

Additional file 2: Overview of the number of children in each ANCOVA analysis

Task	Parameter	Comparison uCP - TDC		Comparison MACS-levels		
		uCP (n)	TDC (n)	Level I (n)	Level II (n)	Level III (n)
BOB task – Level 1	Mean bar tilt	50	50	27	16	7
	Bar tilt standard deviation	50	50	27	16	7
	Bar length variability	50	50	27	16	7
	Reaction time difference	47	47	27	16	6
	Hand speed difference	50	50	27	16	7
	Hand speed peaks bias	50	50	27	16	7
	Hand path length bias	50	50	27	16	7
BOB task – Level 2	Mean bar tilt	48	48	26	16	7
	Bar tilt standard deviation	48	48	26	16	7
	Bar length variability	48	48	26	16	7
	Reaction time difference	48	48	26	16	7
	Hand speed difference	48	48	26	16	7
	Hand speed peaks bias	48	48	26	16	7
	Hand path length bias	48	48	26	16	7
OH task	Hand transition	50	50	27	16	7
	Hand selection overlap	50	50	27	16	7
	Hand bias hits	50	50	27	16	7
	Hand speed bias	49	49	27	16	7
	Movement area bias	50	50	27	16	7
Circuit task	Bimanual coordination factor	46	46	26	15	5

BOB task = Ball-on-bar task, OH task = Object hit task, uCP = unilateral cerebral palsy, TDC = typically developing children, MACS = manual Ability Classification System, n = amount of children, bold italic = parameters with missing data