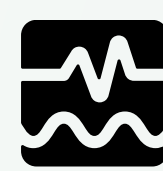doccla

Frailty– 2023

Frailty is a clinical status that affects an increasing proportion of the population with an associated high economic and health-resource burden.

It defines the group of, usually, but not necessarily older, people who are at highest risk of adverse outcomes such as falls, disability, admission to hospital, or the need for long-term care[1].

The prevalence of frailty in adults aged 50+ in England was estimated to be 8.1% equating to greater than 1.2 million people in England alone[2].

In addition, frailty compared with non-frail status, results in greater annual GP appointments and hospital inpatient stays with a total additional cost of **£5.8 billion per year** across the UK[3].

This case study shows how Doccla uses cutting-edge remote patient monitoring and end to end virtual ward solutions to significantly reduce these costs, whilst freeing up healthcare resources and optimally care for patients in the comfort of their own home.

Patient Days Monitored 2023

8,815

Bed Days Saved

>7,000

Savings per Patient

£2,243

This calculation combines peer-reviewed research on Frailty, highlighting the reduction in bed days per patient through the use of Virtual Wards, with Doccla's internal data. The bed cost uses NHS cost collection data for 2020/21 of £345

1. NHS England » Frailty – what it means and how to keep well over the winter months. Accessed April 2, 2024. https://www.england.nhs.uk/blog/frailty/
2. Sinclair DR, Maharani A, Chandola T, et al. Frailty among Older Adults and Its Distribution in England. J Frailty Aging. 2022;11(2):163-168. doi:10.14283/JFA.2021.55
3. Han L, Clegg A, Doran T, Fraser L. The impact of frailty on healthcare resource use: a longitudinal analysis using the Clinical Practice Research Datalink in England. Age Ageing. 2019;48(5):662-668. doi:10.1093/AGEING/AFZ088

**Primary care
interactions avoided**

815

Savings

£33,426

Estimates derived from analysing red alerts and closure notes within the Doccla Virtual Ward service. The calculation uses the cost of a GP appointment, valued at £43, based on the PSSRU's unit costs of healthcare data.

**Total service
layer time saved**

2,638 Hrs

Savings

£51,628

This calculation incorporates Doccla's internal data, focusing on both the onboarding process and compliance calls, as well as the efficiency gains from automating manual observations via the Doccla Virtual Ward Service. The calculation uses the cost of band 6 nursing time.

Ynez Symonds
Chief Nursing Information Officer
Solent NHS Trust

"Doccla has an excellent approach, from implementation to delivery. Their remote monitoring solution and provision of clinical support provides our nursing team with extra capacity, so we can deliver more home visits to the patients that need them."

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