

Improving Delirium assessment in elderly; a systematic approach

4AT as a screening tool for delirium

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Introduction

- Delirium (sometimes called 'acute confusional state') is an acute, fluctuating syndrome of encephalopathy causing disturbed consciousness, attention, cognition, and perception.
- NICE Guidance: in the 2023 update, the 4AT (figure 1) is the main recommended tool for general settings, replacing the Confusion Assessment Method (CAM). The CAM-ICU and ICDSC are recommended for ICU settings. If indicators of delirium are identified, a health or social care practitioner who is competent to do so should carry out an assessment using the 4AT (1).

Objectives

- To audit compliance with NICE guidance on the use of assessment tools for early detection of delirium.
- To increase awareness of delirium and improve objective assessment upon identification of indicators.
- To measure improvement in delirium recognition using the 4AT after appropriate interventions.

Methodology

- We have collected data of 59 patients through a retrospective study from FPH (49) and WPH (10) to evaluate the number of 4AT assessments done in relation to delirium diagnosis
- Criteria of patient selection: patients admitted to FPH and WPH of age 65 and older regardless of dementia diagnosis.
- Patients who have had their 4AT and AMTS were identified and the data was analysed.

What is 4 AT?

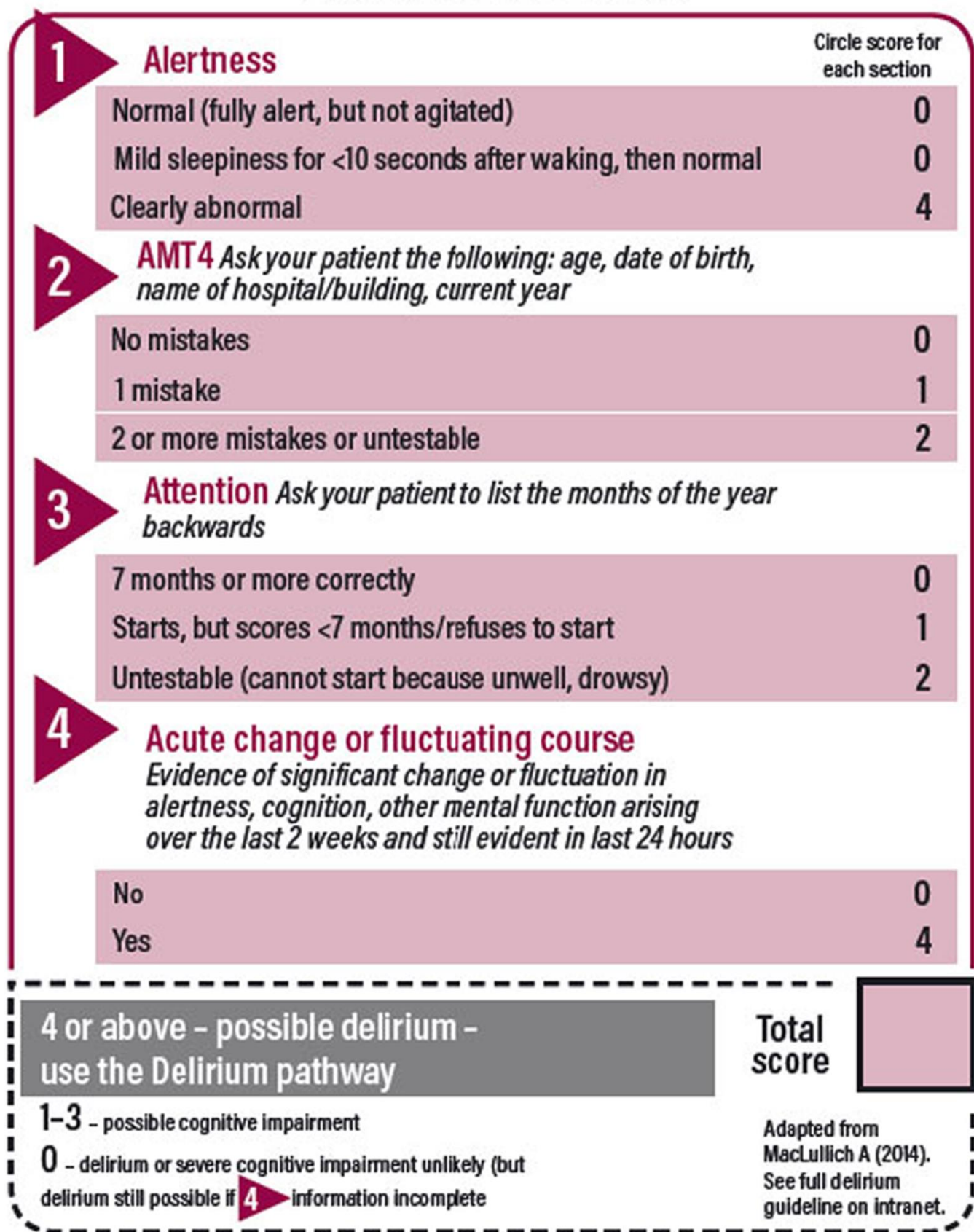
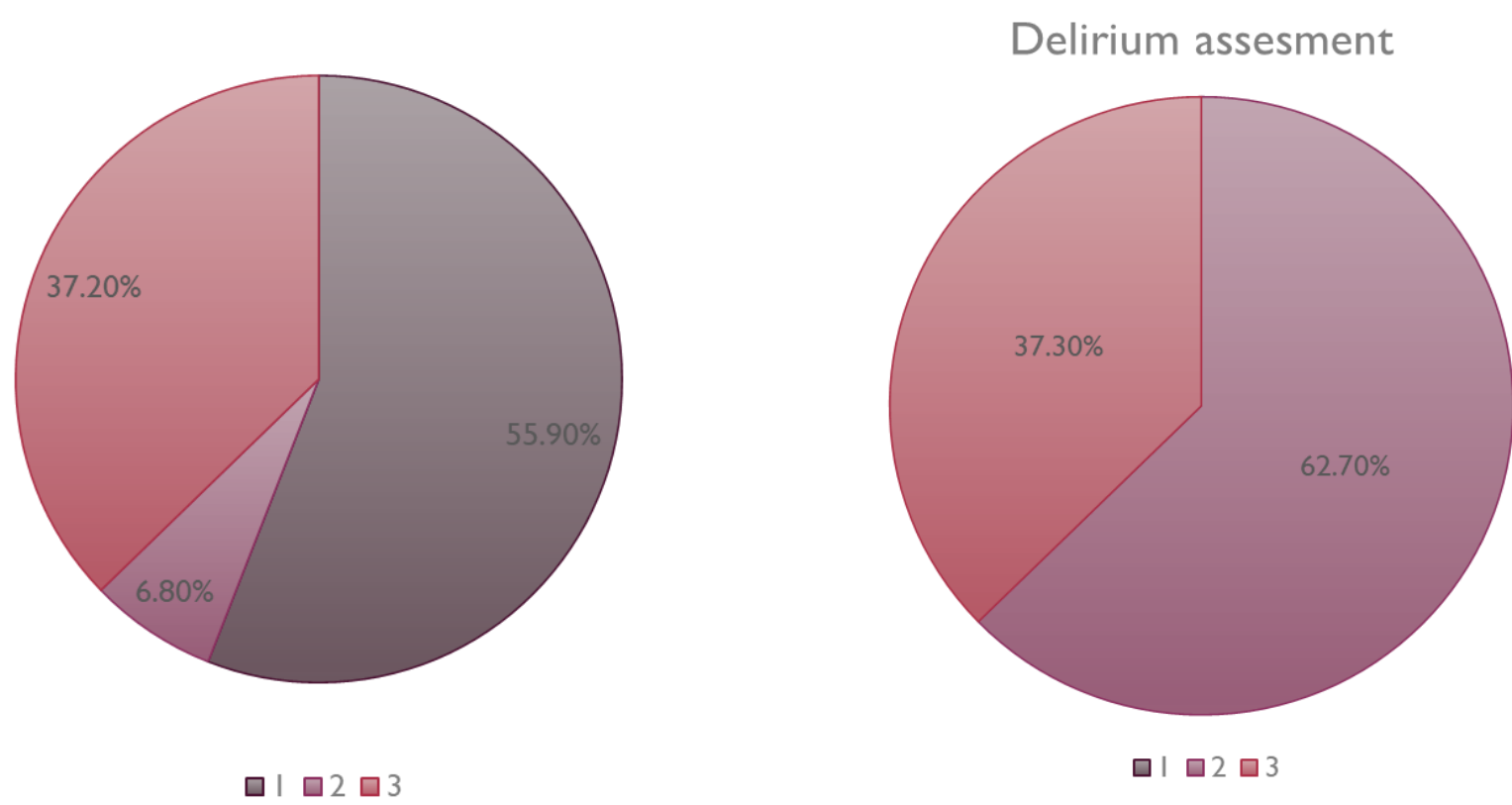


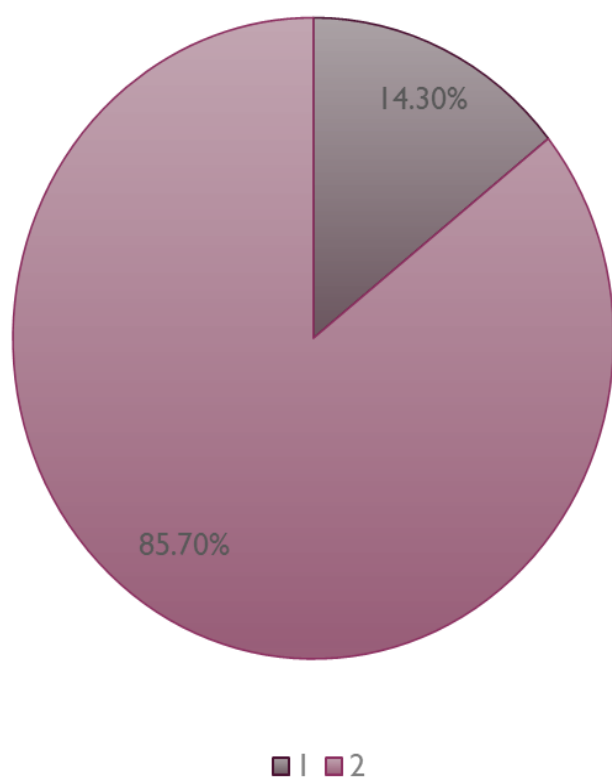
Figure 1

Delerium assessment with either 4AT or AMT



- 4AT assessment was only used in 6.8%
- AMT assessment used in 55.9%
- Didn't have any assessment done 37.2%
- 37.30% didn't have any assessment done
- 62.70% had assessment done

4AT in delirium diagnosis:



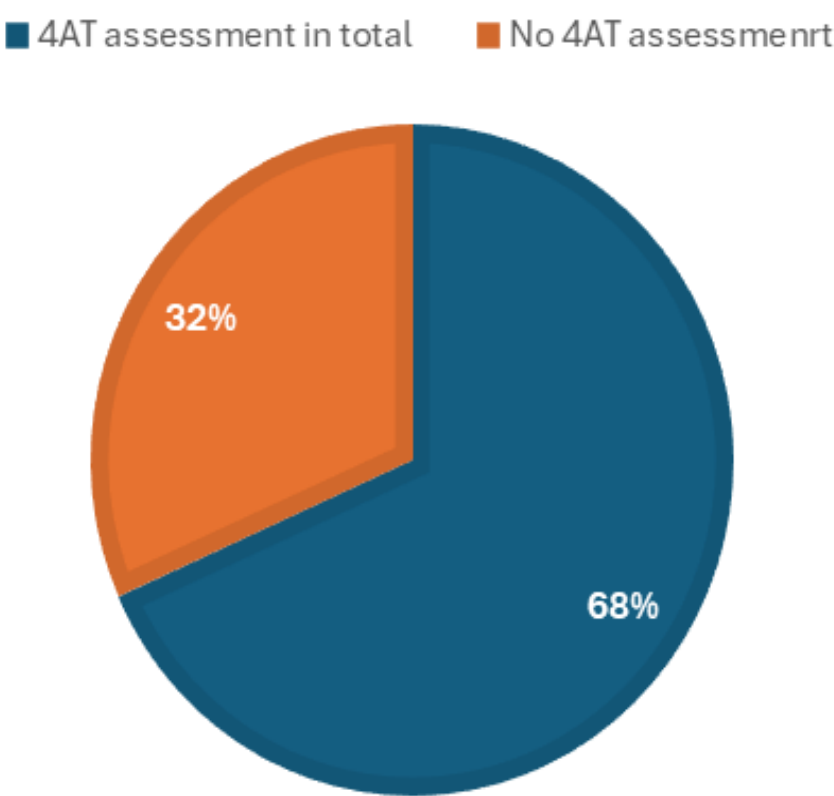
Action plan and interventions:

- Our team initiated proactive engagement with the Emergency Department (ED). We requested the collaboration of ED and clerking doctors for delirium assessments on admission, employing the 4AT method.
- Reinforcement measures included the creation and posting of reminders and informative posters on boards within the ED and other wards.
- We encouraged the Nurse in-charge to facilitate the distribution of reminders to all ward staff and physicians; also signposted the team to the reminders posted on the wards information boards.

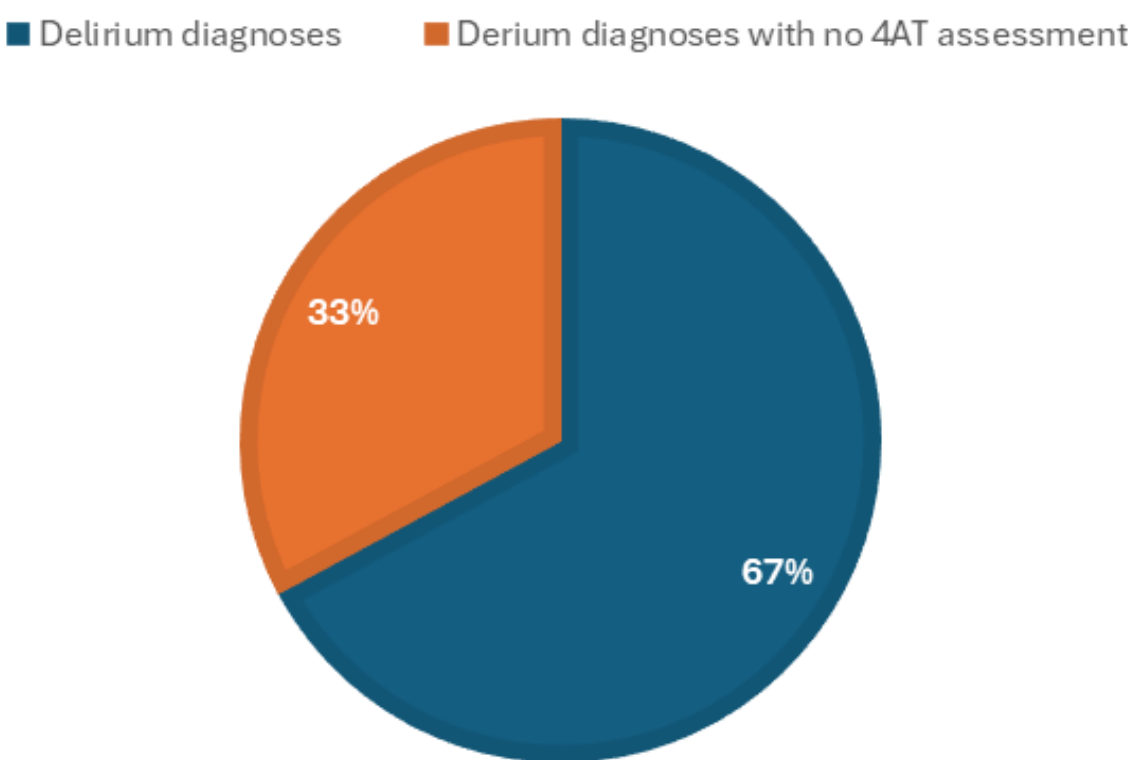
2nd cycle:

Data of 60 patients were collected and examined focusing mainly on 4AT tool 2 months after implementation of changes.

4AT SCREENING



DELIRIUM ASSESSMENT



Outcomes:

- Increased awareness and screening usage.
- Education and training on the impact of delirium and the importance of 4AT for screening.
- Follow-up assessment allowing for evaluation of the effectiveness of the interventions, emphasizing delirium assessments, the audit contributes to patient safety and the overall quality of care.

References

- <https://www.nice.org.uk/guidance/cg103/chapter/Recommendations#assessment-and-diagnosis>

Acknowledgement

Dr. Savithri Gunasekera, Consultant Geriatrician, Frimley Park Hospital.