

ABCD Human Subject Study

Adolescent Brain Cognitive Development – ABCDSTUDY.org

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Culture and Environment

October 31, 2018

Data from this module will provide information across nine domains that span the home, school, and neighborhood environment, individual resilience factors, and cultural factors.

List of Instruments

Name of Instrument	Short Name
Youth Prosocial Behavior Survey	abcd_psb01
ABCD Youth Acculturation Survey Modified from PhenX (ACC)	yacc01
ABCD Parental Monitoring Survey	pmq01
ABCD Children's Report of Parental Behavioral Inventory	crpbi01
ABCD Youth Family Environment Scale-Family Conflict Subscale Modified from PhenX (FES)	abcd_fes02
ABCD Youth Neighborhood Safety/Crime Survey Modified from PhenX (NSC)	abcd_nsc01
ABCD School Risk and Protective Factors Survey	srpf01
Parent Prosocial Behavior Survey	psb01
ABCD Parent Acculturation Survey Modified from PhenX (ACC)	pacc01
ABCD Parent Family Environment Scale-Family Conflict Subscale Modified from PhenX (FES)	fes01
ABCD Parent Neighborhood Safety/Crime Survey Modified from PhenX (NSC)	abcd_pnsc01

ABCD Parent Vancouver Index of Acculturation-Short Survey (VIA)	abcd_via01
ABCD Parent Multi-Group Ethnic Identity-Revised Survey (MEIM)	abcd_meim01
ABCD Parent Mexican American Cultural Values Scale Modified (MACV)	macv01
ABCD Sum Scores Culture & Environment Youth	abcd_sscey01
ABCD Sum Scores Culture & Environment Parent	abcd_sscep01

General Information

To access additional detailed information about the instruments administered in this domain, the constructs they are intended to measure and relevant citations for each measure, please see: <https://www.ncbi.nlm.nih.gov/pubmed/29627333>

Prosocial Behavior Survey

The Prosocial Behaviors questionnaire is a subscale from the “Strengths and Difficulties Questionnaire” (Goodman et al., 1998). We use a shortened version of the “Prosocial Behavior” subscale from this instrument. The original subscale has 5 items. We have retained the three items with the highest factor loadings. The Prosocial Behavior subscale assesses tendency to engage in behaviors to help others. This measure is administered to both parent and youth. Parent reports on youth behavior; whereas, youth reports on self.

ABCD Acculturation Survey Modified from PhenX (ACC)

To provide an index of the participant’s level of utilization of the traits and values of the culture in which they are embedded, as assessed with a subset of questions from the PhenX Acculturation Protocol (NLAAS: Alegria et al., 2004; Marin, Sabogal, and Marin, 1987).

The Acculturation questionnaire is a subset of questions from the PhenX Acculturation Protocol. These items aim at assessing the level of participant acculturation – that is, the process by which an individual from one cultural group adapts and borrows traits and values from another culture – by assessing proficiency and preferences for speaking a given language in different settings. The PhenX items come from questions used by the National Latino and Asian American Study (NLAAS: Alegria et al., 2004), which were originally derived from the “Short Acculturation Scale for Hispanics” (Marin, Sabogal, and Marin, 1987). These questions are answered independently by youth and parent.

ABCD Parental Monitoring Survey

The Parental Monitoring Survey is a subset of questions that assess a parent's active efforts to keep track of a child's whereabouts, both at home, and when they are not at home (e.g., who they are with; what they are doing). This measure is derived from two other measures (i.e., Karoly, Callahan, Schmiede, & Feldstein Ewing, 2016; Statin & Kerr 2000).

ABCD Children's Report of Parental Behavioral Inventory

The Acceptance Scale is a subscale of the Child Report of Behavior Inventory (CRPBI; Schaefer, 1965; Schludermann & Schludermann, 1988; see also Barber et al., 1994; Barber & Olsen, 1997). We use a shortened version of the original scale which had 10 items. We kept the 5 items with the highest factor loadings. The acceptance subscale examines children's perceptions of caregiver warmth, acceptance, and responsiveness. The acceptance subscale can be reported on for any significant adult caregiver. First, the scale is answered for the "parent participant", the adult who completes the parent surveys (variable names are labeled with "mom" below, even if this person is not the mother). Next, the survey should be answered for a second primary caregiver (variable names are labeled with "caregiver" below), a caregiver the child spends a significant amount of time with (e.g., other parent, step-parent, grandparent, aunt, uncle). If there is not a second primary caregiver, the child can skip the second administration of the questions.

ABCD Family Environment Scale-Family Conflict Subscale Modified from PhenX (FES)

The Conflict subscale from the Family Environment Scale (FES; Moos & Moos, 1994) consist of 9 items assessing the amount of openly expressed conflict among family members. These questions are answered independently by youth and parent.

ABCD Neighborhood Safety/Crime Survey Modified from PhenX (NSC)

The Neighborhood Safety/Crime measures consist of one item from the "Neighborhood Safety Protocol" of the PhenX Toolkit. The original PhenX measure consists of three items assessing feelings about safety and presence of crime in the respondent's neighborhood. Parents report on all three items. For the youth report, we retained the item thought to be most appropriate for our participants' age range. The PhenX items were derived from "Safety from Crime" items from scales assessing neighborhood characteristics (Echeverria, Diez-Roux, & Link, 2004; Mujahid et al., 2007).

ABCD School Risk and Protective Factors Survey

The School Risk and Protective Factors (SRPF) Survey is from the PhenX School Risk and Protective Factors protocol. These items were derived from the “The Communities That Care (CTC) Youth Survey” (Arthur et al., 2007). Two items were cut due to redundancy across the battery (grade in school and skipping classes), and items were re-worded for age appropriateness. The SRPF examines youth’s perceptions of the school climate and school engagement, and asks youth to report on school grades. Responses are used to derive three subscale scores: School Environment, School Involvement, and School Disengagement.

ABCD Vancouver Index of Acculturation-Short Survey (VIA)

The Vancouver Index of Acculturation (VIA) is a 20-item bi-dimensional measure developed to independently assess adherence to one’s Heritage and Mainstream culture on separate subscales (Ryder, Alden, & Paulhus, 2000). We used the 16-item adaptation of the VIA, which consists of 8 paired items asking the same question for each culture. Heritage culture is solicited from a 96-item drop-down menu that reflects a broad range of ethnic/cultural backgrounds. The drop-down menu was developed based on open-ended responses from the first n=~1000 participants. These open-ended responses were aggregated into a list of ethnic, cultural and religious backgrounds that was subsequently used for the remainder of the ABCD Study. Respondents are allowed to choose “other” and fill in a heritage not listed.

ABCD Parent Multi-Group Ethnic Identity-Revised Survey (MEIM)

The Multi-Ethnic Identity Measure - Revised (MEIM-R) is a 6-item short-form that assesses ethnic identity (Phinney and Ong, 2007). It yields two subscales: Commitment & Attachment, and Exploration.

ABCD Mexican American Cultural Values Scale Modified (MACV)

The Cultural Values Scale is a subset of items derived from the Mexican American Cultural Values Scale (MACVS; Knight et al, 2010). The original measure consists of 50 items across 9 subscales reflecting values associated with Mexican/Mexican American and contemporary mainstream American beliefs, behaviors, and traditions. We have retained 5 of the original subscales (28 items) assessing Familism (Familism referent, Familism support, Familism obligation), Religion, and Independence/self-reliance that are applicable across numerous cultures, races, and ethnicities and are of relevance to substance use trajectories. These questions are answered by the parent.

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