

**User Guide for the Time Diary Media Files from the Child Development
Supplement to the Panel Study of Income Dynamics**

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December, 2018

This User Guide describes the data structure and contents of the PSID Child Development Supplement Time Diary media code files.

Background

The PSID Child Development Supplement (CDS) is a nationally-representative multi-cohort longitudinal study collecting comprehensive information on the health, development, and well-being of US children in their family, neighborhood, and school contexts. CDS began in 1997, with four waves of data collection through 2014.

At each wave, participants completed two 24-hour time diaries describing their activities on one randomly selected weekday and one randomly selected weekend day. In the diaries, participants recorded the titles of the television shows, movies, and videos they watched. These titles have been reviewed and coded to describe each program's content, nature, and target audience. These codes comprise the content of the CDS time diary media code data files.

Media code data files are currently in public release for three waves of CDS: 1997 (CDS-I), 2002 (CDS-II), and 2014 (CDS-2014). Media codes appear in separate data files for each interview year. Media titles were also collected in time diaries in 2007 (CDS-III); those titles will be coded and publicly released at a future date.

Media Codes in CDS-I and CDS-II

The original CDS began in 1997 (CDS-I) as a study of 3,563 children aged 0-12 years and their caregivers who were living in PSID families in that year. The study included up to two randomly selected age-eligible children per household. Children and their caregivers were re-interviewed in 2002/03 (CDS-II) when children were aged 5-17 years and in 2007 (CDS-III) when children were aged 10-17 years. (Children aged 18 years and older in 2007 were not age-eligible for CDS-III.) The time diary media codes available from CDS-I and CDS-II describe the media consumption of children born between 1985 and 1997 in the years 1997 and 2002/03.

Users may review the time diary instrument used in 1997 (CDS-I) at <https://psidonline.isr.umich.edu/CDS/questionnaires/cds-i/english/Tdiary.pdf>. The time diary instrument used in 2002/03 is available at <https://psidonline.isr.umich.edu/CDS/questionnaires/cds-ii/english/cdsiitdday.pdf>.

Media Codes in CDS-2014

By the year 2014, all children included in the original CDS had aged into adulthood. A new round of CDS data collection in that year included all eligible children aged 0-17 years living in PSID families in 2013 (N=4,333). A randomly selected fifty percent of CDS-2014 families were selected to be eligible to complete time diaries. Time diary media codes available from CDS-2014 describe the media consumption of children born between 1997 and 2013 in 2014.

Users may review the time diary instrument used in CDS-2014 at https://psidonline.isr.umich.edu/cds/questionnaires/cds-14/td_weekday_weekend.pdf.

More information about CDS and the time diaries is provided in the CDS User Guides: <https://psidonline.isr.umich.edu/Guide/documents.aspx>.

Acknowledgements

Television, movie, and video content reported in the 1997 and 2002 CDS time diaries was coded at The Center for Research on Interactive Technology, Television and Children (CRITC) at University of Texas at Austin. Content reported in the 2014 CDS time diaries was coded by Dr. Elizabeth Vandewater at the University of Texas at Austin. Direct questions to the PSID Help Desk at psidhelp@umich.edu.

Data Structure

Each file is structured at the activity level. There is one record per media activity for each weekday/weekend diaries for each child for each wave of data collection (1997, 2002 and 2014 data are kept in separate files). Identifier variables that will help you link the media codes back to the main time diary activity files are as follows. (These are wave-specific.)

Unique Identifiers for 1997 Data:

TD97M02	1997 Interview Number (corresponds to ER33401)
TD97M03	1997 Sequence Number (corresponds to ER33402)
TD97M04	Type of Diary (corresponds to WDAYWEND)
TD97M05	Start Time (corresponds to COLB)
TD97M06	End Time (corresponds to COLC)

Unique Identifiers for 2002 Data:

TD02M02	2001 Interview Number (corresponds to ER33601)
TD02M03	2001 Sequence Number (corresponds to ER33602)
TD02M04	Type of Diary (corresponds to DIARY_02)
TD02M05	Start Time (corresponds to COLB_02)
TD02M06	End Time (corresponds to COLC_02)

Unique Identifiers for 2014 Data:

TD14M02	2013 Interview Number (corresponds to ER34201)
TD14M03	2013 Sequence Number (corresponds to ER34202)
TD14M04	Type of Diary (corresponds to DIARY_14)
TD14M05	Start Time (corresponds to COLB_14)
TD14M06	End Time (corresponds to COLC_14)

Variables

There are ten variables generated by the media coding project:

- (1) Format (TD97M09, TD02M09, TD14M09);
- (2) Intended Audience (TD97M10, TD02M10, TD14M10);
- (3) Character Age (TD97M11, TD02M11);
- (4) Genre (TD97M12, TD02M12, TD14M12);
- (5) Comedy (TD97M13, TD02M13, TD14M13);
- (6) Science Fiction, Fantasy or Supernatural/Paranormal (SF/F/SP) (TD97M14, TD02M14, TD14M14);
- (7) Curriculum (TD97M15, TD02M15, TD14M15);
- (8) Violence (TD97M16, TD02M16, TD14M16) of each television program;
- (9) Competitive Element (TD14M17); and
- (10) Online Only Content (TD14M18). Please consult the codebook for a description of these variables for each wave.

Please consult the "TV Coding Manual.pdf" file for a description of the coding process.

Merging the Media Data with Data Center Data

The data contained in the CDS Media supplement is a subset of the same-year CDS time diary records for children from whom time diary data were collected in 1997, 2002, or 2014. A record exists in the CDS Media file only if the corresponding diary record had an activity code of 'TV' (activity code 919 for variable COLA in 1997; activity code 9190 for variable COLA_02 in 2002) or 'Watching a show, video, or movie' (activity code 9190 for variable COLA_14 in 2014). Records with an activity code of 919/9190 but which did not have a codeable response for which program was watched will have missing data for the media variables for that record.

To link the CDS Media file to the unaggregated time diary records from the data center, you must sort and merge on the

five unique identifier variables listed above (TD97M02-06 for 1997; TD02M02-06 for 2002; TD14M02-06 for 2014).

Note: there will be some records in the unaggregated CDS Media file which do not initially appear to have an exact match in the unaggregated main time diary file. These are records which the media coders split into multiple entries based on two or more distinctly different TV programs being recorded in the original activity record. When combined or aggregated, these split records will provide the same overall duration of television viewing for that diary. For example:

Example from the unaggregated media file:

TD02M02	TD02M03	TD02M04	TD02M05	TD02M06
122	36	0	34200	36000
122	36	0	36000	37800
122	36	0	37800	38400

Example from the unaggregated data center file:

ER33601	ER33602	DIARY_02	COLB_02	COLC_02
122	36	0	34200	38400

Note that the start-time (TD02M05) of the first record from the media file and the end-time (TD02M06) of the last record from the media file match the start- and end-times of the record from the data center file (COLB_02 and COLC_02), while the remaining start- and end-times for the media file records define time intervals in between. In this example, an activity record of 4200 seconds duration (70 minutes) in the data center file is divided into three activity records of 1800 seconds, 1800 seconds, and 600 seconds duration (30, 30, and 10 minutes) respectively in the media file.

In some instances, multiple sets of split records exist for some entries, but when collapsed or cross-referenced as outlined above, these records combine for the same overall duration. For example:

Example from the unaggregated media file:

ER30001	ER30002	TD97M04	TD97M05	TD97M06
209	30	0	33300	34200
209	30	0	34200	36000
209	30	0	38700	39600
209	30	0	39600	40500

Example from the unaggregated data center file:

ER30001	ER30002	WDAYWEND	COLB	COLC
209	30	0	33300	36000
209	30	0	38700	40500

A complete listing of all of the split records from the 1997 and 2002 CDS Media files as well as the corresponding unaggregated data center records is provided for reference purposes:

td97media-ListOfSplitRecordsInMediaFile.pdf

td97media-ListOfSplitRecordsInDataCenterFile.pdf

td02media-ListOfSplitRecordsInMediaFile.pdf

td02media-ListOfSplitRecordsInDataCenterFile.pdf

Note: There are no split records in the 2014 media file.

If CDS Media file records are aggregated to the diary level, and are merged with aggregated records from the data center, this discrepancy goes away.

Note: to create a cross-year file containing both of these files, first you must merge each media file with time diary data from the data center for the corresponding year (1997 with 1997, 2002 with 2002, 2014 with 2014). Then you can merge the two files using the unique Individual File identifiers: ER30001, ER30002.

Additional Documentation

An aggregated listing of television show titles in CDS-I and CDS-II and the corresponding Curriculum code (TD97M15, TD02M15) assigned to them is provided for reference purposes. Note that the text values of the titles are provided as-is and can contain typos, abbreviations, etc. Also note these values have been recoded to match the coding scheme of the final release data set.

1997CurriculumTitleList.pdf

2002CurriculumTitleList.pdf