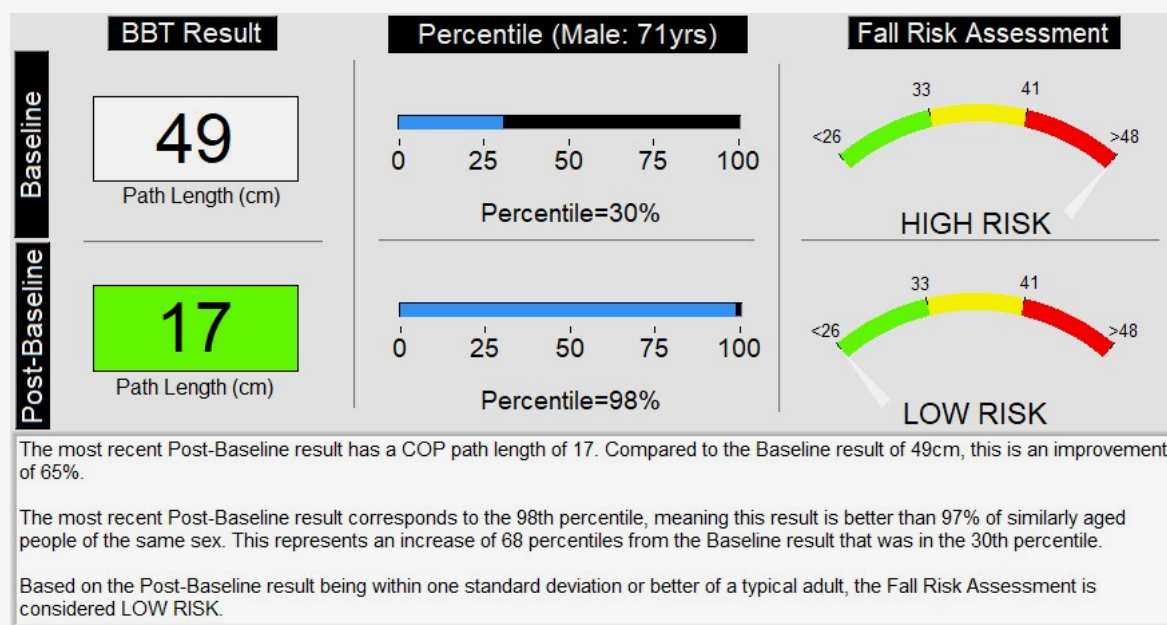


## Balance & Fall Risk (Main Results)

 Name: Sample Profile  
 ID#: XXXXXX  
 Facility: \_\_\_\_\_

Balance and Fall Risk are determined using the BTrackS Balance Test. This test obtains a result equal to the average center of pressure path length, displayed in centimeters, from three 20-second testing trials. Percentile rankings for age and sex are derived from the BTrackS Normative Database which includes 20,000+ results from individuals aged 5-100 years. Fall Risk Assessment (FRA) is based on the number of standard deviations a result is from an average adult aged 20-39 years.



### Baseline Results

DATE	T1	T2	T3	BBT	%	FRA	NOTE
2/1/2018 3:47:02 PM	48	44	56	49	30	HIGH	Initial Visit

### Post-Baseline Results

DATE	T1	T2	T3	BBT	%	FRA	NOTE
2/8/2018 3:20:10 PM	39	44	44	42	44	HIGH	Wk 1 Follow-up
3/2/2018 4:24:24 PM	40	40	38	39	48	MOD	Wk 4 Follow-up
4/1/2018 2:27:11 PM	33	34	35	34	58	MOD	Wk 8 Follow-up
4/28/2018 3:37:54 PM	24	30	31	29	75	LOW	Wk 12 Follow-up
6/2/2018 3:41:18 PM	23	21	23	22	89	LOW	Wk 16 Follow-up
8/1/2018 1:44:12 PM	19	17	15	17	98	LOW	6 Month Follow-up

Notes: \_\_\_\_\_

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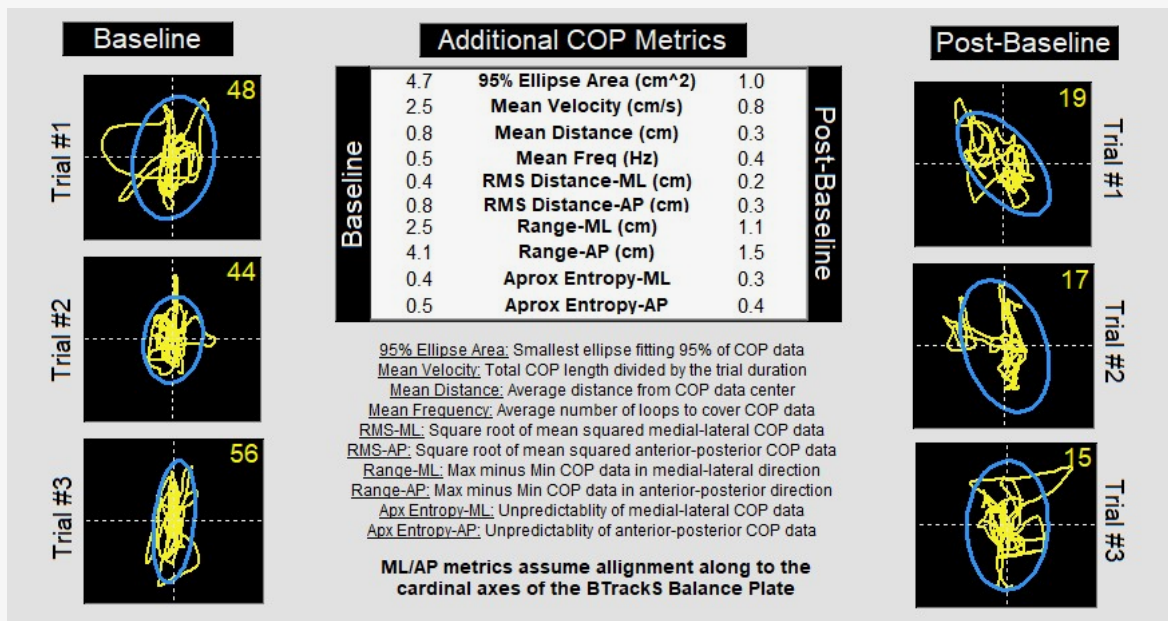
## Balance & Fall Risk (COP Details)

Name: Sample Profile

ID#: XXXXXX

Facility: \_\_\_\_\_

BTrackS Balance Test results are typically determined on the basis of Center of Pressure (COP) path length. Some users may have use, however, for additional COP metrics and/or enlarged visualizations of the raw COP data trace. These metrics and visuals are provided below.



### Baseline Results

DATE	ELL	VEL	DIS	FREQ	RM-ML	RM-AP	RG-ML	RG-AP	EN-ML	EN-AP
2/1/2018 3:47:02 PM	4.7	2.5	0.8	0.5	0.4	0.8	2.5	4.1	0.4	0.5

### Post-Baseline Results

DATE	ELL	VEL	DIS	FREQ	RM-ML	RM-AP	RG-ML	RG-AP	EN-ML	EN-AP
2/8/2018 3:20:10 PM	136.1	2.1	1.2	0.3	0.6	1.3	3.1	5.5	0.4	0.2
3/2/2018 4:24:24 PM	84.2	2.0	0.9	0.3	0.5	1.0	2.7	4.3	0.4	0.3
4/1/2018 2:27:11 PM	35.9	1.7	0.7	0.4	0.3	0.7	1.4	3.2	0.5	0.4
4/28/2018 3:37:54 PM	29.2	1.4	0.5	0.4	0.3	0.6	1.7	2.7	0.4	0.4
6/2/2018 3:41:18 PM	17.4	1.1	0.4	0.4	0.2	0.5	1.0	2.2	0.5	0.4
8/1/2018 1:44:12 PM	1.0	0.8	0.3	0.4	0.2	0.3	1.1	1.5	0.3	0.4

Notes: \_\_\_\_\_

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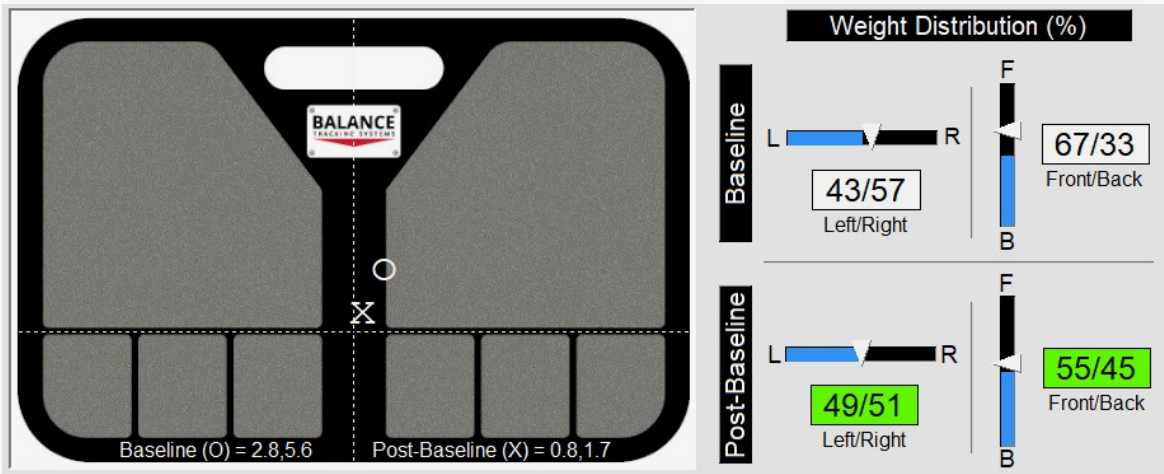
## Weight Distribution

Name: Sample Profile

ID#: XXXXXX

Facility: \_\_\_\_\_

The Weight Distribution test measures Left/Right and Front/Back asymmetries in the natural standing posture of an individual. This is accomplished by tracking the percentage of weight distributed across the BTracks Balance Plate, and the location of the Center of Pressure (COP) for the person being tested relative to an idealized position midway between the ankles.



The left/right weight distribution for the most recent Post-Baseline result (X) is 49/51. This result is closer than the Baseline result (O) to the ideal Left/Right distribution of 50/50. The Front/Back weight distribution for the most recent Post-Baseline is 55/45. This result is closer than the Baseline result to the ideal left/right distribution of 50/50.

Coordinates for COP locations are at the bottom of the BTrackS Balance Plate image above. Ideal coordinate values are equal to zero.

### Baseline Results

DATE	L/R	F/B	COPx	COPy	NOTE
2/1/2018 3:47:02 PM	43/57	67/33	2.8	5.6	Initial Visit

### Post-Baseline Results

DATE	L/R	F/B	COPx	COPy	NOTE
2/8/2018 3:20:10 PM	46/54	63/37	3.0	4.5	Wk 1 Follow-up
3/2/2018 4:24:24 PM	45/55	63/37	2.2	4.5	Wk 4 Follow-up
4/1/2018 2:27:11 PM	48/52	61/39	1.1	3.5	Wk 8 Follow-up
4/28/2018 3:37:54 PM	49/51	58/42	0.4	2.5	Wk 12 Follow-up
6/2/2018 3:41:18 PM	50/50	56/44	0.0	1.8	Wk 16 Follow-up
8/1/2018 1:44:12 PM	49/51	55/45	0.8	1.7	6 Month Follow-up

Notes: \_\_\_\_\_  
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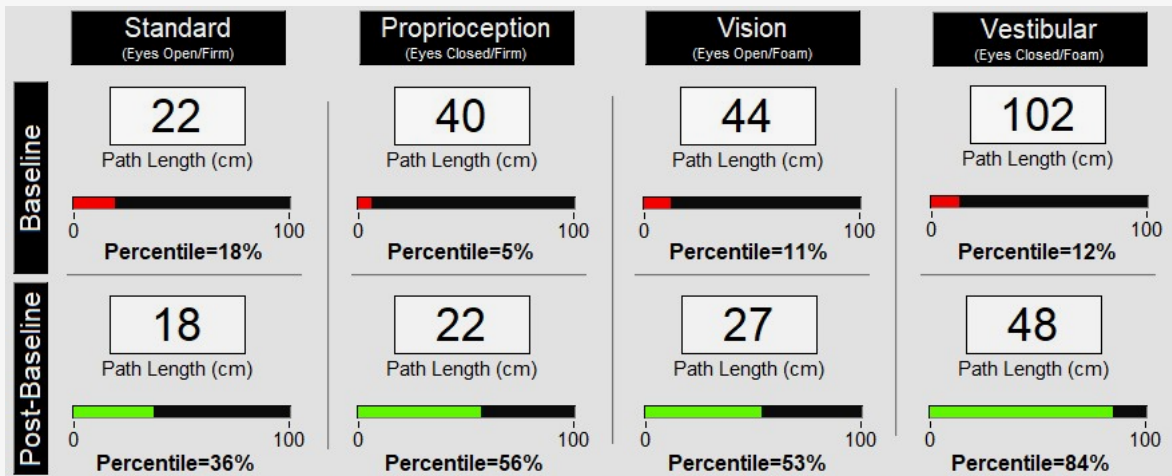




## Modified CTSIB (Main Results)

Name: Sample Profile  
ID#: XXXXXX  
Facility: \_\_\_\_\_

The modified Clinical Test of Sensory Integration and Balance (CTSIB) evaluates sensory contributions to postural control. The first trial is the "Standard" condition where balance is tested with eyes open and two feet on the BTrackS Balance Plate's firm surface. The second (i.e. eyes closed on a firm surface), third (eyes open on a "perturbed", foam surface), and fourth (eyes closed on a foam surface) trials to give an indication of how proprioception, vision and vestibular information are respectively used for balance.



When compared to healthy adults of the same sex, the most recent Baseline mCTSIB results showed bottom quartile performance in four conditions (Standard, Proprioception, Vision, Vestibular). The most recent Post-Baseline mCTSIB test results show bottom quartile performance in zero conditions.

The composite mCTSIB results were 208cm at Baseline and 115cm at Post-Baseline. This is an improvement of 93cm.

### Baseline Results

DATE	STD	%	PRO	%	VIS	%	VES	%	COMP	%	NOTE
2/1/2018 15:47	22	18	40	5	44	11	102	12	208	8	Initial Visit

### Post-Baseline Results

DATE	STD	%	PRO	%	VIS	%	VES	%	COMP	%	NOTE
2/8/2018 15:20	23	14	39	7	44	11	78	28	184	12	Wk 1 Follow-up
3/2/2018 16:24	20	26	36	10	40	15	70	41	166	22	Wk 4 Follow-up
4/1/2018 14:27	18	36	33	15	34	29	60	62	145	37	Wk 8 Follow-up
4/28/2018 15:37	19	31	28	31	30	43	55	71	132	52	Wk 12 Follow-up
6/2/2018 15:41	19	31	23	52	25	61	52	76	119	66	Wk 16 Follow-up
8/1/2018 13:44	18	36	22	56	27	53	48	84	115	71	6 Month Follow-up

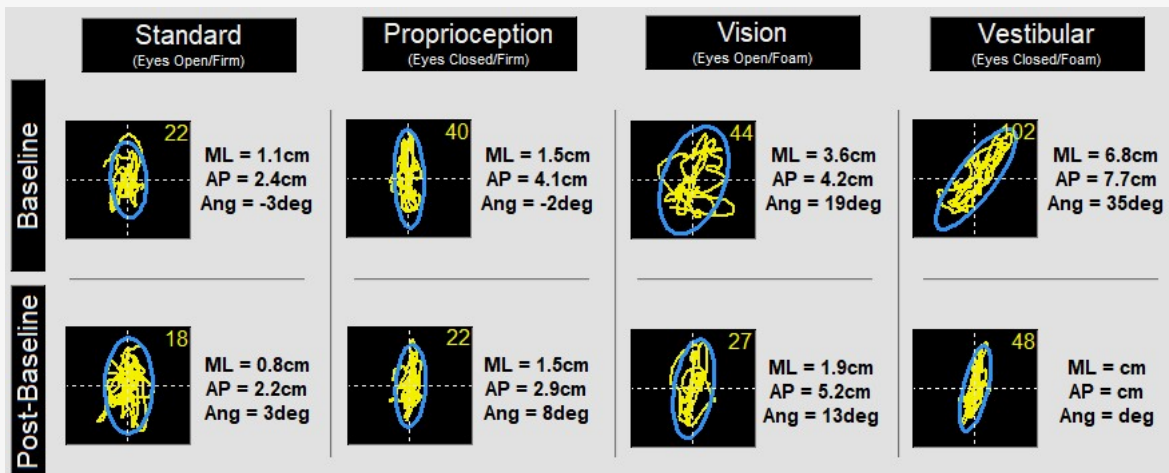
Notes: \_\_\_\_\_  
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## Modified CTSIB (COP Details)

Name: Sample Profile  
ID#: XXXXXX  
Facility: \_\_\_\_\_

Modified CTSIB results are typically determined on the basis of Center of Pressure (COP) path length. Some users may have use, however, for additional COP metrics and/or enlarged visualizations of the raw COP data trace. These metrics and visuals are provided below.



A 95% confidence ellipse is fit to the raw data from each test condition in the graphs above. The ellipses are determined as the smallest ellipse that fits 95% of the Center of Pressure (COP) test data within it. Three metrics describing the data are also provided. The ML and AP metrics give the COP range in the medial/lateral and anterior/posterior directions. The Angle (i.e. Ang) metric quantifies the ellipse rotation to the left (negative) or right (positive) of vertical. ML/AP metrics assume alignment along to the cardinal axes of the BTrackS Balance Plate.

### Baseline Results

DATE	STD (ML,AP,ANG)	PRO (ML,AP,ANG)	VIS (ML,AP,ANG)	VEST (ML,AP,ANG)
2/1/2018 15:47	1.1, 2.4, -3	1.5, 4.1, -2	3.6, 4.2, 19	6.8, 7.7, 35

### Post-Baseline Results

DATE	STD (ML,AP,ANG)	PRO (ML,AP,ANG)	VIS (ML,AP,ANG)	VEST (ML,AP,ANG)
2/8/2018 15:20	1.2, 2.2, 2	1.5, 3.8, 4	3.4, 4.1, 16	6.2, 7.2, 30
3/2/2018 16:24	1.1, 1.9, -2	1.3, 3.6, 2	2.9, 3.6, 11	5.8, 6.8, 25
4/1/2018 14:27	0.9, 1.7, 0	1.1, 3.1, -2	2.1, 3.6, 10	4.2, 6.6, 21
4/28/2018 15:37	0.7, 1.6, 1	0.9, 2.7, 1	1.9, 3.3, 10	3.3, 5.8, 19
6/2/2018 15:41	0.8, 1.3, 2	0.8, 2.5, 1	1.6, 3.1, 9	3.2, 5.3, 16
8/1/2018 13:44	0.8, 2.2, 3	1.5, 2.9, 8	1.9, 5.2, 13	, ,

Notes: \_\_\_\_\_  
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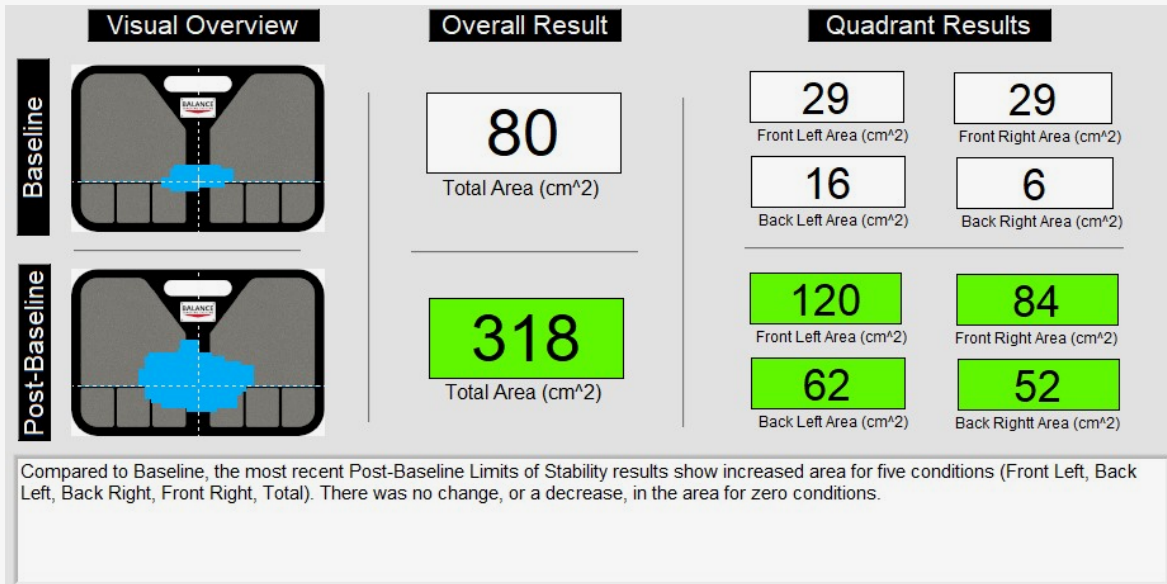
## Limits of Stability

Name: Sample Profile

ID#: XXXXXX

Facility: \_\_\_\_\_

The Limits of Stability Test measures the functional base of support of an individual. Specifically, the individual being tested stands centered on the BTrackS Balance Plate and leans in all directions to determine the area within which he or she can move their Center of Pressure (COP) without falling. This metric is determined for 1) the total area covered and 2) within each quadrant of the BTrackS Balance Plate (i.e. Front Left, Back Left, Front Right, Back Right).



### Baseline Results

DATE	FL	BL	BR	FR	TOTAL	NOTE
2/1/2018 3:47:02 PM	29	16	6	29	80	Initial Visit

### Post-Baseline Results

DATE	FL	BL	BR	FR	TOTAL	NOTE
2/8/2018 3:20:10 PM	24	45	20	22	111	Wk 1 Follow-up
3/2/2018 4:24:24 PM	55	25	27	48	155	Wk 4 Follow-up
6/2/2018 3:41:18 PM	81	35	30	84	230	Wk 16 Follow-up
8/1/2018 1:44:12 PM	120	62	52	84	318	6 Month Follow-up

Notes: \_\_\_\_\_

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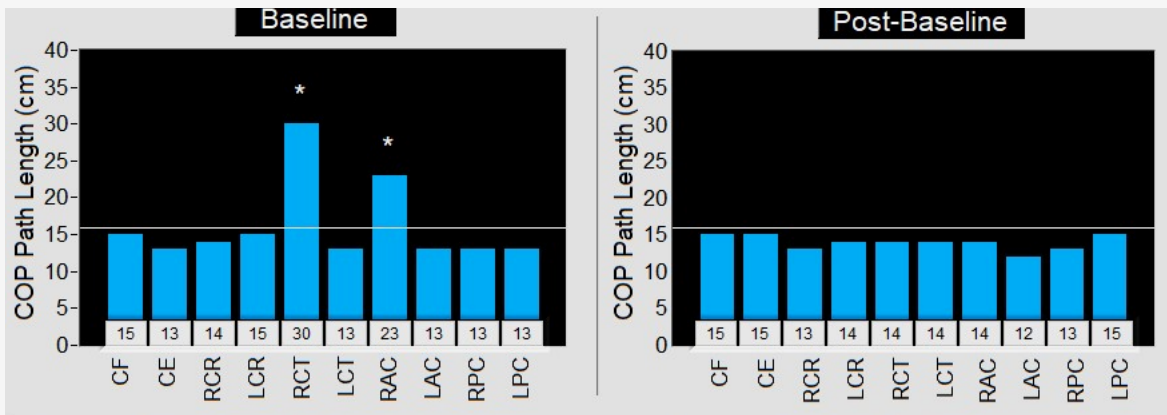
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## Cervical Challenge (Main Results)

Name: **Sample Profile2**  
ID#: **XXXXXX**  
Facility: \_\_\_\_\_

The Cervical Challenge is an evaluation of changes in postural sway that occur when the head is placed into different anatomical positions. There are ten different positions tested, which are compared to a reference condition where the person stands with the head neutral. This test is designed for clinicians with advanced knowledge of the head, neck and spine such as functional neurologists in the domain of chiropractic care.



The most recent Baseline Cervical Challenge results show increased postural sway (\*) in two conditions (Right Cervical Tilt, Right Anterior Canal).

The most recent Post-Baseline results show increased postural sway (\*) in zero conditions.

Increased postural sway is relative to performance on the Head Neutral trial (Baseline=16cm, Post-Baseline=16cm), represented by the white line in each of the graphs above.

### Baseline Results

DATE	NEU	CF	CE	RCR	LCR	RCT	LCT	RAC	LAC	RPC	LPC	NOTE
2/1/2018 3:47:02 PM	16	15	13	14	15	30	13	23	13	13	13	Initial Visit

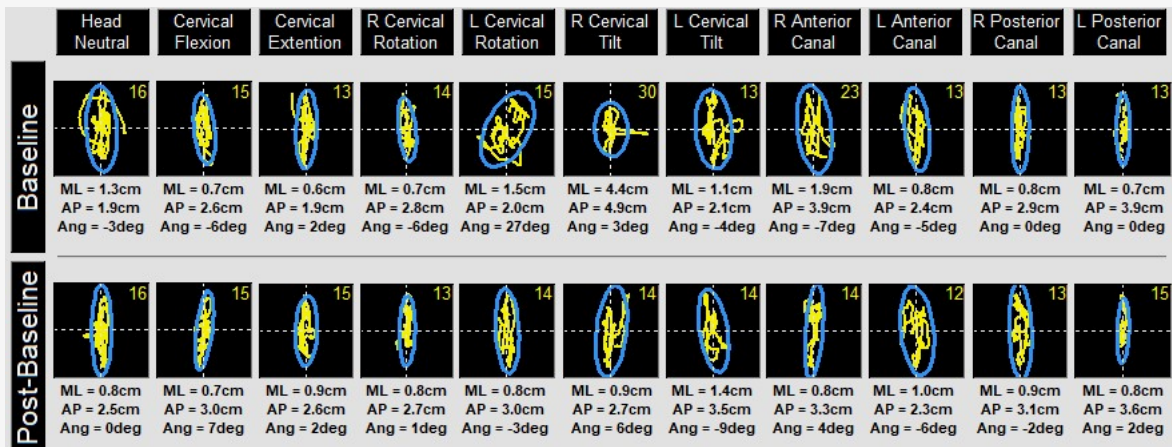
### Post-Baseline Results

DATE	NEU	CF	CE	RCR	LCR	RCT	LCT	RAC	LAC	RPC	LPC	NOTE
3/2/2018 4:24:24 PM	16	15	15	13	14	14	14	14	12	13	15	Post 4 week intervention

Notes: \_\_\_\_\_  
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Cervical Challenge test results are typically determined on the basis of Center of Pressure (COP) path length. Some users may have use, however, for additional COP metrics and/or enlarged visualizations of the raw COP data trace. These metrics and visuals are provided below.



A 95% confidence ellipse is fit to the raw data from each test condition in the graphs above. The ellipses are determined as the smallest ellipse that fits 95% of the Center of Pressure (COP) test data within it. Three metrics describing the data are also provided. The ML and AP metrics give the COP range in the medial/lateral and anterior/posterior directions. The Angle (i.e. Ang) metric quantifies the ellipse rotation to the left (negative) or right (positive) of vertical. ML/AP metrics assume alignment along to the cardinal axes of the BTrackS Balance Plate.

### Baseline Results

DATE	NEU (ML,AP,ANG)	CF (ML,AP,ANG)	CE (ML,AP,ANG)	RCR (ML,AP,ANG)	LCR (ML,AP,ANG)
2/1/2018 3:47:02 PM	1.3, 1.9, -3	0.7, 2.6, -6	0.6, 1.9, 2	0.7, 2.8, -6	1.5, 2.0, 27
RCT (ML,AP,ANG)	LCT (ML,AP,ANG)	RAC (ML,AP,ANG)	LAC (ML,AP,ANG)	RPC (ML,AP,ANG)	LPC (ML,AP,ANG)
4.4, 4.9, 3	1.1, 2.1, -4	1.9, 3.9, -7	0.8, 2.4, -5	0.8, 2.9, 0	0.7, 3.9, 0

### Post-Baseline Results

DATE	NEU (ML,AP,ANG)	CF (ML,AP,ANG)	CE (ML,AP,ANG)	RCR (ML,AP,ANG)	LCR (ML,AP,ANG)
3/2/2018 4:24:24 PM	0.8, 2.5, 0	0.7, 3.0, 7	0.9, 2.6, 2	0.8, 2.7, 1	0.8, 3.0, -3
RCT (ML,AP,ANG)	LCT (ML,AP,ANG)	RAC (ML,AP,ANG)	LAC (ML,AP,ANG)	RPC (ML,AP,ANG)	LPC (ML,AP,ANG)
0.9, 2.7, 6	1.4, 3.5, -9	0.8, 3.3, 4	1.0, 2.3, -6	0.9, 3.1, -2	0.8, 3.6, 2

Notes: \_\_\_\_\_  
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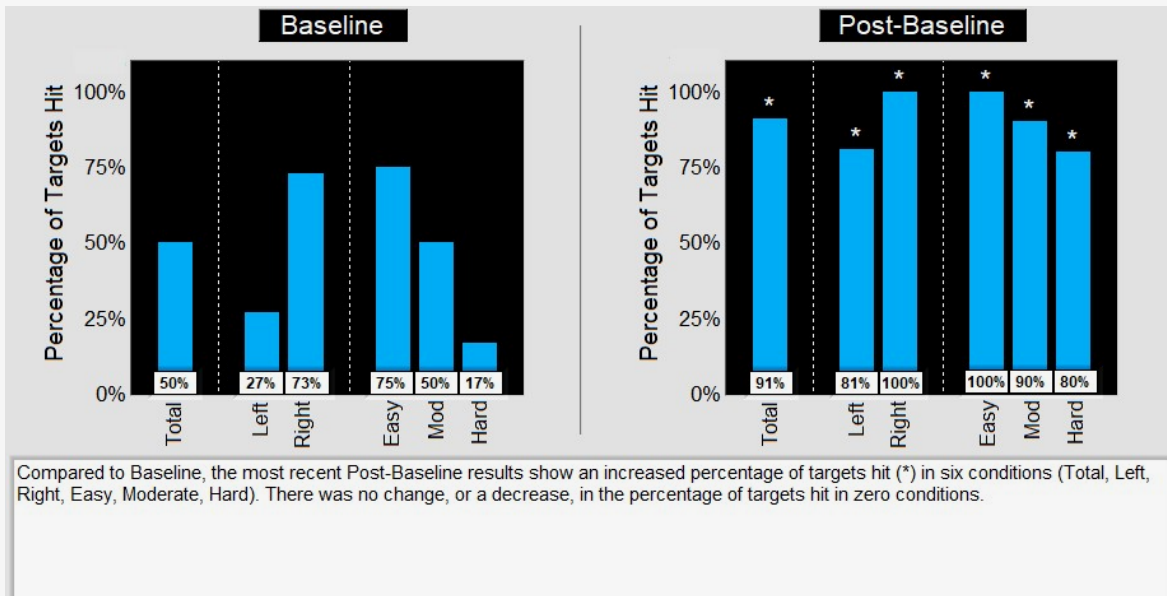
## Left/Right Targets

Name: Sample Profile

ID#: XXXXXX

Facility: \_\_\_\_\_

Left/Right Targets training is a biofeedback-based application for improving the left/right weight shifting ability of an individual. Three target sizes (i.e. Easy, Moderate and Hard) are presented to the left or right of center on an image of the BTrackS Balance Plate on the screen. The individual being trained must shift their Center of Pressure (COP) to move a yellow dot into the target zones, and hold it for three seconds. Targets disappear after 10 seconds if a "hit" does not occur. Performance is judged by the percentage of targets hit within a session.



### Baseline Results

DATE	DUR	T	L	R	E	M	H	NOTE
2/1/2018 3:47:02 PM	180	50%	27%	73%	75%	50%	17%	Lt knee injury
LE	LM	LH	RE	RM	RH			
2/4=50%	1/4=25%	0/3=0%	4/4=100%	3/4=75%	1/3=33%			

### Post-Baseline Results

DATE	DUR	T	L	R	E	M	H	NOTE
3/2/2018 4:24:24 PM	180	91%	81%	100%	100%	90%	80%	4 wks rehabilitation
LE	LM	LH	RE	RM	RH			
6/6=100%	4/5=80%	3/5=60%	6/6=100%	5/5=100%	5/5=100%			

Notes: \_\_\_\_\_

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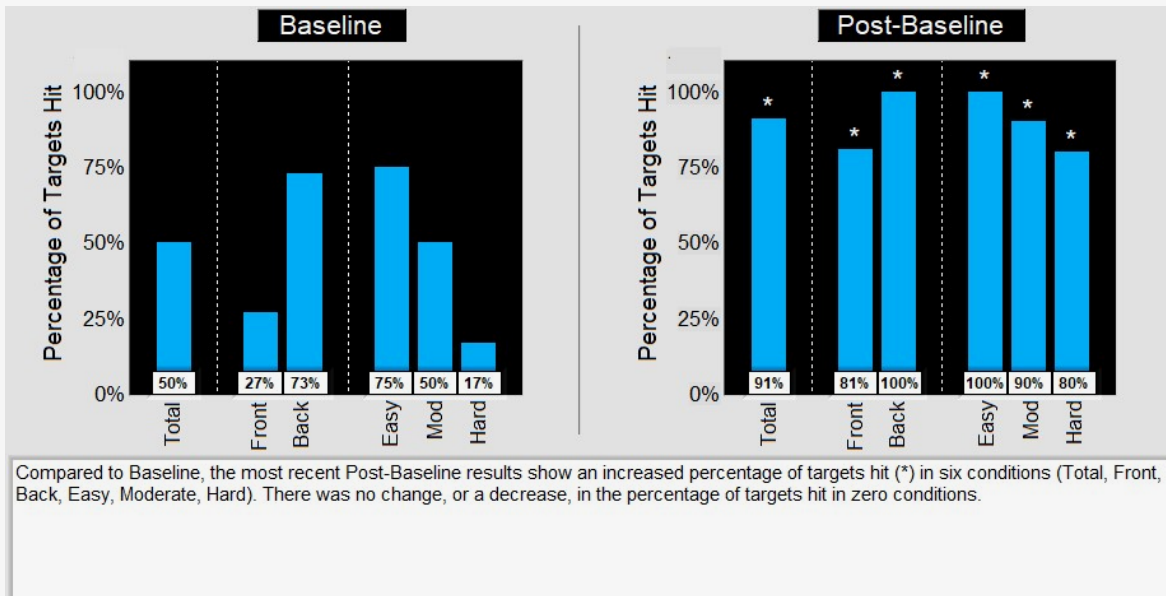
## Front/Back Targets

Name: Sample Profile

ID#: XXXXXX

Facility: \_\_\_\_\_

Front/Back Targets training is a biofeedback-based application for improving the front/back weight shifting ability of an individual. Three target sizes (i.e. Easy, Moderate and Hard) are presented to the front or back on an image of the BTrackS Balance Plate on the screen. The individual being trained must shift their Center of Pressure (COP) to move a yellow dot into the target zones, and hold it for three seconds. Targets disappear after 10 seconds if a "hit" does not occur. Performance is judged by the percentage of targets hit within a session.



### Baseline Results

DATE	DUR	T	F	B	E	M	H	NOTE
2/1/2018 3:47:02 PM	180	50%	27%	73%	75%	50%	17%	Poor Forward Leaning
FE	FM	FH	BE	BM	BH			
2/4=50%	1/4=25%	0/3=0%	4/4=100%	3/4=75%	1/3=33%			

### Post-Baseline Results

DATE	DUR	T	F	B	E	M	H	NOTE
3/2/2018 4:24:24 PM	180	91%	81%	100%	100%	90%	80%	4 wks rehabilitation
FE	FM	FH	BE	BM	BH			
6/6=100%	4/5=80%	3/5=60%	6/6=100%	5/5=100%	5/5=100%			

Notes: \_\_\_\_\_

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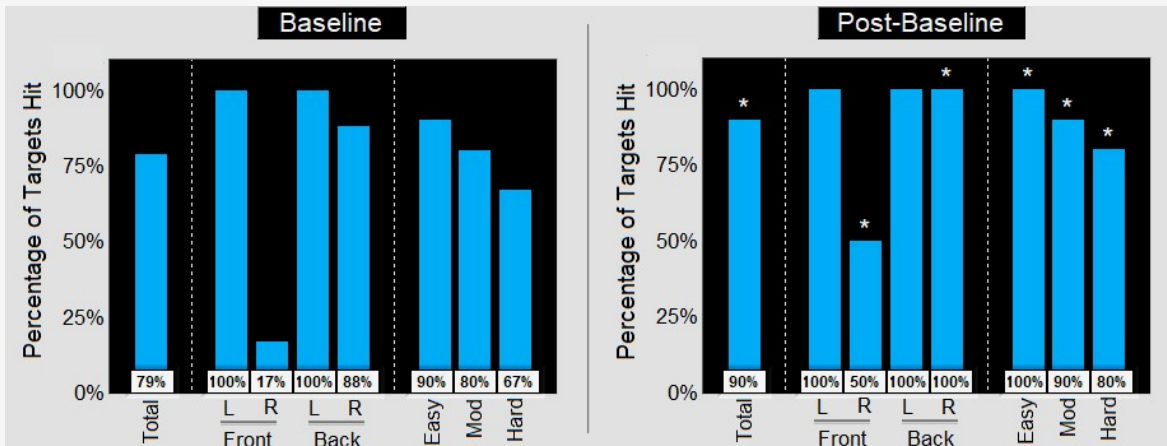
## Diagonal Targets

Name: Sample Profile

ID#: XXXXXX

Facility: \_\_\_\_\_

Diagonal Targets training is a biofeedback-based application for improving the diagonal weight shifting ability of an individual. Three target sizes (i.e. Easy, Moderate and Hard) are presented to the front left, bottom left, bottom right and front right quadrants on an image of the BTrackS Balance Plate on the screen. The individual being trained must shift their Center of Pressure (COP) to move a yellow dot into the target zones, and hold it for three seconds. Targets disappear after 10 seconds if a "hit" does not occur. Performance is judged by the percentage of targets hit within a session.



Compared to Baseline, the most recent Post-Baseline results show an increased percentage of targets hit (\*) in six conditions (Total, Front Right, Back Right, Easy, Moderate, Hard). There was no change, or a decrease, in the percentage of targets hit in two conditions (Front Left, Back Left).

## Baseline Results

DATE		DUR	T	FL	FR	BL	BR	E	M	H	NOTE		
2/1/2018 3:47:02 PM		180	79%	100%	17%	100%	88%	90%	80%	67%	Rt Hip Replacement		
FLE	FLM	FLH	FRE	FRM	FRH	BLE	BLM	BLH	BRE	BRM	BRH		
3/3=100%	3/3=100%	3/3=100%	1/2=50%	0/2=0%	0/2=0%	2/2=100%	2/2=100%	2/2=100%	3/3=100%	3/3=100%	1/2=50%		

## Post-Baseline Results

DATE		DUR	T	FL	FR	BL	BR	E	M	H	NOTE		
3/2/2018 4:24:24 PM		180	90%	100%	50%	100%	100%	100%	90%	80%	4 wks rehabilitation		
FLE	FLM	FLH	FRE	FRM	FRH	BLE	BLM	BLH	BRE	BRM	BRH		
3/3=100%	3/3=100%	3/3=100%	2/2=100%	1/2=50%	0/2=0%	2/2=100%	2/2=100%	2/2=100%	3/3=100%	3/3=100%	3/3=100%		

Notes: \_\_\_\_\_  
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\_\_\_\_\_





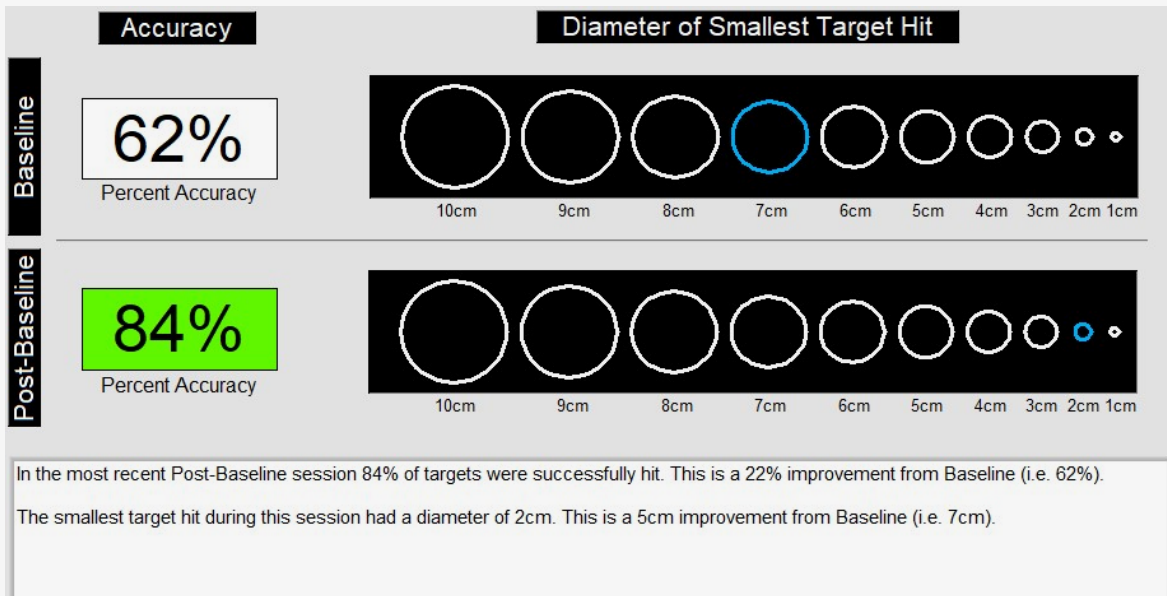
## Random Targets

Name: Sample Profile

ID#: XXXXXX

Facility: \_\_\_\_\_

Random Targets training is a biofeedback-based application for improving the weight shifting ability of an individual. Ten target sizes (i.e. 1-10cm diameter) are presented in random locations on an image of the BTrackS Balance Plate on the screen. The individual being trained must shift their Center of Pressure (COP) to move a yellow dot into the targets, and hold that location for three seconds. Targets disappear after 10 seconds if a "hit" does not occur. Target size is based on performance, which is equal to the percentage of targets hit within a session.



## Baseline Results

DATE	DUR	HITS/TAR	ACCURACY	SIZE	NOTE
2/1/2018 3:47:02 PM	95	8/13	62%	7cm	Initial Visit

## Post-Baseline Results

DATE	DUR	HITS/TAR	ACCURACY	SIZE	NOTE
2/8/2018 3:20:10 PM	120	12/16	75%	6cm	Wk 1 Follow-up
3/2/2018 4:24:24 PM	180	18/22	82%	6cm	Wk 4 Follow-up
4/1/2018 2:27:11 PM	245	22/27	81%	5cm	Wk 8 Follow-up
4/28/2018 3:37:54 PM	360	26/30	86%	4cm	Wk 12 Follow-up
6/2/2018 3:41:18 PM	570	35/42	83%	3cm	Wk 16 Follow-up
8/1/2018 1:44:12 PM	600	42/50	84%	2cm	6 Month Follow-up

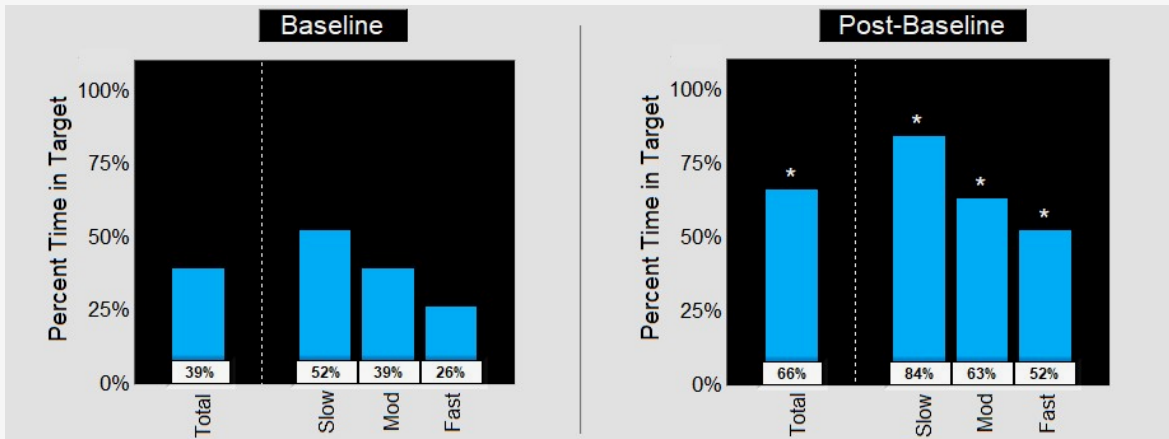
Notes: \_\_\_\_\_  
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## Target Tracking

Name: Sample Profile  
ID#: XXXXXX

Facility: \_\_\_\_\_

Target Tracking is a biofeedback-based training application for improving the weight shifting ability of an individual. During training a 7cm target moves across an image of the BTrackS Balance Plate on the screen. The individual being trained must shift their Center of Pressure (COP) to keep a yellow dot in the moving target. The target speed changes every 20 seconds from Slow to Moderate to High speeds. Performance is based on the overall percentage of time spent in the target during each speed condition.



Compared to Baseline, the most recent Post-Baseline results show an increased percentage of time in the target (\*) for four conditions (Total, Slow, Moderate, Fast). There was no change, or a decrease, in the percentage of time in the target for zero conditions.

### Baseline Results

DATE	DUR	TOTAL	SLOW	MOD	FAST	NOTE
2/1/2018 3:47:02 PM	180	39%	52%	39%	26%	Initial Session

### Post-Baseline Results

DATE	DUR	TOTAL	SLOW	MOD	FAST	NOTE
2/8/2018 3:20:10 PM	180	39%	52%	39%	26%	Post 1wk training
3/2/2018 4:24:24 PM	180	45%	58%	45%	33%	Post 4wk training
4/1/2018 2:27:11 PM	180	51%	64%	49%	39%	Post 8wk training
4/28/2018 3:37:54 PM	180	55%	71%	52%	40%	Post 12wk training
6/2/2018 3:41:18 PM	180	60%	75%	59%	45%	Post 16wk training
8/1/2018 1:44:12 PM	180	66%	84%	63%	52%	Post 6mth training

Notes: \_\_\_\_\_  
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