

Fall is the leading cause of injury for the elderly in Hong Kong.

25% of Hong Kong elders suffer from fall every year.

75% of the falls result in serious injuries including fractures and head trauma.

Fall is Preventable and not a natural part of ageing.

Hong Kong Department of Health - 2018

Comprehensive assessments and recommendations to help prevent elderly fall

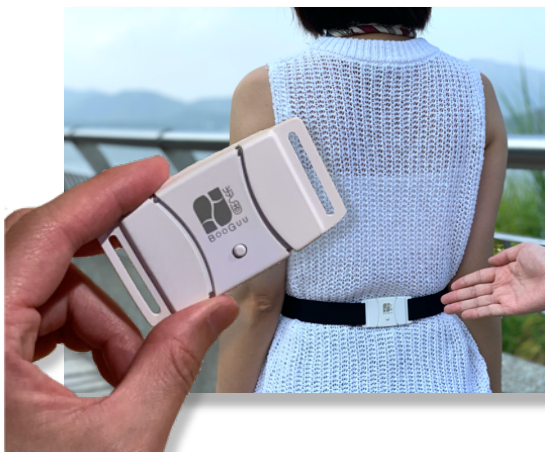
Fast: 5 minute process to assess multiple risk areas. Automatically generate real time customized reports.

Easy: Simple test setup with minimal training needed. Measures normal walking, standing, and sitting.

Everywhere: Small wearable and iPad works anywhere. No special requirement for test site, or heavy equipments to transport.

Reliable: Validated with “golden standard” research equipment from GAITRite®, Bertec®, and Noraxon®.

Safe: CE certified electronics.

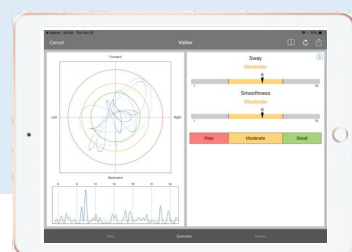


Aspire™ from **Booguu Co Ltd.** is an award winning and patented mobile IoT health solution designed to prevent and minimize elderly falls.

Aspire Fall Prevention Solution consists of a specially designed motion sensor and belt along with an iPad app to capture 3D body motion in real time. The accuracy of the results have been validated using golden standard medical equipment in a clinical research setting. The data is securely maintained on healthcare privacy compliant cloud storage.

Aspire's patented algorithms extract and quantify irregularities measured in walking, postural stability/balance, and limb strengths. These factors are strongly associated to fall vulnerability based on well established research worldwide. The cloud AI analytics further process the results using reference database of Hong Kong elders to determine credible risk levels and recommend specific interventions.

Aspire solution is simple, fast, and effective. Elderly everywhere in Hong Kong can benefit from early awareness and prevention of a serious health risk.



Aspire Tests

Identify fall risk factors from daily activities such as standing upright, walking, getting up, and sitting down.

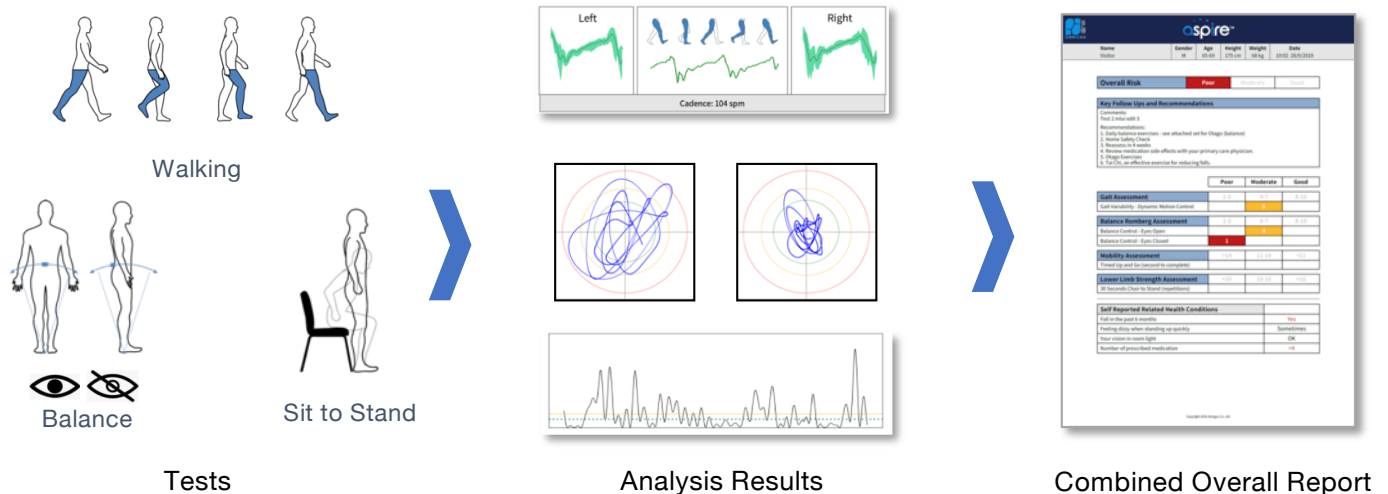
- Static Balance/Postural Stability
- Walking Gait
- Sit to Stand

Risk Factors

- Vision, vestibular, proprioception
- Neuromuscular control
- Gait variability and instability
- Strength, endurance, flexibility
- And many more...

Fall Risk Reports

- Overall risk level
- Key follow-ups and recommendations
- Individual tests results
- Historical progress



Benefits and Use Cases

Hospitals

Hospitals can incorporate fall risk screening during health check especially for elders with osteoporosis, chronic health conditions, or recent injuries.

Clinics

Physiotherapist and occupational therapists can tailor recommendations and services to the elders based on measured risk factors.

These services can include preventive treatment and exercises, supportive insoles, safer shoes, home environment safety check, etc.

Elderly Care Centre

Staff can screen elders quickly to identify those at risk for treatment and intervention.

NGOs can easily assess the elderly population and promote the awareness of fall risk and fall prevention.



Booguu Company Limited provides health and wellness solutions using award-winning body motion sensing technology. Our goal is to help the elderly maintain and improve their quality of life.

We aim to use cloud and AI to unlock the benefit of body motion analytics for the masses.



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Triple Gold Medal Awards
2017 International Exhibition of Inventions
Geneva

