

Cambodian Development Milestone Assessment tool (cDMAT)

Name:		Child enrolled in (pre-)school?NoYes Unknown		
Birthdate:	/	Highest educational level of the principal caretaker:		
Gender:	FemaleMale	NonePrimarySecondaryAcademic		
Assessment date: _	/	Age at time of assessment: month(s)		

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99 m	Social/personal (start at x months)	Pass	Fail	NA
2	S1 Look at face (0 m)			
5	S2 Brief interest in toy			
5	S3 Cry when appropriate (6 m)			
6	S4 Smile responsively			
6	S5 Smile spontaneously			
6	\$6 Observe object in each hand			
7	S7 Recognize its own hands (9 m)			
7	S8 Explore environment (12 m)			
8	\$9 React to play			
9	\$10 Seek object fallen on floor			
12	S11 Recognize stranger (18 m)			
13	\$12 Anxiety to separate			
14	S13 Play 'chab chaab'			
17	S14 Indicate wants			
17	S15 Hold and drink from cup			
18	S16 Greet with hand clasp (24 m)			
19	\$17 Play 'woh vak-eu'			
22	S18 Imitate activities (30 m)			
26	\$19 Use spoon			
27	S20 Ask to use toilet (36 m)			
30	S21 Point to 2 body parts			
32	S22 Comb hair with help			
34	S23 Put on simple clothes with help			
40	S24 Wash and dry hand			
41	S25 Parallel play w/out sharing (48 m)			
43	S26 Play well with others (sharing)			
45	\$27 Tell own name and gender			
45	S28 Name a friend			
51	\$29 Put on T-shirt without help			
51	\$30 Serve own food			
52	S31 Dress without help ((un)button)			
62	S32 Comb hair without help			
64	S33 Play kid games, wait turns (60 m)			

99 m	Fine motor (start at x months)	Pass	Fail	NA
6	F1 Follow object to midline ≤90° (0 m)			
6	F2 Follow object passed midline (>90°)			
6	F3 Grasp big object (9 m)			
7	F4 Play with own body			
7	F5 Hands together			
8	F6 Follow object 180 degrees (12 m)			
8	F7 Looks at small objects			
10	F8 Reach for red string			
10	F9 Rake lotus seed (1/3) (18 m)			
13	F10 Put object in mouth			
14	F11 Take objects in each hand			
17	F12 Transfer object btw hands (24 m)			
21	F13 Thumb-finger grasp			
21	F14 Put block in cup (30 m)			
23	F15 Bang 2 objects together			
29	F16 Pincer grasp			
29	F17 Tower 2 blocks			
31	F18 Scribble with pencil			
33	F19 Tower 4 blocks			
36	F20 Tower 6 blocks			
36	F21 Lift lid of container (36 m)			
41	F22 Unscrew a jar (48 m)			
41	F23 Make string with ≥3 beads			
42	F24 Take off easy clothes (60 m)			
42	F25 Wiggle one thumb			
48	F26 Imitate vertical line (<30°)			
51	F27 Fold a paper			
61	F28 Zip and unzip			
67	F29 Catch soft ball			
70	F30 Copy circle			
70	F31 Tie single knot			
73	F32 Copy square			

99 m	Language/cognition (start at x months)	Pass	Fail	NA
5	L1 Respond to noise (0 m)			
5	L2 Turn head to sounds (9 m)			
6	L3 Make sounds			
6	L4 Laugh aloud (12 m)			
7	L5 Squeal			
8	L6 Turn head to voice (18 m)			
12	L7 Babble			
16	L8 Respond to his name			
16	L9 Ma or pa (start non-specific)			
19	L10 Say play sound (24 m)			
21	L11 One-step command			
23	L12 Mak/paa/bong (specific) (30 m)			
24	L13 Say ≥1 word beside mak/paa			
30	L14 Two step-command (36 m)			
31	L15 Say words (≥3)			
35	L16 Say words (≥6)			
36	L17 Point to pictures of objects (≥2/5)			
39	L18 Speak half understandably			
39	L19 Name animals (≥1/5)			
39	L20 Say a 3-word phrase			
39	L21 Point to object photos (≥4/5) (48 m)			
42	L22 Three-step command			
44	L23 Name animals (≥4/5)			
47	L24 Know use/action of objects (1/3)			
50	L25 Pick the longest line (3/3)			
51	L26 Know use/action of objects (2/3) (60 m)			
52	L27 Speak understandably			
55	L28 Use pronouns correctly			
56	L29 Know use/action of objects (3/3)			
61	L30 Know 4 animal sounds			
62	L31 Conversation			
63	L32 Count 1 to 5			
69	L33 Name 1/6 colors			

99 m	Gross motor (start at x months)	Pass	Fail	NA
3	G1 Equal movement (0 m)			
5	G2 Lift head (6 m)			
5	G3 Turn head aside laying face down			
5	G4 Head up 45 degrees			
6	G5 Sit up steadily (≥2 sec)			
7	G6 Bear weight on legs (≥2 sec) (9 m)			
8	G7 No head lag when pulled to sit			
8	G8 Roll over (start front to back)			
8	G9 Chest up with arm support			
10	G10 Standing holding on (≥10 sec) (12 m)			
10	G11 Crawl (≥3 moves)			
11	G12 Sit without support (≥10 sec)			
11	G13 Pull up to stand (≥2 sec)			
13	G14 Turn head and trunk in all direction			
13	G15 Getting to sit			
14	G16 Stand alone (≥2 sec) (18 m)			
17	G17 Take steps w/ holding (≥5 steps) (24 m)			
17	G18 Stand alone (≥10 sec)			
17	G19 Walk alone (≥5 steps) (30 m)			
24	G20 Stoop and recover (36 m)			
24	G21 Walk up (≥2 steps)			
25	G22 Run with good balance (≥2 m)			
33	G23 Walk backward (≥2 steps) (48 m)			
39	G24 Jump up with both feet together			
40	G25 Kick ball forward (60 m)			
48	G26 Throw object overhand			
51	G27 Balance on each foot (≥1 sec)			
61	G28 Jump far (>20 cm)			
62	G29 Hop on one foot (≥2 times)			
64	G30 Balance on each foot (≥3 sec)			
65	G31 Straight heel-to-toe walk (≥4 steps)			

Comments / specific observations during the assessment

Instructions

- **1** Collect demographic information on the child and determine the child's <u>age in months.</u>
- 2 Start assessing the child in this order: social/personal, fine motor, language/cognitive, and gross motor. The milestone from where to start in each domain at a specific age in months is indicated in 'start x m'.
- **3** Check 'PASS' if the child passes the skill, 'FAIL' if the child fails the skill and 'NA' when the skill is not assessed (e.g. child is unable to perform or caregiver does not know whether (s)he can perform the skill).
- **4** Apply the <u>4 consecutive Pass rule at the start</u>. If the child fails, assess previous milestones till the skill is passed. The 4 consecutive Fail rule allows the assessor to stop assessing more advanced skills as they are expected to fail all.
- **5** Indicate the child's performance. The value in the 99 m column is the age in months when almost all Khmer children are able to perform the skill.