Psychometric Evidence on a Measure of Behavioral Regulation among Conflict-Affected Nigerian Refugee and Nigerien Local Children in Southern Niger: Self-Regulation Assessment-Assessor Report (SRA-AR)[1]

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[1] This paper is available at https://inee.org/measurement-library/self-regulation-assessment-assessor-report-sra-ar-niger.

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Abstract

This study provides evidence on the psychometric properties of the Self-Regulation Assessment-Assessor Report (SRA-AR), a measurement tool used to capture assessors' perceptions of Nigerian refugee and Nigerien local children's behavioral regulation skills in Niger. The SRA-AR was adapted based on the Assessor Report of the Preschool Self-Regulation Assessment (PSRA-AR; Smith-Donald et al., 2007). This study used data collected from a sample of 1,795 Nigerian children (aged 5-16) attending public schools in second to fourth grades who participated in a large cluster-randomized trial of the International Rescue Committee's (IRC) remedial and social and emotional learning (SEL) programming in Diffa, Niger. Psychometric analyses conducted, including factor analysis, correlational analysis and measurement invariance tests, indicated that the measure captures one uniform dimension of behavioral regulation. We provide evidence that the SRA-AR measures behavioral regulation with good reliability. We also provide evidence that the measure functioned and was understood in the same way by children: with and without access to SEL programming; at the beginning, middle, and the end of the school year; across gender; and across ages. The correlations of the SRA-AR scores across the three time points were positive and significant but the magnitude was small, suggesting that behavioral regulation observed among the children in Niger for this study tend to be more strongly influenced by contextual factors and are likely to be time-varying.

Introduction

Behavioral regulation—the degree to which students can modulate their behavior and/or emotional state towards a specific goal within day-to-day environments—is a foundational process that allows children to successfully adjust to and learn in schools (Duncan et al., 2017; Ursache et al., 2012). This "modulating system" (Smith-Donald et al., 2007) includes broader behavior management strategies such as impulse control, delay of gratification, or acts of compliance rather than defiance. Given the conflict and violence-affected settings of Diffa in which Nigerian refugee and Nigerien local children reside and learn, they may be particularly subject to difficulties with behavioral dysregulation and its consequences. Meanwhile, strong self-regulatory skills can protect these children against the negative impacts of adversity. For instance, studies conducted in the U.S. have found substantial evidence that low-income children with better self-regulatory skills are more resilient to developmental and psychological adversities (Blair, 2010). Studies have also found that behavioral regulation is associated with children's later academic achievement, interpersonal skills, and mental and physical health (Pandey et al., 2018; Robson et al., 2020). If we could determine that behavioral regulation plays a central role in refugee children's academic success, it would also serve as an important target for interventions that support resilient responses to adverse experiences in school.

While there is little research on how behavioral regulation operates for children in conflict-affected Niger, experiences of war, violence, conflict, and poverty likely pose significant challenges to children's ability to adjust, regulate, and learn in a new environment (Khamis, 2019). Furthermore, studies have found that exposure to interpersonal and community violence—in part due to heightened attention to threat (Dodge et al., 1995) and parental stress associated with the perception of an unsafe environment (Linares et al., 2001)—are related to behavioral dysregulation. Therefore, it is crucial for researchers to provide reliable and valid measures of children's behavioral regulation in a humanitarian context to meaningfully understand and support the development of behavioral regulation skills for conflict-affected children.

Measure Description

Children's behavioral regulation was rated by assessors using the Self-Regulation Assessment – Assessor Report (SRA-AR), which is a short 13-item version of the Preschool Self-Regulation Assessment-Assessor Report (PSRA-AR; Smith-Donald et al., 2007) adapted for a study in Zambia (McCoy et al., 2017). The Preschool Self-Regulation Assessment (PSRA) was originally designed in two parts: (a) a performance-based assessment of self-regulation skills of preschool children; and (b) assessor's ratings of each child on the behavior displayed during the assessment (e.g., "Pays attention to instructions and demonstration," "Remains in seat appropriately during test"). This study included only the assessor ratings part of the PSRA, and assessors rated the children's behavior during the administration of the assessment of academic and social-emotional skills of each child using a paper/pencil method of administration. Each item was scored on a four-point scale, with higher scores indicating better behavioral regulation. Previous testing of this measure in Lebanon has reported high internal consistency reliability (Wu et al., 2021) and a U.S. study utilizing this measure reports high interrater reliability, ICC > .80 (Smith-Donald et al., 2007). No other study has reported interrater reliability.

Table 1: Item description

Item	Description
SRA-AR1	Pays attention to instructions and demonstration 1. Child spends most of the time off-task, inattentive. 2. Child's attention frequently drifts and requires frequent prompts. 3. Child's attention occasionally drifts, particularly at the end of activities, but is responsive to prompts. 4. Child looks closely at pictures to distinguish between them. Child attends to and complies with the interviewer.
SRA-AR2	Careful, interested in accuracy 1. Child is frequently haphazard and unfocused when answering items. 2. Child is careless at times. 3. Child is generally careful but interest flags, particularly at the end of the testing session. 4. Child takes the time to look and appears to make thoughtful choices, particularly on hard items.

Item	Description
SRA-AR3	Sustains concentration; willing to try repetitive tasks 1. Child is not able to concentrate or persist on much of the assessment. 2. Child is frequently distracted, requires multiple prompts from the tester. 3. Child is occasionally distracted but generally persistent, but does not require prompts from the tester. 4. Child able to concentrate and persist with tasks, even toward the end of tasks and with distractions.
SRA-AR4	Is careless or destructive with test materials 1. Child gets too "rowdy" with materials and breaks or damages test materials. 2. Child is repeatedly careless but does not damage materials, paper. Needs repeated reminders. 3. Child is careless or slightly destructive one time. Can include kicking, dropping objects on the floor "by mistake." 4. Child is not careless and is not destructive.
SRA-AR5	Can wait during and between tasks 1. Child is impulsive throughout the assessment, needs lots of boundary-setting; transitions between tasks made difficult because of the child's activity level/impulsivity. 2. Child is often impulsive across multiple tasks or highly impulsive during one activity; child needs multiple prompts to wait while the tester gathers materials for a new task. 3. A few instances of impulsive behavior; child sometimes shows anticipation for interesting task materials but rarely needs a reminder. 4. Child waits before pointing to materials, reaching for blocks, etc., and waits patiently for new tasks to begin; no ambiguous or impulsive behaviors.
SRA-AR6	Remains in seat appropriately during test 1. Child is out of seat frequently or difficult to manage (e.g., runs around the room, climbs on furniture). 2. Child needs multiple reminders to return to his/her seat, sits up but listens and responds to prompts. 3. Child gets out of seat 1x (including sliding off the chair), returns to seat when prompted. 4. Child does not climb, open closets, grab objects. (Occasional adjustment in body position is appropriate)
SRA-AR7	Alert and interactive; is not withdrawn 1. Child seems "shut down" and difficult to engage in starting tasks. 2. Child repeatedly withdraws from the testing situation and needs encouragement to finish tasks. 3. Child generally interacts, but at times turns away, lowers head, takes a "break" from interaction. 1. Child participates in interaction; body posture suggests relaxed engagement with the interviewer

Item	Description
SRA-AR8	Cooperates; complies with tester's requests 1. Child does not cooperate even when tasks are easy. 2. Child shows significant resistance, noncompliance and needs multiple prompts to get through the assessment. 3. Child shows minor indications of resistance, boredom (e.g., frowns, sighs) but completes tasks. 4. Child attempts to do tasks as instructed even if the task is difficult.
SRA-AR9	Shows pleasure in accomplishment and active task mastery 1. Child makes negative comments or negative expressions when completing tasks. 2. Child is neutral when getting tasks right. 3. Child appears slightly pleased in completing tasks. 4. Child appears happy after completing tasks. May show excited body movements (e.g., "alright!" clapping)
SRA-AR10	Confident 1. Child shows hesitation or reluctance on easy items, gives up easily (e.g., "I can't do this."). 2. Less confident child shows repeated hesitation or asks questions that indicate a lack of confidence. 3. Child is diligent, straightforward in answering the tester's questions. 4. Child shows confidence by comments such as "I know this one." Child is eager, energetic.
SRA-AR11	Defiant 1. Child actively, directly refuses to comply with the tester's request or direction. 2. Child tests limits but responds to the tester's prompt or restatement of request. 3. Child says "no," but then follows the tester's initial request. Tester does not have to "say it again." 4. Child never exhibits active defiance.
SRA-AR12	Passively noncompliant 1. Child appears not to hear instructions, even when the tester repeats requests. 2. Child ignores the tester but responds to prompts when the tester repeats requests/directives. 3. Child seems slow to comply. The tester does not restate requests, but wonders if the child heard. 4. Child hears requests and responds appropriately.

Item	Description
SRA-AR13	Modulates and regulates arousal level in self 1. Child becomes over-aroused and has difficulty regaining self-control. 2. Child becomes over-aroused (sad, frustrated, silly) and needs prompts from the tester but is able to calm down. 3. Child becomes briefly over-aroused (sad, frustrated, silly) but quickly calms down without help from the adult tester. 4. Child is highly regulated. Never becomes sad, frustrated, or silly.

Data and Sample

The current data were collected on students from 30 public schools from a list of 75 potential sites located in the towns of Diffa and Maine-Soroa in Niger. The following criteria were utilized for school selection: (1) security clearance (2) distance from the NGO Office <40km (3) sufficient numbers of teachers (more than eight teachers per school) and students (more than 120 students enrolled per school) (4) serves a minimum of three primary grades (some schools did not serve the full range of elementary grade levels).

Of the 30 schools selected, 20 schools were traditional French-only schools and the other 10 schools were French-Arabic schools; French-Arabic schools often had a religious focus, with instructional emphasis on Arabic in order to read the Koran, in addition to French. Eighteen schools were located in Diffa, and 12 schools were located in Maine-Soroa. The student composition of the schools varied widely, reflecting the ongoing refugee crisis and ethnic/linguistic diversity of the Diffa region. Specifically, schools ranged from 10-42% of refugee or internally displaced students, 0-85% Kanuri speakers, 0-48% Hausa speakers, and 2-95% Fulfulde speakers, with smaller percentages of the student body speaking other home languages. The majority of second to fourth grade students in our sample struggled academically, with 75-100% of students unable to read Grade one level texts in French and 61-98% of students unable to solve simple subtraction problems in the screening tests.

The student participants include 1,795 second to fourth grade children who participated in a large cluster-randomized trial of the IRC's remedial and SEL programming. All students were enrolled in the participating schools and offered the IRC's Healing Classrooms Remedial Tutoring programming (53% girls, 19% refugees). The participants were selected through a screening test and lottery (see Table 2 for descriptive statistics on the student participants). First, all second to fourth graders (N=5,684) were assessed on their French literacy and mathematics skills using an adapted version of the assessment used for the Annual Status of Education Report (ASER: Banerji, Bhattacharjea, & Wadhwa, 2013). Of them, 4,994 children (96% of second graders, 85% of third graders, and 79% of fourth graders) were deemed eligible for tutoring based on their low performance in both French literacy (unable to read Grade One level texts in French) and mathematics (unable to solve simple subtraction problems) tests. Secondly, due to the large number of students who met the eligibility criteria, a total of 1,800 students (90 classrooms across 30 schools, 20 students per classroom) were randomly selected to enroll in the tutoring program. In consultation with the local staff, we selected an equal number of eligible students from each grade level, when possible. This was for ease of classroom grouping and to give (somewhat) of a higher chance for children in older grades to receive tutoring (i.e., those in more urgent need for tutoring support, given grade and proficiency levels) while maintaining a perception of fairness and

avoiding stigmatization. Students who met tutoring eligibility requirements but were not selected via lottery (n = 3,194) were excluded from the study. Of the randomly selected 1,800 children, 5 children were found to be either duplicate entries (i.e., listed twice on the student list) or unidentifiable due to administrative errors, and therefore excluded from the sample.

Table 2: Sample descriptives (n = 1795)

	Mean (S.D.) / %	Min	Max
Age	9.19 (1.44)	5	16
Female	52.76%	0	1
Refugee	19.11%	0	1
Kanuri speakers	41.62%	0	1
Hausa speakers	81.45%	0	1
Fulfulde speakers	50.42%	0	1
Other language speakers	16.99%	0	1

Method

For the purpose of program evaluation, child assessments were conducted via verbal interviews to increase engagement and address literacy challenges. Assessments were recorded by assessors on tablets. Local IRC staff translated the SRA-AR to French and data were collected at 3 time points (November 2016, March 2017 and May 2017).

Enumerators were recruited from an existing IRC database of data surveyors used in past projects, as well as from Zinder University. All applicants were required to take French and Hausa literacy screening tests. The highest-scoring applicants were offered a position in the training. Due to security restrictions on expats in the Diffa region, enumerators were trained in Niamey by NYU-TIES researchers and IRC local staff. Measures were introduced and practiced first in French, which is the official language of Niger, and then a common language among enumerators. Next, standardized translations into local Diffa languages of Hausa and Kanuri were agreed upon with enumerators and IRC staff with the whole-group. Official Hausa and Kanuri translators were hired to attend midline training to further facilitate this process. Training activities included an introduction to the measure and a description of it by NYU-TIES and IRC staff using PowerPoint slides and a measure manual. Then the enumerators watched video clips of child assessments, were asked to score the SRA-AR, and discussed their scoring until they reached a consensus. For the first training session, when video clips were not available, this activity was replaced by volunteer enumerators' role play of a demonstration of child assessment, followed by SRA-AR scoring and a discussion. After all training of the research measures were completed, enumerators pilot-practiced administering the SRA-AR in the field with local children in Diffa.

All descriptive, bivariate correlation and reliability analyses were conducted using Stata SE version 15.1, and all measurement modeling was conducted using Mplus 8.3 (Muthén & Muthén, 2018). In order to account for the structural characteristics of the data, two important specifications were made for all measurement models.

First, given the 4-point scale item response options in the measure, items were specified as categorical. Because modeling categorical responses as normally and continuously distributed can lead to an inflation of model fit statistics and biased estimation of factor loadings and standard errors, we used a weighted least squares mean and variance-adjusted (WLSMV) estimator with a probit-link function (Beauducel & Herzberg, 2006; Lei, 2007).

Second, we used robust standard errors to adjust for clustering because 1) students were nested within classrooms/teachers, and classrooms/teachers

within sites; and 2) it was an effective and efficient way to model complex data when sample size at the cluster level was not small (Huang, 2016). In all models, model fits were evaluated using Hu & Bentler's (1999) criteria: RMSEA (Root Mean Square Error Of Approximation) < 0.06, CFI (Comparative Fit Index) < 0.95, TLI (Tucker–Lewis Index) < 0.95, SRMR (Standardized Root Mean Squared Residual) < 0.08. Missing data were pairwise deleted (i.e., all available information was used from all cases) to preserve the full sample (Asparouhov & Muthén, 2010). As a result, we were able to include and obtain factor scores for all children who were assessed for any items of the SRA-AR in the analysis, regardless of missing information on specific items. .

Results

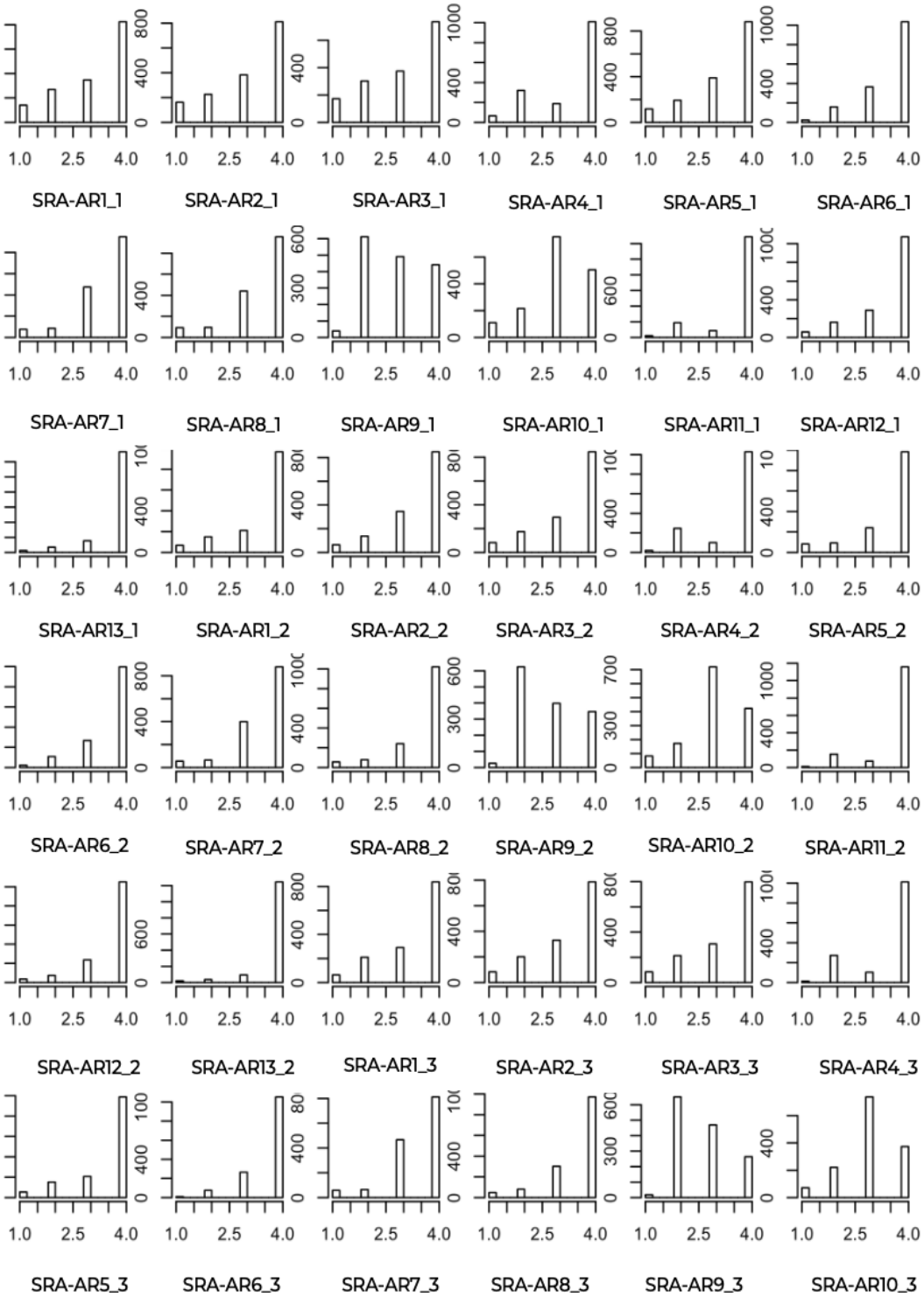
Descriptive Statistics

Most of the SRA-AR items are negatively skewed, with higher frequencies for larger item scores. This indicates that assessors rated the children's behavior as generally well-regulated. The exceptions are SRA-AR9 and SRA-AR10 at all three waves. SRA-AR9 has more values in 2 (*Child is neutral when getting tasks right*) and 3 (*Child appears slightly pleased in completing tasks*), and fewer children showed very positive or very negative responses. SRA-AR10 is also negatively skewed but with more values in 3 (*Child is diligent, straightforward in answering the tester's questions*) than 4 (*Child shows confidence by comments such as "I know this one." Child is eager, energetic*).

Table 3: Descriptive statistics

variable	n_missing	complete_rate	mean	sd	*p0*	*p25*	*p50*	*p75*	*p100*
SRA-AR1_1	213	0.881	3.173	1.009	1	2	4	4	4
SRA-AR2_1	213	0.881	3.165	1.019	1	3	4	4	4
SRA-AR3_1	213	0.881	3.056	1.043	1	2	3	4	4
SRA-AR4_1	213	0.881	3.353	0.938	1	3	4	4	4
SRA-AR5_1	213	0.881	3.286	0.947	1	3	4	4	4
SRA-AR6_1	213	0.881	3.521	0.739	1	3	4	4	4
SRA-AR7_1	213	0.881	3.449	0.802	1	3	4	4	4
SRA-AR8_1	213	0.881	3.427	0.845	1	3	4	4	4
SRA-AR9_1	213	0.881	2.843	0.860	1	2	3	4	4
SRA-AR10_1	213	0.881	3.044	0.856	1	3	3	4	4
SRA-AR11_1	213	0.881	3.666	0.737	1	4	4	4	4
SRA-AR12_1	213	0.881	3.502	0.822	1	3	4	4	4
SRA-AR13_1	213	0.881	3.765	0.606	1	4	4	4	4
SRA-AR1_2	400	0.777	3.487	0.871	1	3	4	4	4
SRA-AR2_2	400	0.777	3.416	0.847	1	3	4	4	4
SRA-AR3_2	400	0.777	3.363	0.913	1	3	4	4	4
SRA-AR4_2	400	0.777	3.530	0.832	1	3	4	4	4
SRA-AR5_2	400	0.777	3.520	0.857	1	3	4	4	4

variable	n_missing	complete_rate	mean	sd	*p0*	*p25*	*p50*	*p75*	*p100*
SRA-AR6_2	400	0.777	3.606	0.699	1	3	4	4	4
SRA-AR7_2	400	0.777	3.504	0.761	1	3	4	4	4
SRA-AR8_2	400	0.777	3.595	0.771	1	3	4	4	4
SRA-AR9_2	400	0.777	2.764	0.846	1	2	3	3	4
SRA-AR10_2	400	0.777	3.062	0.811	1	3	3	4	4
SRA-AR11_2	400	0.777	3.705	0.689	1	4	4	4	4
SRA-AR12_2	400	0.777	3.649	0.698	1	4	4	4	4
SRA-AR13_2	400	0.777	3.835	0.530	1	4	4	4	4
SRA-AR1_3	394	0.781	3.358	0.894	1	3	4	4	4
SRA-AR2_3	394	0.781	3.299	0.923	1	3	4	4	4
SRA-AR3_3	394	0.781	3.298	0.935	1	3	4	4	4
SRA-AR4_3	394	0.781	3.509	0.834	1	3	4	4	4
SRA-AR5_3	394	0.781	3.520	0.836	1	3	4	4	4
SRA-AR6_3	394	0.781	3.685	0.602	1	4	4	4	4
SRA-AR7_3	394	0.781	3.451	0.767	1	3	4	4	4
SRA-AR8_3	394	0.781	3.567	0.752	1	3	4	4	4
SRA-AR9_3	394	0.781	2.699	0.783	1	2	3	3	4
SRA-AR10_3	394	0.781	3.007	0.792	1	3	3	4	4
SRA-AR11_3	394	0.781	3.685	0.730	1	4	4	4	4
SRA-AR12_3	394	0.781	3.594	0.748	1	3	4	4	4
SRA-AR13_3	394	0.781	3.775	0.584	1	4	4	4	4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SRA-AR8_1
SRA-AR9_1
SRA-AR10_1
SRA-AR11_1
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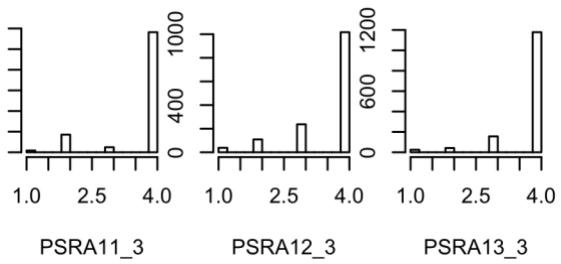

Figure 1: Item distribution

Factor Analysis

EFA and CFA

Before beginning analyses, we randomly divided our sample in half in order to create exploratory and confirmatory samples at each time point. Exploratory samples were used to examine multiple versions of data-driven models, of which a final proposed solution was selected based on conceptual and empirical considerations. Confirmatory samples were used to test the proposed factor structure, thereby building confidence in the stability of the empirically derived exploratory factor analytic estimates (Osborne & Fitzpatrick, 2012). CFA models with a good model fit and the same factor structure across baseline, midline, and endline were used as final models for subsequent analysis.

Then, we performed EFA models to empirically explore the factor structure. The scree plots of eigenvalues suggested a 2-factor structure with elbows at the second factor and eigenvalue < 1 at factor 3 (see Figure 2). Based on the one-factor structure in the original SRA-AR measure, we fit a one-factor structure, and results showed that this theory-based structure of the measure also fitted well across all waves of the data. Indeed, all 13 items describe similar behaviors or general states that exemplify behavioral regulation, and they appear to measure a congruent construct of behavioral regulation.

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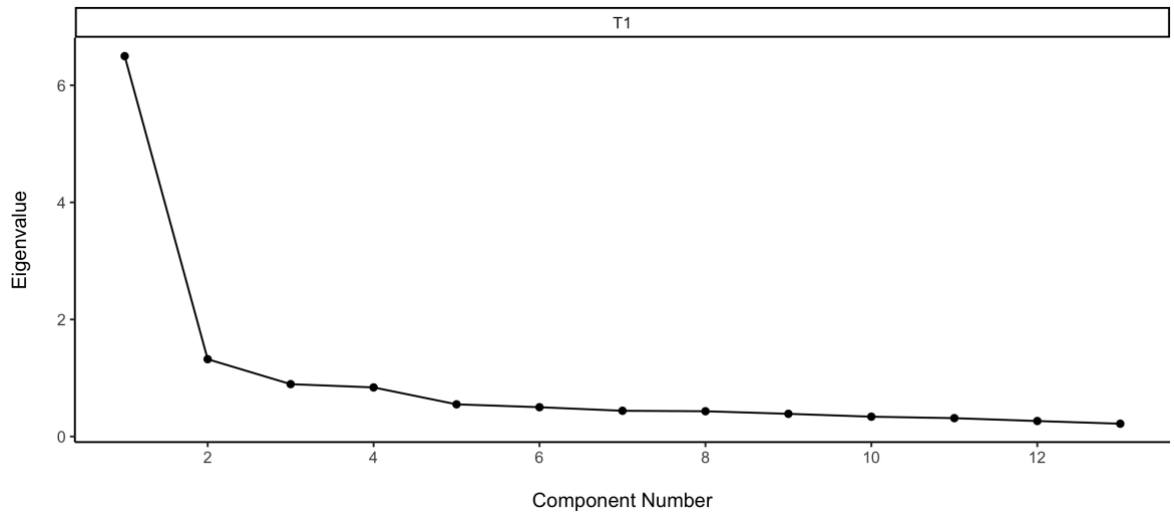

Figure 2: EFA model screeplots at all waves

Using the solution from the EFA, we ran a CFA with a one-factor model. While CFA with all items had acceptable fit, item SRA-AR9 “Shows pleasure in accomplishment and active task mastery” had a low factor loading, <.30. SRA-AR9 was the only item that included expression of (positive) emotion, which may be seen as inappropriate in some cultures and for some genders within the population, and/or may be likely to have greater cultural variation across ethnic groups within our sample in Niger. Therefore, we excluded these items for further analysis.

The final CFA models at all waves showed good fit (see Table 3 and Figure 2). Since there was only one factor, there was no double loading. We also did not add residual covariance across items.

Table 4: CFA model fits at all waves

k	χ^2	df	*p*	CFI	TLI	RMSEA	SRMR
48	255.144	54	0	0.967	0.960	0.069	0.054
48	154.861	54	0	0.985	0.982	0.052	0.037
48	170.357	54	0	0.992	0.990	0.056	0.030

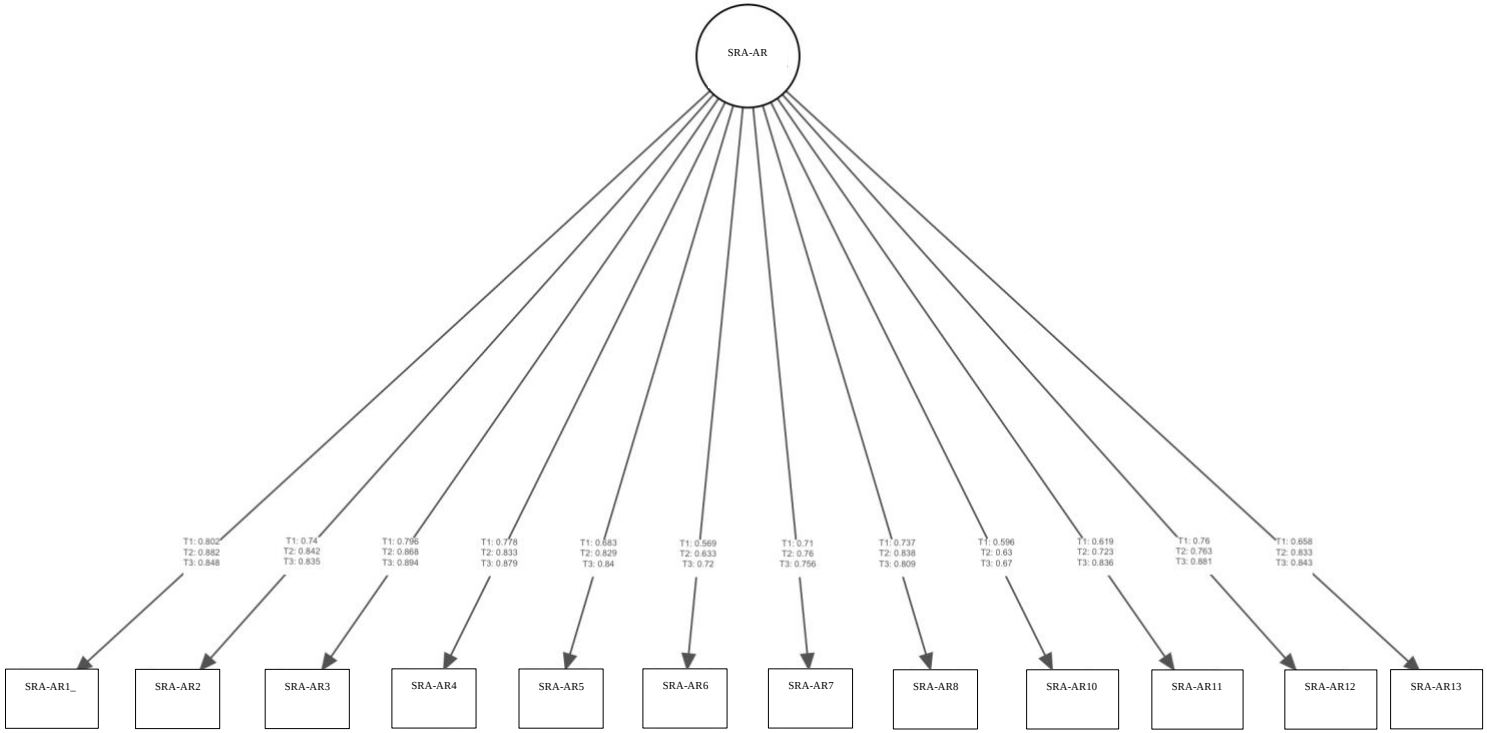

Figure 3: CFA model final factor structure

Table 5: CFA model parameters at all waves

paramHeader	param	est_T1	se_T1	est_se_T1	pval_T1	est_T2	se_T2	est_se_T2	pval_T2	est_T3	se_T3	est_se_T3	pval_T3
SRA-AR.BY	SRA-AR1	0.802	0.018	45.175	0	0.882	0.017	52.374	0	0.848	0.015	57.932	0
SRA-AR.BY	SRA-AR2	0.740	0.025	30.147	0	0.842	0.022	39.113	0	0.835	0.017	49.135	0
SRA-AR.BY	SRA-AR3	0.796	0.019	41.578	0	0.868	0.015	57.146	0	0.894	0.013	67.377	0
SRA-AR.BY	SRA-AR4	0.778	0.023	34.075	0	0.833	0.023	36.083	0	0.879	0.015	59.843	0
SRA-AR.BY	SRA-AR5	0.683	0.025	26.847	0	0.829	0.024	34.878	0	0.840	0.018	45.623	0
SRA-AR.BY	SRA-AR6	0.569	0.036	15.903	0	0.633	0.041	15.312	0	0.720	0.025	28.609	0
SRA-AR.BY	SRA-AR7	0.710	0.021	33.333	0	0.760	0.024	31.409	0	0.756	0.021	36.108	0
SRA-AR.BY	SRA-AR8	0.737	0.025	29.194	0	0.838	0.021	40.366	0	0.809	0.022	36.246	0
SRA-AR.BY	SRA-AR10	0.596	0.029	20.880	0	0.630	0.031	20.338	0	0.670	0.023	29.664	0
SRA-AR.BY	SRA-AR11	0.619	0.046	13.546	0	0.723	0.039	18.710	0	0.836	0.027	30.785	0
SRA-AR.BY	SRA-AR12	0.760	0.023	33.568	0	0.763	0.028	27.648	0	0.881	0.015	60.674	0
SRA-AR.BY	SRA-AR13	0.658	0.040	16.563	0	0.833	0.031	27.284	0	0.843	0.024	35.180	0
Variances	SRA-AR	1.000	0.000	999.000	999	1.000	0.000	999.000	999	1.000	0.000	999.000	999

Table 6: CFA model R-squared at all waves

param	est_T1	se_T1	est_se_T1	pval_T1	resid_var_T1	est_T2	se_T2	est_se_T2	pval_T2	resid_var_T2	est_T3	se_T3	est_se_T3	pval_T3	resid_var_T3
SRA-AR1	0.643	0.028	22.588	0	0.357	0.778	0.030	26.187	0	0.222	0.719	0.025	28.966	0	0.281
SRA-AR2	0.547	0.036	15.073	0	0.453	0.709	0.036	19.557	0	0.291	0.698	0.028	24.568	0	0.302
SRA-AR3	0.633	0.030	20.789	0	0.367	0.753	0.026	28.573	0	0.247	0.800	0.024	33.688	0	0.200
SRA-AR4	0.606	0.036	17.037	0	0.394	0.694	0.038	18.041	0	0.306	0.772	0.026	29.922	0	0.228
SRA-AR5	0.466	0.035	13.423	0	0.534	0.687	0.039	17.439	0	0.313	0.706	0.031	22.812	0	0.294
SRA-AR6	0.323	0.041	7.952	0	0.677	0.400	0.052	7.656	0	0.600	0.519	0.036	14.304	0	0.481
SRA-AR7	0.505	0.030	16.666	0	0.495	0.577	0.037	15.704	0	0.423	0.572	0.032	18.054	0	0.428
SRA-AR8	0.543	0.037	14.597	0	0.457	0.702	0.035	20.183	0	0.298	0.654	0.036	18.123	0	0.346
SRA-AR10	0.355	0.034	10.440	0	0.645	0.397	0.039	10.169	0	0.603	0.449	0.030	14.832	0	0.551
SRA-AR11	0.384	0.057	6.773	0	0.616	0.522	0.056	9.355	0	0.478	0.700	0.045	15.392	0	0.300
SRA-AR12	0.578	0.034	16.784	0	0.422	0.583	0.042	13.824	0	0.417	0.776	0.026	30.337	0	0.224
SRA-AR13	0.433	0.052	8.282	0	0.567	0.694	0.051	13.642	0	0.306	0.711	0.040	17.590	0	0.289

Internal Reliability and Correlations

To assess internal consistency, Cronbach's alpha (α) of each latent factor within each data collection time point was calculated. We also assessed McDonald's omega (ω; Hayes & Coutts, 2020; McDonald, 1999) of each latent factor as a more general reliability estimate that does not assume equal factor loadings (i.e., tau-equivalence). The recommendation from the contemporary literature of assessing reliability for unidimensional measures assuming unequal factor loadings, like SRA-AR, is to avoid α and use ω (Revelle & Zinbarg, 2009; Zinbarg et al., 2005). Therefore, we report both reliability statistics but focus on the interpretation of ω. While there are no definitive and universal guidelines for interpreting α and ω, α > 0.7 is generally accepted as acceptable/high reliability, and Nájera Catalán (2019) suggests a higher standard for ω > 0.8 as excellent evidence of internal consistency.

Table 7 presents both the unweighted (Cronbach's α) and the weighted (McDonald's ω) internal consistency estimates of the SRA-AR scale. Overall, the SRA-AR has high internal consistency at all waves for both Cronbach's α and McDonald's ω statistics.

Table 7: Item total statistics

subscale	raw_alpha	std_alpha	G6(smc)	average_r	S/N	alpha_se	mean	sd	median_r	omega_lg	omega_by_wave
wave: T1											
SRA-AR	0.871	0.869	0.874	0.337	6.610	0.004	3.327	0.546	0.354	0.925	0.923
wave: T2											
SRA-AR	0.898	0.898	0.904	0.404	8.825	0.003	3.464	0.526	0.425	0.948	0.952
wave: T3											
SRA-AR	0.914	0.915	0.920	0.452	10.711	0.003	3.419	0.555	0.472	0.958	0.961

Note. See below for the explanation of each statistic presented in the table above.
raw_alpha : Cronbach's alpha (Cronbach, 1951) based upon the covariances
std_alpha : The standardized alpha based upon the correlations
G6(smc) : Guttman's Lambda 6 reliability
average_r : The average interitem correlation
S/N : Signal/Noise ratio
alpha_se : Standard error of alpha
var_r : The variance of the interitem correlations
median_r : The median of the interitem correlations
mean : The mean of the scale formed by averaging the items
sd : The standard deviation of the total score
omega_lg : McDonald's Omega (McDonald, 1999) with factor loadings and residuals extracted from the scalar longitudinal invariance model
omega_by_wave: McDonald's Omega (McDonald, 1999) with factor loadings and residuals extracted from each wave of CFA model

Measurement Invariance

We conducted (1) measurement invariance tests across treatment, gender, and refugee groups in each wave; and (2) longitudinal invariance testing across baseline, midline, and endline. Measurement invariance refers to the extent to which a set of items measures an underlying construct of interest in the same way across groups or times (Reise et al., 1993). If a measure operates or is understood differently in different groups, then one should not compare group differences on observed scores (Glanville & Wildhagen, 2007). For example, without evidence of measurement invariance, one should not compare boys' and girls' self-regulation; compare this construct with and without access to SEL interventions; or track changes in students' self-regulation over time.

For each set of analyses, we tested for levels of measurement invariance by fitting a series of nested models in which we progressively constrained the model parameters to equality across groups/time points. Specifically, we fit models within each time point and then across time points to test the equality of 1) the factor structure in treatment and control groups and time points (configural invariance); 2) the factor loadings across groups/time points (metric invariance); and 3) the item intercepts or thresholds across groups/time points (scalar invariance) (Gregorich, 2006; Millsap, 2011). We assessed the relative fit of each of these models against the configural model using criteria suggested by (Chen, 2007; metric invariance: ΔCFI <0.01; ΔRMSEA < 0.015 ΔSRMR < 0.030; scalar invariance: ΔCFI < 0.01, ΔRMSEA < 0.015, ΔSRMR < 0.010). If the imposition of equality constraints did not provide a significant decrement of model fit, we concluded that the hypothesis of invariance was supported.

Treatment invariance. We found evidence of scalar invariance at all waves between treatment and control groups (see Table 8 for model fits). This means that the latent factors across two different treatment groups measure equivalent constructs, and therefore we can directly compare treatment and control group students on the same SRA-AR scale, without bias.

Gender measurement invariance. We found that the SRA-AR was scalar invariant at all waves across gender groups (see Tables 9 for model fits), suggesting that we can compare mean differences by gender on the SRA-AR constructs without bias due to child gender.

Refugee measurement invariance. We found that the SRA-AR was scalar invariant at baseline and midline across refugee status (see Tables 10 for model fits), suggesting that we can compare mean differences by refugee status on the SRA-AR constructs without bias due to their status. (endline model is not available due to modeling issues).

Invariance across time. As shown in Table 11, a series of longitudinal invariance models were tested to confirm that changes from baseline to midline, and midline to endline, of the same construct can be estimated. Model fit

differences between configural, metric, and scalar models suggested the factor structure, loadings, and thresholds of the items were invariant across baseline, midline, and endline. In other words, we found no significant difference in the item and measure functioning across waves, and we can compare baseline, midline, and endline scores on these constructs as assessed using the SRA-AR.

Table 8: Treatment group invariance model fit

k	χ^2	df	*p*	χ^2_B	df	*p*	$\Delta\chi^2$	df	*p*	CFI	TLI	RMSEA	SRMR
96	511.536	108	0	8,976.406	132	0				0.954	0.944	0.069	0.058
85	353.480	119	0	8,976.406	132	0	11.179	11	0.4284	0.973	0.971	0.050	0.060
50	378.373	154	0	8,976.406	132	0	44.836	35	0.1233	0.975	0.978	0.043	0.060
96	322.530	108	0	12,565.945	132	0				0.983	0.979	0.053	0.042
85	319.031	119	0	12,565.945	132	0	43.644	11	0.0000	0.984	0.982	0.049	0.053
50	357.389	154	0	12,565.945	132	0	63.281	35	0.0024	0.984	0.986	0.044	0.055
96	366.047	108	0	24,000.582	132	0				0.989	0.987	0.058	0.034
85	283.567	119	0	24,000.582	132	0	17.176	11	0.1028	0.993	0.992	0.044	0.036
50	316.310	154	0	24,000.582	132	0	48.439	35	0.0649	0.993	0.994	0.039	0.037

Table 9: Gender invariance model fit

k	χ^2	df	*p*	χ^2_B	df	*p*	$\Delta\chi^2$	df	*p*	CFI	TLI	RMSEA	SRMR
96	552.117	108	0	10,335.20	132	0				0.956	0.947	0.072	0.055
85	376.042	119	0	10,335.20	132	0	8.261	11	0.6898	0.975	0.972	0.052	0.056
50	405.535	154	0	10,335.20	132	0	47.553	35	0.0765	0.975	0.979	0.045	0.057
96	334.335	108	0	14,418.08	132	0				0.984	0.981	0.055	0.041
85	255.694	119	0	14,418.08	132	0	10.299	11	0.5037	0.990	0.989	0.041	0.042
50	286.156	154	0	14,418.08	132	0	38.844	35	0.3006	0.991	0.992	0.035	0.043
96	391.325	108	0	25,192.19	132	0				0.989	0.986	0.061	0.034
85	280.873	119	0	25,192.19	132	0	10.093	11	0.5220	0.994	0.993	0.044	0.036
50	304.694	154	0	25,192.19	132	0	32.216	35	0.6032	0.994	0.995	0.037	0.036

Table 10: Refugee invariance model fit

k	χ^2	df	*p*	χ^2_B	df	*p*	$\Delta\chi^2$	df	*p*	CFI	TLI	RMSEA	SRMR
96	547.823	108	0	10,179.42	132	0				0.956	0.946	0.072	0.056
85	384.746	119	0	10,179.42	132	0	13.240	11	0.2779	0.974	0.971	0.053	0.058
50	391.297	154	0	10,179.42	132	0	22.062	35	0.9564	0.976	0.980	0.044	0.058
96	334.501	108	0	12,770.16	132	0				0.982	0.978	0.055	0.041
85	279.175	119	0	12,770.16	132	0	21.831	11	0.0257	0.987	0.986	0.044	0.046
50	303.544	154	0	12,770.16	132	0	39.861	35	0.2627	0.988	0.990	0.037	0.046

Refugee scalar invariance model is unavailable:

*** ERROR
Group 1 does not contain all values of categorical variable: PSRA4_3

Table 11: Longitudinal invariance model fit

k	χ^2	df	*p*	χ^2_B	df	*p*	$\Delta\chi^2$	df	*p*	CFI	TLI	RMSEA	SRMR
147	905.963	591	0	27,045.42	630	0				0.988	0.987	0.018	0.043
125	983.553	613	0	27,045.42	630	0	92.125	22	0.0000	0.986	0.986	0.019	0.047
55	1,142.162	683	0	27,045.42	630	0	303.032	70	0.0000	0.983	0.984	0.020	0.049

Evidence of Correlational Validity

SRA-AR latent variables (Table 12) and factor scores (Table 13) are positively correlated across time. However, the correlations were small, ranging *r*=.14-.23. This may be due to the task-, assessor- and time-specific nature of the observation (i.e., reporting on children's behavior during an assessment at each time point) that are likely to be affected by various factors, such as assessment conditions (e.g., temperature, lighting, noise level, etc.), location, observers, time of the day, children's mood, rapport with assessors, and so on. It is also possible that this reflects real fluctuation of children's behavioral regulation over the course of the school year with this population.

Table 12: Partial correlations among latent variables across time

	1	2	3
1. SRA-AR_1	--	--	--
2. SRA-AR_2	0.182***	--	--
3. SRA-AR_3	0.140***	0.190***	--

** p < 0.05. ** p < 0.01. *** p < 0.001.*

Notes: Correlation estimates are obtained from the longitudinal invariance models.

Table 13: Bivariate correlations among factor scores

	1	2	3
1. SRA-AR_1	--		
2. SRA-AR_2	0.221***	--	
3. SRA-AR_3	0.164***	0.227***	--

** p < 0.05. ** p < 0.01. *** p < 0.001.*

Notes: Factor scores are obtained from the longitudinal invariance models.

Conclusion

The SRA-AR was developed based on the original PSRA-AR measure to assess enumerators' perceptions of Nigerian refugee and Nigeran local students' behavioral regulation skills during an assessment. It was used to evaluate the impact of access to non-formal, SEL-infused remedial support programming among students in the Diffa region of Niger. Evidence indicates that the SRA-AR holds promise for use as a program evaluation measure, with evidence of validity based on its internal structure and consistency, and measurement invariance across treatment groups, gender, refugee status, and time.

First, measures used for program evaluation purposes must have strong structural evidence of validity: evidence that scores on the measure can be interpreted as capturing key dimensions of behavioral regulation. Factor analyses of the SRA-AR suggested a one-factor solution, and all items had high loadings on to this factor at all waves. This provides strong evidence for the structural evidence of validity of the measure. However, the weak correlations over time found in this study suggests a need for further investigation to determine the measure's utility in capturing change in children's behavior over time.

In terms of internal consistency, data from program evaluation measures must be highly reliable, as measurement error can attenuate the ability to detect program impact (Raudenbush & Sadoff, 2008). All of the empirically derived subscales had high internal consistency, indicating that enumerators generally gave consistent ratings on items on the SRA-AR (αs > 0.85 and ωs > 0.90).

Second, data from program evaluation measures should also provide evidence that the measure functions are well understood in the same way by children in different treatment and demographic groups, as well as over time. This criterion is known as measurement invariance. Establishing the measurement invariance of an assessment used in a rigorous program impact evaluation enables us to confidently assess whether children's skills are improving or declining over time – and whether such changes are the result of our SEL programming (Halpin et al., 2019; Halpin & Torrente, 2014). The SRA-AR has strong evidence of:

- Longitudinal invariance, suggesting that the measure can be used to directly assess growth over time on scores from the SRA-AR.
- Gender invariance, suggesting that scores from the derived SRA-AR scale can be used to capture meaningful gender differences in behavioral regulation. This piece of evidence indicates that the measure is not biased when deriving gender mean differences.

- Refugee invariance, suggesting that scores from the derived SRA-AR scale can be used to capture meaningful group differences in behavioral regulation by refugee status. This piece of evidence indicates that the measure is not biased when deriving mean differences by refugee status.
- Treatment invariance, suggesting that scores derived from the SRA-AR scale can be used to capture meaningful treatment group differences in behavioral regulation. This piece of evidence indicates that the measure is not biased when deriving mean differences by treatment group.

However, correlational patterns of the SRA-AR across time suggested that the observed behavioral regulation during assessment sessions was relatively unstable over time. Specifically, correlations across time were small between waves (*r*s < 0.25), indicating children's behavioral regulation might have fluctuated greatly during the school year. While these correlations were not very high, the finding aligns with studies conducted in the U.S., suggesting that SEL constructs tend to be more strongly influenced by contextual factors and are likely to be time-varying, compared to academic skills that tend to be highly stable over time (Soland et al., 2019). These low levels of correlations were also notable considering the reporter effect (i.e., the different reporters/assessors) and variation in other factors across time points, which likely led to lower correlations. Further research with different assessment methods examining patterns and change over time in comparison to the SRA-AR, is necessary to better understand whether the small correlations are due to the measurement function or reflective of true variation in children's behavioral regulation patterns.

Recommendations for the Use of the SRA-AR

While the evidence provided in this study largely supports the use of SRA-AR for evaluation purposes with conflict-affected children in Southern Niger, a few implications should be noted when researchers and practitioners consider the use of the SRA-AR for their own purposes. Any extensions of the use of the SRA-AR are not recommended without adaptation and a re-evaluation of the psychometric properties of the measure. We largely repeat the recommendations we made for the same measure evaluated in Lebanon (Wu et al., 2021), with some additional recommendations. With adequate empirical evidence and once the SRA-AR is deemed appropriate for the setting and purpose, we recommend a set of strategies and future directions to ensure that children's behavioral regulation is accurately interpreted:

1. Adaptation and translation of the SRA-AR can benefit from cognitive interviews to ensure cultural and linguistic fit of the wording of the items.

In addition, given that the SRA-AR items provide discrete response options to anchor response patterns, it may be informative to explicitly evaluate how differently each response option is perceived by the respondents (assessors) and how frequently they think they would observe each response option. Adaptations of the items and response options will not only ensure validity of the measure but also improve the distribution of the item responses to prevent ceiling or floor effects.

2. If adequate time and resources are available, we recommend administering the SRA-AR on multiple occasions (e.g., at a different time of the day, across multiple days) and in different school contexts that require goal-oriented behaviors (e.g., during classroom instruction; individual work; assessment). Such variation would be desirable to capture a more global understanding of children's underlying behavioral regulation skills and to minimize measurement errors due to contextual factors such as specific tasks, mood, or time of the day.
3. In order to promote the consistency of behavioral regulation measured across time and across children, it is important to standardize the environmental factors that may come into effect during the data collection session. For example, if data are collected in a distracting environment for one child and not for another, behavioral regulation is likely to vary based on what other distractions are present in the environment of the performance-based period.
4. Explicit assessor training to fill out the survey can ensure the validity and reliability of assessor reports. Assessors typically do not have the experience or training to carefully observe and report discrete behaviors of children, and sometimes may have varying understandings of certain concepts describing children's behavioral regulation. Therefore, establishing common understandings across the assessors of the meaning of, not just the items, but also the response options presented in the SRA-AR for the concepts each of the items are intended to capture, will be necessary to ensure its reliability and validity. We recommend obtaining recordings of student assessments during a pilot of student assessment tools (similar conditions and tasks as the actual SRA-AR administration settings); and using them for enumerator training and inter-rater reliability tests.
5. Lastly, we highly recommend cognitive interviews and a careful review and pilot of the items in multiple languages spoken among the target population, to increase cultural and contextual fit and ensure validity. For example, this study found one item, SRA-AR9 "Shows pleasure in accomplishment and active task mastery" included the expression of (positive) emotion, which may be seen as inappropriate in some cultures and for some genders within the population. Identifying and revising items that are inappropriate for the culture will likely increase the reliability and validity of the measure in a context where multiple languages are spoken and the target population is culturally and ethnically diverse.

Appendix

Table 14: CFA model thresholds at all waves

paramHeader	param	est_T1	se_T1	est_se_T1	pval_T1	est_T2	se_T2	est_se_T2	pval_T2	est_T3	se_T3	est_se_T3	pval_T3
Thresholds	SRA-AR1	-1.317	0.071	-18.625	0.000	-1.634	0.105	-15.628	0	-1.710	0.087	-19.549	0.000
Thresholds	SRA-AR1	-1.317	0.071	-18.625	0.000	-1.634	0.105	-15.628	0	-0.871	0.063	-13.881	0.000
Thresholds	SRA-AR1	-1.317	0.071	-18.625	0.000	-1.634	0.105	-15.628	0	-0.254	0.053	-4.826	0.000
Thresholds	SRA-AR1	-1.317	0.071	-18.625	0.000	-1.022	0.074	-13.838	0	-1.710	0.087	-19.549	0.000
Thresholds	SRA-AR1	-1.317	0.071	-18.625	0.000	-1.022	0.074	-13.838	0	-0.871	0.063	-13.881	0.000
Thresholds	SRA-AR1	-1.317	0.071	-18.625	0.000	-1.022	0.074	-13.838	0	-0.254	0.053	-4.826	0.000
Thresholds	SRA-AR1	-1.317	0.071	-18.625	0.000	-0.500	0.062	-8.104	0	-1.710	0.087	-19.549	0.000
Thresholds	SRA-AR1	-1.317	0.071	-18.625	0.000	-0.500	0.062	-8.104	0	-0.871	0.063	-13.881	0.000
Thresholds	SRA-AR1	-1.317	0.071	-18.625	0.000	-0.500	0.062	-8.104	0	-0.254	0.053	-4.826	0.000
Thresholds	SRA-AR1	-0.616	0.056	-10.928	0.000	-1.634	0.105	-15.628	0	-1.710	0.087	-19.549	0.000

paramHeader	param	est_T1	se_T1	est_se_T1	pval_T1	est_T2	se_T2	est_se_T2	pval_T2	est_T3	se_T3	est_se_T3	pval_T3
Thresholds	SRA-AR1	-0.616	0.056	-10.928	0.000	-1.634	0.105	-15.628	0	-0.871	0.063	-13.881	0.000
Thresholds	SRA-AR1	-0.616	0.056	-10.928	0.000	-1.634	0.105	-15.628	0	-0.254	0.053	-4.826	0.000
Thresholds	SRA-AR1	-0.616	0.056	-10.928	0.000	-1.022	0.074	-13.838	0	-1.710	0.087	-19.549	0.000
Thresholds	SRA-AR1	-0.616	0.056	-10.928	0.000	-1.022	0.074	-13.838	0	-0.871	0.063	-13.881	0.000
Thresholds	SRA-AR1	-0.616	0.056	-10.928	0.000	-1.022	0.074	-13.838	0	-0.254	0.053	-4.826	0.000
Thresholds	SRA-AR1	-0.616	0.056	-10.928	0.000	-0.500	0.062	-8.104	0	-1.710	0.087	-19.549	0.000
Thresholds	SRA-AR1	-0.616	0.056	-10.928	0.000	-0.500	0.062	-8.104	0	-0.871	0.063	-13.881	0.000
Thresholds	SRA-AR1	-0.616	0.056	-10.928	0.000	-0.500	0.062	-8.104	0	-0.254	0.053	-4.826	0.000
Thresholds	SRA-AR1	-0.024	0.056	-0.431	0.666	-1.634	0.105	-15.628	0	-1.710	0.087	-19.549	0.000
Thresholds	SRA-AR1	-0.024	0.056	-0.431	0.666	-1.634	0.105	-15.628	0	-0.871	0.063	-13.881	0.000
Thresholds	SRA-AR1	-0.024	0.056	-0.431	0.666	-1.634	0.105	-15.628	0	-0.254	0.053	-4.826	0.000
Thresholds	SRA-AR1	-0.024	0.056	-0.431	0.666	-1.022	0.074	-13.838	0	-1.710	0.087	-19.549	0.000
Thresholds	SRA-AR1	-0.024	0.056	-0.431	0.666	-1.022	0.074	-13.838	0	-0.871	0.063	-13.881	0.000
Thresholds	SRA-AR1	-0.024	0.056	-0.431	0.666	-1.022	0.074	-13.838	0	-0.254	0.053	-4.826	0.000

paramHeader	param	est_T1	se_T1	est_se_T1	pval_T1	est_T2	se_T2	est_se_T2	pval_T2	est_T3	se_T3	est_se_T3	pval_T3
Thresholds	SRA-AR1	-0.024	0.056	-0.431	0.666	-0.500	0.062	-8.104	0	-1.710	0.087	-19.549	0.000
Thresholds	SRA-AR1	-0.024	0.056	-0.431	0.666	-0.500	0.062	-8.104	0	-0.871	0.063	-13.881	0.000
Thresholds	SRA-AR1	-0.024	0.056	-0.431	0.666	-0.500	0.062	-8.104	0	-0.254	0.053	-4.826	0.000
Thresholds	SRA-AR2	-1.265	0.069	-18.330	0.000	-1.740	0.100	-17.422	0	-1.546	0.081	-19.193	0.000
Thresholds	SRA-AR2	-1.265	0.069	-18.330	0.000	-1.740	0.100	-17.422	0	-0.829	0.061	-13.548	0.000
Thresholds	SRA-AR2	-1.265	0.069	-18.330	0.000	-1.740	0.100	-17.422	0	-0.157	0.053	-2.959	0.003
Thresholds	SRA-AR2	-1.265	0.069	-18.330	0.000	-1.092	0.072	-15.235	0	-1.546	0.081	-19.193	0.000
Thresholds	SRA-AR2	-1.265	0.069	-18.330	0.000	-1.092	0.072	-15.235	0	-0.829	0.061	-13.548	0.000
Thresholds	SRA-AR2	-1.265	0.069	-18.330	0.000	-1.092	0.072	-15.235	0	-0.157	0.053	-2.959	0.003
Thresholds	SRA-AR2	-1.265	0.069	-18.330	0.000	-0.225	0.058	-3.902	0	-1.546	0.081	-19.193	0.000
Thresholds	SRA-AR2	-1.265	0.069	-18.330	0.000	-0.225	0.058	-3.902	0	-0.829	0.061	-13.548	0.000
Thresholds	SRA-AR2	-1.265	0.069	-18.330	0.000	-0.225	0.058	-3.902	0	-0.157	0.053	-2.959	0.003
Thresholds	SRA-AR2	-0.704	0.057	-12.462	0.000	-1.740	0.100	-17.422	0	-1.546	0.081	-19.193	0.000
Thresholds	SRA-AR2	-0.704	0.057	-12.462	0.000	-1.740	0.100	-17.422	0	-0.829	0.061	-13.548	0.000

paramHeader	param	est_T1	se_T1	est_se_T1	pval_T1	est_T2	se_T2	est_se_T2	pval_T2	est_T3	se_T3	est_se_T3	pval_T3
Thresholds	SRA-AR2	-0.704	0.057	-12.462	0.000	-1.740	0.100	-17.422	0	-0.157	0.053	-2.959	0.003
Thresholds	SRA-AR2	-0.704	0.057	-12.462	0.000	-1.092	0.072	-15.235	0	-1.546	0.081	-19.193	0.000
Thresholds	SRA-AR2	-0.704	0.057	-12.462	0.000	-1.092	0.072	-15.235	0	-0.829	0.061	-13.548	0.000
Thresholds	SRA-AR2	-0.704	0.057	-12.462	0.000	-1.092	0.072	-15.235	0	-0.157	0.053	-2.959	0.003
Thresholds	SRA-AR2	-0.704	0.057	-12.462	0.000	-0.225	0.058	-3.902	0	-1.546	0.081	-19.193	0.000
Thresholds	SRA-AR2	-0.704	0.057	-12.462	0.000	-0.225	0.058	-3.902	0	-0.829	0.061	-13.548	0.000
Thresholds	SRA-AR2	-0.704	0.057	-12.462	0.000	-0.225	0.058	-3.902	0	-0.157	0.053	-2.959	0.003
Thresholds	SRA-AR2	-0.002	0.052	-0.031	0.975	-1.740	0.100	-17.422	0	-1.546	0.081	-19.193	0.000
Thresholds	SRA-AR2	-0.002	0.052	-0.031	0.975	-1.740	0.100	-17.422	0	-0.829	0.061	-13.548	0.000
Thresholds	SRA-AR2	-0.002	0.052	-0.031	0.975	-1.740	0.100	-17.422	0	-0.157	0.053	-2.959	0.003
Thresholds	SRA-AR2	-0.002	0.052	-0.031	0.975	-1.092	0.072	-15.235	0	-1.546	0.081	-19.193	0.000
Thresholds	SRA-AR2	-0.002	0.052	-0.031	0.975	-1.092	0.072	-15.235	0	-0.829	0.061	-13.548	0.000
Thresholds	SRA-AR2	-0.002	0.052	-0.031	0.975	-1.092	0.072	-15.235	0	-0.157	0.053	-2.959	0.003
Thresholds	SRA-AR2	-0.002	0.052	-0.031	0.975	-0.225	0.058	-3.902	0	-1.546	0.081	-19.193	0.000

paramHeader	param	est_T1	se_T1	est_se_T1	pval_T1	est_T2	se_T2	est_se_T2	pval_T2	est_T3	se_T3	est_se_T3	pval_T3
Thresholds	SRA-AR2	-0.002	0.052	-0.031	0.975	-0.225	0.058	-3.902	0	-0.829	0.061	-13.548	0.000
Thresholds	SRA-AR2	-0.002	0.052	-0.031	0.975	-0.225	0.058	-3.902	0	-0.157	0.053	-2.959	0.003
Thresholds	SRA-AR3	-1.237	0.073	-16.891	0.000	-1.620	0.117	-13.856	0	-1.571	0.094	-16.752	0.000
Thresholds	SRA-AR3	-1.237	0.073	-16.891	0.000	-1.620	0.117	-13.856	0	-0.779	0.061	-12.704	0.000
Thresholds	SRA-AR3	-1.237	0.073	-16.891	0.000	-1.620	0.117	-13.856	0	-0.157	0.051	-3.100	0.002
Thresholds	SRA-AR3	-1.237	0.073	-16.891	0.000	-0.894	0.069	-13.044	0	-1.571	0.094	-16.752	0.000
Thresholds	SRA-AR3	-1.237	0.073	-16.891	0.000	-0.894	0.069	-13.044	0	-0.779	0.061	-12.704	0.000
Thresholds	SRA-AR3	-1.237	0.073	-16.891	0.000	-0.894	0.069	-13.044	0	-0.157	0.051	-3.100	0.002
Thresholds	SRA-AR3	-1.237	0.073	-16.891	0.000	-0.256	0.059	-4.311	0	-1.571	0.094	-16.752	0.000
Thresholds	SRA-AR3	-1.237	0.073	-16.891	0.000	-0.256	0.059	-4.311	0	-0.779	0.061	-12.704	0.000
Thresholds	SRA-AR3	-1.237	0.073	-16.891	0.000	-0.256	0.059	-4.311	0	-0.157	0.051	-3.100	0.002
Thresholds	SRA-AR3	-0.525	0.061	-8.625	0.000	-1.620	0.117	-13.856	0	-1.571	0.094	-16.752	0.000
Thresholds	SRA-AR3	-0.525	0.061	-8.625	0.000	-1.620	0.117	-13.856	0	-0.779	0.061	-12.704	0.000
Thresholds	SRA-AR3	-0.525	0.061	-8.625	0.000	-1.620	0.117	-13.856	0	-0.157	0.051	-3.100	0.002

paramHeader	param	est_T1	se_T1	est_se_T1	pval_T1	est_T2	se_T2	est_se_T2	pval_T2	est_T3	se_T3	est_se_T3	pval_T3
Thresholds	SRA-AR3	-0.525	0.061	-8.625	0.000	-0.894	0.069	-13.044	0	-1.571	0.094	-16.752	0.000
Thresholds	SRA-AR3	-0.525	0.061	-8.625	0.000	-0.894	0.069	-13.044	0	-0.779	0.061	-12.704	0.000
Thresholds	SRA-AR3	-0.525	0.061	-8.625	0.000	-0.894	0.069	-13.044	0	-0.157	0.051	-3.100	0.002
Thresholds	SRA-AR3	-0.525	0.061	-8.625	0.000	-0.256	0.059	-4.311	0	-1.571	0.094	-16.752	0.000
Thresholds	SRA-AR3	-0.525	0.061	-8.625	0.000	-0.256	0.059	-4.311	0	-0.779	0.061	-12.704	0.000
Thresholds	SRA-AR3	-0.525	0.061	-8.625	0.000	-0.256	0.059	-4.311	0	-0.157	0.051	-3.100	0.002
Thresholds	SRA-AR3	0.102	0.056	1.818	0.069	-1.620	0.117	-13.856	0	-1.571	0.094	-16.752	0.000
Thresholds	SRA-AR3	0.102	0.056	1.818	0.069	-1.620	0.117	-13.856	0	-0.779	0.061	-12.704	0.000
Thresholds	SRA-AR3	0.102	0.056	1.818	0.069	-1.620	0.117	-13.856	0	-0.157	0.051	-3.100	0.002
Thresholds	SRA-AR3	0.102	0.056	1.818	0.069	-0.894	0.069	-13.044	0	-1.571	0.094	-16.752	0.000
Thresholds	SRA-AR3	0.102	0.056	1.818	0.069	-0.894	0.069	-13.044	0	-0.779	0.061	-12.704	0.000
Thresholds	SRA-AR3	0.102	0.056	1.818	0.069	-0.894	0.069	-13.044	0	-0.157	0.051	-3.100	0.002
Thresholds	SRA-AR3	0.102	0.056	1.818	0.069	-0.256	0.059	-4.311	0	-1.571	0.094	-16.752	0.000
Thresholds	SRA-AR3	0.102	0.056	1.818	0.069	-0.256	0.059	-4.311	0	-0.779	0.061	-12.704	0.000

paramHeader	param	est_T1	se_T1	est_se_T1	pval_T1	est_T2	se_T2	est_se_T2	pval_T2	est_T3	se_T3	est_se_T3	pval_T3
Thresholds	SRA-AR3	0.102	0.056	1.818	0.069	-0.256	0.059	-4.311	0	-0.157	0.051	-3.100	0.002
Thresholds	SRA-AR4	-1.709	0.084	-20.386	0.000	-2.075	0.154	-13.460	0	-2.377	0.148	-16.027	0.000
Thresholds	SRA-AR4	-1.709	0.084	-20.386	0.000	-2.075	0.154	-13.460	0	-0.784	0.063	-12.398	0.000
Thresholds	SRA-AR4	-1.709	0.084	-20.386	0.000	-2.075	0.154	-13.460	0	-0.581	0.059	-9.873	0.000
Thresholds	SRA-AR4	-1.709	0.084	-20.386	0.000	-0.872	0.067	-13.015	0	-2.377	0.148	-16.027	0.000
Thresholds	SRA-AR4	-1.709	0.084	-20.386	0.000	-0.872	0.067	-13.015	0	-0.784	0.063	-12.398	0.000
Thresholds	SRA-AR4	-1.709	0.084	-20.386	0.000	-0.872	0.067	-13.015	0	-0.581	0.059	-9.873	0.000
Thresholds	SRA-AR4	-1.709	0.084	-20.386	0.000	-0.661	0.062	-10.600	0	-2.377	0.148	-16.027	0.000
Thresholds	SRA-AR4	-1.709	0.084	-20.386	0.000	-0.661	0.062	-10.600	0	-0.784	0.063	-12.398	0.000
Thresholds	SRA-AR4	-1.709	0.084	-20.386	0.000	-0.661	0.062	-10.600	0	-0.581	0.059	-9.873	0.000
Thresholds	SRA-AR4	-0.738	0.059	-12.590	0.000	-2.075	0.154	-13.460	0	-2.377	0.148	-16.027	0.000
Thresholds	SRA-AR4	-0.738	0.059	-12.590	0.000	-2.075	0.154	-13.460	0	-0.784	0.063	-12.398	0.000
Thresholds	SRA-AR4	-0.738	0.059	-12.590	0.000	-2.075	0.154	-13.460	0	-0.581	0.059	-9.873	0.000
Thresholds	SRA-AR4	-0.738	0.059	-12.590	0.000	-0.872	0.067	-13.015	0	-2.377	0.148	-16.027	0.000

paramHeader	param	est_T1	se_T1	est_se_T1	pval_T1	est_T2	se_T2	est_se_T2	pval_T2	est_T3	se_T3	est_se_T3	pval_T3
Thresholds	SRA-AR4	-0.738	0.059	-12.590	0.000	-0.872	0.067	-13.015	0	-0.784	0.063	-12.398	0.000
Thresholds	SRA-AR4	-0.738	0.059	-12.590	0.000	-0.872	0.067	-13.015	0	-0.581	0.059	-9.873	0.000
Thresholds	SRA-AR4	-0.738	0.059	-12.590	0.000	-0.661	0.062	-10.600	0	-2.377	0.148	-16.027	0.000
Thresholds	SRA-AR4	-0.738	0.059	-12.590	0.000	-0.661	0.062	-10.600	0	-0.784	0.063	-12.398	0.000
Thresholds	SRA-AR4	-0.738	0.059	-12.590	0.000	-0.661	0.062	-10.600	0	-0.581	0.059	-9.873	0.000
Thresholds	SRA-AR4	-0.344	0.049	-6.964	0.000	-2.075	0.154	-13.460	0	-2.377	0.148	-16.027	0.000
Thresholds	SRA-AR4	-0.344	0.049	-6.964	0.000	-2.075	0.154	-13.460	0	-0.784	0.063	-12.398	0.000
Thresholds	SRA-AR4	-0.344	0.049	-6.964	0.000	-2.075	0.154	-13.460	0	-0.581	0.059	-9.873	0.000
Thresholds	SRA-AR4	-0.344	0.049	-6.964	0.000	-0.872	0.067	-13.015	0	-2.377	0.148	-16.027	0.000
Thresholds	SRA-AR4	-0.344	0.049	-6.964	0.000	-0.872	0.067	-13.015	0	-0.784	0.063	-12.398	0.000
Thresholds	SRA-AR4	-0.344	0.049	-6.964	0.000	-0.872	0.067	-13.015	0	-0.581	0.059	-9.873	0.000
Thresholds	SRA-AR4	-0.344	0.049	-6.964	0.000	-0.661	0.062	-10.600	0	-2.377	0.148	-16.027	0.000
Thresholds	SRA-AR4	-0.344	0.049	-6.964	0.000	-0.661	0.062	-10.600	0	-0.784	0.063	-12.398	0.000
Thresholds	SRA-AR4	-0.344	0.049	-6.964	0.000	-0.661	0.062	-10.600	0	-0.581	0.059	-9.873	0.000

paramHeader	param	est_T1	se_T1	est_se_T1	pval_T1	est_T2	se_T2	est_se_T2	pval_T2	est_T3	se_T3	est_se_T3	pval_T3
Thresholds	SRA-AR5	-1.433	0.090	-15.909	0.000	-1.519	0.100	-15.156	0	-1.726	0.102	-16.932	0.000
Thresholds	SRA-AR5	-1.433	0.090	-15.909	0.000	-1.519	0.100	-15.156	0	-1.050	0.067	-15.682	0.000
Thresholds	SRA-AR5	-1.433	0.090	-15.909	0.000	-1.519	0.100	-15.156	0	-0.547	0.054	-10.064	0.000
Thresholds	SRA-AR5	-1.433	0.090	-15.909	0.000	-1.105	0.075	-14.833	0	-1.726	0.102	-16.932	0.000
Thresholds	SRA-AR5	-1.433	0.090	-15.909	0.000	-1.105	0.075	-14.833	0	-1.050	0.067	-15.682	0.000
Thresholds	SRA-AR5	-1.433	0.090	-15.909	0.000	-1.105	0.075	-14.833	0	-0.547	0.054	-10.064	0.000
Thresholds	SRA-AR5	-1.433	0.090	-15.909	0.000	-0.504	0.064	-7.935	0	-1.726	0.102	-16.932	0.000
Thresholds	SRA-AR5	-1.433	0.090	-15.909	0.000	-0.504	0.064	-7.935	0	-1.050	0.067	-15.682	0.000
Thresholds	SRA-AR5	-1.433	0.090	-15.909	0.000	-0.504	0.064	-7.935	0	-0.547	0.054	-10.064	0.000
Thresholds	SRA-AR5	-0.867	0.064	-13.545	0.000	-1.519	0.100	-15.156	0	-1.726	0.102	-16.932	0.000
Thresholds	SRA-AR5	-0.867	0.064	-13.545	0.000	-1.519	0.100	-15.156	0	-1.050	0.067	-15.682	0.000
Thresholds	SRA-AR5	-0.867	0.064	-13.545	0.000	-1.519	0.100	-15.156	0	-0.547	0.054	-10.064	0.000
Thresholds	SRA-AR5	-0.867	0.064	-13.545	0.000	-1.105	0.075	-14.833	0	-1.726	0.102	-16.932	0.000
Thresholds	SRA-AR5	-0.867	0.064	-13.545	0.000	-1.105	0.075	-14.833	0	-1.050	0.067	-15.682	0.000

paramHeader	param	est_T1	se_T1	est_se_T1	pval_T1	est_T2	se_T2	est_se_T2	pval_T2	est_T3	se_T3	est_se_T3	pval_T3
Thresholds	SRA-AR5	-0.867	0.064	-13.545	0.000	-1.105	0.075	-14.833	0	-0.547	0.054	-10.064	0.000
Thresholds	SRA-AR5	-0.867	0.064	-13.545	0.000	-0.504	0.064	-7.935	0	-1.726	0.102	-16.932	0.000
Thresholds	SRA-AR5	-0.867	0.064	-13.545	0.000	-0.504	0.064	-7.935	0	-1.050	0.067	-15.682	0.000
Thresholds	SRA-AR5	-0.867	0.064	-13.545	0.000	-0.504	0.064	-7.935	0	-0.547	0.054	-10.064	0.000
Thresholds	SRA-AR5	-0.092	0.055	-1.675	0.094	-1.519	0.100	-15.156	0	-1.726	0.102	-16.932	0.000
Thresholds	SRA-AR5	-0.092	0.055	-1.675	0.094	-1.519	0.100	-15.156	0	-1.050	0.067	-15.682	0.000
Thresholds	SRA-AR5	-0.092	0.055	-1.675	0.094	-1.519	0.100	-15.156	0	-0.547	0.054	-10.064	0.000
Thresholds	SRA-AR5	-0.092	0.055	-1.675	0.094	-1.105	0.075	-14.833	0	-1.726	0.102	-16.932	0.000
Thresholds	SRA-AR5	-0.092	0.055	-1.675	0.094	-1.105	0.075	-14.833	0	-1.050	0.067	-15.682	0.000
Thresholds	SRA-AR5	-0.092	0.055	-1.675	0.094	-1.105	0.075	-14.833	0	-0.547	0.054	-10.064	0.000
Thresholds	SRA-AR5	-0.092	0.055	-1.675	0.094	-0.504	0.064	-7.935	0	-1.726	0.102	-16.932	0.000
Thresholds	SRA-AR5	-0.092	0.055	-1.675	0.094	-0.504	0.064	-7.935	0	-1.050	0.067	-15.682	0.000
Thresholds	SRA-AR5	-0.092	0.055	-1.675	0.094	-0.504	0.064	-7.935	0	-0.547	0.054	-10.064	0.000
Thresholds	SRA-AR6	-2.159	0.117	-18.378	0.000	-2.142	0.124	-17.219	0	-2.523	0.174	-14.534	0.000

paramHeader	param	est_T1	se_T1	est_se_T1	pval_T1	est_T2	se_T2	est_se_T2	pval_T2	est_T3	se_T3	est_se_T3	pval_T3
Thresholds	SRA-AR6	-2.159	0.117	-18.378	0.000	-2.142	0.124	-17.219	0	-1.571	0.091	-17.191	0.000
Thresholds	SRA-AR6	-2.159	0.117	-18.378	0.000	-2.142	0.124	-17.219	0	-0.656	0.053	-12.433	0.000
Thresholds	SRA-AR6	-2.159	0.117	-18.378	0.000	-1.319	0.092	-14.378	0	-2.523	0.174	-14.534	0.000
Thresholds	SRA-AR6	-2.159	0.117	-18.378	0.000	-1.319	0.092	-14.378	0	-1.571	0.091	-17.191	0.000
Thresholds	SRA-AR6	-2.159	0.117	-18.378	0.000	-1.319	0.092	-14.378	0	-0.656	0.053	-12.433	0.000
Thresholds	SRA-AR6	-2.159	0.117	-18.378	0.000	-0.629	0.069	-9.141	0	-2.523	0.174	-14.534	0.000
Thresholds	SRA-AR6	-2.159	0.117	-18.378	0.000	-0.629	0.069	-9.141	0	-1.571	0.091	-17.191	0.000
Thresholds	SRA-AR6	-2.159	0.117	-18.378	0.000	-0.629	0.069	-9.141	0	-0.656	0.053	-12.433	0.000
Thresholds	SRA-AR6	-1.151	0.065	-17.806	0.000	-2.142	0.124	-17.219	0	-2.523	0.174	-14.534	0.000
Thresholds	SRA-AR6	-1.151	0.065	-17.806	0.000	-2.142	0.124	-17.219	0	-1.571	0.091	-17.191	0.000
Thresholds	SRA-AR6	-1.151	0.065	-17.806	0.000	-2.142	0.124	-17.219	0	-0.656	0.053	-12.433	0.000
Thresholds	SRA-AR6	-1.151	0.065	-17.806	0.000	-1.319	0.092	-14.378	0	-2.523	0.174	-14.534	0.000
Thresholds	SRA-AR6	-1.151	0.065	-17.806	0.000	-1.319	0.092	-14.378	0	-1.571	0.091	-17.191	0.000
Thresholds	SRA-AR6	-1.151	0.065	-17.806	0.000	-1.319	0.092	-14.378	0	-0.656	0.053	-12.433	0.000

paramHeader	param	est_T1	se_T1	est_se_T1	pval_T1	est_T2	se_T2	est_se_T2	pval_T2	est_T3	se_T3	est_se_T3	pval_T3
Thresholds	SRA-AR6	-1.151	0.065	-17.806	0.000	-0.629	0.069	-9.141	0	-2.523	0.174	-14.534	0.000
Thresholds	SRA-AR6	-1.151	0.065	-17.806	0.000	-0.629	0.069	-9.141	0	-1.571	0.091	-17.191	0.000
Thresholds	SRA-AR6	-1.151	0.065	-17.806	0.000	-0.629	0.069	-9.141	0	-0.656	0.053	-12.433	0.000
Thresholds	SRA-AR6	-0.392	0.058	-6.729	0.000	-2.142	0.124	-17.219	0	-2.523	0.174	-14.534	0.000
Thresholds	SRA-AR6	-0.392	0.058	-6.729	0.000	-2.142	0.124	-17.219	0	-1.571	0.091	-17.191	0.000
Thresholds	SRA-AR6	-0.392	0.058	-6.729	0.000	-2.142	0.124	-17.219	0	-0.656	0.053	-12.433	0.000
Thresholds	SRA-AR6	-0.392	0.058	-6.729	0.000	-1.319	0.092	-14.378	0	-2.523	0.174	-14.534	0.000
Thresholds	SRA-AR6	-0.392	0.058	-6.729	0.000	-1.319	0.092	-14.378	0	-1.571	0.091	-17.191	0.000
Thresholds	SRA-AR6	-0.392	0.058	-6.729	0.000	-1.319	0.092	-14.378	0	-0.656	0.053	-12.433	0.000
Thresholds	SRA-AR6	-0.392	0.058	-6.729	0.000	-0.629	0.069	-9.141	0	-2.523	0.174	-14.534	0.000
Thresholds	SRA-AR6	-0.392	0.058	-6.729	0.000	-0.629	0.069	-9.141	0	-1.571	0.091	-17.191	0.000
Thresholds	SRA-AR6	-0.392	0.058	-6.729	0.000	-0.629	0.069	-9.141	0	-0.656	0.053	-12.433	0.000
Thresholds	SRA-AR7	-1.573	0.076	-20.827	0.000	-1.871	0.101	-18.513	0	-1.680	0.093	-18.040	0.000
Thresholds	SRA-AR7	-1.573	0.076	-20.827	0.000	-1.871	0.101	-18.513	0	-1.367	0.077	-17.674	0.000

paramHeader	param	est_T1	se_T1	est_se_T1	pval_T1	est_T2	se_T2	est_se_T2	pval_T2	est_T3	se_T3	est_se_T3	pval_T3
Thresholds	SRA-AR7	-1.573	0.076	-20.827	0.000	-1.871	0.101	-18.513	0	-0.154	0.059	-2.613	0.009
Thresholds	SRA-AR7	-1.573	0.076	-20.827	0.000	-1.383	0.082	-16.927	0	-1.680	0.093	-18.040	0.000
Thresholds	SRA-AR7	-1.573	0.076	-20.827	0.000	-1.383	0.082	-16.927	0	-1.367	0.077	-17.674	0.000
Thresholds	SRA-AR7	-1.573	0.076	-20.827	0.000	-1.383	0.082	-16.927	0	-0.154	0.059	-2.613	0.009
Thresholds	SRA-AR7	-1.573	0.076	-20.827	0.000	-0.324	0.059	-5.521	0	-1.680	0.093	-18.040	0.000
Thresholds	SRA-AR7	-1.573	0.076	-20.827	0.000	-0.324	0.059	-5.521	0	-1.367	0.077	-17.674	0.000
Thresholds	SRA-AR7	-1.573	0.076	-20.827	0.000	-0.324	0.059	-5.521	0	-0.154	0.059	-2.613	0.009
Thresholds	SRA-AR7	-1.196	0.058	-20.534	0.000	-1.871	0.101	-18.513	0	-1.680	0.093	-18.040	0.000
Thresholds	SRA-AR7	-1.196	0.058	-20.534	0.000	-1.871	0.101	-18.513	0	-1.367	0.077	-17.674	0.000
Thresholds	SRA-AR7	-1.196	0.058	-20.534	0.000	-1.871	0.101	-18.513	0	-0.154	0.059	-2.613	0.009
Thresholds	SRA-AR7	-1.196	0.058	-20.534	0.000	-1.383	0.082	-16.927	0	-1.680	0.093	-18.040	0.000
Thresholds	SRA-AR7	-1.196	0.058	-20.534	0.000	-1.383	0.082	-16.927	0	-1.367	0.077	-17.674	0.000
Thresholds	SRA-AR7	-1.196	0.058	-20.534	0.000	-1.383	0.082	-16.927	0	-0.154	0.059	-2.613	0.009
Thresholds	SRA-AR7	-1.196	0.058	-20.534	0.000	-0.324	0.059	-5.521	0	-1.680	0.093	-18.040	0.000

paramHeader	param	est_T1	se_T1	est_se_T1	pval_T1	est_T2	se_T2	est_se_T2	pval_T2	est_T3	se_T3	est_se_T3	pval_T3
Thresholds	SRA-AR7	-1.196	0.058	-20.534	0.000	-0.324	0.059	-5.521	0	-1.367	0.077	-17.674	0.000
Thresholds	SRA-AR7	-1.196	0.058	-20.534	0.000	-0.324	0.059	-5.521	0	-0.154	0.059	-2.613	0.009
Thresholds	SRA-AR7	-0.190	0.046	-4.134	0.000	-1.871	0.101	-18.513	0	-1.680	0.093	-18.040	0.000
Thresholds	SRA-AR7	-0.190	0.046	-4.134	0.000	-1.871	0.101	-18.513	0	-1.367	0.077	-17.674	0.000
Thresholds	SRA-AR7	-0.190	0.046	-4.134	0.000	-1.871	0.101	-18.513	0	-0.154	0.059	-2.613	0.009
Thresholds	SRA-AR7	-0.190	0.046	-4.134	0.000	-1.383	0.082	-16.927	0	-1.680	0.093	-18.040	0.000
Thresholds	SRA-AR7	-0.190	0.046	-4.134	0.000	-1.383	0.082	-16.927	0	-1.367	0.077	-17.674	0.000
Thresholds	SRA-AR7	-0.190	0.046	-4.134	0.000	-1.383	0.082	-16.927	0	-0.154	0.059	-2.613	0.009
Thresholds	SRA-AR7	-0.190	0.046	-4.134	0.000	-0.324	0.059	-5.521	0	-1.680	0.093	-18.040	0.000
Thresholds	SRA-AR7	-0.190	0.046	-4.134	0.000	-0.324	0.059	-5.521	0	-1.367	0.077	-17.674	0.000
Thresholds	SRA-AR7	-0.190	0.046	-4.134	0.000	-0.324	0.059	-5.521	0	-0.154	0.059	-2.613	0.009
Thresholds	SRA-AR8	-1.530	0.089	-17.214	0.000	-1.708	0.096	-17.709	0	-1.743	0.091	-19.148	0.000
Thresholds	SRA-AR8	-1.530	0.089	-17.214	0.000	-1.708	0.096	-17.709	0	-1.331	0.066	-20.053	0.000
Thresholds	SRA-AR8	-1.530	0.089	-17.214	0.000	-1.708	0.096	-17.709	0	-0.493	0.052	-9.461	0.000

paramHeader	param	est_T1	se_T1	est_se_T1	pval_T1	est_T2	se_T2	est_se_T2	pval_T2	est_T3	se_T3	est_se_T3	pval_T3
Thresholds	SRA-AR8	-1.530	0.089	-17.214	0.000	-1.260	0.076	-16.487	0	-1.743	0.091	-19.148	0.000
Thresholds	SRA-AR8	-1.530	0.089	-17.214	0.000	-1.260	0.076	-16.487	0	-1.331	0.066	-20.053	0.000
Thresholds	SRA-AR8	-1.530	0.089	-17.214	0.000	-1.260	0.076	-16.487	0	-0.493	0.052	-9.461	0.000
Thresholds	SRA-AR8	-1.530	0.089	-17.214	0.000	-0.589	0.067	-8.797	0	-1.743	0.091	-19.148	0.000
Thresholds	SRA-AR8	-1.530	0.089	-17.214	0.000	-0.589	0.067	-8.797	0	-1.331	0.066	-20.053	0.000
Thresholds	SRA-AR8	-1.530	0.089	-17.214	0.000	-0.589	0.067	-8.797	0	-0.493	0.052	-9.461	0.000
Thresholds	SRA-AR8	-1.120	0.069	-16.182	0.000	-1.708	0.096	-17.709	0	-1.743	0.091	-19.148	0.000
Thresholds	SRA-AR8	-1.120	0.069	-16.182	0.000	-1.708	0.096	-17.709	0	-1.331	0.066	-20.053	0.000
Thresholds	SRA-AR8	-1.120	0.069	-16.182	0.000	-1.708	0.096	-17.709	0	-0.493	0.052	-9.461	0.000
Thresholds	SRA-AR8	-1.120	0.069	-16.182	0.000	-1.260	0.076	-16.487	0	-1.743	0.091	-19.148	0.000
Thresholds	SRA-AR8	-1.120	0.069	-16.182	0.000	-1.260	0.076	-16.487	0	-1.331	0.066	-20.053	0.000
Thresholds	SRA-AR8	-1.120	0.069	-16.182	0.000	-1.260	0.076	-16.487	0	-0.493	0.052	-9.461	0.000
Thresholds	SRA-AR8	-1.120	0.069	-16.182	0.000	-0.589	0.067	-8.797	0	-1.743	0.091	-19.148	0.000
Thresholds	SRA-AR8	-1.120	0.069	-16.182	0.000	-0.589	0.067	-8.797	0	-1.331	0.066	-20.053	0.000

paramHeader	param	est_T1	se_T1	est_se_T1	pval_T1	est_T2	se_T2	est_se_T2	pval_T2	est_T3	se_T3	est_se_T3	pval_T3
Thresholds	SRA-AR8	-1.120	0.069	-16.182	0.000	-0.589	0.067	-8.797	0	-0.493	0.052	-9.461	0.000
Thresholds	SRA-AR8	-0.269	0.058	-4.613	0.000	-1.708	0.096	-17.709	0	-1.743	0.091	-19.148	0.000
Thresholds	SRA-AR8	-0.269	0.058	-4.613	0.000	-1.708	0.096	-17.709	0	-1.331	0.066	-20.053	0.000
Thresholds	SRA-AR8	-0.269	0.058	-4.613	0.000	-1.708	0.096	-17.709	0	-0.493	0.052	-9.461	0.000
Thresholds	SRA-AR8	-0.269	0.058	-4.613	0.000	-1.260	0.076	-16.487	0	-1.743	0.091	-19.148	0.000
Thresholds	SRA-AR8	-0.269	0.058	-4.613	0.000	-1.260	0.076	-16.487	0	-1.331	0.066	-20.053	0.000
Thresholds	SRA-AR8	-0.269	0.058	-4.613	0.000	-1.260	0.076	-16.487	0	-0.493	0.052	-9.461	0.000
Thresholds	SRA-AR8	-0.269	0.058	-4.613	0.000	-0.589	0.067	-8.797	0	-1.743	0.091	-19.148	0.000
Thresholds	SRA-AR8	-0.269	0.058	-4.613	0.000	-0.589	0.067	-8.797	0	-1.331	0.066	-20.053	0.000
Thresholds	SRA-AR8	-0.269	0.058	-4.613	0.000	-0.589	0.067	-8.797	0	-0.493	0.052	-9.461	0.000
Thresholds	SRA-AR10	-1.519	0.079	-19.232	0.000	-1.620	0.107	-15.189	0	-1.583	0.082	-19.374	0.000
Thresholds	SRA-AR10	-1.519	0.079	-19.232	0.000	-1.620	0.107	-15.189	0	-0.834	0.060	-13.854	0.000
Thresholds	SRA-AR10	-1.519	0.079	-19.232	0.000	-1.620	0.107	-15.189	0	0.638	0.067	9.547	0.000
Thresholds	SRA-AR10	-1.519	0.079	-19.232	0.000	-0.922	0.066	-14.064	0	-1.583	0.082	-19.374	0.000

paramHeader	param	est_T1	se_T1	est_se_T1	pval_T1	est_T2	se_T2	est_se_T2	pval_T2	est_T3	se_T3	est_se_T3	pval_T3
Thresholds	SRA-AR10	-1.519	0.079	-19.232	0.000	-0.922	0.066	-14.064	0	-0.834	0.060	-13.854	0.000
Thresholds	SRA-AR10	-1.519	0.079	-19.232	0.000	-0.922	0.066	-14.064	0	0.638	0.067	9.547	0.000
Thresholds	SRA-AR10	-1.519	0.079	-19.232	0.000	0.496	0.064	7.779	0	-1.583	0.082	-19.374	0.000
Thresholds	SRA-AR10	-1.519	0.079	-19.232	0.000	0.496	0.064	7.779	0	-0.834	0.060	-13.854	0.000
Thresholds	SRA-AR10	-1.519	0.079	-19.232	0.000	0.496	0.064	7.779	0	0.638	0.067	9.547	0.000
Thresholds	SRA-AR10	-0.830	0.062	-13.334	0.000	-1.620	0.107	-15.189	0	-1.583	0.082	-19.374	0.000
Thresholds	SRA-AR10	-0.830	0.062	-13.334	0.000	-1.620	0.107	-15.189	0	-0.834	0.060	-13.854	0.000
Thresholds	SRA-AR10	-0.830	0.062	-13.334	0.000	-1.620	0.107	-15.189	0	0.638	0.067	9.547	0.000
Thresholds	SRA-AR10	-0.830	0.062	-13.334	0.000	-0.922	0.066	-14.064	0	-1.583	0.082	-19.374	0.000
Thresholds	SRA-AR10	-0.830	0.062	-13.334	0.000	-0.922	0.066	-14.064	0	-0.834	0.060	-13.854	0.000
Thresholds	SRA-AR10	-0.830	0.062	-13.334	0.000	-0.922	0.066	-14.064	0	0.638	0.067	9.547	0.000
Thresholds	SRA-AR10	-0.830	0.062	-13.334	0.000	0.496	0.064	7.779	0	-1.583	0.082	-19.374	0.000
Thresholds	SRA-AR10	-0.830	0.062	-13.334	0.000	0.496	0.064	7.779	0	-0.834	0.060	-13.854	0.000
Thresholds	SRA-AR10	-0.830	0.062	-13.334	0.000	0.496	0.064	7.779	0	0.638	0.067	9.547	0.000

paramHeader	param	est_T1	se_T1	est_se_T1	pval_T1	est_T2	se_T2	est_se_T2	pval_T2	est_T3	se_T3	est_se_T3	pval_T3
Thresholds	SRA-AR10	0.441	0.057	7.771	0.000	-1.620	0.107	-15.189	0	-1.583	0.082	-19.374	0.000
Thresholds	SRA-AR10	0.441	0.057	7.771	0.000	-1.620	0.107	-15.189	0	-0.834	0.060	-13.854	0.000
Thresholds	SRA-AR10	0.441	0.057	7.771	0.000	-1.620	0.107	-15.189	0	0.638	0.067	9.547	0.000
Thresholds	SRA-AR10	0.441	0.057	7.771	0.000	-0.922	0.066	-14.064	0	-1.583	0.082	-19.374	0.000
Thresholds	SRA-AR10	0.441	0.057	7.771	0.000	-0.922	0.066	-14.064	0	-0.834	0.060	-13.854	0.000
Thresholds	SRA-AR10	0.441	0.057	7.771	0.000	-0.922	0.066	-14.064	0	0.638	0.067	9.547	0.000
Thresholds	SRA-AR10	0.441	0.057	7.771	0.000	0.496	0.064	7.779	0	-1.583	0.082	-19.374	0.000
Thresholds	SRA-AR10	0.441	0.057	7.771	0.000	0.496	0.064	7.779	0	-0.834	0.060	-13.854	0.000
Thresholds	SRA-AR10	0.441	0.057	7.771	0.000	0.496	0.064	7.779	0	0.638	0.067	9.547	0.000
Thresholds	SRA-AR11	-2.315	0.129	-17.929	0.000	-2.318	0.137	-16.922	0	-2.224	0.124	-17.996	0.000
Thresholds	SRA-AR11	-2.315	0.129	-17.929	0.000	-2.318	0.137	-16.922	0	-1.123	0.065	-17.280	0.000
Thresholds	SRA-AR11	-2.315	0.129	-17.929	0.000	-2.318	0.137	-16.922	0	-1.019	0.058	-17.559	0.000
Thresholds	SRA-AR11	-2.315	0.129	-17.929	0.000	-1.099	0.066	-16.700	0	-2.224	0.124	-17.996	0.000
Thresholds	SRA-AR11	-2.315	0.129	-17.929	0.000	-1.099	0.066	-16.700	0	-1.123	0.065	-17.280	0.000

paramHeader	param	est_T1	se_T1	est_se_T1	pval_T1	est_T2	se_T2	est_se_T2	pval_T2	est_T3	se_T3	est_se_T3	pval_T3
Thresholds	SRA-AR11	-2.315	0.129	-17.929	0.000	-1.099	0.066	-16.700	0	-1.019	0.058	-17.559	0.000
Thresholds	SRA-AR11	-2.315	0.129	-17.929	0.000	-0.905	0.064	-14.110	0	-2.224	0.124	-17.996	0.000
Thresholds	SRA-AR11	-2.315	0.129	-17.929	0.000	-0.905	0.064	-14.110	0	-1.123	0.065	-17.280	0.000
Thresholds	SRA-AR11	-2.315	0.129	-17.929	0.000	-0.905	0.064	-14.110	0	-1.019	0.058	-17.559	0.000
Thresholds	SRA-AR11	-1.102	0.071	-15.565	0.000	-2.318	0.137	-16.922	0	-2.224	0.124	-17.996	0.000
Thresholds	SRA-AR11	-1.102	0.071	-15.565	0.000	-2.318	0.137	-16.922	0	-1.123	0.065	-17.280	0.000
Thresholds	SRA-AR11	-1.102	0.071	-15.565	0.000	-2.318	0.137	-16.922	0	-1.019	0.058	-17.559	0.000
Thresholds	SRA-AR11	-1.102	0.071	-15.565	0.000	-1.099	0.066	-16.700	0	-2.224	0.124	-17.996	0.000
Thresholds	SRA-AR11	-1.102	0.071	-15.565	0.000	-1.099	0.066	-16.700	0	-1.123	0.065	-17.280	0.000
Thresholds	SRA-AR11	-1.102	0.071	-15.565	0.000	-1.099	0.066	-16.700	0	-1.019	0.058	-17.559	0.000
Thresholds	SRA-AR11	-1.102	0.071	-15.565	0.000	-0.905	0.064	-14.110	0	-2.224	0.124	-17.996	0.000
Thresholds	SRA-AR11	-1.102	0.071	-15.565	0.000	-0.905	0.064	-14.110	0	-1.123	0.065	-17.280	0.000
Thresholds	SRA-AR11	-1.102	0.071	-15.565	0.000	-0.905	0.064	-14.110	0	-1.019	0.058	-17.559	0.000
Thresholds	SRA-AR11	-0.871	0.067	-13.058	0.000	-2.318	0.137	-16.922	0	-2.224	0.124	-17.996	0.000

paramHeader	param	est_T1	se_T1	est_se_T1	pval_T1	est_T2	se_T2	est_se_T2	pval_T2	est_T3	se_T3	est_se_T3	pval_T3
Thresholds	SRA-AR11	-0.871	0.067	-13.058	0.000	-2.318	0.137	-16.922	0	-1.123	0.065	-17.280	0.000
Thresholds	SRA-AR11	-0.871	0.067	-13.058	0.000	-2.318	0.137	-16.922	0	-1.019	0.058	-17.559	0.000
Thresholds	SRA-AR11	-0.871	0.067	-13.058	0.000	-1.099	0.066	-16.700	0	-2.224	0.124	-17.996	0.000
Thresholds	SRA-AR11	-0.871	0.067	-13.058	0.000	-1.099	0.066	-16.700	0	-1.123	0.065	-17.280	0.000
Thresholds	SRA-AR11	-0.871	0.067	-13.058	0.000	-1.099	0.066	-16.700	0	-1.019	0.058	-17.559	0.000
Thresholds	SRA-AR11	-0.871	0.067	-13.058	0.000	-0.905	0.064	-14.110	0	-2.224	0.124	-17.996	0.000
Thresholds	SRA-AR11	-0.871	0.067	-13.058	0.000	-0.905	0.064	-14.110	0	-1.123	0.065	-17.280	0.000
Thresholds	SRA-AR11	-0.871	0.067	-13.058	0.000	-0.905	0.064	-14.110	0	-1.019	0.058	-17.559	0.000
Thresholds	SRA-AR12	-1.783	0.076	-23.585	0.000	-1.811	0.099	-18.312	0	-1.853	0.095	-19.489	0.000
Thresholds	SRA-AR12	-1.783	0.076	-23.585	0.000	-1.811	0.099	-18.312	0	-1.264	0.076	-16.635	0.000
Thresholds	SRA-AR12	-1.783	0.076	-23.585	0.000	-1.811	0.099	-18.312	0	-0.647	0.056	-11.468	0.000
Thresholds	SRA-AR12	-1.783	0.076	-23.585	0.000	-1.364	0.087	-15.659	0	-1.853	0.095	-19.489	0.000
Thresholds	SRA-AR12	-1.783	0.076	-23.585	0.000	-1.364	0.087	-15.659	0	-1.264	0.076	-16.635	0.000
Thresholds	SRA-AR12	-1.783	0.076	-23.585	0.000	-1.364	0.087	-15.659	0	-0.647	0.056	-11.468	0.000

paramHeader	param	est_T1	se_T1	est_se_T1	pval_T1	est_T2	se_T2	est_se_T2	pval_T2	est_T3	se_T3	est_se_T3	pval_T3
Thresholds	SRA-AR12	-1.783	0.076	-23.585	0.000	-0.712	0.057	-12.392	0	-1.853	0.095	-19.489	0.000
Thresholds	SRA-AR12	-1.783	0.076	-23.585	0.000	-0.712	0.057	-12.392	0	-1.264	0.076	-16.635	0.000
Thresholds	SRA-AR12	-1.783	0.076	-23.585	0.000	-0.712	0.057	-12.392	0	-0.647	0.056	-11.468	0.000
Thresholds	SRA-AR12	-1.034	0.063	-16.505	0.000	-1.811	0.099	-18.312	0	-1.853	0.095	-19.489	0.000
Thresholds	SRA-AR12	-1.034	0.063	-16.505	0.000	-1.811	0.099	-18.312	0	-1.264	0.076	-16.635	0.000
Thresholds	SRA-AR12	-1.034	0.063	-16.505	0.000	-1.811	0.099	-18.312	0	-0.647	0.056	-11.468	0.000
Thresholds	SRA-AR12	-1.034	0.063	-16.505	0.000	-1.364	0.087	-15.659	0	-1.853	0.095	-19.489	0.000
Thresholds	SRA-AR12	-1.034	0.063	-16.505	0.000	-1.364	0.087	-15.659	0	-1.264	0.076	-16.635	0.000
Thresholds	SRA-AR12	-1.034	0.063	-16.505	0.000	-1.364	0.087	-15.659	0	-0.647	0.056	-11.468	0.000
Thresholds	SRA-AR12	-1.034	0.063	-16.505	0.000	-0.712	0.057	-12.392	0	-1.853	0.095	-19.489	0.000
Thresholds	SRA-AR12	-1.034	0.063	-16.505	0.000	-0.712	0.057	-12.392	0	-1.264	0.076	-16.635	0.000
Thresholds	SRA-AR12	-1.034	0.063	-16.505	0.000	-0.712	0.057	-12.392	0	-0.647	0.056	-11.468	0.000
Thresholds	SRA-AR12	-0.420	0.046	-9.041	0.000	-1.811	0.099	-18.312	0	-1.853	0.095	-19.489	0.000
Thresholds	SRA-AR12	-0.420	0.046	-9.041	0.000	-1.811	0.099	-18.312	0	-1.264	0.076	-16.635	0.000

paramHeader	param	est_T1	se_T1	est_se_T1	pval_T1	est_T2	se_T2	est_se_T2	pval_T2	est_T3	se_T3	est_se_T3	pval_T3
Thresholds	SRA-AR12	-0.420	0.046	-9.041	0.000	-1.811	0.099	-18.312	0	-0.647	0.056	-11.468	0.000
Thresholds	SRA-AR12	-0.420	0.046	-9.041	0.000	-1.364	0.087	-15.659	0	-1.853	0.095	-19.489	0.000
Thresholds	SRA-AR12	-0.420	0.046	-9.041	0.000	-1.364	0.087	-15.659	0	-1.264	0.076	-16.635	0.000
Thresholds	SRA-AR12	-0.420	0.046	-9.041	0.000	-1.364	0.087	-15.659	0	-0.647	0.056	-11.468	0.000
Thresholds	SRA-AR12	-0.420	0.046	-9.041	0.000	-0.712	0.057	-12.392	0	-1.853	0.095	-19.489	0.000
Thresholds	SRA-AR12	-0.420	0.046	-9.041	0.000	-0.712	0.057	-12.392	0	-1.264	0.076	-16.635	0.000
Thresholds	SRA-AR12	-0.420	0.046	-9.041	0.000	-0.712	0.057	-12.392	0	-0.647	0.056	-11.468	0.000
Thresholds	SRA-AR13	-2.159	0.119	-18.196	0.000	-2.075	0.126	-16.477	0	-2.018	0.115	-17.498	0.000
Thresholds	SRA-AR13	-2.159	0.119	-18.196	0.000	-2.075	0.126	-16.477	0	-1.609	0.090	-17.869	0.000
Thresholds	SRA-AR13	-2.159	0.119	-18.196	0.000	-2.075	0.126	-16.477	0	-0.977	0.063	-15.498	0.000
Thresholds	SRA-AR13	-2.159	0.119	-18.196	0.000	-1.740	0.097	-18.016	0	-2.018	0.115	-17.498	0.000
Thresholds	SRA-AR13	-2.159	0.119	-18.196	0.000	-1.740	0.097	-18.016	0	-1.609	0.090	-17.869	0.000
Thresholds	SRA-AR13	-2.159	0.119	-18.196	0.000	-1.740	0.097	-18.016	0	-0.977	0.063	-15.498	0.000
Thresholds	SRA-AR13	-2.159	0.119	-18.196	0.000	-1.213	0.081	-14.994	0	-2.018	0.115	-17.498	0.000

paramHeader	param	est_T1	se_T1	est_se_T1	pval_T1	est_T2	se_T2	est_se_T2	pval_T2	est_T3	se_T3	est_se_T3	pval_T3
Thresholds	SRA-AR13	-2.159	0.119	-18.196	0.000	-1.213	0.081	-14.994	0	-1.609	0.090	-17.869	0.000
Thresholds	SRA-AR13	-2.159	0.119	-18.196	0.000	-1.213	0.081	-14.994	0	-0.977	0.063	-15.498	0.000
Thresholds	SRA-AR13	-1.499	0.085	-17.710	0.000	-2.075	0.126	-16.477	0	-2.018	0.115	-17.498	0.000
Thresholds	SRA-AR13	-1.499	0.085	-17.710	0.000	-2.075	0.126	-16.477	0	-1.609	0.090	-17.869	0.000
Thresholds	SRA-AR13	-1.499	0.085	-17.710	0.000	-2.075	0.126	-16.477	0	-0.977	0.063	-15.498	0.000
Thresholds	SRA-AR13	-1.499	0.085	-17.710	0.000	-1.740	0.097	-18.016	0	-2.018	0.115	-17.498	0.000
Thresholds	SRA-AR13	-1.499	0.085	-17.710	0.000	-1.740	0.097	-18.016	0	-1.609	0.090	-17.869	0.000
Thresholds	SRA-AR13	-1.499	0.085	-17.710	0.000	-1.740	0.097	-18.016	0	-0.977	0.063	-15.498	0.000
Thresholds	SRA-AR13	-1.499	0.085	-17.710	0.000	-1.213	0.081	-14.994	0	-2.018	0.115	-17.498	0.000
Thresholds	SRA-AR13	-1.499	0.085	-17.710	0.000	-1.213	0.081	-14.994	0	-1.609	0.090	-17.869	0.000
Thresholds	SRA-AR13	-1.499	0.085	-17.710	0.000	-1.213	0.081	-14.994	0	-0.977	0.063	-15.498	0.000
Thresholds	SRA-AR13	-0.975	0.064	-15.341	0.000	-2.075	0.126	-16.477	0	-2.018	0.115	-17.498	0.000
Thresholds	SRA-AR13	-0.975	0.064	-15.341	0.000	-2.075	0.126	-16.477	0	-1.609	0.090	-17.869	0.000
Thresholds	SRA-AR13	-0.975	0.064	-15.341	0.000	-2.075	0.126	-16.477	0	-0.977	0.063	-15.498	0.000

paramHeader	param	est_T1	se_T1	est_se_T1	pval_T1	est_T2	se_T2	est_se_T2	pval_T2	est_T3	se_T3	est_se_T3	pval_T3
Thresholds	SRA-AR13	-0.975	0.064	-15.341	0.000	-1.740	0.097	-18.016	0	-2.018	0.115	-17.498	0.000
Thresholds	SRA-AR13	-0.975	0.064	-15.341	0.000	-1.740	0.097	-18.016	0	-1.609	0.090	-17.869	0.000
Thresholds	SRA-AR13	-0.975	0.064	-15.341	0.000	-1.740	0.097	-18.016	0	-0.977	0.063	-15.498	0.000
Thresholds	SRA-AR13	-0.975	0.064	-15.341	0.000	-1.213	0.081	-14.994	0	-2.018	0.115	-17.498	0.000
Thresholds	SRA-AR13	-0.975	0.064	-15.341	0.000	-1.213	0.081	-14.994	0	-1.609	0.090	-17.869	0.000
Thresholds	SRA-AR13	-0.975	0.064	-15.341	0.000	-1.213	0.081	-14.994	0	-0.977	0.063	-15.498	0.000

The explanations of the summary item statistics by each subscale are as follows (if table is printed):

raw.r : The correlation of each item with the total score, not corrected for item overlap

std.r : The correlation of each item with the total score (not corrected for item overlap) if the items were all standardized

r.cor : Item whole correlation corrected for item overlap and scale reliability

r.drop: Item whole correlation for this item against the scale without this item

mean : The mean of each item

sd : The standard deviation of each item

Table 15: Summary item statistics by each subscale

item	n	raw.r	std.r	r.cor	r.drop	mean	sd
wave: T1							
subscale: SRA-AR							
SRA-AR1_1	1,582	0.749	0.730	0.716	0.675	3.173	1.009
SRA-AR2_1	1,582	0.682	0.658	0.630	0.593	3.165	1.019
SRA-AR3_1	1,582	0.748	0.724	0.712	0.672	3.056	1.043
SRA-AR4_1	1,582	0.722	0.719	0.698	0.649	3.353	0.938
SRA-AR5_1	1,582	0.654	0.651	0.614	0.567	3.286	0.947

item	n	raw.r	std.r	r.cor	r.drop	mean	sd
SRA-AR6_1	1,582	0.526	0.542	0.486	0.444	3.521	0.739
SRA-AR7_1	1,582	0.641	0.645	0.604	0.567	3.449	0.802
SRA-AR8_1	1,582	0.646	0.646	0.605	0.567	3.427	0.845
SRA-AR9_1	1,582	0.403	0.401	0.318	0.294	2.843	0.860
SRA-AR10_1	1,582	0.627	0.627	0.584	0.545	3.044	0.856
SRA-AR11_1	1,582	0.494	0.520	0.459	0.410	3.666	0.737
SRA-AR12_1	1,582	0.699	0.708	0.682	0.632	3.502	0.822
SRA-AR13_1	1,582	0.492	0.527	0.463	0.423	3.765	0.606
wave: T2							
SRA-AR1_2	1,395	0.782	0.773	0.762	0.725	3.487	0.871
SRA-AR2_2	1,395	0.749	0.739	0.723	0.687	3.416	0.847
SRA-AR3_2	1,395	0.788	0.777	0.768	0.729	3.363	0.913
SRA-AR4_2	1,395	0.739	0.734	0.713	0.676	3.530	0.832
SRA-AR5_2	1,395	0.764	0.762	0.745	0.703	3.520	0.857

item	n	raw.r	std.r	r.cor	r.drop	mean	sd
SRA-AR6_2	1,395	0.548	0.554	0.495	0.471	3.606	0.699
SRA-AR7_2	1,395	0.676	0.677	0.639	0.608	3.504	0.761
SRA-AR8_2	1,395	0.740	0.742	0.719	0.682	3.595	0.771
SRA-AR9_2	1,395	0.435	0.426	0.357	0.327	2.764	0.846
SRA-AR10_2	1,395	0.645	0.639	0.601	0.568	3.062	0.811
SRA-AR11_2	1,395	0.558	0.573	0.522	0.482	3.705	0.689
SRA-AR12_2	1,395	0.669	0.681	0.647	0.606	3.649	0.698
SRA-AR13_2	1,395	0.620	0.644	0.601	0.569	3.835	0.530
wave: T3							
SRA-AR1_3	1,401	0.785	0.773	0.759	0.730	3.358	0.894
SRA-AR2_3	1,401	0.754	0.739	0.717	0.690	3.299	0.923
SRA-AR3_3	1,401	0.832	0.819	0.815	0.784	3.298	0.935
SRA-AR4_3	1,401	0.777	0.772	0.758	0.724	3.509	0.834
SRA-AR5_3	1,401	0.770	0.770	0.753	0.716	3.520	0.836

item	n	raw.r	std.r	r.cor	r.drop	mean	sd
SRA-AR6_3	1,401	0.642	0.658	0.615	0.588	3.685	0.602
SRA-AR7_3	1,401	0.702	0.703	0.669	0.641	3.451	0.767
SRA-AR8_3	1,401	0.725	0.728	0.700	0.670	3.567	0.752
SRA-AR9_3	1,401	0.381	0.381	0.308	0.283	2.699	0.783
SRA-AR10_3	1,401	0.651	0.650	0.611	0.580	3.007	0.792
SRA-AR11_3	1,401	0.685	0.696	0.667	0.625	3.685	0.730
SRA-AR12_3	1,401	0.781	0.786	0.771	0.736	3.594	0.748
SRA-AR13_3	1,401	0.642	0.663	0.622	0.591	3.775	0.584

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