



DIGITAL SCREENING for RISK of FALLS and FRACTURES

Background

- formidable human & economic cost of falls & fragility fractures
- yet we still wait for people to fall and fracture before screening them for osteoporosis and falls risks
- our older adults are now living more years in poorer health
- despite having effective bone treatments and falls prevention exercises, these are severely under-utilised

“by screening earlier, we can intervene earlier to reduce the risk of first fractures and falls”

Barriers to Screening

- manual population screening is labour-intensive and costly
- adults rarely seek medical help after a fall
- falls are poorly recorded in most electronic medical records
- NICE and World Falls Guidelines recommend ad-hoc screening for falls risks but due to time pressures this rarely happens

“PROFFS automated digital screening process overcomes these barriers”

PROFFS Solution

PROFFS digital screening identifies people at greatest risk of falls and fracture without the need for any clinician’s time:

- a cost and time-efficient digital solution
- combines medical record data with person-reported information, robotically retrieves the FRAX fracture risk score, calculates FRAT falls risk & records frailty data
- enables personalised, targeted and pro-active support by a physiotherapist, pharmacist and care navigator

“for the cost of only 3 hip fractures to secondary care, a small team can screen, manage and support c4,000 adults every year”

Planned Evaluation

Aligned with the BGS CORE20 PLUS 5 measures of success

1) Short-term outcomes are:

- (i) a reduction in people falling ≥ 2 times
- (ii) a reduction in fragility fractures
- (iii) an increase in bisphosphonate prescriptions
- (iv) an increase in exercise uptake

2) Long-term outcomes are:

- (i) a reduction in hip and fragility fractures
- (ii) a reduction in A&E attendances due to falls

“we cannot afford to wait or do nothing”