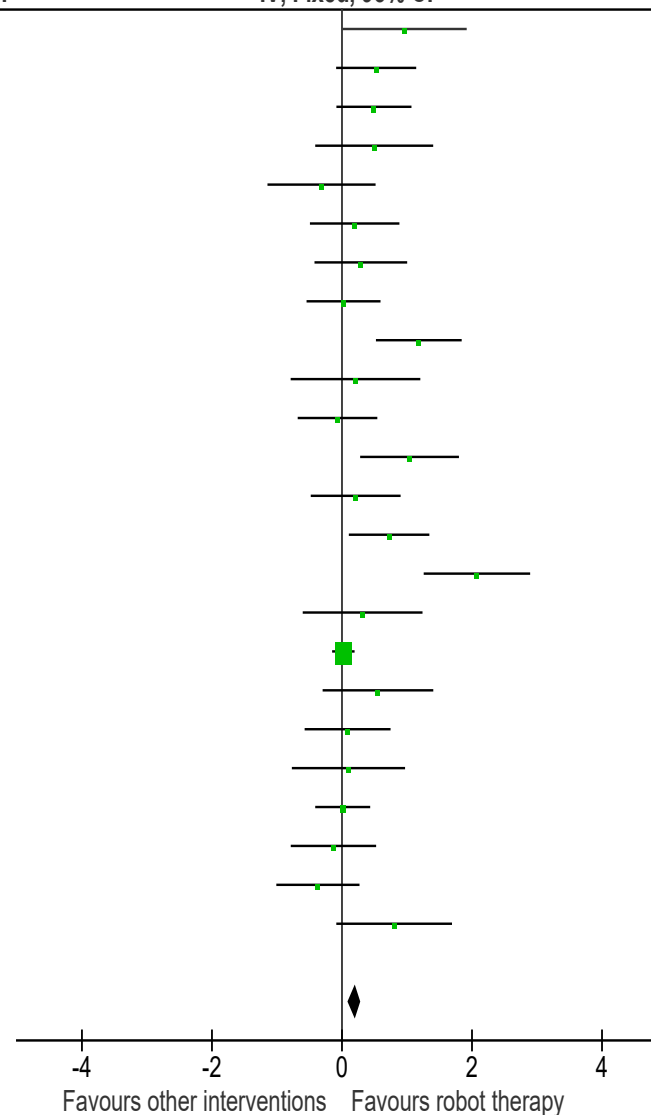


**Figure 11: Arm function (FMA UE, Chedoke Arm and Hand Activity [different scale ranges], higher values are better, final values) at end of intervention**

Study or Subgroup	Robot arm training			Other interventions			Weight	Std. Mean Difference		Std. Mean Difference	
	Mean	SD	Total	Mean	SD	Total		IV, Fixed, 95% CI	IV, Fixed, 95% CI		
Abdullah 2011	2.75	1.8	9	1	1.69	11	1.3%	0.96	[0.02, 1.91]		
Budhota 2021	44.64	9.77	22	38.86	11.69	22	3.1%	0.53	[-0.08, 1.13]		
Calabro 2019	36	4	25	34	4	25	3.5%	0.49	[-0.07, 1.06]		
Chen 2021B	35.1	13.36	10	28.7	11.27	10	1.4%	0.50	[-0.40, 1.39]		
Chen 2022	35.64	9.3	14	38.8	10.32	10	1.7%	-0.31	[-1.13, 0.50]		
Daunoraviciene 2018	45.17	18.48	17	41.76	15.41	17	2.4%	0.20	[-0.48, 0.87]		
Dehem 2019	51.9	30.9	15	42.4	32.6	17	2.3%	0.29	[-0.41, 0.99]		
Gueye 2021	54.5	10.06	25	54.2	13.93	25	3.6%	0.02	[-0.53, 0.58]		
Hesse 2005	24.6	14.9	22	10.4	7.5	22	2.7%	1.18	[0.54, 1.83]		
Hsieh 2011	4.2	5.9	12	2.8	7.4	6	1.2%	0.21	[-0.77, 1.19]		
Hsu 2019	43.1	13	22	44.1	15.9	21	3.1%	-0.07	[-0.67, 0.53]		
Hsu 2021	42.1	14.4	17	27.6	12.6	15	2.0%	1.04	[0.29, 1.79]		
Hung 2022	36.46	8.88	13	34.41	9.8	24	2.4%	0.21	[-0.47, 0.89]		
Jiang 2021	45.61	8.83	23	39.32	8.17	22	3.0%	0.73	[0.12, 1.33]		
Kim 2019	-68	6	19	-83	8	19	1.7%	2.08	[1.27, 2.88]		
Ma 2022	36.4	16.87	10	30.11	20.95	9	1.4%	0.32	[-0.59, 1.23]		
Rodgers 2019	76.6	22.1	232	76.1	23.2	437	43.9%	0.02	[-0.14, 0.18]		
Singh 2021	50.2	6.5	12	45.5	9.7	11	1.6%	0.55	[-0.28, 1.39]		
Taravati 2021	24.24	10.02	17	23.35	10.01	20	2.7%	0.09	[-0.56, 0.73]		
Volpe 2008	15.73	6.6	11	15.1	5.3	10	1.5%	0.10	[-0.76, 0.96]		
Wolf 2015	43.4	44.07	47	42.9	42.6	45	6.7%	0.01	[-0.40, 0.42]		
Wu 2012	47.14	10.97	14	48.64	11.4	28	2.7%	-0.13	[-0.77, 0.51]		
Xu 2020	31.8	10	20	35.4	9.1	20	2.8%	-0.37	[-0.99, 0.26]		
Yoo 2013	43.4	15.9	11	33.3	6.3	11	1.5%	0.80	[-0.07, 1.68]		
<b>Total (95% CI)</b>			<b>639</b>			<b>857</b>	<b>100.0%</b>	<b>0.20</b>	<b>[0.09, 0.31]</b>		



Heterogeneity:  $\chi^2 = 57.99$ ,  $df = 23$  ( $P < 0.0001$ );  $I^2 = 60\%$   
 Test for overall effect:  $Z = 3.72$  ( $P = 0.0002$ )