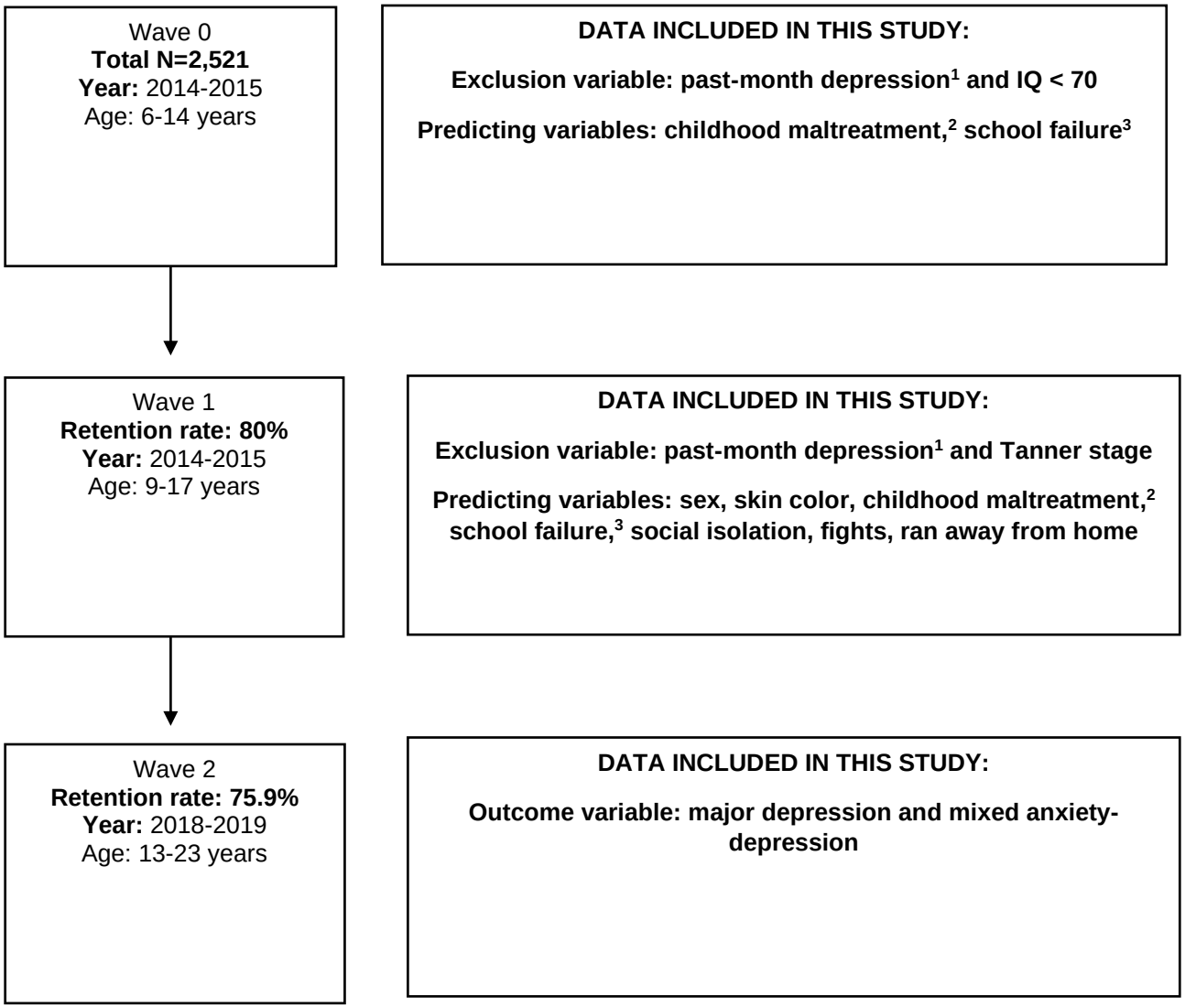
http://doi.org/10.47626/1516-4446-2022-2775
Identifying Depression Early in Adolescence: assessing the performance of a risk score for future onset of depression in an independent Brazilian sample – Cunha GR et al.

Figure S1 Flow chart showing selection of the final sample of the BHRC study included in the analysis



1. Depression assessment referred to the preceding month as per DAWBA. Assessments at wave 1 and wave 0 were combined to rule out depression at both times.
2. Questions regarding childhood maltreatment at Wave 1 only investigated events occurring in the 3 years between Wave 1 and 0, so the data collected at Wave 0 were included to determine lifetime prevalence of childhood maltreatment.
3. Question regarding school failure at Wave 1 only investigated events occurring in the 3 years between Wave 1 and 0, so the data collected at Wave 0 were included to determine lifetime prevalence of school failure.

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Table S1 Description of predictors and depression outcome measures in the Pelotas cohort and matching variables in the Brazilian High-Risk Cohort (BHRC) dataset

No.	Pelotas cohort predictors and description	Categories for questions asked in Pelotas	Prevalence in Pelotas cohort N=2192 n (%)	Matching variable available in BHRC dataset?	BHRC cohort matching predictor variable and description	Categories for questions asked in the BHRC cohort	Prevalence in BHRC dataset N=1442 n (%)
1	**Sex**	***Male***	***977 (44.6)***	Yes	**Sex**†	***Male***	***841 (58.3)***
		Female	1215 (55.4)			Female	601 (41.7)
2	**Skin color**	***White***	***1478 (67.4)***	No	**Skin color**†	***White***	***790 (54.8)***
	Self-assigned skin color	Non-white	714 (32.6)		Self-assigned skin color	Non-white	645 (44.7)
3	**Childhood maltreatment**‡	***None***	***1539 (70.2)***	Partially	**Childhood maltreatment**†	***None***	***882 (61.2)***
	Responses to seven dichotomous questions on lifetime exposure to emotional, physical, or sexual abuse and child neglect at age 15 years old:	*(No positive responses)*			Responses to 4 questions regarding lifetime exposure to domestic violence, physical abuse and or neglect:	*After adding all four scores 0 -> 0 zero positive answers=none*	
	1. Have you ever been separated from your parents to be cared for by someone else?	Probable (1 positive response)	390 (17.8)		1. Have you been cursed by some adult with words like ass, idiot, stupid?	Probable	344 (23.9)
	2. Were there ever fights with physical aggression between adults or an adult who assaulted a child or teenager in your home?	Severe (2 or more positive responses)	263 (12.0)		2. In a time of difficulty, have you ever didn't have anything to eat inside the house and / or had to wear dirty or torn clothes?	*After adding all four scores 1 ->1 positive=probable*	
	3. Was there ever a time when there was not enough food at home, or you wore dirty or torn clothes because you had no other?				3. Have you ever been seriously beaten by an adult in the home, leaving you injured or with marks on your body?	Severe	216 (15.0)
	4. Have you ever thought or felt that your parents wished you were never born?				4. IN THE LAST 3 YEARS, did anyone happen to do sexual things to you or threaten to hit you or something like that if you didn't do sexual things?	*After adding all four scores 2 or more -> 2 =severe*	
	5. Have you ever thought or felt that someone in your family hated you?				0 Never true -> 0 1 Rarely true -> 0 2 Sometimes true -> 1 3 Often true -> 1 4 Very Often true -> 1		
	6. Has an adult in your family or someone who was taking care of you ever beat you in a way that has hurt you or left you with marks?						
	7. Has someone ever tried to touch you in a sexual way, or tried to make you touch them against your will, threatening you or hurting you?						

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No.	Pelotas cohort predictors and description	Categories for questions asked in Pelotas	Prevalence in Pelotas cohort N=2192 n (%)	Matching variable available in BHRC dataset?	BHRC cohort matching predictor variable and description	Categories for questions asked in the BHRC cohort	Prevalence in BHRC dataset N=1442 n (%)
4	**School failure**	***No school failure*** *(Child progressed to next level if achieved predetermined score at end of school year).*	***1065 (48.6)***	Yes	**School failure**[†] Have you ever repeated a class?	***No school failure*** *(Never repeated a class)*	***947 (65.7)***
		Failing at school (Child was retained in school to repeat the same school year if failed to achieve a predetermined score at end of school year).	1127 (51.4)			Failing at school (Yes, repeated a class)	493 (34.2)
5	**Social isolation**	***No social isolation*** *(Normally meets up with friends to chat, play or do other things)*	***1961 (89.5)***	Yes	**Social isolation**[§] 1. Responses to questions "What is [Name] like at making friends?" (Dawba Friendships Questionnaire) Finds it harder than average = 1 About average = 0	***No social isolation*** *(*About average and finds it easier than average*)*	***1,247 (86.7)***
		Yes social isolation (Does not normally meet up with friends to chat, play or do other things)	231 (10.5)		Finds it easier than average = 0	Yes social isolation (Finds it harder than average)	191 (13.3)

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6	**Fights**	***No*** *(Never got into a physical fight that someone got hurt in the last year)*	***1981 (90.4)***	Yes	**Fights**§ (Combination of 2 variables: 1. Answer to question from SDQ "Often fights with other youth or bullies them" Not true = 0 Somewhat True = 1 Certainly True = 1 2. Answer to question from CBCL "Gets in many fights" Not true 0 Somewhat or sometimes True 1 After adding the two variables 0 or 1 = 0 2 = 1)	***No*** *(Not often fights with other youth or bullies them* ***OR*** *Doesn't get in many fights)*	***1,386 (96.1)***
		Yes (Got into a physical fight that someone got hurt in the last year)	211 (9.6)			Yes (Often fights with other youth or bullies them **AND** Get in many fights)	56 (3.9)
7	**Ran away from home**	***No*** *(Never ran away from home)*	***2112 (96.4)***	Yes	**Ran away from home**† (Have you ever run away from home?) Not true = 0 Somewhat or sometimes true = 1 Very True or often true = 1	***No*** *(Never ran away from home)*	***1,407 (97.6)***
		Yes (Ran away from home)	80 (3.6)			Yes (Ran away from home)	35 (2.4)
8	**Drug use** Responses to dichotomous questions about lifetime use of alcohol, tobacco, cannabis, cocaine, and inhalants.	***No*** *(Otherwise)*	***825 (37.6)***	Yes	**Drug use**† (Combined variable using responses to dichotomous questions about any lifetime use of alcohol, tobacco, cannabis, cocaine, and inhalants; any positive answer="1"; otherwise="0"	***No*** *(Does not use alcohol, cigarettes, or marijuana)*	***1,191 (82.6)***
		Yes (Any positive answer)	1367 (62.4)			Yes (Uses alcohol, cigarettes, or marijuana)	251 (17.4)
9	**Relationship with mother** Responses to question on 'How do you rate your relationship with your mother'.	***Great*** Very good, Good, Fair, or Poor	***1417 (64.6)*** 1173 (53.5)	No	n/a	N/A N/A	N/A N/A

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10	**Relationship with father** Responses to question on 'How do you rate your relationship with your father'.	***Great*** Very good, Good, Fair, or Poor	***1019 (46.5)*** 1173 (53.5)	No	n/a	N/A N/A	N/A N/A
11	**Relationship between parents** Responses to question on 'How do you rate the relationship between your mother and father'.	***Great*** Very good, Good, Fair, or Poor	***886 (40.4)*** 1306 (59.6)	No	n/a	N/A N/A	N/A N/A
Total Predictors	11/11			7/11			
OUTCOME							
	Depression diagnosis at age 18 Evaluation of depressive episode diagnosis with DSM-IV-TR criteria in the previous two weeks.[||]	***No*** Yes	***2123 (96.9)*** 69 (3.1)	Yes	**Depression diagnosis** Evaluation of depressive episode (major depressive disorder, other depressive episode, or any undifferentiated anxiety/depression disorder) in the past 2 weeks using the DAWBA.	***No*** Yes	***1063 (87.6)*** 158 (13)

Reference category of each variable are in bold italics.

[†] Self-report.

[‡] Questions on childhood maltreatment asked in the Pelotas 15-year assessment (Rocha et al., 2015).

[§] Informant: caregiver.

[||] In Pelotas, trained psychologists diagnosed adolescents using a tool adapted from the MINI International Neuropsychiatric Interview (Amorim, 2000).