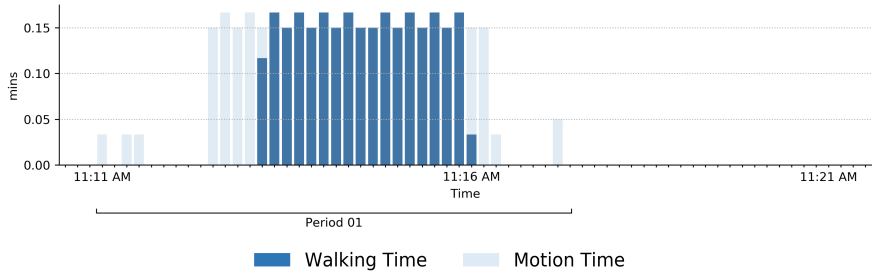
Gait Analysis Report

Sample 2

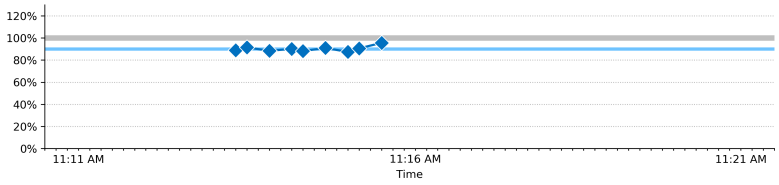
Report date: December 07, 2018

Test Date: Nov 11, 2018
Leg(s): Both
Duration: 7 minutes
Study Period(s): 1
Steps Analyzed: 348
Total Distance Walked: 0.1 miles
Max Stride Length: 3.8 feet
Max Walking Speed: 2.7 mph
Longest Continuous Walk: 612.1 feet

Locomotor Activity

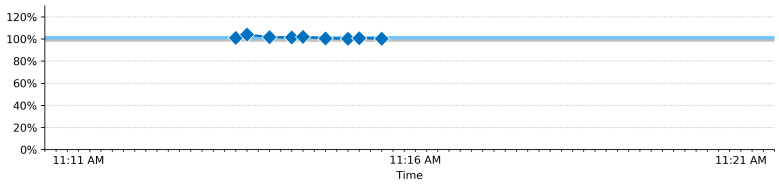


Walking Speed



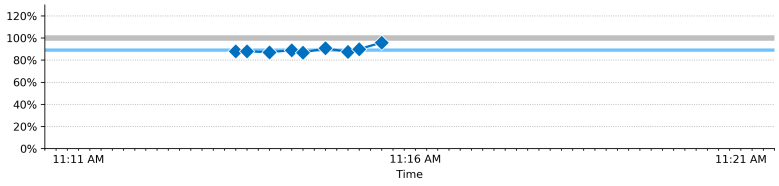
Result: Normal
Your Value: 90.2% (2.6 mph)
Standard Range: Greater than 90%

Steps Per Minute



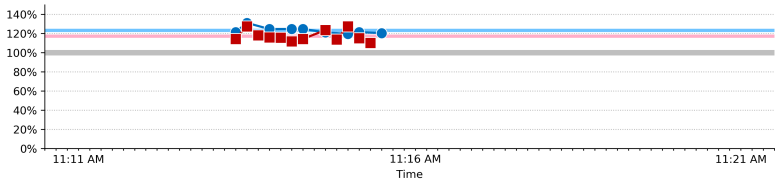
Result: Normal
Your Value: 101.3% (127.6 steps/min)
Standard Range: Greater than 90%

Stride Length



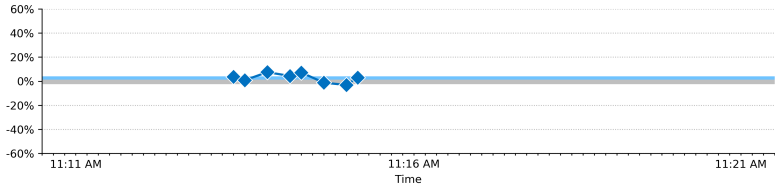
Result: Below Normal
Your Value: 89.2% (3.6 feet)
Standard Range: Greater than 90%

Leg Swing Velocity



Result: Left: Normal
Right: Normal
Your Value: Left: 123.3% (9.8 mph)
Right: 117.4% (9.4 mph)
Standard Range: Greater than 90%

Leg Symmetry



Result: Normal
Your Value: 2.8% (0.0 %)
Standard Range: -10% to 10%

Descriptions of measurements

Test Date: The date on which the test was carried out.

Legs: The legs to which Rover devices were attached.

Duration: The period of time during which the test was carried out.

Steps Analyzed: The number of steps that were recognized and processed by the Rover device.

Total Distance Walked: The total distance walked while wearing the Rover device.

Max Stride Length: The maximum recorded distance travelled between two consecutive heel strikes of the same foot during the study period while walking in a straight line.

Max Walking Speed: The maximum recorded walking speed during the study period while walking in a straight line.

Longest Continuous Walk: The longest distance that was traversed without a pause.

Descriptions of graphs

Time Slice (x-axis mark): The marks on each graph's x-axis are called time slices. Each time slice represents a period of time that measurements are grouped together and averaged for that period.

X-axis Scale: The time (and possibly date) at which the measurements were taken.

Locomotor Activity: Shows the breakdown of motion detected during the study period. The light color bar shows the total time for each time slice that any kind of motion was detected. Any motion during the time slice that was associated with walking is shown in the darker color.

Walking Speed: Displays the average walking speed for each time slice while walking in a straight line. The diamond markers represent instances when the measurement criteria was met and one or more measurements for that time slice was recorded. The average for all time slices of the measurements is shown as the thick solid colored line. The average measurement is compared to the solid grey "norm" line which represents the age and gender adjusted normalized value. A value below 90% of the "norm" is considered out of the normal range.

Steps Per Minute: Displays the number of steps taken per minute. A step is defined as each time a foot strikes the ground. The diamond markers represent instances when the measurement criteria was met and one or more measurements for that time slice was recorded. The average for all time slices of the measurements is shown as the thick solid colored line. The average measurement is compared to the solid grey "norm" line which represents the age and gender adjusted normalized value. A value below 90% of the "norm" is considered out of the normal range.

Stride Length: Displays the average distance between consecutive heel strikes for each time slice while walking in a straight line. The diamond markers represent instances when the measurement criteria was met and one or more measurements for that time slice was recorded. The average for all time slices of the measurements is shown as the thick solid colored line. The average measurement is compared to the solid grey "norm" line which represents the age and gender adjusted normalized value. A value below 90% of the "norm" is considered out of the normal range.

Leg Swing Velocity: Displays the average speed of the foot through the air from one heel strike to the next, while walking in a straight line. The diamond and circle markers represent instances when the measurement criteria was met and one or more measurements for that time slice was recorded. The average for all time slices of the measurements is shown as the thick solid colored lines. The average measurements are compared to the solid grey "norm" line which represents the age and gender adjusted normalized value. A value below 90% of the "norm" is considered out of the normal range.

Leg Symmetry: Displays the left and right leg symmetry by comparing the support time and movement of the foot through the air. A value of 0% indicates that left and right legs have equal support time and are moving through the air in a similar fashion. A deviation of more than 10% from zero indicates one leg is being used more dominantly than the other.