

Addressing inequities in Dual-energy X-ray Absorptiometry (DXA) access: A multi-dimensional quality improvement approach

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Introduction

What we already know?

Percentage of patients receive Dual-energy X-ray absorptiometry (DXA) within 12 weeks nationally = 41.2% (FLS-DB, 2024)

What are we trying to accomplish?

Aimed to improve DXA access to meet FLS-DB national standards.

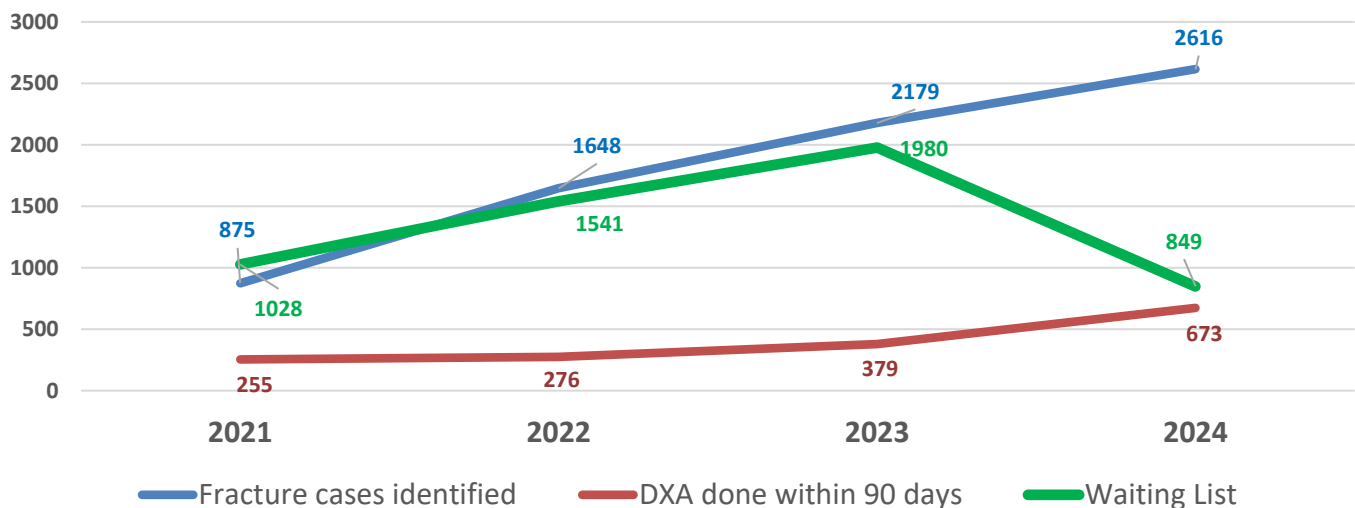
Methods

- Multi-dimensional improvement project started in 2022.
- A small multidisciplinary working group was formed to drive the change.
- Progress was monitored via FLS-DB Key Performance Indicator 5 (KPI 5): percentage of patients receiving a DXA within 90 days of fracture and DXA waiting list.

- Vetting of repeat DXA scan requests
- Expanding scanning from 3 to 5 days/week.
- Dedicated DXA reporting training and non-reporting agreement for FLS patients.

Results

Addressing inequities in Dual-energy X-ray Absorptiometry (DXA) access, DXA within 90 days (ABUHB)



Conclusion

The quality improvement project initiated in 2022, took three years to streamline our referral pathways.

Two radiology staff training and operating five-day DXA scanning helped reduce both the DXA scan waiting list and clinician reporting time.

The current service has adopted good practices to improve DXA scanning provision to match the demand of increased fracture case identification. However, further improvement is needed.