

# BTracks™

## mCTSIB Normative Data

Balance Tracking Systems has been collecting mCTSIB results from thousands of healthy individuals since 2016. With BTracks Assess Balance Advanced Version 6.5 we apply these norms when an individual is tested with the mCTSIB. After an individual is tested, the Assess Balance Software compares each trial to the norms of a healthy, average middle-aged adult and those dictate

the percentile ranking for that trial. The software will flag, with a red color, any result that is in the lowest 25%. The software will flag, with a green color, any result that is in the top 75%. The overall objective is that anyone being flagged red is equivalent to a poor performing healthy adult and should be considered for further evaluation.

### BTracks mCTSIB Norms for SW v6.5.9

%ile	Standard		Proprioception		Vision		Vestibular		Composite	
	M	F	M	F	M	F	M	F	M	F
100%	7	5	9	8	11	9	27	24	67	55
90%	11	10	15	14	18	17	45	40	100	90
80%	12	11	17	16	21	20	52	46	112	102
70%	14	13	20	18	24	23	59	52	123	111
60%	15	14	22	20	26	25	63	56	132	119
50%	16	15	24	21	30	27	70	61	142	127
40%	18	16	27	23	32	30	75	66	153	135
30%	20	18	31	26	35	33	85	73	168	149
25%	21	19	32	28	37	35	91	79	176	157
20%	22	20	34	29	40	37	97	86	186	168
10%	26	23	41	34	48	44	120	104	225	197
1%	55	84	130	70	120	169	225	207	401	373



STANDARD



PROPRIOCEPTION



VISION



VESTIBULAR

## Supplemental mCTSIB Normative Data for Younger and Older Individuals

When testing individuals aged 5-19 and aged 60 and above it is sometimes helpful to understand how the test results compare to others in a similar age range. The tables below provide an age-based comparison for four groups of people

(age 5-9, 10-14, 15-19 and 60 and above). These tables can be particularly helpful when testing younger and older individuals who may be suffering injuries and comparing their results to an average adult is not the only desirable analysis.

### BTrackS mCTSIB Norms (Ages 5-9 years)

%ile	Standard		Proprioception		Vision		Vestibular		Composite	
	M	F	M	F	M	F	M	F	M	F
100%	13	12	20	17	14	17	28	30	94	91
90%	17	16	26	23	23	21	46	44	132	116
80%	20	19	31	27	26	24	52	48	140	130
70%	22	21	34	30	29	27	57	53	153	138
60%	25	23	37	32	33	29	62	59	162	149
50%	27	24	39	33	35	33	67	63	172	155
40%	30	27	43	38	39	37	73	65	183	169
30%	34	29	48	42	44	40	79	71	203	181
25%	36	32	50	44	46	42	81	78	212	188
20%	37	32	54	46	49	45	85	80	217	193
10%	45	41	60	59	59	55	103	91	262	236
1%	95	98	132	74	138	84	173	141	450	327

### BTrackS mCTSIB Norms (Ages 15-19 years)

%ile	Standard		Proprioception		Vision		Vestibular		Composite	
	M	F	M	F	M	F	M	F	M	F
100%	7	9	8	9	14	12	31	25	77	63
90%	12	10	17	16	20	17	43	38	101	86
80%	14	12	19	17	21	19	49	43	110	100
70%	15	13	22	19	23	21	53	46	119	111
60%	16	14	23	21	25	23	58	50	127	118
50%	17	15	25	24	27	25	62	53	135	123
40%	19	17	27	26	30	27	67	59	143	127
30%	20	18	30	28	32	29	71	64	150	136
20%	23	21	33	30	35	31	78	73	165	145
10%	28	24	38	35	41	36	94	86	186	171
1%	45	42	56	57	66	53	160	114	288	226

### BTrackS mCTSIB Norms (Ages 10-14 years)

%ile	Standard		Proprioception		Vision		Vestibular		Composite	
	M	F	M	F	M	F	M	F	M	F
100%	10	9	10	16	15	12	32	31	72	74
90%	14	13	20	18	18	18	38	38	99	97
80%	16	15	23	22	20	19	42	43	106	107
70%	17	16	25	24	23	22	46	45	115	114
60%	20	17	27	26	26	24	50	47	126	119
50%	23	19	28	28	27	25	54	52	142	129
40%	26	21	34	31	29	26	61	57	153	138
30%	31	23	39	34	34	29	66	64	167	146
25%	32	24	39	35	35	30	67	66	170	149
20%	36	24	40	36	39	31	69	67	179	153
10%	41	26	55	38	44	38	81	78	196	164
1%	56	33	61	82	62	49	111	147	250	292

### BTrackS mCTSIB Norms (Ages 60+ years)

%ile	Standard		Proprioception		Vision		Vestibular		Composite	
	M	F	M	F	M	F	M	F	M	F
100%	10	9	15	11	18	15	24	42	100	109
90%	14	14	23	19	28	28	66	65	147	133
80%	17	16	27	23	33	32	77	74	161	165
70%	18	17	31	27	37	36	93	88	203	175
60%	21	19	38	29	39	40	102	95	218	188
50%	23	21	44	33	44	43	113	101	232	208
40%	24	24	46	36	49	49	117	109	240	224
30%	29	26	50	42	56	54	130	117	258	245
25%	33	28	54	45	59	57	135	126	274	251
20%	35	30	58	48	63	62	152	132	284	259
10%	42	34	72	56	74	73	179	161	309	294
1%	67	57	143	94	158	118	277	261	593	429



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