

AVERAGE PERFORMANCE FOR GRIP STRENGTH

MALES					FEMALES				
Age	Hand	Mean	SD	Range	Age	Hand	Mean	SD	Range
5	R	19.2	6.8	12.4-26.0	5	R	16.3	4.3	12.0-16.6
	L	19.4	6.2	13.2-25.6		L	16.0	4.9	11.1-20.9
6	R	20.5	6.7	13.8-27.2	6	R	15.5	4.1	11.4-19.6
	L	20.9	6.5	14.4-27.5		L	15.4	4.9	10.5-20.3
7	R	23.1	6.7	16.4-29.8	7	R	18.9	5.7	14.3-24.6
	L	22.6	7.2	15.4-29.5		L	18.7	6.6	12.1-25.3
8	R	27.3	6.6	20.7-33.9	8	R	23.7	8.1	15.6-31.8
	L	27.8	8.3	19.5-36.1		L	23.8	7.9	15.9-31.7
9	R	30.4	7.9	22.5-38.3	9	R	27.9	6.2	21.7-34.1
	L	30.0	8.1	21.9-38.1		L	26.4	7.1	19.3-33.5
10	R	36.3	6.9	29.4-43.2	10	R	33.0	5.7	27.3-38.7
	L	36.3	8.6	27.7-44.9		L	31.7	5.6	26.1-37.3
11	R	44.7	9.5	35.2-54.2	11	R	36.5	9.4	27.1-45.9
	L	44.6	11.4	33.2-56.0		L	37.0	8.8	28.2-45.8
12	R	51.6	14.3	37.3-65.9	12	R	46.3	8.9	37.4-57.2
	L	51.4	13.0	38.4-64.4		L	48.6	10.1	38.5-58.7
13	R	58.7	15.5	43.2-74.2	13	R	58.6	10.6	48.0-69.2
	L	55.4	16.9	38.5-72.3		L	50.9	11.9	39.0-62.8
14-15	R	77.3	15.4	61.9-92.7	14-15	R	58.1	12.3	45.8-70.4
	L	64.4	14.9	49.5-79.2		L	49.3	11.9	37.4-61.2
16-17	R	94.0	19.4	74.6-113.4	16-17	R	67.3	16.5	50.8-83.8
	L	78.5	19.1	59.4-97.6		L	56.9	14.0	42.9-70.9
18-19	R	108.0	24.6	83.4-132.6	18-19	R	71.6	12.3	59.3-83.9
	L	93.0	27.8	65.2-120.8		L	61.7	12.5	49.2-74.2

AVERAGE PERFORMANCE FOR PALMAR PINCH

MALES					FEMALES				
Age	Hand	Mean	SD	Range	Age	Hand	Mean	SD	Range
5	R	6.2	1.7	4.5-7.9	5	R	5.1	1.8	3.3-6.9
	L	6.0	2.2	3.8-8.2		L	4.9	2.1	2.8-7.0
6	R	7.2	3.2	4.0-10.4	6	R	5.5	2.4	3.1-7.9
	L	6.6	3.4	3.2-10.0		L	5.2	2.4	2.8-7.6
7	R	8.2	2.7	5.5-10.9	7	R	6.8	2.7	4.1-9.5
	L	7.8	2.4	5.4-10.2		L	6.2	2.5	3.7-8.7
8	R	10.7	3.8	6.9-14.5	8	R	9.5	3.2	6.3-12.7
	L	10.0	3.3	6.7-13.3		L	8.5	2.8	5.7-11.3
9	R	11.8	3.6	8.2-15.4	9	R	9.3	3.3	6.0-12.6
	L	11.8	3.9	7.9-15.7		L	9.2	3.3	5.9-12.5
10	R	13.2	3.0	10.2-16.2	10	R	12.5	3.2	9.3-15.7
	L	12.3	2.9	9.4-15.2		L	12.9	3.7	9.2-16.6
11	R	14.2	4.5	9.7-18.7	11	R	12.8	2.9	9.9-15.7
	L	14.2	3.9	10.3-18.1		L	12.4	3.3	9.1-15.7
12	R	15.0	4.4	10.6-19.4	12	R	15.0	4.4	10.6-19.4
	L	14.8	4.8	10.0-19.6		L	14.0	5.9	8.1-19.9
13	R	15.5	3.6	11.4-19.1	13	R	15.4	2.6	12.8-18.0
	L	15.1	4.1	11.0-19.2		L	14.2	2.8	11.4-17.0
14-15	R	19.2	4.2	15.0-23.4	14-15	R	15.6	3.3	12.3-18.9
	L	18.8	5.0	13.8-23.8		L	14.7	3.4	11.3-18.1
16-17	R	22.2	5.0	17.2-27.2	16-17	R	17.8	3.9	13.9-21.7
	L	20.3	4.1	16.2-24.4		L	16.6	3.9	12.7-20.5
18-19	R	23.8	4.3	19.5-28.1	18-19	R	20.2	3.3	16.9-23.5
	L	23.4	4.5	18.9-27.9		L	19.0	3.0	16.0-22.0

AVERAGE PERFORMANCE OF NORMAL SUBJECTS ON KEY PINCH (lb)

MALES					FEMALES				
Age	Hand	Mean	SD	Range	Age	Hand	Mean	SD	Range
6-7	R	11.3	2.0	7-16	6-7	R	9.6	1.5	6-12
	L	10.6	2.1	4-15		L	9.1	1.5	5-11
8-9	R	13.1	2.6	9-18	8-9	R	11.6	2.6	8-23
	L	12.2	2.5	8-20		L	11.3	2.1	8-20
10-11	R	15.3	3.1	9-22	10-11	R	14.2	2.1	11-21
	L	14.5	2.9	9-22		L	13.3	2.0	11-19
12-13	R	16.6	2.9	11-22	12-13	R	15.2	2.6	11-22
	L	15.6	2.8	10-21		L	14.1	3.0	10-23
14-15	R	20.9	3.8	14-32	14-15	R	15.6	2.5	12-22
	L	19.9	3.7	12-26		L	14.8	2.7	7-22
16-17	R	23.3	3.4	14-31	16-17	R	17.3	3.0	12-27
	L	21.8	3.6	13-30		L	16.6	3.1	11-25
18-19	R	23.5	4.1	17-34	18-19	R	18.1	2.4	12-23
	L	22.9	4.0	14-33		L	17.2	2.5	12-22

AVERAGE PERFORMANCE OF NORMAL SUBJECTS ON PALMAR PINCH (lb)

MALES					FEMALES				
Age	Hand	Mean	SD	Range	Age	Hand	Mean	SD	Range
6-7	R	10.0	2.2	5-13	6-7	R	9.0	1.7	6-12
	L	9.2	2.0	5-13		L	8.4	1.4	6-11
8-9	R	11.6	2.3	7-17	8-9	R	10.7	2.1	8-17
	L	11.2	2.8	6-16		L	10.3	2.2	6-20
10-11	R	13.9	2.7	7-21	10-11	R	13.5	2.2	11-22
	L	13.2	2.9	8-23		L	12.6	2.0	10-17
12-13	R	15.5	3.6	8-26	12-13	R	15.4	2.6	11-23
	L	15.1	4.1	8-23		L	14.2	2.8	10-20
14-15	R	19.2	4.2	11-28	14-15	R	15.6	3.3	9-26
	L	18.8	5.0	10-33		L	14.7	3.4	8-25
16-17	R	22.2	5.0	17-39	16-17	R	17.8	3.9	12-27
	L	20.3	4.1	14-31		L	16.6	3.9	10-26
18-19	R	23.8	4.3	17-34	18-19	R	20.2	3.3	10-26
	L	23.4	4.5	16-34		L	19.0	3.0	14-25

AVERAGE PERFORMANCE OF NORMAL SUBJECTS ON TIP PINCH (lb)

MALES					FEMALES				
Age	Hand	Mean	SD	Range	Age	Hand	Mean	SD	Range
6-7	R	7.2	1.6	4-10	6-7	R	6.7	1.2	4-10
	L	7.1	1.4	5-11		L	6.1	1.5	3-10
8-9	R	8.6	2.2	6-17	8-9	R	7.6	1.4	5-10
	L	8.3	2.2	4-15		L	7.2	1.3	5-10
10-11	R	10.0	2.4	5-16	10-11	R	9.7	1.4	7-13
	L	9.5	2.3	5-16		L	9.4	1.7	6-12
12-13	R	10.5	2.5	5-14	12-13	R	10.6	2.2	6-17
	L	9.8	2.3	5-13		L	10.1	2.3	5-17
14-15	R	13.1	2.9	8-20	14-15	R	10.2	2.3	5-15
	L	12.6	3.0	6-18		L	9.5	2.4	4-17
16-17	R	15.0	2.7	11-21	16-17	R	11.9	2.3	9-19
	L	13.8	2.7	7-22		L	11.1	2.3	7-17
18-19	R	17.0	3.8	10-31	18-19	R	13.5	2.8	7-20
	L	16.1	3.8	11-29		L	13.4	2.9	8-20