

Table A1. Items by final tier level and within-country tier level in Caregiver Report Questionnaire.

Domain	Item	Final tier	Number of countries in which item was placed as in tier				Total number of countries
			1	2	3	4	
Literacy	1. Names at least ten letters.	2	3	1	1	0	5
Literacy	2. Reads four simple words.	2	2	0	1	0	3
Literacy	3. Reads/follows the text in a correct direction from left to right and from top to bottom? (even if they cannot read)	1	4	0	0	0	4
Literacy	4. Writes at least three letters or some letters in his/her name	1	4	0	0	0	4
Literacy	5. Writes a simple word	1	3	1	0	0	4
Numeracy	6. Can count from 1 to 10	3	1	0	3	0	4
Numeracy	7. Can count from 1 to 20	1	4	0	0	0	4
Numeracy	8. Knows the difference between tall and short using two animal examples.	2	3	2	1	0	6
Numeracy	9. Knows the difference between heavy and light using two animal examples.	3	4	0	1	1	6
Numeracy	10. Can tell if it is yesterday, today, or tomorrow	1	3	1	0	0	4
Numeracy	11. Knows that a one-digit number is more than another one-digit number (e.g., 4 is more than 2).	1	4	0	0	0	4
C&SE	12. Pays attention when doing an activity.	2	1	1	0	0	2
C&SE	13. When asked to do several things, remembers all the instructions.	2	3	0	3	0	6
C&SE	14. S/he is able to plan ahead.	2	1	3	1	0	5
C&SE	15. Stops an activity when told to do so.	3	2	2	3	0	7
C&SE	16. Keeps working at something until s/he is finished.	2	2	1	4	0	7
C&SE	17. Gets along with other children s/he plays with.	3	0	2	3	1	6
C&SE	18. Adjusts easily to transitions (for example, to a new teacher or classroom).	2	2	1	2	0	5
C&SE	19. Accepts responsibility for his/her actions.	3	3	2	1	1	7
C&SE	20. Settles down after periods of exciting activity.	3	1	1	4	0	6

Note: "C&SE" refers to the Cognitive & Social-emotional Competencies development domain.

Table A2. Items by final tier level and within-country tier level in Child Direct Assessment.

Domain	Task and Item.	Final tier	Number of countries in which item was placed as in tier				Total number of countries
			1	2	3	4	
Literacy 1	Letter identification; Letter1	1	7	1	1	0	9
Literacy 2	Letter identification; Letter2	1	6	0	2	0	8
Literacy 3	Letter identification; Letter3	1	8	2	0	0	10
Literacy 4	Letter identification; Letter4	1	7	1	1	0	9
Literacy 5	Letter identification; Letter5	1	8	1	1	0	10
Literacy 6	Letter identification; Letter6	1	7	2	1	0	10
Literacy 7	Letter identification; Letter7	1	8	2	0	0	10
Literacy 8	Letter identification; Letter8	1	4	1	1	0	6
Literacy 9	Letter identification; Letter9	1	7	2	1	0	10
Literacy 10	Letter identification; Letter10	2	2	2	1	0	5
Literacy 11	Letter identification; Letter11	1	9	0	0	1	10
Literacy 12	Letter identification; Letter12	1	7	1	1	0	9
Literacy 13	Letter identification; Letter13	1	8	1	1	0	10
Literacy 14	Letter identification; Letter14	2	8	1	1	0	10
Literacy 15	Letter identification; Letter15	1	7	1	0	0	8
Literacy 16	Letter identification; Letter16	2	5	1	1	0	7
Literacy 17	Letter identification; Letter17	1	6	0	0	0	6
Literacy 18	Listening comprehension; Q1	3	1	3	4	2	10
Literacy 19	Listening comprehension; Q2	3	3	3	2	2	10
Literacy 20	Listening comprehension; Q3	3	2	3	5	0	10
Literacy 21	Listening comprehension; Q4	3	1	2	6	1	10
Literacy 22	Initial sound discrimination; Q1	3	3	1	0	2	6
Literacy 23	Initial sound discrimination; Q2	2	1	4	0	1	6
Literacy 24	Initial sound discrimination; Q3	2	1	1	0	0	2
Literacy 25	Letter sound identification; Q1	3	0	1	0	1	2
Literacy 26	Letter sound identification; Q2	2	0	2	0	0	2
Literacy 27	Name writing	2	5	0	1	1	7
Numeracy 28	Number Comparison	2	6	0	1	1	8
Numeracy 29	Number Identification, Q1	1	8	1	1	0	10

Numeracy 30	Number Identification, Q2	1	6	3	1	0	10
Numeracy 31	Number Identification, Q3	1	6	1	3	0	10
Numeracy 32	Number Identification, Q4	1	9	0	1	0	10
Numeracy 33	Number Identification, Q5	1	9	0	1	0	10
Numeracy 34	Number Identification, Q6	1	7	0	2	0	9
Numeracy 35	Number Identification, Q7	1	8	0	2	0	10
Numeracy 36	Number Identification, Q8	1	8	1	0	0	9
Numeracy 37	Number Identification, Q9	1	7	1	0	0	8
Numeracy 38	Number Identification, Q10	1	8	1	0	0	9
Numeracy 39	Producing a set, Q1	1	7	2	0	0	9
Numeracy 40	Producing a set, Q2	1	2	0	0	0	2
Numeracy 41	Producing a set, Q3	1	10	0	0	0	10
Numeracy 42	Simple addition, Q1	1	5	0	0	0	5
Numeracy 43	Simple addition, Q2	1	10	0	0	0	10
Numeracy 44	Simple addition, Q3	1	4	0	0	0	4
Numeracy 45	Simple addition, Q4	1	3	0	0	0	3
Numeracy 46	Simple subtraction	1	1	1	0	0	2
Numeracy 47	Mental transformation; Q1	3	2	1	2	1	6
Numeracy 48	Mental transformation; Q2	3	1	0	4	1	6
Numeracy 49	Mental transformation; Q3	2	2	4	0	0	6
Numeracy 50	Naming shapes Q1	2	2	1	0	1	4
Numeracy 51	Naming shapes Q2	2	3	1	0	0	4
Numeracy 52	Naming shapes Q3	1	4	0	0	0	4
Numeracy 53	Object spatial position identification: Q1	3	7	1	1	1	10
Numeracy 54	Object spatial position identification: Q2	1	6	1	2	1	10
Numeracy 55	Object spatial position identification: Q3	2	7	1	1	1	10
Numeracy 56	Object spatial position identification: Q4	1	6	1	0	0	7
EF 57	Head, Shoulders, Knees, Toes, Q1	2	5	1	0	1	7
EF 58	Head, Shoulders, Knees, Toes, Q2	1	6	0	1	0	7
EF 59	Head, Shoulders, Knees, Toes, Q3	2	4	3	0	0	7
EF 60	Head, Shoulders, Knees, Toes, Q4	2	4	2	1	0	7
EF 61	Head, Shoulders, Knees, Toes, Q5	2	4	2	1	0	7

EF 62	Head, Shoulders, Knees, Toes, Q6	2	6	1	0	0	7
EF 63	Head, Shoulders, Knees, Toes, Q7	2	6	1	0	1	8
EF 64	Head, Shoulders, Knees, Toes, Q8	2	5	1	0	1	7
EF 65	Head, Shoulders, Knees, Toes, Q9	2	6	0	0	1	7
EF 66	Head, Shoulders, Knees, Toes, Q10	2	6	0	0	1	7
EF 67	Head, Shoulders, Knees, Toes, Q11	3	2	4	0	1	7
EF 68	Head, Shoulders, Knees, Toes, Q12	1	4	2	1	0	7
EF 69	Pencil Tap, Q1	1	3	0	0	0	3
EF 70	Pencil Tap, Q2	1	3	0	0	0	3
EF 71	Pencil Tap, Q3	1	3	0	0	0	3
EF 72	Pencil Tap, Q4	1	3	0	0	0	3
EF 73	Pencil Tap, Q5	1	3	0	0	0	3
EF 74	Pencil Tap, Q6	1	3	0	0	0	3
EF 75	Pencil Tap, Q7	1	3	0	0	0	3
EF 76	Pencil Tap, Q8	1	3	0	0	0	3
EF 77	Pencil Tap, Q9	1	3	0	0	0	3
EF 78	Pencil Tap, Q10	1	3	0	0	0	3
EF 79	Pencil Tap, Q11	1	2	1	0	0	3
EF 80	Pencil Tap, Q12	1	2	0	1	0	3
EF 81	Backward Digit Span (3 items)	3	4	1	1	2	8
EF 82	Forward Digit Span (4 items)	1	6	4	0	0	10
EF 83	Forward Digit Span (5 items)	1	8	1	1	0	10
SE 84	Identifying emotion	1	4	2	1	0	7

Note: "EF" refers to the Executive Functioning Developmental Domain and "SE" refers to the Social-emotional Competencies development domain.

Table A3. Average item-level statistics for core items in Caregiver Report Questionnaire.

Item	1	2	3	4	5	6	7	8	9	10	11
Literacy 1	.51 (.09)	.43 (.30)	.83 (.12)	.47 (.17)	.36 (.41)	.68 (.14)	.43 (.91)	8.00 (1.76)	-.51 (1.62)	2.15 (.92)	-.13 (.79)
Literacy 2		.77 (.21)	.79 (.09)	.43 (.16)	.47 (.16)	.69 (.13)	.04 (.02)		-2.14 (1.57)	2.06 (.97)	-1.35 (1.25)
Literacy 3		.55 (.18)	.80 (.08)	.49 (.08)	.53 (.12)	.73 (.07)	.09 (.07)		-.28 (1.31)	1.57 (.37)	-.23 (.65)
Literacy 4		.68 (.17)	.87 (.10)	.55 (.10)	.59 (.11)	.84 (.08)	.08 (.04)		-1.23 (1.15)	2.78 (.92)	-.62 (.57)
Literacy 5		.34 (.14)	.98 (.02)	.67 (.02)	.61 (.06)	.88 (.08)	.09 (.06)		1.26 (1.41)	4.91 (.88)	.47 (.44)
Numeracy 6		.85 (.16)	.66 (.46)	.41 (.17)	.45 (.20)	.74 (.20)	.07 (.02)		-2.79 (1.38)	1.93 (.55)	-1.74 (.98)
Numeracy 7		.56 (.14)	.84 (.12)	.43 (.10)	.54 (.14)	.78 (.13)	.07 (.05)		-.38 (.87)	1.72 (.48)	-.28 (.53)
Numeracy 8	.07 (.04)	.82 (.14)	.66 (.31)	.36 (.16)	.49 (.19)	.55 (.14)	.68 (1.02)	1.25 (.17)	-2.43 (1.64)	1.82 (.25)	-1.18 (1.15)
Numeracy 9	.28 (.03)	.72 (.20)	.66 (.28)	.31 (.18)	.40 (.12)	.52 (.18)	.53 (1.17)	.69 (.47)	-2.13 (1.52)	1.60 (.58)	-1.26 (1.48)
Numeracy 10		.78 (.15)	.83 (.15)	.38 (.10)	.42 (.11)	.61 (.20)	.07 (.05)		-2.01 (1.13)	1.70 (.73)	-1.19 (.68)
Numeracy 11		.69 (.22)	.90 (.10)	.56 (.12)	.58 (.11)	.83 (.15)	.06 (.05)		-1.29 (1.56)	5.99 (6.08)	-.65 (.66)
C&SE 12	.10 (.03)	.50 (.05)	.61 (.12)	.48 (.15)	.49 (.11)	.62 (.14)	-.05 (.37)	1.89 (1.05)			.12 (.00)
C&SE 13	.06 (.03)	.46 (.08)	.44 (.23)	.33 (.12)	.40 (.17)	.39 (.16)	.12 (.28)	1.06 (.31)	.78 (.00)	.87 (.00)	.33 (.43)
C&SE 14	.28 (.11)	.34 (.10)	.51 (.16)	.34 (.07)	.45 (.17)	.38 (.18)	2.19 (1.83)	.70 (.09)	.17 (.00)	1.28 (.00)	.26 (.11)
C&SE 15	.10 (.06)	.43 (.07)	.46 (.12)	.27 (.09)	.31 (.20)	.33 (.20)	.30 (.60)	.77 (.20)	.96 (.00)	.98 (.00)	.33 (.40)
C&SE 16	.09 (.08)	.51 (.15)	.52 (.13)	.37 (.11)	.40 (.17)	.42 (.25)	.40 (1.87)	1.42 (.51)	-.01 (.00)	1.05 (.00)	.09 (.10)
C&SE 17	.03 (.02)	.76 (.12)	.45 (.19)	.28 (.12)	.34 (.24)	.32 (.31)	-.69 (1.06)	1.16 (.50)	-1.37 (.00)	1.36 (.00)	-.33 (.64)
C&SE 18	.14 (.04)	.49 (.19)	.43 (.20)	.31 (.11)	.38 (.23)	.35 (.24)	1.01 (1.35)	.67 (.34)	-.84 (.00)	1.10 (.00)	-.31 (.63)
C&SE 19	.14 (.08)	.53 (.11)	.53 (.18)	.37 (.14)	.43 (.20)	.47 (.28)	.52 (.98)	1.12 (.83)	-.35 (.00)	1.17 (.00)	.06 (.25)
C&SE 20	.16 (.17)	.42 (.18)	.52 (.16)	.30 (.19)	.34 (.19)	.43 (.20)	.79 (1.10)	1.40 (1.99)	.01 (.00)	1.33 (.00)	.07 (.07)

Note: "C&SE" refers to the Cognitive & Social-emotional Competencies development domain. Numbered columns list average item-level statistics across countries 1 to 12, the numbers within parenthesis are the standard deviations of those statistics. Column 1 refers to the proportion of cases answering incorrectly and ordinal item, column 2 to the proportion of cases answer correctly a dichotomous or an ordinal item, column 3 to the correlation item-domain, column 4 to the correlation item-domain correlation with the item removed from the total domain score, column 5 to the item-test total score correlation, column 6 to the standardized factor loading for item on the latent developmental domain, column 7 to the logistic or ordinal logistic regression coefficient of the child's age on the item probability of being answered correctly, column 8 to the discrimination parameter of the IRT Graded Response Model, column 9 to the difficulty parameter of the IRT Rasch model, and columns 10 and 11 to the discrimination and difficulty parameters of the 2-PL IRT model, respectively.

Table A4. Average item-level statistics for core items in Child Direct Assessment.

Item	1	2	3	4	5	6	7	8	9
Literacy 1	0.5 (0.2)	0.67 (0.18)	0.49 (0.11)	0.63 (0.13)	0.64 (0.13)	0.1 (0.19)	0.18 (1.51)	2.85 (1.5)	0.1 (0.75)
Literacy 2	0.48 (0.3)	0.71 (0.17)	0.47 (0.17)	0.6 (0.15)	0.58 (0.12)	0.07 (0.11)	1.32 (2.51)	3.5 (1.49)	0.68 (1.01)
Literacy 3	0.58 (0.26)	0.71 (0.22)	0.51 (0.18)	0.61 (0.13)	0.6 (0.16)	0.05 (0.08)	0.22 (1.37)	3.82 (2.5)	0.31 (0.72)
Literacy 4	0.45 (0.24)	0.79 (0.16)	0.59 (0.14)	0.66 (0.11)	0.65 (0.18)	0.06 (0.08)	1.17 (1.53)	4.6 (2.03)	0.72 (0.57)
Literacy 5	0.46 (0.27)	0.74 (0.15)	0.59 (0.15)	0.66 (0.16)	0.65 (0.18)	0.06 (0.08)	1.17 (1.73)	4.61 (1.44)	0.69 (0.62)
Literacy 6	0.47 (0.27)	0.74 (0.2)	0.55 (0.15)	0.63 (0.13)	0.63 (0.17)	0.05 (0.05)	1.13 (1.73)	4.66 (2.82)	0.67 (0.64)
Literacy 7	0.57 (0.29)	0.75 (0.19)	0.53 (0.2)	0.64 (0.12)	0.61 (0.14)	0.07 (0.13)	0.23 (1.72)	4.47 (2.78)	0.38 (0.75)
Literacy 8	0.55 (0.17)	0.65 (0.12)	0.51 (0.11)	0.54 (0.08)	0.48 (0.06)	0.08 (0.16)	0.84 (1.05)	3.53 (0.9)	0.7 (0.46)
Literacy 9	0.37 (0.2)	0.76 (0.16)	0.64 (0.13)	0.74 (0.11)	0.73 (0.12)	0.1 (0.17)	0.96 (1.35)	3.98 (2.61)	0.48 (0.59)
Literacy 10	0.61 (0.15)	0.62 (0.04)	0.43 (0.11)	0.49 (0.07)	0.41 (0.09)	0.11 (0.22)	0.52 (0.63)	2.68 (0.46)	0.65 (0.35)
Literacy 11	0.51 (0.21)	0.6 (0.23)	0.51 (0.15)	0.71 (0.12)	0.66 (0.18)	0.1 (0.21)	0.06 (1.27)	3.21 (1.1)	0.03 (0.69)
Literacy 12	0.36 (0.18)	0.79 (0.14)	0.66 (0.09)	0.74 (0.14)	0.72 (0.14)	0.15 (0.3)	1.07 (1.36)	3.97 (1.17)	0.52 (0.58)
Literacy 13	0.33 (0.2)	0.79 (0.16)	0.7 (0.08)	0.79 (0.08)	0.76 (0.12)	0.13 (0.25)	1.27 (1.4)	5.44 (4.23)	0.6 (0.61)
Literacy 14	0.4 (0.26)	0.76 (0.23)	0.55 (0.12)	0.71 (0.11)	0.66 (0.11)	0.11 (0.21)	1.19 (1.72)	3.53 (1.06)	0.68 (0.84)
Literacy 15	0.51 (0.16)	0.75 (0.12)	0.56 (0.12)	0.62 (0.1)	0.6 (0.08)	0.08 (0.17)	0.57 (0.85)	4.21 (2.61)	0.49 (0.43)
Literacy 16	0.57 (0.25)	0.64 (0.28)	0.51 (0.18)	0.68 (0.12)	0.63 (0.12)	0.11 (0.15)	0.37 (1.68)	3.64 (1.61)	0.27 (0.86)
Literacy 17	0.57 (0.22)	0.79 (0.12)	0.58 (0.13)	0.61 (0.1)	0.6 (0.13)	0.04 (0.03)	0.27 (1.3)	4.37 (2.12)	0.41 (0.63)
Literacy 18	0.84 (0.11)	0.49 (0.07)	0.28 (0.11)	0.47 (0.08)	0.46 (0.1)	0.09 (0.15)	-2.49 (1.11)	0.9 (0.33)	-2.6 (1.24)
Literacy 19	0.64 (0.17)	0.37 (0.19)	0.3 (0.08)	0.45 (0.11)	0.4 (0.16)	0.04 (0.07)	-0.76 (1.05)	0.78 (0.27)	-0.75 (1.4)
Literacy 20	0.69 (0.14)	0.45 (0.16)	0.3 (0.1)	0.45 (0.09)	0.42 (0.1)	0.06 (0.07)	-1.15 (0.98)	0.76 (0.33)	-1.38 (0.89)
Literacy 21	0.55 (0.16)	0.36 (0.13)	0.31 (0.1)	0.43 (0.08)	0.39 (0.12)	0.03 (0.04)	-0.3 (0.96)	0.7 (0.25)	-0.13 (1.18)
Literacy 22	0.37 (0.23)	0.69 (0.12)	0.46 (0.06)	0.57 (0.07)	0.6 (0.08)	0.13 (0.29)	1.02 (1.18)	1.17 (0.48)	0.76 (1.02)
Literacy 23	0.3 (0.22)	0.6 (0.12)	0.47 (0.1)	0.61 (0.09)	0.6 (0.14)	0.16 (0.34)	1.69 (1.41)	1.26 (0.49)	1.09 (1.12)
Literacy 24	0.28 (0.18)	0.64 (0.2)	0.49 (0.09)	0.6 (0.12)	0.62 (0.15)	0.16 (0.33)	1.85 (1.37)	1.38 (0.57)	1.15 (1)
Literacy 25	0.47 (0.2)	0.44 (0.21)	0.35 (0.19)	0.44 (0.21)	0.46 (0.19)	0.01 (0.01)	0.33 (1.23)	0.72 (0.95)	-4.37 (7.09)
Literacy 26	0.43 (0.09)	0.55 (0.09)	0.43 (0.11)	0.5 (0.1)	0.55 (0.07)	0.01 (0.01)	0.5 (0.64)	0.87 (0.88)	0.3 (0.22)
Literacy 27	0.31 (0.23)	0.51 (0.28)	0.48 (0.23)	0.65 (0.21)	0.56 (0.17)	0.13 (0.14)	1.44 (1.43)	1.43 (0.7)	0.84 (1.15)
Numeracy 28	0.59 (0.1)	0.6 (0.1)	0.41 (0.11)	0.48 (0.16)	0.47 (0.16)	0.08 (0.16)	-0.51 (0.6)	0.91 (0.39)	-0.54 (0.6)
Numeracy 29	0.5 (0.25)	0.94 (0.06)	0.61 (0.11)	0.75 (0.11)	0.75 (0.11)	0.09 (0.18)	0.63 (1.97)	11.13 (7.48)	0.39 (0.86)
Numeracy 30	0.53 (0.26)	0.88 (0.11)	0.56 (0.15)	0.75 (0.14)	0.72 (0.18)	0.11 (0.22)	0.45 (2.05)	4.86 (0.72)	0.36 (0.89)

Numeracy 31	0.73 (0.22)	0.69 (0.27)	0.52 (0.13)	0.75 (0.09)	0.72 (0.08)	0.12 (0.2)	-1.84 (2.01)	3.41 (1.05)	-0.81 (0.94)
Numeracy 32	0.63 (0.25)	0.87 (0.08)	0.63 (0.07)	0.77 (0.11)	0.79 (0.08)	0.08 (0.1)	-0.74 (1.93)	4.2 (1.26)	-0.24 (0.87)
Numeracy 33	0.6 (0.24)	0.88 (0.11)	0.67 (0.08)	0.81 (0.08)	0.82 (0.05)	0.14 (0.24)	-0.58 (1.89)	6.42 (7.05)	-0.21 (0.84)
Numeracy 34	0.68 (0.24)	0.83 (0.12)	0.62 (0.1)	0.77 (0.06)	0.74 (0.08)	0.11 (0.17)	-1.29 (1.91)	4.05 (0.98)	-0.53 (0.88)
Numeracy 35	0.67 (0.23)	0.8 (0.19)	0.61 (0.09)	0.79 (0.07)	0.78 (0.07)	0.12 (0.2)	-1.29 (1.83)	3.86 (1.06)	-0.53 (0.83)
Numeracy 36	0.56 (0.17)	0.91 (0.07)	0.65 (0.06)	0.76 (0.06)	0.75 (0.11)	0.09 (0.18)	0.05 (1.32)	7.17 (4.52)	0.17 (0.74)
Numeracy 37	0.54 (0.26)	0.95 (0.07)	0.63 (0.1)	0.79 (0.11)	0.76 (0.15)	0.04 (0.03)	0.21 (1.72)	9.29 (5.78)	0.26 (0.81)
Numeracy 38	0.55 (0.2)	0.92 (0.1)	0.63 (0.09)	0.77 (0.06)	0.73 (0.11)	0.11 (0.21)	0.16 (1.39)	9.98 (7.62)	0.22 (0.73)
Numeracy 39	0.64 (0.18)	0.79 (0.08)	0.61 (0.09)	0.72 (0.05)	0.65 (0.12)	0.13 (0.19)	-0.94 (1.32)	2.12 (0.39)	-0.49 (0.71)
Numeracy 40	0.7 (0.06)	0.75 (0.08)	0.54 (0.13)	0.67 (0.12)	0.69 (0.11)	0.03 (0.01)	-1.17 (0.55)	1.83 (0.4)	-0.73 (0.31)
Numeracy 41	0.49 (0.2)	0.75 (0.1)	0.56 (0.08)	0.7 (0.1)	0.67 (0.08)	0.12 (0.24)	0.26 (1.31)	1.96 (0.45)	0.18 (0.79)
Numeracy 42	0.74 (0.1)	0.61 (0.16)	0.46 (0.06)	0.62 (0.11)	0.59 (0.09)	0.06 (0.06)	-1.52 (0.82)	1.34 (0.27)	-1.09 (0.62)
Numeracy 43	0.57 (0.14)	0.65 (0.11)	0.54 (0.06)	0.65 (0.08)	0.64 (0.05)	0.1 (0.16)	-0.33 (0.92)	1.45 (0.32)	-0.24 (0.64)
Numeracy 44	0.55 (0.13)	0.65 (0.1)	0.54 (0.07)	0.67 (0.07)	0.67 (0.08)	0.06 (0.06)	-0.27 (0.72)	1.51 (0.37)	-0.16 (0.51)
Numeracy 45	0.36 (0.14)	0.69 (0.13)	0.59 (0.06)	0.65 (0.06)	0.7 (0.03)	0.33 (0.54)	0.92 (0.77)	1.88 (0.41)	0.53 (0.64)
Numeracy 46	0.74 (0.21)	0.42 (0.44)	0.53 (0.03)	0.6 (0.15)	0.64 (0.23)	0.34 (0.41)	-1.53 (1.46)	1.26 (0.29)	-1.31 (1.39)
Numeracy 47	0.35 (0.09)	0.46 (0.21)	0.29 (0.18)	0.4 (0.16)	0.39 (0.23)	0 (0.03)	0.92 (0.56)	0.62 (0.35)	-12.87 (33.91)
Numeracy 48	0.4 (0.06)	0.42 (0.07)	0.26 (0.06)	0.33 (0.1)	0.31 (0.08)	0.01 (0.02)	0.54 (0.34)	0.48 (0.24)	1.72 (2.49)
Numeracy 49	0.55 (0.1)	0.59 (0.14)	0.41 (0.05)	0.47 (0.09)	0.45 (0.1)	0.02 (0.02)	-0.29 (0.58)	0.85 (0.26)	-0.26 (0.45)
Numeracy 50	0.65 (0.15)	0.64 (0.23)	0.46 (0.21)	0.5 (0.2)	0.52 (0.21)	0.11 (0.18)	-0.89 (1.15)	1.11 (0.6)	-0.58 (0.76)
Numeracy 51	0.61 (0.14)	0.67 (0.04)	0.56 (0.14)	0.55 (0.08)	0.58 (0.12)	0.15 (0.27)	-0.54 (1.1)	1.12 (0.33)	-0.52 (0.89)
Numeracy 52	0.59 (0.27)	0.64 (0.08)	0.49 (0.06)	0.5 (0.07)	0.51 (0.03)	0.13 (0.17)	-0.41 (1.97)	1 (0.17)	-0.43 (1.49)
Numeracy 53	0.82 (0.09)	0.51 (0.14)	0.39 (0.11)	0.49 (0.09)	0.47 (0.1)	0.07 (0.13)	-2.23 (0.86)	1 (0.24)	-1.9 (0.58)
Numeracy 54	0.73 (0.13)	0.55 (0.13)	0.4 (0.09)	0.46 (0.11)	0.42 (0.11)	0.04 (0.05)	-1.54 (0.98)	0.94 (0.37)	-1.54 (1.39)
Numeracy 55	0.64 (0.15)	0.6 (0.1)	0.43 (0.08)	0.5 (0.07)	0.47 (0.06)	0.06 (0.12)	-0.61 (0.59)	0.91 (0.22)	-0.56 (0.47)
Numeracy 56	0.61 (0.06)	0.59 (0.12)	0.46 (0.04)	0.51 (0.08)	0.47 (0.06)	0.08 (0.15)	-0.62 (0.38)	0.96 (0.17)	-0.56 (0.36)
EF 57	0.51 (0.09)	0.72 (0.19)	0.53 (0.15)	0.55 (0.14)	0.4 (0.46)	0.04 (0.06)	0.59 (0.66)	2.64 (1.24)	0.27 (0.49)
EF 58	0.52 (0.13)	0.83 (0.17)	0.55 (0.15)	0.58 (0.1)	0.4 (0.51)	0.05 (0.07)	0.54 (0.9)	2.99 (1.31)	0.16 (0.77)
EF 59	0.49 (0.12)	0.79 (0.17)	0.54 (0.15)	0.57 (0.11)	0.38 (0.47)	0.04 (0.04)	0.74 (0.78)	3.1 (1.49)	0.24 (0.72)
EF 60	0.52 (0.1)	0.79 (0.2)	0.53 (0.18)	0.55 (0.13)	0.34 (0.45)	0.04 (0.04)	0.57 (0.72)	3.3 (1.95)	0.04 (1.01)
EF 61	0.52 (0.08)	0.86 (0.18)	0.57 (0.18)	0.58 (0.12)	0.36 (0.5)	0.04 (0.04)	0.56 (0.58)	3.52 (1.88)	0.2 (0.53)
EF 62	0.5 (0.13)	0.82 (0.19)	0.55 (0.17)	0.57 (0.1)	0.39 (0.5)	0.05 (0.08)	0.71 (0.87)	3.04 (1.56)	0.19 (0.84)

EF 63	0.59 (0.28)	0.85 (0.17)	0.46 (0.14)	0.57 (0.25)	0.51 (0.23)	0.09 (0.15)	0.11 (3.17)	2.34 (1.52)	-1.34 (2.48)
EF 64	0.47 (0.27)	0.65 (0.22)	0.47 (0.18)	0.49 (0.3)	0.5 (0.18)	0.06 (0.09)	0.86 (2.8)	2.02 (1.51)	-1.19 (2.87)
EF 65	0.51 (0.24)	0.77 (0.18)	0.48 (0.14)	0.47 (0.37)	0.49 (0.15)	0.08 (0.14)	0.85 (3.05)	3.3 (2.41)	2.87 (8.02)
EF 66	0.52 (0.24)	0.8 (0.19)	0.48 (0.15)	0.55 (0.23)	0.48 (0.18)	0.09 (0.16)	0.82 (3.07)	3.35 (2.73)	-1.99 (4.83)
EF 67	0.56 (0.12)	0.66 (0.25)	0.46 (0.15)	0.5 (0.19)	0.36 (0.4)	0.03 (0.05)	0.32 (0.84)	1.92 (0.9)	0.1 (0.72)
EF 68	0.5 (0.16)	0.65 (0.18)	0.47 (0.13)	0.49 (0.16)	0.36 (0.38)	0.01 (0.03)	0.69 (1.07)	1.97 (0.91)	0.27 (0.97)
EF 69	0.59 (0.04)	0.75 (0.13)	0.63 (0.15)	0.64 (0.19)	0.71 (0.16)	0.04 (0.04)	-0.57 (0.27)	2.06 (0.27)	-0.28 (0.13)
EF 70	0.62 (0.07)	0.85 (0.09)	0.66 (0.17)	0.62 (0.23)	0.69 (0.21)	0.04 (0.03)	-0.77 (0.57)	2.82 (0.87)	-0.36 (0.29)
EF 71	0.59 (0.05)	0.85 (0.1)	0.67 (0.14)	0.68 (0.14)	0.73 (0.1)	0.05 (0.04)	-0.52 (0.21)	2.75 (0.76)	-0.25 (0.1)
EF 72	0.58 (0.07)	0.84 (0.11)	0.67 (0.14)	0.7 (0.16)	0.74 (0.11)	0.06 (0.05)	-0.45 (0.37)	2.7 (0.5)	-0.22 (0.15)
EF 73	0.59 (0.06)	0.79 (0.17)	0.63 (0.17)	0.56 (0.21)	0.6 (0.15)	0.04 (0.03)	-0.59 (0.43)	2.64 (1.08)	-0.29 (0.25)
EF 74	0.62 (0.06)	0.84 (0.08)	0.64 (0.13)	0.6 (0.2)	0.64 (0.16)	0.04 (0.04)	-0.75 (0.47)	3.08 (1.46)	-0.34 (0.26)
EF 75	0.57 (0.05)	0.82 (0.12)	0.68 (0.16)	0.7 (0.17)	0.76 (0.12)	0.06 (0.05)	-0.38 (0.11)	2.53 (0.64)	-0.19 (0.06)
EF 76	0.69 (0.07)	0.86 (0.03)	0.65 (0.09)	0.71 (0.1)	0.71 (0.04)	0.06 (0.04)	-1.26 (0.36)	2.79 (0.41)	-0.55 (0.18)
EF 77	0.64 (0.07)	0.86 (0.15)	0.69 (0.16)	0.71 (0.17)	0.79 (0.14)	0.06 (0.05)	-0.87 (0.37)	3.47 (1.45)	-0.39 (0.16)
EF 78	0.63 (0.07)	0.89 (0.1)	0.68 (0.12)	0.69 (0.19)	0.74 (0.13)	0.06 (0.05)	-0.84 (0.38)	2.93 (0.5)	-0.37 (0.17)
EF 79	0.65 (0.06)	0.86 (0.14)	0.63 (0.16)	0.6 (0.29)	0.61 (0.24)	0.06 (0.05)	-0.98 (0.47)	2.71 (0.41)	-0.43 (0.21)
EF 80	0.64 (0.08)	0.84 (0.17)	0.64 (0.2)	0.62 (0.29)	0.6 (0.22)	0.05 (0.05)	-0.89 (0.58)	2.98 (0.77)	-0.4 (0.26)
EF 81	0.34 (0.16)	0.52 (0.32)	0.4 (0.13)	0.52 (0.18)	0.43 (0.4)	0.03 (0.04)	2.06 (1.35)	1.14 (0.75)	1.42 (1.07)
EF 82	0.55 (0.14)	0.57 (0.22)	0.46 (0.15)	0.52 (0.08)	0.52 (0.41)	0.05 (0.04)	-0.26 (0.95)	1.03 (0.47)	-0.2 (0.75)
EF 83	0.29 (0.16)	0.55 (0.26)	0.48 (0.15)	0.5 (0.08)	0.49 (0.37)	0.03 (0.03)	1.58 (1.21)	2.25 (4.09)	1.29 (1.11)
SE 84	0.74 (0.09)	0.9 (0.08)	0.45 (0.16)	0.48 (0.11)	0.66 (0.08)	0.07 (0.09)	-1.68 (0.83)	1.29 (0.42)	-1.13 (0.46)

Note: "EF" refers to the Executive Functioning Developmental Domain and "SE" refers to the Social-emotional Competencies development domain. Numbered columns list average item-level statistics across countries 1 to 9, the numbers within parenthesis are the standard deviations of those statistics. Column 1 refers to the proportion of cases answer correctly a dichotomous or an ordinal item, column 2 to the correlation item-domain, column 3 to the correlation item-domain correlation with the item removed from the total domain score, column 4 to the item-test total score correlation, column 5 to the standardized factor loading for item on the latent developmental domain, column 6 to the logistic or ordinal logistic regression coefficient of the child's age on the item probability of being answered correctly, column 7 to the difficulty parameter of the IRT Rasch model, columns 8 and 9 to the discrimination and difficulty parameters of the 2-PL IRT model, respectively.

Table B1. Content overlap between core set of items and other child development instruments.

Domains	Number of core items	Number of core items present in:			
		eHCI	IDELA	PRIDI	EAP-ECDS
Caregiver report					
Early Literacy	5	5	NA	1	0
Early Numeracy	6	6	NA	1	1
EF & Social-emotional competencies	9	5	NA	2	2
Direct assessment					
Early Literacy	27	NA	25	0	13
Early Numeracy	29	NA	19	11	7
Executive Functioning	27	NA	7	1	6
Social-emotional competencies	1	NA	1	0	1

Note: "EF" refers to the Executive Functioning Developmental Domain. "eHCI" stands for the early Human Capability Index (Sincovich, Gregory, Zanon, Santos, Lynch, & Brinkman, 2019), "IDELA" for the International Development and Early Learning Assessment (Pisani, Borisova, & Dowd, 2015), PRIDI for the Regional Project on Child Development Indicators (Verdisco et al, 2015), and EAP-ECDS for the East Asia-Pacific Early Child Development Scales (Rao et al., 2014). IDELA includes only a direct assessment of children, eHCI only includes a caregiver report, PRIDI and EAP-ECDS are primarily direct assessment tools, but have accompanying CGV questionnaires.