

## Introduction

There are currently 5 approved asthma biologics. Each requires MDT discussion, paperwork and are either started via the homecare team or the hospital. Time-to-initiation of biologics at Sheffield Severe Asthma centre was higher than UK averages (Rupani *et al.*, 2022).

## Methods

Data between September 2021 to August 2022 (n=36) was retrieved from hospital severe asthma MDT records. Analysed using JASP Opensource statistical software. Then data between September 2022 to August 2023 (n=44) retrieved following our intervention.

## Intervention

1. A biologics discussion form to ensure all necessary criteria addressed before MDT
2. A biologics co-ordinator to facilitate paperwork
3. Prioritised biologics discussions in the MDT meeting

## Results

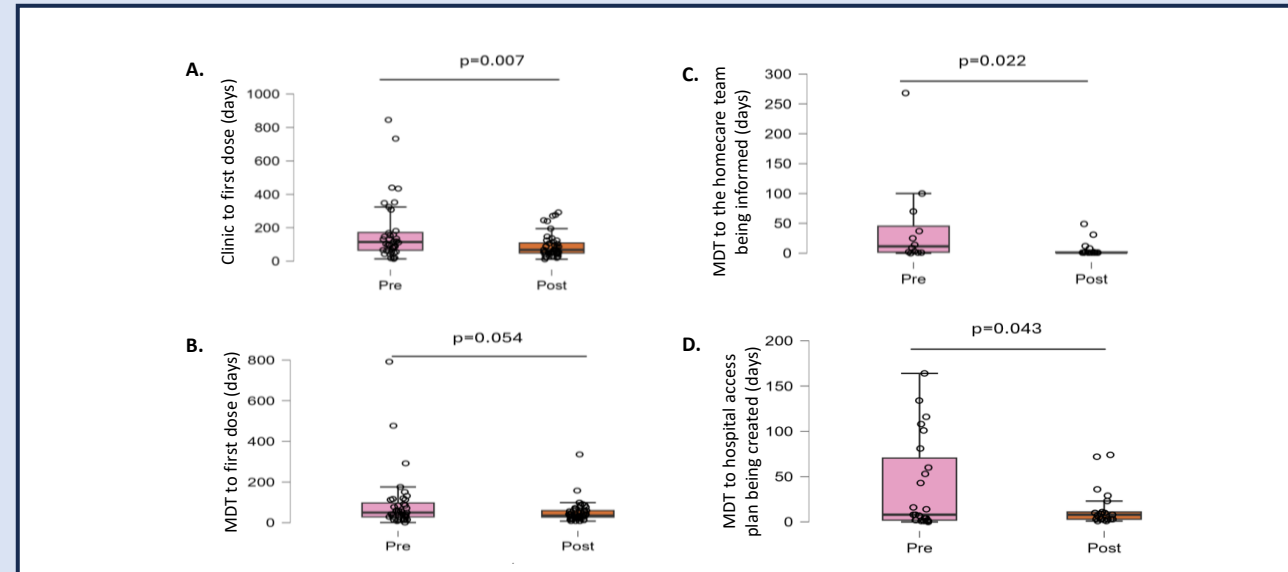
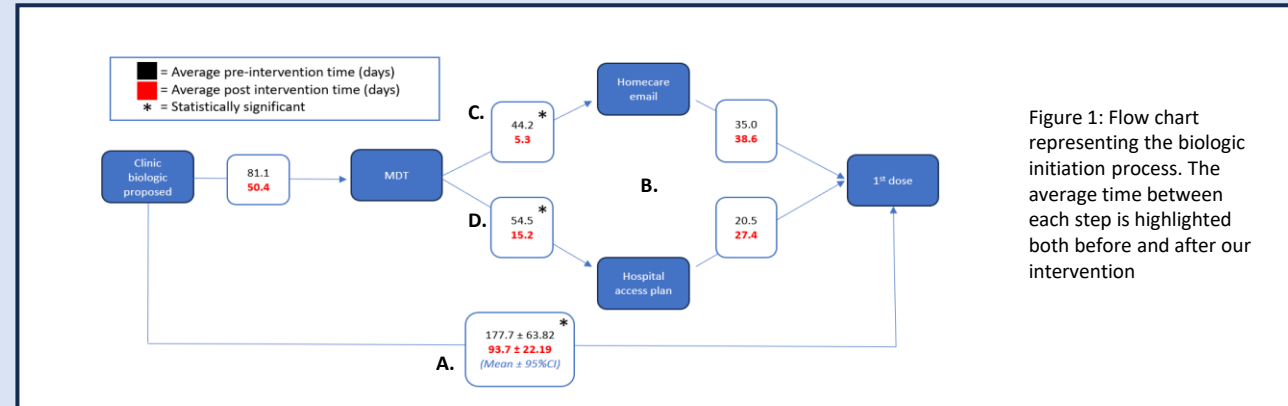


Figure 2: Box and whisker plots highlighting the duration in days of the different stages of the biologic initiation process before and after our intervention. A. Clinic to first dose. B. MDT to first dose. C. MDT to homecare team being informed. D. MDT to hospital access plan being created.

## Discussion

Overall, we have demonstrated a significant reduction in the interval between clinic review and patient receiving the biologic.

Despite our interventions we found no significant improvement in the time taken between clinic and MDT, as well as the homecare email/hospital access plan being created and the 1<sup>st</sup> dose being administered.

This has subsequently highlighted areas for improvement which in turn will further reduce the time-to-initiation of a biologic in patients with severe asthma.

## References

Rupani, H. *et al.* (2022) 'P145 what is the severe asthma patient journey to biologic initiation in UK severe asthma centres?', *'The Force Awakens' – The asthma patient experience* [Preprint]. doi:10.1136/thorax-2022-btsabstracts.280.