ICPSR 4075

Early Childhood Longitudinal Study [United States]: Kindergarten Class of 1998-1999, Third Grade

Codebook for Part 3: Record Layout of the Cross Round Weight Status

United States Department of Education National Center for Education Statistics

First ICPSR Version December 2004



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Bibliographic Description

ICPSR Study No.: 4075

Title: Early Childhood Longitudinal Study [United States]: Kindergarten Class

of 1998-1999, Third Grade

Principal Investigator(s): United States Department of Education. National Center for Education

Statistics

Series: Early Childhood Longitudinal Study (ECLS) Series

Bibliographic Citation: U.S. Dept. of Education, National Center for Education Statistics.

EARLY CHILDHOOD LONGITUDINAL STUDY [UNITED STATES]: KINDERGARTEN CLASS OF 1998-1999, THIRD GRADE [Computer file]. ICPSR version. Washington, DC: U.S. Dept of Education, Institute of Education Sciences [producer], 2004. Ann Arbor, MI: Inter-university

Consortium for Political and Social Research [distributor], 2004.

Scope of Study

Summary: The Early Childhood Longitudinal Study, Kindergarten Class of

1998-1999 (ECLS-K) focuses on children's early school experiences beginning with kindergarten through fifth grade. It is a nationally representative sample that collects information from children, their families, their teachers, and their schools. ECLS-K provides data about the effects of a wide range of family, school, community, and individual

variables on children's development, early learning, and early

performance in school. This data collection contains the wave of data collected in the spring of third grade (2002). The third-grade data collection includes information about the diversity of the study children, the schools they attended, and their academic progress in the years following kindergarten. Other variables include child gender, child race, family background, childcare, childcare arrangements, food security, hours per week in child care, socioeconomic status, household

income, highest level of education for parents and students, parents' employment status, teachers' evaluation practice, and usefulness of

different activities in the classroom.

Subject Terms: birth, child care, child development, early childhood education,

elementary education, family life, infants, kindergarten, mathematics, minority groups, preschool children, reading skills, school, school age

children, school readiness

Geographic Coverage: United States

Time Period: Spring 2001-2002

Date of Collection: Spring 2002

Universe: Children and their families, teachers, and schools in the United States.

Data Type: survey data

Data Collection Notes:

(1) Since the sample for the third-grade data is collected from all of the base-year respondents and children who were brought into the sample in the spring-first-grade wave, the documentation for the base-year and first-grade data are included as part of this collection. The data for the base year and first grade are available separately as EARLY CHILDHOOD LONGITUDINAL STUDY [UNITED STATES]: KINDERGARTEN CLASS OF 1998-1999 (ICPSR 3676). (2) The codebooks, data collection instruments, and user guide are provided by the data producer as Portable Document Format (PDF) files. The PDF file format was developed by Adobe Systems Incorporated and can be accessed using PDF reader software, such as the Adobe Acrobat Reader. Information on how to obtain a copy of the Acrobat Reader is provided on the ICPSR Web site.

Methodology

Sample:

ECLS-K utilized a multistage probability sample design to select a nationally representative sample of children attending kindergarten in 1998-1999. The Third Grade sample consisted of all children who were base year respondents and children who were brought into the sample in spring-first-grade wave through the sample freshening procedure described in section 4.3 of the manual and their families, teachers, and schools. The first-grade data collection targeted base-year respondents, in which a case was considered responding if there was a completed child assessment or parent interview in fall- or spring-kindergarten. While all base-year respondents were eligible for the spring-first-grade data collection, the effort for fall-first-grade was limited to a 30-percent subsample. The spring student sample was freshened to include current first graders who had not been enrolled in kindergarten in 1998-1999 and, therefore, had no chance of being included in the ECLS-K base-year kindergarten sample. For both falland spring-first grade, only a subsample of students who had transferred from their kindergarten school was followed. The third-grade data collection targeted base-year respondents and children sampled in first grade through the freshening operation. As in the first-grade data collection, only a subsample of students who had transferred from their kindergarten school was followed. In third grade, however, the subsampling rate applied to transferred children was slightly higher: children whose home language was non-English (also known as children belonging to the language minority group) and who moved for the first time in third grade were followed at 100 percent. In other words, children belonging to the language minority group who did not move in first grade but moved in third grade were all followed into their new third grade schools. The Third Grade User Manual is

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provided as part of the documentation for this collection.

Data Source: Computer-assisted telephone interviewing (CATI) for the parent

interviews, computer-assisted personal interview (CAPI) and self-description questionnaires for child assessment, and

self-administered questionnaires for the teachers and the school

administrators

Extent of Processing: DDEF.PR/ CONCHK.PR/ UNDOCCHK.PR/ UNDOCCHK.ICPSR/

REFORM.DATA

Access and Availability

Extent of Collection: 3 data files + machine-readable documentation (PDF) + SAS data

definition statements + SPSS data definition statements + Stata data

definition statements + data collection instruments (PDF)

Data Format: Logical Record Length with SAS, SPSS, and Stata data definition

statements, SAS transport file, and SPSS portable file

File Specifications

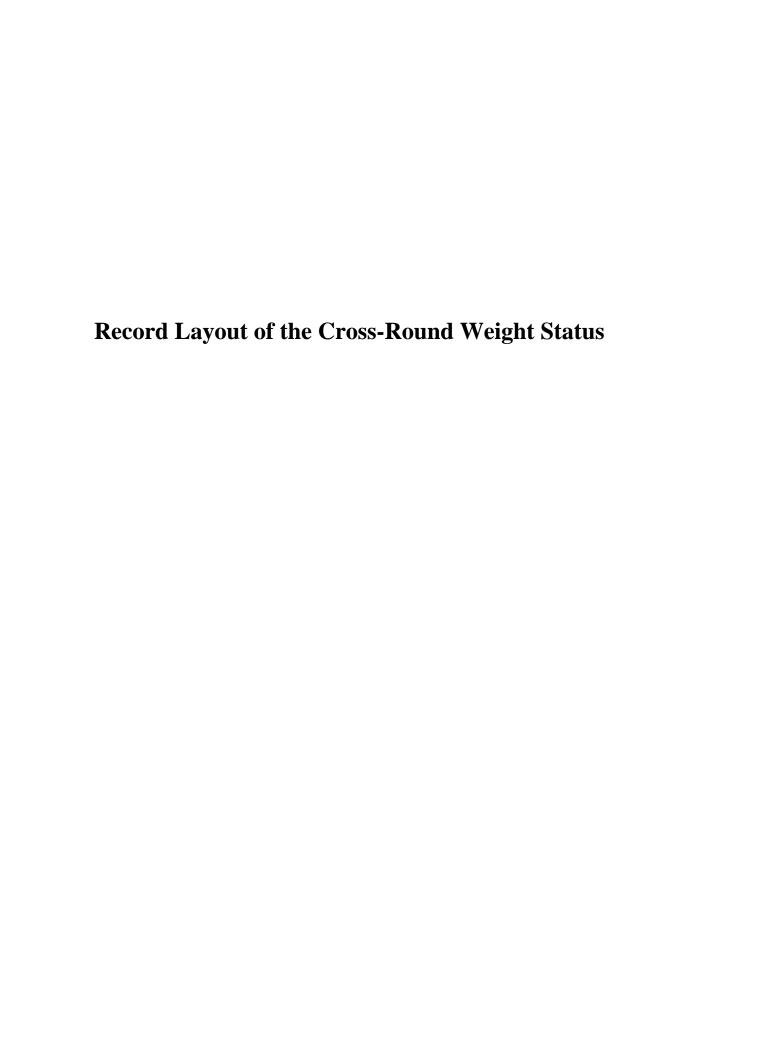
Part No.	Part Name	File Structure	Case Count	Variable Count	LRECL	Records Per Case
1	Third Grade Child Data	rectangular	15,305	3,225	5,798	2
2	Round 5 Base Weights and Adjustment Factors	rectangular	21,357	113	1,159	1
3	Cross-Round Weight Status	rectangular	22,978	16	37	1

ICPSR PROCESSING NOTES FOR #4075 Early Childhood Longitudinal Study [United States]: Kindergarten Class of 1998-1999, Third Grade

Codebook for Part 3: Record Layout of the Cross-Round Weight Status

The following documentation comes directly from the National Center for Education Statistics (NCES) explaining the detailed information about the R15WSTAT.dat and R5BASEWT.dat files, their record layouts and programs to read these files into SASS and SPSS datasets.

The ICPSR conventional naming for the 'Cross-Round Weight Status' ASCII file (**R15WSTAT.dat**) is da4075.p3.dat. This file includes a codebook called cb4075.p3.pdf, a SAS data definition Statements called sa4075.p3 and a SPSS data definitions Statement called sp4075.p3.



There are two data files in this appendix together with file record layouts and programs to read the files into SAS or SPSS datasets. The two data files are: *R15wstat.dat* and *R5basewt.dat*.

File R15wstat.dat

This data file has records for all children ever sampled for the ECLS-K. Each record has eight variables. The record layout of the file can be found in *R15WSTATRecordLayout.pdf* as well as the value descriptions. The variables are as follows:

CHILDID - Child ID

PARENTID - Parent ID

FRESHLNK – Nonmissing only for children sampled in first grade. Each child sampled in first-grade as part of the sample freshening procedure was linked to a child sampled in kindergarten. For a discussion of the spring-first grade sample freshening, see chapter 4.

FRESHEE – Flag to indicate whether the child was sampled in spring-first grade as part of the sample freshening procedure. This flag is useful to subset records for analyses involving only children sampled in kindergarten.

CrSTAT, r=1 to 5 – Flag to indicate whether the child has a weight that can be used with completed assessment data. Note that children who were not assessed due to a disability also have this type of weight. The letter r in the variable name designates the round of data collection: 1=fall-kindergarten; 2=spring-kindergarten, 3=fall-first grade, 4=spring-first grade and 5=spring-third grade.

PrSTAT, r=1 to 5 – Flag to indicate whether the child has a weight that can be used with completed parent data. The letter r in the variable name designates the round of data collection: 1=fall-kindergarten; 2=spring-kindergarten, 3=fall-first grade, 4=spring-first grade and 5=spring-third grade.

BYELIG – Flag to indicate whether the child was eligible for the study in the base year (fall-kindergarten or spring-kindergarten).

BYRESPON – Flag to indicate whether the child was a base year respondent. A base year respondent is defined as a child who has completed fall-kindergarten or spring-kindergarten assessment data or parent interview data or who was not assessed in fall- or spring-kindergarten due to a disability (i.e., C1STAT=1 or C2STAT=2 or P1STAT=1 or P2STAT=1).

File R5basewt.dat

This data file has records for children eligible for the spring-third grade data collection. Each record has 119 variables. These are base weights and adjustment factors that were used to compute the final weights for spring-third grade. The record layout of the file can be found in *R5BASEWTRecordLayout.pdf* as well as the value descriptions. The variables are as follows:

CHILDID - Child ID

PARENTID - Parent ID

FRESHLNK – Nonmissing only for children sampled in first grade. Each child sampled in first grade as part of the sample freshening procedure was linked to a child sampled in kindergarten. For a discussion of the spring-first grade sample freshening, see chapter 4.

FRESHEE – Flag to indicate whether the child was sampled in spring-first grade as part of the sample freshening procedure. This flag is useful to subset records for analyses involving only children sampled in kindergarten.

C5STAT – Flag to indicate whether the child has a weight that can be used with completed spring-third grade assessment data. Note that children who were not assessed due to a disability also have this type of weight.

P5STAT – Flag to indicate whether the child has a weight that can be used with completed spring-third grade parent data.

SCHBSW0 – Full sample school base weight (inverse of school selection probability).

SCHBSW1 – SCHBSW90 – Replicate school base weights.

R12SC F0 – Base year school nonresponse adjustment factor

WS CWGT – Within school child weight (inverse of child selection probability within school).

BYCHAF0 – Base year child nonresponse adjustment factor

F1SCHAF0 – Spring-first grade school freshening subsampling adjustment factor.

F2SCHAF0 – Spring-first grade school freshening nonresponse adjustment factor.

R4UGAF0 – Spring-first grade unknown grade adjustment factor.

R4MOVF0 – Spring-first grade mover adjustment factor for movers.

R5MOVST – Spring-third grade mover status used for weighting.

R5MOVF0 – Spring-third grade mover adjustment factor

R5TRMF0 – Spring-third grade trimming factor for mover adjusted weight

C5A1F0 – Child unknown eligibility adjustment factor.

C5A2F0 – Child nonresponse adjustment factor.

C5A3F0 – Child raking factor.

P5A1F0 – Parent unknown eligibility adjustment factor.

P5A2F0 – Parent nonresponse adjustment factor.

P5A3F0 – Parent raking factor.

For children sampled in kindergarten (i.e., FRESHEE=0), the final weight to be used with child assessment data was computed as:

C5CW0 =	
SCHBSW0	school base weight
\times R12SC_F0	base year school nonresponse adjustment factor
× WS_CWGT	within school child weight
× BYCHAF0	base year child nonresponse adjustment factor
\times R5MOVF0	spring-third grade mover adjustment factor
\times R5TRMF0	spring-third grade trimming factor after mover adjustment
\times C5A1F0	child unknown eligibility adjustment factor
\times C5A2F0	child nonresponse adjustment factor
\times C5A3F0	child raking factor

The final weight to be used with parent interview data was computed as:

C5PW0 =	
SCHBSW0	school base weight
\times R12SC_F0	base year school nonresponse adjustment factor
× WS_CWGT	within school child weight
× BYCHAF0	base year child nonresponse adjustment factor
\times R5MOVF0	spring-third grade mover adjustment factor
\times R5TRMF0	spring-third grade trimming factor after mover adjustment
\times P5A1F0	parent unknown eligibility adjustment factor
\times P5A2F0	parent nonresponse adjustment factor
\times P5A3F0	parent raking factor

For children sampled in spring-first grade (FRESHEE=1) as part of sampling freshening, the weight to be used with child assessment data was computed as:

school base weight
base year school nonresponse adjustment factor
spring-first grade school freshening subsampling adjustment factor
spring-first grade school freshening nonresponse adjustment factor
within school child weight
base year child nonresponse adjustment factor
spring-first grade unknown grade adjustment factor
spring-first grade mover adjustment factor for movers
spring-third grade mover adjustment factor
spring-third grade trimming factor after mover adjustment
child unknown eligibility adjustment factor
child nonresponse adjustment factor
child raking factor

The weight to be used with parent interview data was computed as:

C5PW0 =	
SCHBSW0 school base weight	
× R12SC_F0 base year school nonresponse adjustment factor	
× F1SCHAF0 spring-first grade school freshening subsampling adjustment	ent factor
× F2SCHAF0 spring-first grade school freshening nonresponse adjustme	ent factor
× WS_CWGT within school child weight	
× BYCHAF0 base year child nonresponse adjustment factor	
× R4UGAF0 spring-first grade unknown grade adjustment factor	
× R4MOVF0 spring-first grade mover adjustment factor for movers	
× R5MOVF0 spring-third grade mover adjustment factor	
× R5TRMF0 spring-third grade trimming factor after mover adjustmen	t
× P5A1F0 parent unknown eligibility adjustment factor	
× P5A2F0 parent nonresponse adjustment factor	
× P5A3F0 parent raking factor	

For a detailed discussion of the spring-third grade weighting procedures, see *Early Childhood Longitudinal Study, Kindergarten Class of 1998-9 (ECLS-K), Methodology Report for the Third Grade, Volume I* (U.S. Department of Education, National Center for Education Statistics, forthcoming).

R15WSTAT

CHILDID CHILD ID Character 1 - 8 PARENTID PARENT ID Character 9 - 16 FRESHLNK ID OF CHILD WHOM FRESHEE IN LINKED TO Character 17 - 24	IDs IDs
FRESHLNK ID OF CHILD WHOM FRESHEE IN LINKED TO Character 17 - 24	IDe
FRESHLNK ID OF CHILD WHOM FRESHEE IN LINKED TO Character 17 - 24	
	IDs
FRESHEE FLAG:WHETHER CHILD SAMPLED IN 1ST GRADE Numeric 25 - 25	0 = No
	1 = Yes
C1STAT ROUND1 C-WEIGHT STATUS Numeric 26 - 26	1 = Respondent
Trainene 20 20	2 = Nonrespondent
	3 = Ineligible
P1STAT ROUND1 P-WEIGHT STATUS Numeric 27 - 27	1 = Respondent
None in the interest of the in	2 = Nonrespondent
	3 = Ineligible
C2STAT ROUND2 C-WEIGHT STATUS Numeric 28 - 28	1 = Respondent
C2STAT ROUND2 C-WEIGHT STATUS Numeric 28 - 28	2 = Nonrespondent
	3 = Ineligible
P2STAT ROUND2 P-WEIGHT STATUS Numeric 29 - 29	1 = Respondent
	2 = Nonrespondent
	3 = Ineligible
C3STAT ROUND3 C-WEIGHT STATUS Numeric 30 - 30	1 = Respondent
	2 = Nonrespondent
	3 = Ineligible
	4 = Unknown eligibility
	5 = Moved, subsampled out
P3STAT ROUND3 P-WEIGHT STATUS Numeric 31 - 31	1 = Respondent
	2 = Nonrespondent
	3 = Ineligible
	4 = Unknown eligibility
	5 = Moved, subsampled out
C4STAT ROUND4 C-WEIGHT STATUS Numeric 32 - 32	0 = Child sampled in error
	1 = Respondent
	2 = Nonrespondent
	3 = Ineligible
	4 = Unknown eligibility
	5 = Moved, subsampled out
P4STAT ROUND4 P-WEIGHT STATUS Numeric 33 - 33	0 = Child sampled in error
TOOMET WEIGHT OTHERS	1 = Respondent
	2 = Nonrespondent
	3 = Ineligible
	4 = Unknown eligibility
	5 = Moved, subsampled out
C5STAT ROUND5 C-WEIGHT STATUS Numeric 34 - 34	0 = Child sampled in error
COSTAT ROUNDS C-VEIGHT STATOS INTINIENC 34 - 34	1 = Respondent
	2 = Nonrespondent
	0 1 11 11 1
	3 = Ineligible
	4 = Unknown eligibility
DEGTAT DOUBLE DIVISION STATIO	5 = Moved, subsampled out
P5STAT ROUND5 P-WEIGHT STATUS Numeric 35 - 35	0 = Child sampled in error
	1 = Respondent
	2 = Nonrespondent
	3 = Ineligible
	4 = Unknown eligibility
	5 = Moved, subsampled out
BYELIG BASE YEAR ELIGIBILITY STATUS Numeric 36 - 36	0 = No
	1 = Yes
BYRESPON BASE YEAR RESPONSE STATUS Numeric 37 - 37	1 = Respondent
	2 = Nonrespondent
	3 = Ineligible

SOURCE: U.S. Department of Education, National Center for Education Statistics, Early Childhood Longitudinal Study, Kindergarten Class of 1998-99 third grade data collection, school year 2001-02.