

Kinesis Fall Prevention Screening

Fall Prevention

Falls are a serious threat to the health and well-being of older patient, with enormous economic and societal impacts. Kinesis Health Technologies offer a coordinated approach to implementing best practice fall prevention incorporating the National Institute for Health and Care Excellence (NICE)² and American and British Geriatrics Societies (AGS/BGS) clinical practice guidelines for fall prevention¹. Kinesis Health Technologies are supporting fall prevention by implementing the best practice falls programmes, enhanced with wearable sensor technology and harnessing predictive analytics.

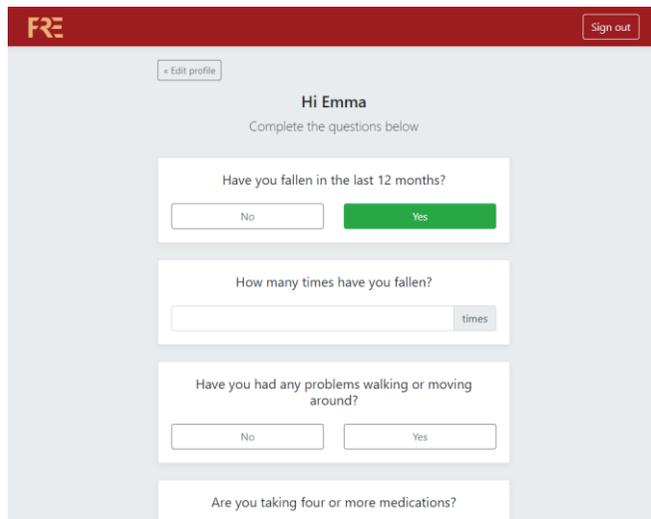
International best practice advocates a three-pronged approach: **Screening, Assessment, Intervention**⁴. We support each of these elements through our secure GDPR compliant solutions that can be integrated into your EMR. By intelligent use of data to enhance the diagnostic accuracy offered by standard approaches, we can improve long term outcomes and reduce associated costs. We offer more objective and cost-effective fall prevention programmes, that can be implemented by non-specialists such as care support workers.

Screening

Kinesis Health Technologies offer a suite of validated algorithms³, which utilize clinical evaluation questionnaires as recommended by the British and American Geriatric Societies to provide more accurate screening for falls than is currently possible with standard tools. Our algorithms are based on a unique data set of several thousand older adults and are based on 11 years of [research](#).

Our algorithms can be customized to use different questionnaires, run on a web-browser or smartphone. Our secure systems are GDPR compliant and can integrate into existing EMR systems.

Please contact Kinesis Health Technologies if you would like help developing your organisation's fall prevention strategy based on the unique characteristics of your organisation.



Hi Emma
Complete the questions below

Have you fallen in the last 12 months?

No Yes

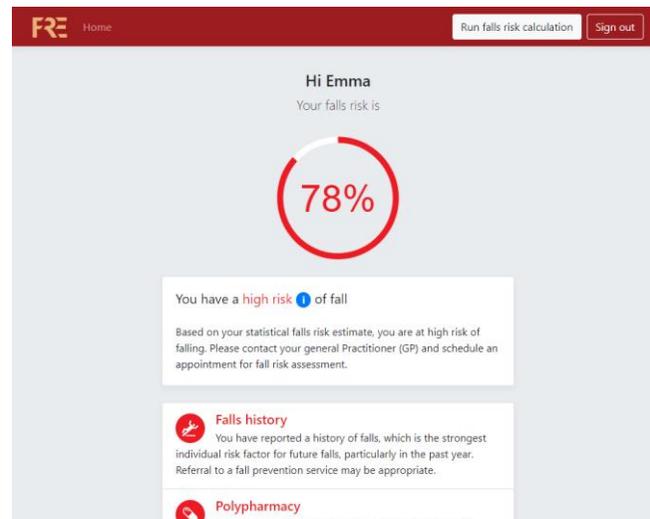
How many times have you fallen?

times

Have you had any problems walking or moving around?

No Yes

Are you taking four or more medications?



Hi Emma
Your falls risk is

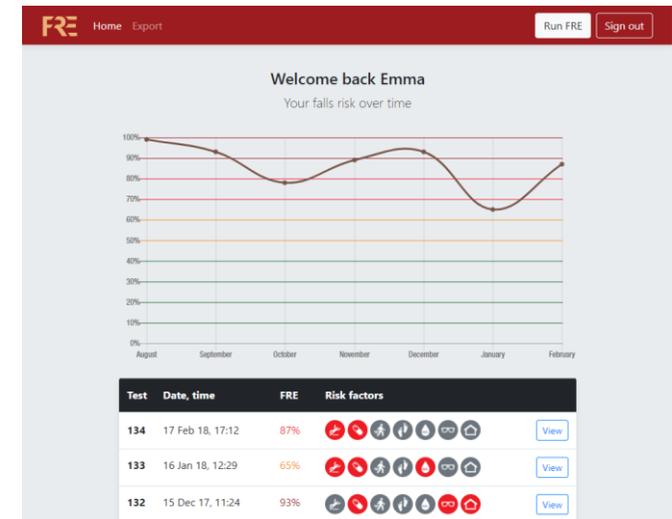
78%

You have a **high risk** of fall

Based on your statistical falls risk estimate, you are at high risk of falling. Please contact your general Practitioner (GP) and schedule an appointment for fall risk assessment.

Falls history
You have reported a history of falls, which is the strongest individual risk factor for future falls, particularly in the past year. Referral to a fall prevention service may be appropriate.

Polypharmacy
You have reported a history of taking multiple medications.



References

- 1 'American Geriatrics Society, British Geriatrics Society, and American Academy of Orthopaedic Surgeons Panel on Falls Prevention', *J Am Geriatr Soc*, 49 (2001).
- 2 NICE (National Institute for Health and Care Excellence), 'Falls in Older People: Assessing Risk and Prevention', in *Clinical guideline [CG161]* (2013).
- 3 B. R. Greene, S. J. Redmond, and B. Caulfield, 'Fall Risk Assessment through Automatic Combination of Clinical Fall Risk Factors and Body-Worn Sensor Data', *IEEE Journal of Biomedical and Health Informatics*, 21 (2016), 1-1.
- 4 Matthew C Lohman, Rebecca S Crow, Peter R DiMilia, Emily J Nicklett, Martha L Bruce, and John A Batsis, 'Operationalisation and Validation of the Stopping Elderly Accidents, Deaths, and Injuries (Steady) Fall Risk Algorithm in a Nationally Representative Sample', *Journal of Epidemiology and Community Health*, 71 (2017), 1191-97.