

2019/10/23-02**WORKERS' COMPENSATION BOARD****RESOLUTION OF THE BOARD OF DIRECTORS****RE: The 2018 Annual Review of the Permanent Disability Evaluation Schedule****WHEREAS:**

Pursuant to section 82 of the *Workers Compensation Act*, R.S.B.C. 1996, c. 492 ("Act"), the Board of Directors of the Workers' Compensation Board ("WorkSafeBC") must set and revise as necessary the policies of the Board of Directors, including policies respecting compensation, assessment, rehabilitation, and occupational health and safety;

AND WHEREAS:

Section 23(1) of the *Act* provides that if a permanent partial disability results from a worker's injury, WorkSafeBC must estimate the impairment of earning capacity from the nature and degree of the injury, and pay the worker compensation that is a periodic payment that equals 90% of WorkSafeBC's estimate of the loss of average net earnings resulting from the impairment;

AND WHEREAS:

Section 23(2) of the *Act* provides that WorkSafeBC may compile a rating schedule of percentages of impairment of earning capacity for specified injuries or mutilations which may be used as a guide in determining the compensation payable in permanent disability cases;

AND WHEREAS:

WorkSafeBC has adopted the *Permanent Disability Evaluation Schedule* ("PDES") found in Appendix 4 to the *Rehabilitation Services & Claims Manual*, Volume II ("RS&CM"), as the schedule used for guidance in the measurement of permanent partial disability for the purposes of section 23(1) and (2) of the *Act*,

AND WHEREAS:

The PDES is reviewed on an annual basis to ensure it remains current with developments in the medical and scientific literature. As a result of the most recent annual review, amendments to the PDES have been proposed as set out in the attached Appendix 1 to this Resolution;

AND WHEREAS:

The Policy, Regulation and Research Division has undertaken stakeholder consultation on this issue and has advised the Board of Directors on the results of the consultation;

THE BOARD OF DIRECTORS RESOLVES THAT:

1. The amendments to the PDES attached as Appendix 4 of the *RS&CM* set out in Appendix 1 to this Resolution are approved.
2. This Resolution is effective December 1, 2019, and applies to all decisions made on or after December 1, 2019.
3. This Resolution constitutes a policy decision of the Board of Directors.

I, Ralph McGinn, hereby certify for and on behalf of the Board of Directors of WorkSafeBC that the above resolutions were duly passed at a meeting of the Board of Directors held in Richmond, British Columbia, October 23, 2019.

RALPH MCGINN, P.ENG
CHAIR, Board of Directors
Workers' Compensation Board

APPENDIX 1

APPENDIX 4, *REHABILITATION SERVICES & CLAIMS MANUAL, VOLUME II*

Additions in Bold. Deletions Struckthrough

VI. Lower Extremity

	Percentage
Total Hip Prosthesis (including Femoral Head Prosthesis)	6
Total Knee Prosthesis or Hemiarthroplasty.....	9
Total Ankle Prosthesis/Complete Ankle Replacement.....	5
Comminuted Calcaneal Fractures.....	0—7
Patellectomy	
Partial	3
Total	6

Note: Section XI, “Central Nervous System Conditions”, under heading F. Stance and Gait, provides guidance on rating disability associated with stance and gait disturbances. Ratings under that heading are only to be applied if there is no other way of assessing the worker’s lower extremity disability provided in the Schedule (e.g. based on amputation value, immobility of joints, etc.).

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VIII. Peripheral Nervous System Conditions

B. Table of Awards for Peripheral Nerve Conditions

(Values listed in this table are percentages of total disability)

The full values in each of the grades listed in the table below will be awarded for sensory and/or motor loss affecting the whole or partial distribution of the nerve.

		Sensory	Motor
Long Thoracic Nerve			
	Normal	n/a	0
	Mild	n/a	2
	Moderate	n/a	3
	Marked	n/a	4
	Complete	n/a	5
Median Nerve			
At elbow	Normal	0	0
	Mild	5	5
	Moderate	10	10
	Marked	15	15
	Complete	20	20
At wrist	Normal	0	0
	Mild	3	2
	Moderate	6	4
	Marked	9	6
	Complete	12	8
Ulnar Nerve			
At elbow	Normal	0	0
	Mild	0.75	3
	Moderate	1.5	6
	Marked	2.25	10
	Complete	3	16
At wrist	Normal	0	0
	Mild	0.6	2
	Moderate	1.2	4
	Marked	1.8	8
	Complete	2.4	10

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VIII. Peripheral Nervous System Conditions

Radial Nerve	Sensory	Motor
Normal	0	0
Mild	0.5	4.5
Moderate	1	9
Marked	1.5	13.5
Complete	2	18

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IX. Nerve Root Conditions

B. Table of Awards for Nerve Root Conditions

(Values listed in this table are percentages of total disability)

The C4 spinal level is considered on a case-by-case basis for both sensory and motor loss.

The full values in each of the grades listed in the table below will be awarded for sensory and/or motor loss affecting the whole or partial distribution of the nerve.

Nerve Root	Grades	Sensory	Motor
C5	Normal	0	0
	Mild	1	4
	Moderate	2	8
	Marked	3	12
	Complete	4	16
C6	Normal	0	0
	Mild	1.5	4.5
	Moderate	3	9
	Marked	4.5	13.5
	Complete	6	18
C7	Normal	0	0
	Mild	1	5
	Moderate	2	10
	Marked	3	15
	Complete	4	20
C8	Normal	0	0
	Mild	1	6
	Moderate	2	12
	Marked	3	18
	Complete	4	24
T1	Normal	0	0
	Mild	0.5	3
	Moderate	1	6
	Marked	1.5	10
	Complete	2	14

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X. Spine

A. General

The following principles apply to assessment of disability in the spine:

- Anatomical loss or damage resulting from injury or surgery may contribute to physical disability of the spine. When anatomic and/or surgical disability is present as well as loss of range of motion of the spine, the final disability rating is based on the greater of the two.
- Range of motion of the spine is difficult to assess on a consistent basis because the joints of the spine are small, inaccessible and not externally visible. ~~Only movement of a region of the spine can be measured; it is not possible to measure mobility of a single vertebra.~~
- **Only movement of a region of the spine can be measured; it is not possible to measure mobility of a single vertebra.**
- A loss of range of motion in the spine of three degrees or less generally does not impair a worker's earning capacity to an ascertainable degree.

Total paraplegia is rated as 100% of total disability.

Total quadriplegia is rated as 100% of total disability.

A verterectomy merits an award equivalent to the rating for a two-level fusion, plus the **maximum rating for total collapse available if the removed vertebra has a compression fracture with over 50% compression.**

B. Cervical Spine

	Percentage
Compression fractures	
Up to 50% compression	0 – 2
Over 50% compression	2 – 4
Impairment resulting from surgical loss of intervertebral disc C1 to D1	2 per level
Ankylosis (fusion) C1 to D1 including surgical loss of intervertebral disc	3 per level
C1 Jefferson Fracture	2
Loss of range of motion	
Flexion	0 – 6
Extension	0 – 3

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X. Spine

Lateral flexion right and left	each 0 – 2
Rotation right and left	each 0 – 4

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XXIII. Contact Dermatitis

Grade	Signs and Symptoms	Treatment (see below for details)	Percentage
Grade 1	Skin disorder signs and symptoms not present when the worker is removed from a workplace sensitizing agent, but the worker reacts with recurrent signs and symptoms of marked extent and severity when exposed to the sensitizing agent. The worker experiences these signs and symptoms when he or she returns to the workplace under conditions that do not expose the worker to irritant levels of the sensitizing agent or other known dermal irritants. After considering medical advice, the Board determines that the worker must avoid workplaces containing the sensitizing agent. In assessing the disability rating, the Board considers the extent to which the sensitizing agent is commonly found in work environments. Generally, the more common the sensitizing agent, the higher the disability rating.	Requires no treatment.	1 – 2
Grade 2	Skin disorder signs and symptoms present or intermittently present.	Requires no or intermittent treatment with agents listed in 1 below.	3 – 5
Grade 3	Skin disorder signs and symptoms intermittently or constantly present.	Requires intermittent treatment with agents listed in 1 and 2 below.	6 – 24
Grade 4	Skin disorder signs and symptoms constantly present.	Constant treatment with agents listed in 1 and 2 below. Cases such as these are rare and require tertiary level medical input.	25 – 50

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XXIII. Contact Dermatitis

In evaluating the severity of the worker's condition and its effect on earning capacity, the Board officer may consider the limitations experienced by the worker in his or her activities of daily living.

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APPENDIX A

ADULT PINCH AND GRIP STRENGTH, Mathiowetz et al. [Arch. Phys. Med. Rehabil. Vol. 66, Feb 85]
Table 1: Average Performance of All Subjects on Grip Strength (pounds)

Age	Hand	Men					Women				
		Mean	SD	SE	Low	High	Mean	SD	SE	Low	High
20-24	R	121.0	20.6	3.8	91	167	70.4	14.5	2.8	46	95
	L	104.5	21.8	4.0	71	150	61.0	13.1	2.6	33	88
25-29	R	120.8	23.0	4.4	78	158	74.5	13.9	2.7	48	97
	L	110.5	16.2	3.1	77	139	63.5	12.2	2.4	48	97
30-34	R	121.8	22.4	4.3	70	170	78.7	19.2	3.8	46	137
	L	110.4	21.7	4.2	64	145	68.0	17.7	3.5	36	115
35-39	R	119.7	24.0	4.8	76	176	74.1	10.8	2.2	50	99
	L	112.9	21.7	4.4	73	157	66.3	11.7	2.3	49	94
40-44	R	116.8	20.7	4.1	84	165	70.4	13.5	2.4	38	103
	L	112.8	18.7	3.7	73	157	62.3	13.8	2.5	35	94
45-49	R	109.9	23.0	4.3	65	155	62.2	15.1	3.0	39	100
	L	100.8	22.8	4.3	58	160	56.0	12.7	2.5	37	83
50-54	R	113.6	18.1	3.6	79	151	65.8	11.6	2.3	38	87
	L	101.9	17.0	3.4	70	143	57.3	10.7	2.1	35	76
55-59	R	101.1	26.7	5.8	59	154	57.3	12.5	2.5	33	86
	L	83.2	23.4	5.1	43	128	47.3	11.9	2.4	34	76
60-64	R	89.7	20.4	4.2	51	137	55.1	10.1	2.0	37	77
	L	76.8	20.3	4.1	27	116	45.7	10.1	2.0	29	66
65-69	R	91.1	20.6	4.0	56	131	49.6	9.7	1.8	35	74
	L	76.8	19.8	3.8	43	117	41.0	8.2	1.5	29	63
70-74	R	75.3	21.5	4.2	32	108	49.6	11.7	2.2	33	78
	L	64.8	18.1	3.7	32	93	41.5	10.2	1.9	23	67
75+	R	65.7	21.0	4.2	40	135	42.6	11.0	2.2	25	65
	L	55.0	17.0	3.4	31	119	37.6	8.9	1.7	24	61
All subjects	R	104.3	28.3	1.6	32	176	62.8	17.0	0.96	25	137
	L	93.1	27.6	1.6	27	160	53.9	15.7	0.88	23	115

ADULT PINCH AND GRIP STRENGTH, Mathiowetz et al. [Arch. Phys. Med. Rehabil. Vol. 66, Feb 85]
Table 2: Average Performance of All Subjects on Key Pinch (pounds)

Age	Hand	Men					Women				
		Mean	SD	SE	Low	High	Mean	SD	SE	Low	High
20-24	R	26.0	3.5	0.65	21	34	17.6	2.0	0.39	14	23
	L	24.8	3.4	0.64	19	34	16.2	2.1	0.44	13	23
25-29	R	26.7	4.9	0.94	19	44	17.7	2.1	0.44	14	22
	L	25.0	4.4	0.85	19	39	16.6	2.1	0.44	13	22
30-34	R	26.4	4.8	0.93	20	36	18.7	3.0	0.60	13	25
	L	26.2	5.1	0.98	17	36	17.8	3.6	0.70	12	26
35-39	R	26.1	3.2	0.65	21	32	16.6	2.0	0.40	12	24
	L	25.6	3.9	0.77	18	32	16.0	2.7	0.53	12	22
40-44	R	25.6	2.6	0.50	21	34	16.7	3.1	0.56	10	24
	L	25.1	4.0	0.79	19	34	15.8	3.1	0.55	8	22
45-49	R	25.8	3.9	0.73	19	35	17.6	3.2	0.65	13	24
	L	24.8	4.4	0.84	18	42	16.6	2.9	0.58	12	24
50-54	R	26.7	4.4	0.88	20	34	16.7	2.5	0.50	12	22
	L	26.1	4.2	0.84	20	37	16.1	2.7	0.53	12	22
55-59	R	24.2	4.2	0.92	18	34	15.7	2.5	0.50	11	21
	L	23.0	4.7	1.02	13	34	14.7	2.2	0.44	12	19
60-64	R	23.2	5.4	1.13	14	37	15.5	2.7	0.55	10	20
	L	22.2	4.1	0.84	16	33	14.1	2.5	0.50	10	19
65-69	R	23.4	3.9	0.75	17	32	15.0	2.6	0.49	10	21
	L	22.0	3.6	0.70	17	28	14.3	2.8	0.53	10	20
70-74	R	19.3	2.4	0.47	16	25	14.5	2.9	0.54	8	22
	L	19.2	3.0	0.59	13	28	13.8	3.0	0.56	9	22
75+	R	20.5	4.6	0.94	9	34	12.6	2.3	0.45	8	17
	L	19.1	3.0	0.59	13	24	11.4	2.6	0.50	7	16
All subjects	R	24.5	4.6	0.26	9	44	16.2	3.0	0.17	8	25
	L	23.6	4.6	0.26	11	42	15.3	3.1	0.18	7	26

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Age	Hand	Men				Women							
		Mean	SD	SE	Low	High	Mean	SD	SE	Low	High		
20-24	R	121.0	20.6	3.8	91	167	70.4	14.5	2.8	46	95		
	L	104.5	21.8	4.0	71	150	61.0	13.1	2.6	33	88		
25-29	R	120.8	23.0	4.4	78	158	74.5	13.9	2.7	48	97		
	L	110.5	16.2	3.1	77	139	63.5	12.2	2.4	48	97		
30-34	R	121.8	22.4	4.3	70	170	78.7	19.2	3.8	46	137		
	L	110.4	21.7	4.2	64	145	68.0	17.7	3.5	36	115		
35-39	R	119.7	24.0	4.8	76	176	74.1	10.8	2.2	50	99		
	L	112.9	21.7	4.4	73	157	66.3	11.7	2.3	49	91		
40-44	R	116.8	20.7	4.1	84	165	70.4	13.5	2.4	38	103		
	L	112.8	18.7	3.7	73	157	62.3	13.8	2.5	35	94		
45-49	R	109.9	23.0	4.3	65	155	62.2	15.1	3.0	39	100		
	L	100.8	22.8	4.3	58	160	56.0	12.7	2.5	37	83		
50-54	R	113.6	18.1	3.6	79	151	65.8	11.6	2.3	38	87		
	L	101.9	17.0	3.4	70	143	57.3	10.7	2.1	35	76		
55-59	R	101.1	26.7	5.8	59	154	57.3	12.5	2.5	33	86		
	L	83.2	23.4	5.1	43	128	47.3	11.9	2.4	31	76		
60-64	R	89.7	20.4	4.2	51	137	55.1	10.1	2.0	37	77		
	L	76.8	20.3	4.1	27	116	45.7	10.1	2.0	29	66		
65-69	R	91.1	20.6	4.0	56	131	49.6	9.7	1.8	35	74		
	L	76.8	19.8	3.8	43	117	41.0	8.2	1.5	29	63		
70-74	R	75.3	21.5	4.2	32	108	49.6	11.7	2.2	33	78		
	L	64.8	18.1	3.7	32	93	41.5	10.2	1.9	23	67		
75+	R	65.7	21.0	4.2	40	135	42.6	11.0	2.2	25	65		
	L	55.0	17.0	3.4	31	119	37.6	8.9	1.7	24	61		
All subjects	R	104.3	28.3	1.6	32	176	62.8	17.0	0.96	25	137		
subjects	L	93.1	27.6	1.6	27	160	53.9	15.7	0.88	23	115		

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Table 1: Average Performance of All Subjects on Grip Strength (kilograms)													
Age	Hand	Men				Women							
		Mean	SD	SE	Low	High	Mean	SD	SE	Low	High		
20-24	R	54.9	9.3	1.7	41.3	75.7	31.9	6.6	1.3	20.9	43.1		
	L	47.4	9.9	1.8	32.2	68.0	27.7	5.9	1.2	15.0	39.9		
25-29	R	54.8	10.4	2.0	35.4	71.7	33.8	6.3	1.2	21.8	44.0		
	L	50.1	7.3	1.4	34.9	63.0	28.8	5.5	1.1	21.8	44.0		
30-34	R	55.2	10.2	2.0	31.8	77.1	35.7	8.7	1.7	20.9	62.1		
	L	50.1	9.8	1.9	29.0	65.8	30.8	8.0	1.6	16.3	52.2		
35-39	R	54.3	10.9	2.2	34.5	79.8	33.6	4.9	1.0	22.7	44.9		
	L	51.2	9.8	2.0	33.1	71.2	30.1	5.3	1.0	22.2	41.3		
40-44	R	53.0	9.4	1.9	38.1	74.8	31.9	6.1	1.1	17.2	46.7		
	L	51.2	8.5	1.7	33.1	71.2	28.3	6.3	1.1	15.9	42.6		
45-49	R	49.8	10.4	2.0	29.5	70.3	28.2	6.8	1.4	17.7	45.4		
	L	45.7	10.3	2.0	26.3	72.6	25.4	5.8	1.1	16.8	37.6		
50-54	R	51.5	8.2	1.6	35.8	68.5	29.8	5.3	1.0	17.2	39.5		
	L	46.2	7.7	1.5	31.8	64.9	26.0	4.9	0.95	15.9	34.5		
55-59	R	45.9	12.1	2.6	26.8	69.9	26.0	5.7	1.1	15.0	39.0		
	L	37.7	10.6	2.3	19.5	58.1	21.5	5.4	1.1	14.1	34.5		
60-64	R	40.7	9.3	1.9	23.1	62.1	25.0	4.6	0.91	16.8	34.9		
	L	34.8	9.2	1.9	12.2	52.6	20.7	4.6	0.91	13.2	29.9		
65-69	R	41.3	9.3	1.8	25.4	59.4	22.5	4.4	0.82	15.9	33.6		
	L	34.8	9.0	1.7	19.5	53.1	18.6	3.7	0.68	13.2	28.6		
70-74	R	34.2	9.8	1.9	14.5	49.0	22.5	5.3	1.0	15.0	35.4		
	L	29.4	8.2	1.7	14.5	42.2	18.8	4.6	0.86	10.4	30.4		
75+	R	29.8	9.5	1.9	18.1	61.2	19.3	5.0	1.0	11.3	29.5		
	L	24.9	7.7	1.5	14.1	54.0	17.1	4.0	0.77	10.9	27.7		
All subjects	R	47.3	12.8	0.73	14.5	79.8	28.5	7.7	0.44	11.3	62.1		
subjects	L	42.2	12.5	0.73	12.2	72.6	24.4	7.1	0.40	10.4	52.2		

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Table 2: Average Performance of All Subjects on Key Pinch (pounds)															
Age	Hand	Men				Women				Mean	SD	SE	Low	High	
		Mean	SD	SE	Low	Mean	SD	SE	Low						
20-24	R	26.0	3.5	0.65	21	34	17.6	2.0	0.39	14	23				
	L	24.8	3.4	0.64	19	31	16.2	2.1	0.41	13	23				
25-29	R	26.7	4.9	0.94	19	41	17.7	2.1	0.41	14	22				
	L	25.0	4.4	0.85	19	39	16.6	2.1	0.41	13	22				
30-34	R	26.4	4.8	0.93	20	36	18.7	3.0	0.60	13	25				
	L	26.2	5.1	0.98	17	36	17.8	3.6	0.70	12	26				
35-39	R	26.1	3.2	0.65	21	32	16.6	2.0	0.40	12	21				
	L	25.6	3.9	0.77	18	32	16.0	2.7	0.53	12	22				
40-44	R	25.6	2.6	0.50	21	31	16.7	3.1	0.56	10	24				
	L	25.1	4.0	0.79	19	31	15.8	3.1	0.55	8	22				
45-49	R	25.8	3.9	0.73	19	35	17.6	3.2	0.65	13	24				
	L	24.8	4.4	0.84	18	42	16.6	2.9	0.58	12	24				
50-54	R	26.7	4.4	0.88	20	34	16.7	2.5	0.50	12	22				
	L	26.1	4.2	0.84	20	37	16.1	2.7	0.53	12	22				
55-59	R	24.2	4.2	0.92	18	34	15.7	2.5	0.50	11	21				
	L	23.0	4.7	1.02	13	31	14.7	2.2	0.44	12	19				
60-64	R	23.2	5.4	1.13	14	37	15.5	2.7	0.55	10	20				
	L	22.2	4.1	0.84	16	33	14.1	2.5	0.50	10	19				
65-69	R	23.4	3.9	0.75	17	32	15.0	2.6	0.49	10	21				
	L	22.0	3.6	0.70	17	28	14.3	2.8	0.53	10	20				
70-74	R	19.3	2.4	0.47	16	25	14.5	2.9	0.54	8	22				
	L	19.2	3.0	0.59	13	28	13.8	3.0	0.56	9	22				
75+	R	20.5	4.6	0.91	9	31	12.6	2.3	0.45	8	17				
	L	19.1	3.0	0.59	13	24	11.4	2.6	0.50	7	16				
All	R	24.5	4.6	0.26	9	41	16.2	3.0	0.17	8	25				
subjects	L	23.6	4.6	0.26	11	42	15.3	3.1	0.18	7	26				

ADULT PINCH AND GRIP STRENGTH, Mathiowetz et al. [Arch. Phys. Med. Rehabil. Vol. 66, Feb 85]															
Table 2: Average Performance of All Subjects on Key Pinch (kilograms)															
Age	Hand	Men				Women				Mean	SD	SE	Low	High	
		Mean	SD	SE	Low	Mean	SD	SE	Low						
20-24	R	11.8	1.6	0.29	9.5	15.4	8.0	0.91	0.18	6.4	10.4				
	L	11.2	1.5	0.29	8.6	14.1	7.3	1.0	0.19	5.9	10.4				
25-29	R	12.1	2.2	0.43	8.6	18.6	8.0	1.0	0.19	6.4	10.0				
	L	11.3	2.0	0.39	8.6	17.7	7.5	1.0	0.19	5.9	10.0				
30-34	R	12.0	2.2	0.42	9.1	16.3	8.5	1.4	0.27	5.9	11.3				
	L	11.9	2.3	0.44	7.7	16.3	8.1	1.6	0.32	5.4	11.8				
35-39	R	11.8	1.5	0.29	9.5	14.5	7.5	0.9	0.18	5.4	9.5				
	L	11.6	1.8	0.35	8.2	14.5	7.3	1.2	0.24	5.4	10.0				
40-44	R	11.6	1.2	0.23	9.5	14.1	7.6	1.4	0.25	4.5	10.9				
	L	11.4	1.8	0.36	8.6	14.1	7.2	1.4	0.25	3.6	10.0				
45-49	R	11.7	1.8	0.33	8.6	15.9	8.0	1.5	0.29	5.9	10.9				
	L	11.2	2.0	0.38	8.2	19.1	7.5	1.3	0.26	5.4	10.9				
50-54	R	12.1	2.0	0.40	9.1	15.4	7.6	1.1	0.23	5.4	10.0				
	L	11.8	1.9	0.38	9.1	16.8	7.3	1.2	0.24	5.4	10.0				
55-59	R	11.0	1.9	0.42	8.2	15.4	7.1	1.1	0.23	5.0	9.5				
	L	10.4	2.1	0.46	5.9	14.1	6.7	1.0	0.20	5.4	8.6				
60-64	R	10.5	2.4	0.51	6.4	16.8	7.0	1.2	0.25	4.5	9.1				
	L	10.1	1.9	0.38	7.3	15.0	6.4	1.1	0.23	4.5	8.6				
65-69	R	10.6	1.8	0.34	7.7	14.5	6.8	1.2	0.22	4.5	9.5				
	L	10.0	1.6	0.32	7.7	12.7	6.5	1.3	0.24	4.5	9.1				
70-74	R	8.8	1.1	0.21	7.3	11.3	6.6	1.3	0.24	3.6	10.0				
	L	8.7	1.4	0.27	5.9	12.7	6.3	1.4	0.25	4.1	10.0				
75+	R	9.3	2.1	0.41	4.1	14.1	5.7	1.0	0.20	3.6	7.7				
	L	8.7	1.4	0.27	5.9	10.9	5.2	1.2	0.23	3.2	7.3				
All	R	11.1	2.1	0.12	4.1	18.6	7.3	1.4	0.08	3.6	11.3				
subjects	L	10.7	2.1	0.12	5.0	19.1	6.9	1.4	0.08	3.2	11.8				