Finding flexibility: a semi-algorithmic approach to anaesthetic self-rostering in South Yorkshire

Dr Jon Emberey & Dr Hannah Winder, Barnsley and Rotherham Hospitals

Timeline:

Jun 2023

Start

Conceptualisation

Initial discussions

with rota team and

Traditional rota

Development and

initial testing of

Implementation 1

Survey of BDGH

trainees and

spreadsheet

Implementation 2

Implementation 1

Implementation 3

Implementation 2

adaptation

BDGH

TRFT

Survey of **BDGH/TRFT** trainees and further adaptation

BDGH

TRFT

rota system

BDGH

HR

used

of project BDGH

Introduction:

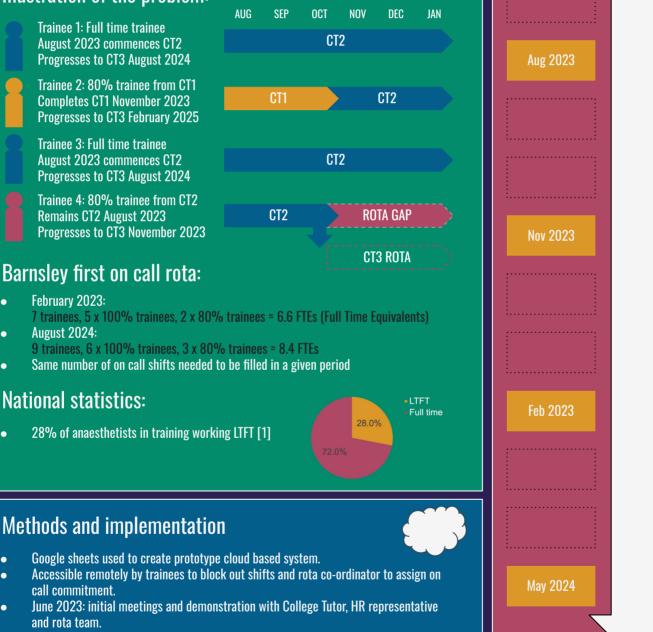
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- Increasing numbers of less than full time (LTFT) trainees, frequent rotations and changing competencies at non-traditional times has led to rolling rota systems no longer being fit for purpose.
- We set out to assess proof of concept of a flexible rota system, quantify trainee and departmental benefits and address the impact on quality of life and cost saving potential.

Illustration of the problem:



- Suggestions taken on board and implemented.
- Rule based system to ensure compliant rotas and minimise human error.
- 'Radio silence' from HR until implementation November 2023.



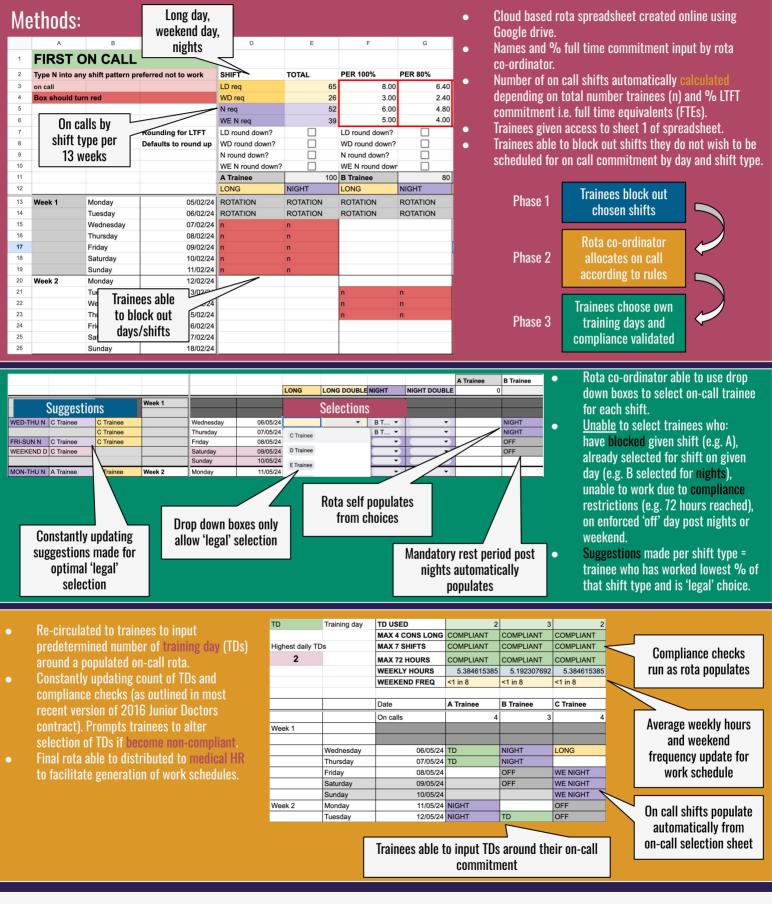


[1] LTFT: life and training without categories, RCoA Bulletin 2024 https://rcoa.ac.uk/bulletin/winter-2024/ltft-life-training-without-categories

Current

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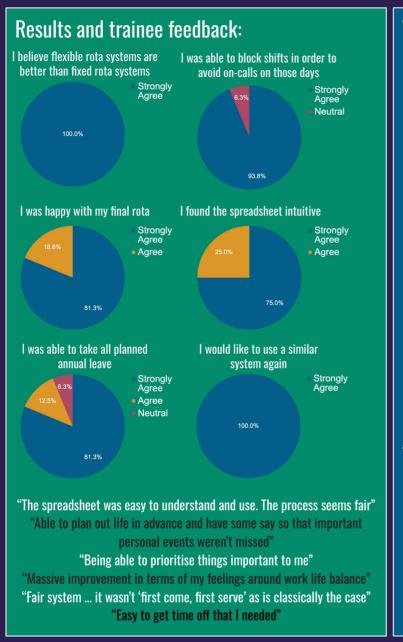


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The challenge of human resources:

- Non-attendance at planning/conceptualisation meetings despite invitation.
 - Scepticism regarding change of system.
- Perceived increase of workload for understaffed team.
- Unnecessary duplication of work.
 - Imperfect use of Allocate rota software:
 - Average hours calculated over 14 weeks not 13 (Wednesday Wednesday).
 - Little understanding of 'prospective cover' adjustment of hours.
 - Disparity of work schedule generated via Allocate locally (Barnsley) vs centrally (Sheffield) vs actual average hours and enhanced hours leading to delays in work schedules being issued.
 - Delay in trainees getting paid correctly as a result of the above.
 - Breakdown in communication (trainee comments re HR):

"Poorly worded emails with a dismissive tone when concerns raised" "Late work schedules at every stage. Incorrect pay, poor communication..." "Failure to respond to concerns re. Wrong work schedule" "Lack of communication from Barnsley HR - not replying to emails ... being uncooperative in conversations."

The reality:

- Imperfect use of Allocate predating this system likely inaccuracies in work schedules since introduction of this years previously.
- Rota allocation performed by anaesthetic trainee or consultant coordinator > 6-8 weeks pre rotation - HR role limited to transcription of rota to work schedule generator and distribution.
- Despite the above trainees still keen to continue with self-rostering.

Conclusions:

- Overall positive impact on trainee wellbeing despite documented difficulties in implementation.
- Increased trainee satisfaction with rotas emphasis on improved work life balance and ability to prioritise important life events.
- Swap requests minimised over comparative period with rolling rota system.
- Large amount of work to re-establish channels of communication with HR.
- 100% of survey respondents wish to continue with self-rostering.

Future work:

- Aim to improve intuitiveness of system and automation.
- Aim for uniform self-rostering process throughout South Yorkshire deanery.
- Question whether investment in professional self-rostering software is appropriate following proof of concept.

