Appendix 3: ALP sub-group analyses population descriptors

Diagnos	ses: $CP = 47$	(74.60%); Neuro	omuscular = $2(3)$.17%); Neurode	generative $= 4$	(6.35%); Other =	10 (15.87%)
Age (months)		Minimum	1 st Quartile	Median	Mean	3 rd Quartile	Maximum
		9.00	17.50	31.00	31.25	40.00	68.00
Classification		Ι	II	III	IV	V	
GMFCS*		2	2	17	20	22	
MACS*		2	15	15	15	16	
CFCS		0	2	7	34	20	
LSS	Level 8	Level 7	Level 6	Level 5	Level 4	Level 3	Level 2
	2	2	0	12	12	21	11
	3	3	0	13	12	21	11
Access	5	3 stick users = 41	Ŷ		12	21	
	Method: Joys	stick users $= 42$	Switch user	s = 22		P phase across c	
2. ALP	Method: Joys Change gro	stick users = 4 up – children v	Switch user	$s_{\rm S} = 22$ se changed by 1	more than 1 AI		levices $\mathbf{n} = 11$
2. ALP Diagnos	Method: Joys Change gro ses: $CP = 7$ (6	stick users = 4 up – children v	Switch user whose ALP phas omuscular = 2 ($s_{\rm S} = 22$ se changed by 1	more than 1 AI	P phase across $c= 0; Other = 2 (1$	levices $\mathbf{n} = 11$
2. ALP Diagnos	Method: Joys Change gro ses: $CP = 7$ (6	stick users = 4 up – children v 53.64%); Neur	Switch user	s = 22 c changed by 1 18.18%); Neur	nore than 1 AI odegenerative =	P phase across c	levices n = 1 1 8.18%)
2. ALP Diagnos Age (mo	Method: Joys Change gro ses: $CP = 7$ (conths)	stick users = 4 up - children v 53.64%; Neur Min	Switch user whose ALP phase omuscular = 2 (1^{st} Quartile	ss = 22 (se changed by 1) (18.18%); Neuro Median	nore than 1 AI odegenerative = Mean	LP phase across c = 0; Other = 2 (1 3^{rd} Quartile	levices n = 11 8.18%) Maximum
2. ALP Diagnos Age (mo	Method: Joys Change gro ses: $CP = 7$ (conths) cation	stick users = 4 up - children v 53.64%; Neur Min	Switch user whose ALP phas omuscular = 2 (1^{st} Quartile 32.00	s = 22 se changed by 1 18.18%); Neuro Median 42.00	nore than 1 AI odegenerative = Mean 41.22	$ \begin{array}{c} \text{P phase across c} \\ = 0; \text{ Other } = 2 (1) \\ 3^{\text{rd}} \text{ Quartile} \\ 47.00 \end{array} $	levices n = 1 1 8.18%) Maximum
2. ALP Diagnos Age (mo Classifio GMFCS	Method: Joys Change gro ses: $CP = 7$ (conths) cation	stick users = 4 up – children v 53.64%); Neur Min 17.00 I	Switch user whose ALP phas omuscular = 2 (1^{st} Quartile 32.00	se changed by 1 se changed by 1 18.18%); Neuro Median 42.00 III	more than 1 AI odegenerative = Mean 41.22 IV	$ \begin{array}{c} \text{P phase across c} \\ = 0; \text{ Other } = 2 (1) \\ 3^{\text{rd}} \text{ Quartile} \\ 47.00 \end{array} $	levices n = 11 8.18%) Maximum
2. ALP Diagnos Age (mo Classifio GMFCS MACS*	Method: Joys Change gro ses: $CP = 7$ (conths) cation	stick users = 4 up - children v 53.64%); Neur Min 17.00 I 0	Switch userwhose ALP phasomuscular = 2 (11 st Quartile32.00II1	s = 22 se changed by 1 18.18%); Neuro Median 42.00 III 5	nore than 1 AI odegenerative = Mean 41.22 IV 4	$ \begin{array}{c} \text{P phase across c} \\ = 0; \text{ Other } = 2 (1) \\ 3^{\text{rd}} \text{ Quartile} \\ 47.00 \end{array} $	levices n = 11 8.18%) Maximum
2. ALP	Method: Joys Change gro ses: $CP = 7$ (conths) cation	stick users = 4 up – children v 53.64%); Neur Min 17.00 I 0 2	Switch user whose ALP phase omuscular = 2 (1^{st} Quartile 32.00 II 1 3	se changed by 1 18.18%); Neuro Median 42.00 III 5 5	more than 1 AI odegenerative = Mean 41.22 IV 4 0	$ \begin{array}{c} \text{P phase across c} \\ = 0; \text{ Other } = 2 (1) \\ 3^{\text{rd}} \text{ Quartile} \\ 47.00 \end{array} $	levices n = 11 8.18%) Maximum

ALP 4-6 group – children who achieved ALP phase 4 or higher in at least one device n = 14 (includes children from both the stable and the change groups above)

Diagnosis: $CP = 10$ (71.43%); Neuromuscular = 2 (14.29%); Neurodegenerative = 0; Other = 2 (14.29%)										
Age (months)		Min	1 st Quartile	Median	Mean	3 rd Quartile	Maximum			
		23.00	34.00	42.00	41.22	47.00	57.00			
Classification		Ι	II	III	IV	V				
GMFCS*		0	1	8	5	0				
MACS*		2	7	4	1	0				
CFCS		3	2	4	5	0				
LSS	Level 8	Level 7	Level 6	Level 5	Level 4	Level 3	Level 2			
	2	1	0	5	4	2	0			
Joystick users = 14 Switch users = 0										

ALP = Assessment of Learning Powered mobility use; CFCS = Communication Function Classification System; CP = cerebral palsy; GMFCS = Gross Motor Function Classification System; MACS = Manual Abilities Classification System (includes MiniMACS* for children under 4 years); LSS = Level of Sitting Scale;

* indicates equivalent level of function for children with a diagnosis other than cerebral palsy