

# InBalance

## FallCheck™ Computerized Balance System



The FallCheck™ system is designed to quantify a person's ability to maintain balance while standing. While the subject stands on the balance plate, data from force sensors, at each corner of the plate are collected. These data are then processed to compute the motion of the CoP, which is compared to the Standard Limit of Stability of the subject. This information is then used to produce printable reports displaying the Stability Scores along with other balance related parameters. The physician report also displays normative data for age matched normal population for comparison purposes.



The setup of the system is very easy. The digital balance plate, which plugs into the USB port of the computer and the FallCheck™ software installation takes only minutes. Completing a full set of tests takes about 10 minutes.

The FallCheck™ system measures stability, with eyes open and eyes closed, on hard level surface, as well as on a compliant foam surface. An additional Limit of Stability test measures the maximum ranges in forward, backward, leftward and rightward directions within which the subject can comfortably maintain balance. For safety reasons, this test requires a support structure and harness, which is included with the system.

The FallCheck™ software allows the clinician to select which test to perform and in which order, thus tailoring the specific protocol to the specific patient. Instructions included for each test specify when to stand on the platform, how to position the feet, and what to do during test.

The test protocol of the FallCheck™ system incorporates five tests:

*Normal Stability – Eyes Open:* tests the subject's ability to maintain balance on a hard surface with eyes open.

*Normal Stability – Eyes Closed:* tests the subject's ability to maintain balance on a hard surface with eyes closed.

*Perturbed Stability – Eyes Open:* tests the subject's ability to maintain balance on a compliant surface with eyes open.

*Perturbed Stability – Eyes Closed:* tests the subject's ability to maintain balance on a compliant surface with eyes closed.