






















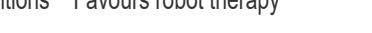




Figure 6: Activities of daily living (Barthel index, functional independence measure, stroke impact scale, MAL, Frenchay arm test, ABILHAND [different scale ranges], higher values are better, change scores) at end of intervention

Study or Subgroup	Robot arm training			Other interventions			Weight	Std. Mean Difference IV, Random, 95% CI	Std. Mean Difference IV, Random, 95% CI
	Mean	SD	Total	Mean	SD	Total			
Aprile 2020	23.87	18.51051	91	22.98	18.52627	99	5.3%	0.05 [-0.24, 0.33]	
Bishop 2014	-0.36	12.3	14	6.78	19.1	14	3.8%	-0.43 [-1.18, 0.32]	
Burgar 2011	19.6	8.52	36	15.9	6.363961	18	4.4%	0.46 [-0.11, 1.04]	
Carpinella 2020	9.3	5.8	19	8.7	11.6	19	4.2%	0.06 [-0.57, 0.70]	
Chen 2021A	28.9	14.26	10	21	8.89	10	3.3%	0.64 [-0.27, 1.54]	
Chinembiri 2021	40	9.9	20	10.2	3.9	25	2.9%	4.07 [3.01, 5.13]	
Fazekas 2007	12.07	9.26	15	25.53	14.32	15	3.7%	-1.09 [-1.86, -0.31]	
Hesse 2014	25.2	11	25	16	15.7	25	4.4%	0.67 [0.10, 1.24]	
Housman 2009	0.2	0.4	17	0.1	0.3	17	4.1%	0.28 [-0.40, 0.95]	
Iwamoto 2019	9.17	5.97	6	2.5	4.52	5	2.3%	1.13 [-0.19, 2.46]	
Lee 2016	10	7.1	22	9.6	6.5	22	4.4%	0.06 [-0.53, 0.65]	
Lee 2018	5.8	5.73	15	3.33	4.95	15	3.9%	0.45 [-0.28, 1.17]	
Liao 2012	0.3	0.2	10	0	0.3	10	3.2%	1.13 [0.17, 2.09]	
Lin 2022	10.81	9.98	72	9.99	10.72	72	5.2%	0.08 [-0.25, 0.41]	
Lum 2002	1.2	4.326662	13	0	0.001	14	3.8%	0.39 [-0.37, 1.15]	
Lum 2006	2.9	1.2	24	3.2	1.4	6	3.3%	-0.24 [-1.13, 0.66]	
Masiero 2007	32.6	7.2	17	25.5	10.5	18	4.0%	0.77 [0.08, 1.46]	
Masiero 2011	1.8	1.4	11	1	0.7	10	3.4%	0.68 [-0.20, 1.57]	
Remy-Neris 2021	10.81	9.38	105	10.68	10.02	103	5.3%	0.01 [-0.26, 0.29]	
Takahashi 2016	12.6	7.7	30	15.1	11	26	4.6%	-0.26 [-0.79, 0.26]	
Taveggia 2016	13.4	20.9	27	4.4	21.2	27	4.5%	0.42 [-0.12, 0.96]	
Tomic 2017	21.2	24.8	13	13.1	10.7	13	3.7%	0.41 [-0.37, 1.19]	
Villafane 2017	22.8	2.4	16	21.6	2.4	16	4.0%	0.49 [-0.22, 1.19]	
Volpe 2000	9.1	3.3	30	4.4	2	26	4.3%	1.67 [1.05, 2.29]	
Zengin-Metli 2018	14.7	8.47	20	13.67	11.52	15	4.1%	0.10 [-0.57, 0.77]	
Total (95% CI)			678			640	100.0%	0.41 [0.16, 0.67]	

Heterogeneity: Tau² = 0.30; Chi² = 109.35, df = 24 (P < 0.00001); I² = 78%
Test for overall effect: Z = 3.14 (P = 0.002)

