

Appendix 3: ALP sub-group analyses population descriptors

1. ALP Stable group – children whose ALP phase was stable (did not change more than 1 ALP phase across devices n = 63)

Diagnoses: CP = 47 (74.60%); Neuromuscular = 2 (3.17%); Neurodegenerative = 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	I	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 3	Level 7 3	Level 6 0	Level 5 13	Level 4 12	Level 3 21	Level 2 11

Access Method: Joystick users = 41 Switch users = 22

2. ALP Change group – children whose ALP phase changed by more than 1 ALP phase across devices n = 11

Diagnoses: CP = 7 (63.64%); Neuromuscular = 2 (18.18%); Neurodegenerative = 0; Other = 2 (18.18%)

Age (months)	Min	1 st Quartile	Median	Mean	3 rd Quartile	Maximum	
	17.00	32.00	42.00	41.22	47.00	57.00	
Classification	I	II	III	IV	V		
GMFCS*	0	1	5	4	1		
MACS*	2	3	5	0	1		
CFCS	3	4	3	0	1		
LSS	Level 8 1	Level 7 1	Level 6 1	Level 5 5	Level 4 2	Level 3 0	Level 2 1

Access Method: Joystick users = 10 Switch users = 1

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	I	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 2	Level 7 1	Level 6 0	Level 5 5	Level 4 4	Level 3 2	Level 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