

## Supplementary Materials for:

### The Precision of the Human Hand: Variability in Pinch Strength and Manual Dexterity

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**Table S1.** Summary statistics for pinch grip strength (lbs) of both hands by age categories and for each sex, for handedness and for each lifestyle factor (occupation, playing a musical instrument, playing sport) tested.

			Age (years)					
			17-29		30-44		45+	
			M	F	M	F	M	F
Age rank	DH	Mean	15.04	11.11	18.04	11.93	16.05	11.24
		SD	3.69	2.10	4.06	2.63	4.13	2.86
	NDH	Mean	14.70	10.47	17.24	11.40	15.20	10.86
		SD	3.66	2.15	4.12	2.44	3.79	2.70
Right-handed	DH	Mean	15.26	11.13	18.40	11.98	16.08	11.17
		SD	3.68	2.08	4.03	2.65	4.28	2.86
	NDH	Mean	14.83	10.46	17.51	11.42	15.41	10.75
		SD	3.65	2.16	4.17	2.46	3.89	2.63
Left-handed	DH	Mean	12.81	10.91	14.86	11.44	15.83	12.06
		SD	3.22	2.45	2.85	2.54	2.46	2.94
	NDH	Mean	13.37	10.60	14.78	11.06	13.17	12.18
		SD	3.74	2.15	2.75	2.31	1.72	3.26
Office Work	DH	Mean	14.70	11.06	18.05	12.01	16.15	11.22
		SD	3.60	2.13	4.10	2.72	4.04	2.87
	NDH	Mean	14.17	10.40	17.10	11.35	15.02	10.84
		SD	3.50	2.08	4.08	2.44	3.77	2.68
Precision Manual Work	DH	Mean	17.31	11.04	19.67	11.27	14.42	11.40
		SD	3.79	1.40	4.04	2.01	5.40	3.20
	NDH	Mean	18.19	10.15	17.83	11.35	14.92	10.80
		SD	3.35	1.60	5.40	2.58	4.26	2.90
Forceful Manual Work	DH	Mean	15.78	11.81	17.63	12.37	17.67	11.25
		SD	3.90	2.63	4.10	2.40	3.33	2.48
	NDH	Mean	15.81	11.98	17.80	12.50	19.00	11.75
		SD	3.70	3.10	4.31	2.38	0.50	3.89
Playing a Musical Instrument	DH	Mean	14.43	10.72	18.96	11.97	15.33	11.27
		SD	3.10	1.97	4.34	2.22	3.54	3.01
	NDH	Mean	13.92	10.12	17.80	11.32	14.28	10.94
		SD	2.98	1.85	4.80	2.03	3.65	2.43
NOT Playing a Musical Instrument	DH	Mean	15.41	11.36	17.52	11.92	16.30	11.23
		SD	4.00	2.15	3.84	2.80	4.31	2.84
	NDH	Mean	15.17	10.70	16.92	11.42	15.51	10.83
		SD	3.40	2.31	3.70	2.60	3.82	2.77
Practicing Sport	DH	Mean	15.22	11.30	18.38	12.12	16.83	11.62
		SD	3.71	2.10	4.06	2.78	4.44	2.61
	NDH	Mean	14.77	10.75	17.54	11.34	15.71	11.00
		SD	3.68	2.11	4.30	2.62	4.03	2.53
NOT Practicing Sport	DH	Mean	14.25	10.85	17.30	11.77	14.78	10.85
		SD	3.63	2.11	4.04	2.51	3.24	3.09
	NDH	Mean	14.36	10.08	16.55	11.43	14.38	10.70
		SD	3.69	2.18	3.70	2.30	3.28	2.87

Males (M), Females (F), Dominant hand (DH), Non-dominant hand (NDH), Standard deviation of the mean (SD).

**Table S2.** Summary statistics for pegboard task results (number of pegs correctly placed) of both hands by age categories and for each sex, for handedness and for each lifestyle factor (occupation, playing a musical instrument, playing sport) tested.

			Age (years)					
			17-29		30-44		45+	
			M	F	M	F	M	F
Age rank	DH	Mean	25.63	28.17	26.65	28.40	23.50	26.42
		SD	3.15	3.51	3.55	3.54	3.80	4.40
	NDH	Mean	23.80	25.12	24.29	25.55	21.51	23.67
		SD	3.48	3.45	3.09	3.47	3.31	3.77
Right-handed	DH	Mean	25.72	28.22	26.64	28.38	23.37	26.4
		SD	3.21	3.50	3.42	3.53	3.72	4.35
	NDH	Mean	23.75	25.08	24.26	25.32	21.37	23.56
		SD	3.40	3.47	3.01	3.38	3.31	3.64
Left-handed	DH	Mean	24.75	27.64	26.71	28.56	24.67	26.75
		SD	2.49	3.75	4.92	3.09	4.67	5.23
	NDH	Mean	24.25	25.54	24.57	28.11	22.83	25
		SD	4.46	3.30	3.95	3.62	3.31	5.18
Office Work	DH	Mean	25.67	28.10	26.52	28.50	23.40	26.66
		SD	3.15	3.48	3.75	3.59	3.80	4.21
	NDH	Mean	23.76	25.21	24.37	25.54	21.54	23.82
		SD	3.38	3.62	3.25	3.56	2.91	3.77
Precision Manual Work	DH	Mean	24.87	30	28	28.46	24.33	25.30
		SD	2.64	3.79	3	2.87	4.80	5.41
	NDH	Mean	23.62	25.25	23.00	25.84	21.33	22.80
		SD	4.53	3.30	1.73	3.31	6.77s	2.90
Forceful Manual Work	DH	Mean	26	26.44	26.91	25.50	23.66	21.50
		SD	3.89	2.65	2.81	3.87	1.52	6.36
	NDH	Mean	24.37	23.89	24.25	24.75	21.33	21.00
		SD	3.78	2.57	2.63	2.21	0.58	8.48
Playing a Musical Instrument	DH	Mean	25.27	29	26.36	28.83	22.69	26.25
		SD	2.80	2.82	2.90	3.21	4.14	4.66
	NDH	Mean	24.30	26.16	23.56	25.90	21.12	23.87
		SD	2.64	2.91	2.88	2.28	4.03	3.61
NOT Playing a Musical Instrument	DH	Mean	25.85	27.63	26.81	28.22	23.76	26.48
		SD	3.35	3.82	3.90	3.66	3.67	4.33
	NDH	Mean	23.50	24.44	24.70	25.42	21.63	23.60
		SD	3.91	3.62	3.15	3.83	3.07	3.83
Practicing Sport	DH	Mean	25.66	27.95	27	28.27	23.87	27.13
		SD	3.26	3.41	3.34	3.85	3.07	4.06
	NDH	Mean	23.74	24.95	24.14	25.35	21.59	24.36
		SD	3.41	3.76	3.07	3.89	2.70	3.37
NOT Practicing Sport	DH	Mean	25.5	28.46	25.86	28.49	22.87	25.68
		SD	2.68	3.65	3.97	3.28	4.75	4.64
	NDH	Mean	24.06	25.35	24.62	25.72	21.37	22.94
		SD	3.92	2.98	3.17	3.09	4.18	4.05

Males (M), Females (F), Dominant hand (DH), Non-dominant hand (NDH), Standard deviation of the mean (SD).