SENSEN™

SPECIFICATIONS

Overview

SenSen is a portable & objective balance and gait assessment tool. It's affordable, easy to use, and produces repeatable outputs. SenSen features:

- 5 evidence-based tests
- Portable design, no additional equipment required (foam pad optional)
- Tablet-based
- Unlimited clients
- Identify Fall Risk (FR) clients after one test for CDC Steadi assessments (using CDC-normed data)
- Built in reporting

Hardware

- Apple iPad (optimized for iPad mini) with SenSen carrying case
- Module (MMR+ - MetaMotionR+ sourced by MbientLab), BLE (Bluetooth Low Energy) wireless connection with rechargeable battery
- Elastic belt, designed to fit waists up to 55" with module pouch

Tests

4 Stage Balance Test FR
30-second Chair Stand FR
Timed Up and Go, TUG FR
mCTSIB (modified Clinical Test of Sensory Interaction of Balance)
Gait Test

Outputs

4 Stage Balance Test
- Total Time in Balance
- SenScore - instability score
- Fall Risk indicator

30-Second Chair Stand
- Stand count
- Response time (client's reaction time after the ding sounded and they began)
- Fatigue Index (change in speed between first and last stand/sit cycle)
- Fall Risk indicator

Timed Up and Go (TUG)
- Total Time in Balance
- Walk out time, turn time, walk back time
- Response Time
- Fall Risk Indicator

mCTSIB
- Total Time in Balance
- SenScore - instability score

Gait Test
- Gait speed, step count, stride length, total time

SenScore Overview

The SenScore is an instability score that is normalized on a 1-10 scale and is designed to objectively quantify a person's instability in a way that is repeatable. It is calculated using normalized path length, a research-backed method of quantifying postural sway. It is accompanied by a birdseye view graph on both the 4 Stage Balance Test and mCTSIB, which visually approximates the person's movement around the center.



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Reporting

SenSen includes a built-in report center that allows a user to geneate a number of reports within the app. These can be run as PDFs or exported as .csv files.

- Client Summary. A report that includes the first and last of each test run for a given client.
- Client Detail. A report that includes all tests run for a given client.
- Test Detail. A report that includes all instances of a specific test.
- Test Summary. A report that includes up to 4 instances of a specific test that also has more details performance metrics and graphs.

Pricing

SenSen is available as a flat fee purchase or through a subscription model, both include unlimited clients.

- One-time fee, MSRP $2,995 (with tablet) or $2,495 (without tablet). Both options include module, belt, carrying case and require a $100 annual database access fee (beginning year two).
- Subscription, $95/month. Requires purchase of Module Bundle ($250, includes module and belt), or Tablet Bundle ($750, includes tablet, module, and belt).

Regulatory

- Module is FCC compliant, IC Compliant (Canada), CE (EU)

Expansion Opportunities

- Companion Website (Q2 2022). Client management, report generation, subscription overview on a desktop website
- Full iOS Rollout (Q2 2022) - SenSen functional on all iOS devices, including iPad, iPad mini, iPhone
- SenSen Home - at-home derivative of SenSen capable of self-screening or screening by family member, will likely require module use
- Treatments - recommendations for treatments with video support based on test performance

Market Opportunities

Assisted Living
Skilled Nursing
Senior Living
Home Health
Audiology
Physical Therapy

What's Included



Belt + module pouch



Module



Tablet

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