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## Instructions for the ACTIVLIM-CP-WA questionnaire

### The ACTIVLIM-CP-WA questionnaire

ACTIVLIM-CP-WA questionnaire is an adapted version of the ACTIVLIM-CP questionnaire designed by Bleyenheuft et al. (2017) to measure global performance of daily life activities in children with cerebral palsy (CP) in European countries. This adapted version fits the socio-cultural realities of West-African countries. It was validated in a sample of children with CP aging between 2 to 19 years recruited from Benin, a West-African country. The ACTIVLIM-CP-WA was built on the parents' perception and involves 31 items covering the domain of self-care, mobility and domestic life of the International Classification of Functioning, Disability and Health, Child and Youth version (ICF-CY). The 31 items of the ACTIVLIM-CP-WA include 21 items for preschoolers (2 to 6 years), 23 items for children aging 6 to 12 years and 19 items for teens (12 to 19 years). As a Rasch-built scale, ACTIVLIM-CP-WA items provide unidimensional, invariant and linear measures of global performance in daily life activities. (Sogbossi et al., manuscript in preparation).

### Procedures

Parents are instructed to estimate their child's difficulty in performing the activities related to the age of the child, as mentioned in the questionnaire, on three-level responses:

- **Impossible** : the child is unable to perform the activity alone,
- **Difficult**: the child is able to perform the activity alone, but experiences some difficulties,
- **Easy**: the child is able to perform the activity alone, without any difficulty.
- **The question mark “?”** means missing response and involves activities for which parents cannot estimate their child's difficulty as she/he has never attempted it. However, if the child has never attempted the activity because it is impossible, then it must be scored as impossible.
- The activities unrelated to the age of the child are systematically scored as “?” (missing response).

Consider that the activities are done:

- Without other technical or human help,
- Irrespective of the limb(s) used to do the activity,
- No matter how it is performed (any compensation is allowed)

### Activities order

ACTIVLIM-CP-WA is available in 8 different orders, named order 1, 2, to 8. Each order is made of the same items presented in eight randomized orders, to prevent from recall bias in a repetitive use of the questionnaire.

### Package content

- 1 instruction sheet,
- Testing forms in a eight random orders
- Response scale presented to the patient during the evaluation (1 sheet)

**ACTIVLIM-CP-WA - Measure of global activity performance**  
**English version**

Patient \_\_\_\_\_

Date \_\_\_\_\_

How <b>DIFFICULT</b> are the following activities ?	Impossible	Difficult	Easy	?
1. Switching on/off a light button (general switch, power switch of computer or television)				
2. Opening and closing a door				
3. Piercing meat and using a fork to bring it to the mouth				
4. Throwing a ball upwards (e.g. a soccer ball)				
5. Taking and drinking from a bowl/cup with both hands				
6. Putting on a backpack				
7. Taking a spoon of porridge and bring it to the mouth (without dropping it)				
8. Buttoning a pair of trousers				
9. Tying one's shoes				

Items for age **2 to 6 years**. Score "?" for 7 to 19 years.

10. Eating a bread with contents (butter, mayo, etc.)				
11. Removing unbuttoned trousers				

Items for age **2 to 12 years**. Score "?" for 13 to 19 years.

12. Bringing food to the mouth with the hand				
13. Taking off a hat/ a cap				
14. Taking coins out from a pocket				
15. Playing with both hands while sitting on a chair with a backrest				
16. Playing with both hands while standing				
17. Putting back a pair of trousers after having used the toilet				
18. Putting on underwear				
19. Walking while holding an object with both hands				

How <b>DIFFICULT</b> are the following activities ?	Impossible	Difficult	Easy	?
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Items for age **2 to 6 years and 12 to 19 years**. Score "?" for 7 to 11 years.

20.	Taking, drinking and putting down a glass without spilling the contents.				
21.	Opening the snaps fastener of a shirt/sweater				

Items for **6 to 12 years**. Score "?" for 2 to 5 years and 13 to 19 years.

22.	Holding a pencil with the thumb-index pinch				
23.	Taking plates from the basket or the cupboard				

Items for age **6 to 19 years**. Score "?" for 2 to 5 years.

24.	Putting on/off a hat/ a cap				
25.	Removing the cap of a toothpaste				
26.	Taking a shower				
27.	Sweeping the room (whatever the broomstick)				

Items for age **12 to 19 years**. Score "?" for 2 to 11 years.

28.	Using a phone				
29.	Opening a car door				
30.	Filling a glass with water from a bottle without spilling				
31.	Opening a jar by twisting the lid				

**ACTVLIM-CP-WA - Measure of global activity performance**  
**English version**

Patient \_\_\_\_\_

Date \_\_\_\_\_

How <b>DIFFICULT</b> are the following activities ?	Impossible	Difficult	Easy	?
1. Buttoning a pair of trousers				
2. Opening and closing a door				
3. Piercing meat and using a fork to bring it to the mouth				
4. Putting on a backpack				
5. Switching on/off a light button (general switch, power switch of computer or television)				
6. Taking a spoon of porridge and bring it to the mouth (without dropping it)				
7. Taking and drinking from a bowl/cup with both hands				
8. Throwing a ball upwards (e.g. a soccer ball)				
9. Tying one's shoes				

Items for age **2 to 6 years**. Score "?" for 7 to 19 years.

10. Eating a bread with contents (butter, mayo, etc.)				
11. Removing unbuttoned trousers				

Items for age **2 to 12 years**. Score "?" for 13 to 19 years.

12. Bringing food to the mouth with the hand				
13. Playing with both hands while sitting on a chair with a backrest				
14. Playing with both hands while standing				
15. Putting back a pair of trousers after having used the toilet				
16. Putting on underwear				
17. Taking coins out from a pocket				
18. Taking off a hat/ a cap				
19. Walking while holding an object with both hands				

How <b>DIFFICULT</b> are the following activities ?	Impossible	Difficult	Easy	?
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Items for age **2 to 6 years and 12 to 19 years**. Score "?" for 7 to 11 years.

20.	Opening the snaps fastener of a shirt/sweater				
21.	Taking, drinking and putting down a glass without spilling the contents.				

Items for **6 to 12 years**. Score "?" for 2 to 5 years and 13 to 19 years.

22.	Holding a pencil with the thumb-index pinch				
23.	Taking plates from the basket or the cupboard				

Items for age **6 to 19 years**. Score "?" for 2 to 5 years.

24.	Sweeping the room (whatever the broomstick)				
25.	Putting on/off a hat/ a cap				
26.	Removing the cap of a toothpaste				
27.	Taking a shower				

Items for age **12 to 19 years**. Score "?" for 2 to 11 years.

28.	Filling a glass with water from a bottle without spilling				
29.	Opening a car door				
30.	Opening a jar by twisting the lid				
31.	Using a phone				

**ACTVLIM-CP-WA - Measure of global activity performance**  
**English version**

Patient \_\_\_\_\_

Date \_\_\_\_\_

How <b>DIFFICULT</b> are the following activities ?	Impossible	Difficult	Easy	?
1. Tying one's shoes				
2. Throwing a ball upwards (e.g. a soccer ball)				
3. Taking and drinking from a bowl/cup with both hands				
4. Taking a spoon of porridge and bring it to the mouth (without dropping it)				
5. Switching on/off a light button (general switch, power switch of computer or television)				
6. Putting on a backpack				
7. Piercing meat and using a fork to bring it to the mouth				
8. Opening and closing a door				
9. Buttoning a pair of trousers				

Items for age **2 to 6 years**. Score "?" for 7 to 19 years.

10. Eating a bread with contents (butter, mayo, etc.)				
11. Removing unbuttoned trousers				

Items for age **2 to 12 years**. Score "?" for 13 to 19 years.

12. Walking while holding an object with both hands				
13. Taking off a hat/ a cap				
14. Taking coins out from a pocket				
15. Putting on underwear				
16. Putting back a pair of trousers after having used the toilet				
17. Playing with both hands while standing				
18. Playing with both hands while sitting on a chair with a backrest				
19. Bringing food to the mouth with the hand				

How <b>DIFFICULT</b> are the following activities ?	Impossible	Difficult	Easy	?
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Items for age **2 to 6 years and 12 to 19 years**. Score "?" for 7 to 11 years.

20.	Opening the snaps fastener of a shirt/sweater				
21.	Taking, drinking and putting down a glass without spilling the contents.				

Items for **6 to 12 years**. Score "?" for 2 to 5 years and 13 to 19 years.

22.	Holding a pencil with the thumb-index pinch				
23.	Taking plates from the basket or the cupboard				

Items for age **6 to 19 years**. Score "?" for 2 to 5 years.

24.	Taking a shower				
25.	Removing the cap of a toothpaste				
26.	Putting on/off a hat/ a cap				
27.	Sweeping the room (whatever the broomstick)				

Items for age **12 to 19 years**. Score "?" for 2 to 11 years.

28.	Using a phone				
29.	Opening a jar by twisting the lid				
30.	Opening a car door				
31.	Filling a glass with water from a bottle without spilling				

**ACTVLIM-CP-WA - Measure of global activity performance**  
**English version**

Patient \_\_\_\_\_

Date \_\_\_\_\_

How DIFFICULT are the following activities ?	Impossible	Difficult	Easy	?
1. Tying one's shoes				
2. Switching on/off a light button (general switch, power switch of computer or television)				
3. Throwing a ball upwards (e.g. a soccer ball)				
4. Taking and drinking from a bowl/cup with both hands				
5. Buttoning a pair of trousers				
6. Putting on a backpack				
7. Piercing meat and using a fork to bring it to the mouth				
8. Taking a spoon of porridge and bring it to the mouth (without dropping it)				
9. Opening and closing a door				

Items for age **2 to 6 years**. Score "?" for 7 to 19 years.

10. Eating a bread with contents (butter, mayo, etc.)				
11. Removing unbuttoned trousers				

Items for age **2 to 12 years**. Score "?" for 13 to 19 years.

12. Taking coins out from a pocket				
13. Walking while holding an object with both hands				
14. Putting on underwear				
15. Playing with both hands while sitting on a chair with a backrest				
16. Bringing food to the mouth with the hand				
17. Taking off a hat/ a cap				
18. Putting back a pair of trousers after having used the toilet				
19. Playing with both hands while standing				

How <b>DIFFICULT</b> are the following activities ?	Impossible	Difficult	Easy	?
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Items for age **2 to 6 years and 12 to 19 years**. Score "?" for 7 to 11 years.

20.	Opening the snaps fastener of a shirt/sweater				
21.	Taking, drinking and putting down a glass without spilling the contents.				

Items for **6 to 12 years**. Score "?" for 2 to 5 years and 13 to 19 years.

22.	Holding a pencil with the thumb-index pinch				
23.	Taking plates from the basket or the cupboard				

Items for age **6 to 19 years**. Score "?" for 2 to 5 years.

24.	Taking a shower				
25.	Sweeping the room (whatever the broomstick)				
26.	Putting on/off a hat/ a cap				
27.	Removing the cap of a toothpaste				

Items for age **12 to 19 years**. Score "?" for 2 to 11 years.

28.	Opening a car door				
29.	Filling a glass with water from a bottle without spilling				
30.	Opening a jar by twisting the lid				
31.	Using a phone				

**ACTIVLIM-CP-WA - Measure of global activity performance**  
**English version**

**Patient** \_\_\_\_\_

**Date** \_\_\_\_\_

How <b>DIFFICULT</b> are the following activities ?	Impossible	Difficult	Easy	?
1. Opening and closing a door				
2. Taking a spoon of porridge and bring it to the mouth (without dropping it)				
3. Piercing meat and using a fork to bring it to the mouth				
4. Putting on a backpack				
5. Buttoning a pair of trousers				
6. Taking and drinking from a bowl/cup with both hands				
7. Throwing a ball upwards (e.g. a soccer ball)				
8. Switching on/off a light button (general switch, power switch of computer or television)				
9. Tying one's shoes				

Items for age **2 to 6 years**. Score "?" for 7 to 19 years.

10. Eating a bread with contents (butter, mayo, etc.)				
11. Removing unbuttoned trousers				

Items for age **2 to 12 years**. Score "?" for 13 to 19 years.

12. Playing with both hands while standing				
13. Putting back a pair of trousers after having used the toilet				
14. Taking off a hat/ a cap				
15. Bringing food to the mouth with the hand				
16. Playing with both hands while sitting on a chair with a backrest				
17. Putting on underwear				
18. Walking while holding an object with both hands				
19. Taking coins out from a pocket				

How DIFFICULT are the following activities ?	Impossible	Difficult	Easy	?
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Items for age **2 to 6 years and 12 to 19 years**. Score "?" for 7 to 11 years.

20.	Taking, drinking and putting down a glass without spilling the contents.				
21.	Opening the snaps fastener of a shirt/sweater				

Items for **6 to 12 years**. Score "?" for 2 to 5 years and 13 to 19 years.

22.	Holding a pencil with the thumb-index pinch				
23.	Taking plates from the basket or the cupboard				

Items for age **6 to 19 years**. Score "?" for 2 to 5 years.

24.	Removing the cap of a toothpaste				
25.	Putting on/off a hat/ a cap				
26.	Sweeping the room (whatever the broomstick)				
27.	Taking a shower				

Items for age **12 to 19 years**. Score "?" for 2 to 11 years.

28.	Using a phone				
29.	Opening a jar by twisting the lid				
30.	Filling a glass with water from a bottle without spilling				
31.	Opening a car door				

**ACTVLIM-CP-WA - Measure of global activity performance**  
**English version**

Patient \_\_\_\_\_

Date \_\_\_\_\_

How <b>DIFFICULT</b> are the following activities ?	Impossible	Difficult	Easy	?
1. Taking and drinking from a bowl/cup with both hands				
2. Throwing a ball upwards (e.g. a soccer ball)				
3. Switching on/off a light button (general switch, power switch of computer or television)				
4. Buttoning a pair of trousers				
5. Tying one's shoes				
6. Opening and closing a door				
7. Taking a spoon of porridge and bring it to the mouth (without dropping it)				
8. Piercing meat and using a fork to bring it to the mouth				
9. Putting on a backpack				

Items for age **2 to 6 years**. Score "?" for 7 to 19 years.

10. Eating a bread with contents (butter, mayo, etc.)				
11. Removing unbuttoned trousers				

Items for age **2 to 12 years**. Score "?" for 13 to 19 years.

12. Taking coins out from a pocket				
13. Putting on underwear				
14. Playing with both hands while sitting on a chair with a backrest				
15. Bringing food to the mouth with the hand				
16. Putting back a pair of trousers after having used the toilet				
17. Walking while holding an object with both hands				
18. Playing with both hands while standing				
19. Taking off a hat/ a cap				

How <b>DIFFICULT</b> are the following activities ?	Impossible	Difficult	Easy	?
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Items for age **2 to 6 years and 12 to 19 years**. Score "?" for 7 to 11 years.

20.	Taking, drinking and putting down a glass without spilling the contents.				
21.	Opening the snaps fastener of a shirt/sweater				

Items for **6 to 12 years**. Score "?" for 2 to 5 years and 13 to 19 years.

22.	Holding a pencil with the thumb-index pinch				
23.	Taking plates from the basket or the cupboard				

Items for age **6 to 19 years**. Score "?" for 2 to 5 years.

24.	Putting on/off a hat/ a cap				
25.	Removing the cap of a toothpaste				
26.	Taking a shower				
27.	Sweeping the room (whatever the broomstick)				

Items for age **12 to 19 years**. Score "?" for 2 to 11 years.

28.	Opening a jar by twisting the lid				
29.	Using a phone				
30.	Opening a car door				
31.	Filling a glass with water from a bottle without spilling				

**ACTVLIM-CP-WA - Measure of global activity performance**  
**English version**

Patient \_\_\_\_\_

Date \_\_\_\_\_

How <b>DIFFICULT</b> are the following activities ?	Impossible	Difficult	Easy	?
1. Putting on a backpack				
2. Piercing meat and using a fork to bring it to the mouth				
3. Taking a spoon of porridge and bring it to the mouth (without dropping it)				
4. Opening and closing a door				
5. Buttoning a pair of trousers				
6. Tying one's shoes				
7. Switching on/off a light button (general switch, power switch of computer or television)				
8. Throwing a ball upwards (e.g. a soccer ball)				
9. Taking and drinking from a bowl/cup with both hands				

Items for age **2 to 6 years**. Score "?" for 7 to 19 years.

10. Removing unbuttoned trousers				
11. Eating a bread with contents (butter, mayo, etc.)				

Items for age **2 to 12 years**. Score "?" for 13 to 19 years.

12. Taking off a hat/ a cap				
13. Playing with both hands while standing				
14. Walking while holding an object with both hands				
15. Putting back a pair of trousers after having used the toilet				
16. Bringing food to the mouth with the hand				
17. Playing with both hands while sitting on a chair with a backrest				
18. Putting on underwear				
19. Taking coins out from a pocket				

How <b>DIFFICULT</b> are the following activities ?	Impossible	Difficult	Easy	?
---	------------	-----------	------	---

Items for age **2 to 6 years and 12 to 19 years**. Score "?" for 7 to 11 years.

20.	Opening the snaps fastener of a shirt/sweater				
21.	Taking, drinking and putting down a glass without spilling the contents.				

Items for **6 to 12 years**. Score "?" for 2 to 5 years and 13 to 19 years.

22.	Taking plates from the basket or the cupboard				
23.	Holding a pencil with the thumb-index pinch				

Items for age **6 to 19 years**. Score "?" for 2 to 5 years.

24.	Putting on/off a hat/ a cap				
25.	Removing the cap of a toothpaste				
26.	Taking a shower				
27.	Sweeping the room (whatever the broomstick)				

Items for age **12 to 19 years**. Score "?" for 2 to 11 years.

28.	Filling a glass with water from a bottle without spilling				
29.	Opening a car door				
30.	Using a phone				
31.	Opening a jar by twisting the lid				

**ACTIVLIM-CP-WA - Measure of global activity performance**  
**English version**

**Patient** \_\_\_\_\_

**Date** \_\_\_\_\_

How <b>DIFFICULT</b> are the following activities ?	Impossible	Difficult	Easy	?
1. Opening and closing a door				
2. Buttoning a pair of trousers				
3. Piercing meat and using a fork to bring it to the mouth				
4. Taking a spoon of porridge and bring it to the mouth (without dropping it)				
5. Tying one's shoes				
6. Putting on a backpack				
7. Switching on/off a light button (general switch, power switch of computer or television)				
8. Throwing a ball upwards (e.g. a soccer ball)				
9. Taking and drinking from a bowl/cup with both hands				

Items for age **2 to 6 years**. Score "?" for 7 to 19 years.

10. Removing unbuttoned trousers				
11. Eating a bread with contents (butter, mayo, etc.)				

Items for age **2 to 12 years**. Score "?" for 13 to 19 years.

12. Bringing food to the mouth with the hand				
13. Putting back a pair of trousers after having used the toilet				
14. Walking while holding an object with both hands				
15. Playing with both hands while standing				
16. Taking off a hat/ a cap				
17. Playing with both hands while sitting on a chair with a backrest				
18. Putting on underwear				
19. Taking coins out from a pocket				

How <b>DIFFICULT</b> are the following activities ?	Impossible	Difficult	Easy	?
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Items for age **2 to 6 years and 12 to 19 years**. Score "?" for 7 to 11 years.

20.	Opening the snaps fastener of a shirt/sweater				
21.	Taking, drinking and putting down a glass without spilling the contents.				

Items for **6 to 12 years**. Score "?" for 2 to 5 years and 13 to 19 years.

22.	Taking plates from the basket or the cupboard				
23.	Holding a pencil with the thumb-index pinch				

Items for age **6 to 19 years**. Score "?" for 2 to 5 years.

24.	Sweeping the room (whatever the broomstick)				
25.	Taking a shower				
26.	Removing the cap of a toothpaste				
27.	Putting on/off a hat/ a cap				

Items for age **12 to 19 years**. Score "?" for 2 to 11 years.

28.	Using a phone				
29.	Opening a car door				
30.	Filling a glass with water from a bottle without spilling				
31.	Opening a jar by twisting the lid				

		
<b>Impossible</b>	<b>Difficult</b>	<b>Easy</b>

## Test package record

Scale definition	
Scale name	ACTIVLIM-CP-WA
Scale version	1.0
Item orders	8
Scale reference	Sogbossi et al. (manuscript in preparation)
Calibration definition	
Online analysis	<a href="http://www.rehab-scales.org">http://www.rehab-scales.org</a>
Calibration reference	Specific calibration, refer to Sogbossi et al. (manuscript in preparation)
Language definition	
Language	English
Country	Not defined
Translated instructions	Yes
Translated items	Yes
Translated response scale	Yes
Translated from	French
Translation methodology	See translation reference
Translation reference	Sogbossi et al. (manuscript in preparation)
Translation credits	None, see scale reference authors
Cross-cultural validation	None