

The Telemedicine-based INTERGROWTH-21st Project Neurodevelopment Assessment (TELE-INTER-NDA)

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Name of child: _____

Date of birth: __ / __ / ____

Date of assessment: __ / __ / ____

Name of assessor: _____

LEGEND: Assessment technique	
	Direct assessment via caregiver
	Caregiver report
	Concurrent observation

No.	Tele-INTER-NDA item	Observed Performance				
1	Builds a tower of 5 cubes (Direct assessment, maternal demonstration=3, trials=3)	5 cubes	3-4 cubes	2 cubes	No attempt	Unable to assess
3	Matches 3 cubes of same colours (Direct assessment, maternal demonstration=1 of one colour, trials=1)	Matches 3 colours	Matches 2 colours	Matches 1 colour	Does not match any colour	Unable to assess
4	Hands caregiver one cube when asked to do so (Direct assessment, maternal demonstration=0, trials=1)	Hands only one block within 5 seconds	Hands only one block in more than 5 seconds	Hands two or more blocks	Does not hand any block / No attempt	Unable to assess
5	Puts the spoon in the cup when asked to do so (Direct assessment, maternal demonstration=0, trials=5)	Puts the spoon in cup in ≤3 trials	Puts the spoon in cup in 4-5 trials	Takes the spoon or the cup but does not complete action	No attempt	Unable to assess

6	Matches shapes on board (Direct assessment, maternal demonstration=partial, removes shapes only, trials=5)	All shapes in ≤ 3 trials	All shapes with repeated demonstration i.e. 4-5 trials	One or two shapes in 4-5 trials	No attempt	Unable to assess
7	Matches shapes on rotated board (Direct assessment, maternal demonstration=partial, removes shapes only, trials=5)	All shapes in ≤ 3 trials	All shapes with repeated demonstration i.e. 4-5 trials	One or two shapes in 4-5 trials	No attempt	Unable to assess
9	Puts a raisin precisely inside a small opening in a bottle (trials=1, maternal demonstration=1, test both hands)	Precise release of raisin into bottle with each hand	Clumsy release, raisin falls out of bottle with one or more hand	Attempts but unsuccessful release with one or more hand	No attempt	Unable to assess
12	Pretends to drink from a toy cup when placed in front of him/her (trials=2, maternal demonstration=1 if not spontaneous on first attempt)	Spontaneously	After 1 demonstration	Partial attempt after 1 demonstration	No attempt	Unable to assess
13	Able to make a cup of tea with the toy tea set when requested by examiner (Examiner says "Can you make a cup of tea?") (trials=2, maternal demonstration=1 if not spontaneous on first attempt)	Spontaneously, with pouring motion	After 1 demonstration	Partial attempt after 1 demonstration	No attempt	Unable to assess
14	Feeds doll when requested to (Examiner says "Can you give the dolly some tea?") (Trials=2, maternal demonstration=1 if not spontaneous on first attempt)	Spontaneously	After 1 demonstration	Partial attempt after 1 demonstration	No attempt	Unable to assess
15	Imitates straight horizontal scribble (Trials=5, maternal demonstration=5)	≤ 3 trials	4-5 trials; with difficulty	Attempts (hold crayon)	Cannot hold crayon	Unable to assess
16	Identifies glitter bracelet under correct washcloth (Trials=5, maternal demonstration=0, test both sides)	Finds bracelet correctly in ≤ 2 trials on both sides	Find bracelet correctly in 3 trials or on one side only	Find bracelet correctly in 4-5 trials or on one side only	Does not find bracelet or no attempt	Unable to assess

8	Does your child point to objects when asked to show them to you? Give me an example	Identifies door correctly in ≤3 trials	Identifies door correctly in 4-5 trials	Attempts, but does not identify door	No attempt	Unable to assess
2	Does your child name colours? Give me an example of colours your child can name. (caregiver report, do not specify number of colours)	Names 4 colours	Names 3 colours	Names 1 or 2 colours	Does not name any colour	Unable to assess
10	Can your child drink water from a cup or sippy cup without spilling?	Drinks water from cup/sippy cup without spilling	Drinks clumsily & spills	Attempts but unsuccessful	No attempt	Unable to assess
11	When you point to an object, does your child look at the object you have pointed to?	Looks or points at object in ≤3 trials	Looks or points at object in 4-5 trials	Looks at the wrong object, or attempts but cannot identify object	No attempt	Unable to assess
17	Does your child use plurals? Can you give me some examples? (Caregiver report, do not specify number of colours)	Uses 5 plurals	Uses 3-4 plurals	Uses 1-2 plurals	Does not use any plurals	Unable to assess
18	Does your child let you know before he/she needs a wee and a poo? For both? How often? (Caregiver report)	Always	Occasionally	Partial (only for bowel movement)	Never	Unable to assess
19	Can your child run steadily? (Caregiver report)	Runs steadily	Attempts	Walks only	Walks with support	Unable to assess
20	Can your child throw a ball, with good strength, with both hands? (Caregiver report)	Good release	Unsteady release	Attempts	No attempt	Unable to assess
21	Can your child kick a ball with his/her knee flexed in an adult fashion? (Caregiver report)	Kicks ball with knee flexed	Runs after ball & attempts kicking it	Walks and touches ball with foot	No attempt	Unable to assess
22	Can your child climb upstairs without support, 1 foot per stair, in an adult fashion? Does he/she hold on to a railing, the wall or your hand while doing so? Does he/she crawl up on all fours? (Caregiver report)	Climbs stairs alone steadily	Climbs stairs alone unsteadily	Climbs stairs with help (uses railing, holds adult's hand)	No attempt	Unable to assess

23	Does your child babble using 2, 3 or 4 syllables - for example mama, papa, dada? Can you give me some examples? (Caregiver report)	Spontaneously	Mimics	1 syllable babble e.g. ba, ma, da	None	Unable to assess
24	Does your child make two word sentences? Can you give me a few examples? (Caregiver report)	Two words, appropriate use	Two words, inappropriate use	One word, appropriate use	No attempt	Unable to assess
25	Does your child say no or indicate no using a gesture – for example shaking his/her head? (Caregiver report)	Indicates verbally or by definite gesture all the time	Indicates verbally or by definite gesture some of the time	Attempts, but incomplete indication	No attempt	Unable to assess
26	Does your child use pronouns, such as me, mine, she, he, her, his, correctly? Can you give me some examples of sentences when he/she uses pronouns? (Caregiver report)	≥1 pronoun in correct context	≥1 pronoun, incorrect use	Use of proper names but not pronouns	No use	Unable to assess
27	Can you give me some examples of words your child commonly uses? (Caregiver report, do not specify number of words)	≥8 words	6-7 words	4-5 words	≤3 words	Unable to assess
28	Does your child use sentences of 3 or more words? Can you give me some examples? (Caregiver report, do not specify number of sentences)	≥2	1	≥1 two word utterance	None	Unable to assess
29	Can your child take part in a conversation by providing his/her own new information or tell a story? Can you give me an example? (Caregiver report, do not specify number of sentences)	At least one, using ≥ 2 words, providing correct information	At least one, uses single words, provides correct information	Uses any number of words, provides incorrect information	Does not follow up on conversations	Unable to assess
30	If you ask your child to say bye-bye, without doing the gesture of hand waving yourself, would your child wave his/her hand? (Caregiver report, can use other examples such as high-5, fist-bump, blowing a kiss)	Combines word and gesture completely and appropriately	Combines word and gesture completely but inappropriately	Combines word and gesture incompletely and inappropriately	Does not combine a word and gesture	Unable to assess

What is the child's native (first) language? _____

What is the language in which the assessment is being conducted in? _____

Does the child speak/understand any languages other than his/her native (first) language? _____

How often were the following behaviours in the child during the assessment?					
31	Positive Affect	Observer-rated during assessment of directly administered items	Never or rarely	Some of the time	Most of the time
32	Exploration	When in a new environment, does your child display curiosity about the persons or objects in the environment by asking questions about the environment, asking for information about objects in the environment, or walking around touching things in the environment?	Never or rarely	Some of the time	Most of the time
33	Ease of engagement	Observer-rated during assessment of directly administered items	Never or rarely	Some of the time	Most of the time
34	Cooperativeness	Observer-rated during assessment of directly administered items	Never or rarely	Some of the time	Most of the time
35	Adaptability to change	How often is your child distressed by a change in his/her routine – for example when he/she encounters new persons or environments?	Never or rarely	Some of the time	Most of the time
36	Distractibility	Observer-rated during assessment of directly administered items	Never or rarely	Some of the time	Most of the time
37	Negative Affect	Observer-rated during assessment of directly administered items	Never or rarely	Some of the time	Most of the time

Additional information: