013-02-15 - A minor edit was made to the xml documentation file used by the ICPSR Social Science Variables Database.

2013-02-14 - The principal investigators added two variables to the data collection: KIDPPVT5 (PPVT-R standard score at age 5) and WIPPSIF5 (Full scale IQ score at age 5 (WPPSI)). ICPSR updated the codebook accordingly.

- Dataset(s):
- DS1: Infant Health and Development Program, Phase IV, 2001-2004 [United States]