# Delivering Quality Improvement (QI) coaching in a virtual world: the use of digital technology to empower and engage CFDigicare clinicians to undertake QI activities nationally



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## Background:

CFDigiCare is a community of practice using digital adherence data, FEVI and BMI to inform clinical decision-making and comprehensive digital behaviour change tools to support patient selfcare. The 16 UK adult CF centres that form CFDigiCare work together using improvement science to embed digital data into routine care The collaborative uses the Dartmouth Microsystems approach to build quality improvement (QI) capability Most CFDigiCare teams attended one day class-based QI training pre-COVID-19, with subsequent coaching delivered online.

We discuss digital QI refresher training and coaching to nationally dispersed improvement collaborative during the COVID crisis.

# Methodology:

I-hour QI refresher training was delivered via MS Teams. Dartmouth improvement ramp activities were undertaken during subsequent 3 sessions.

#### **Results:**

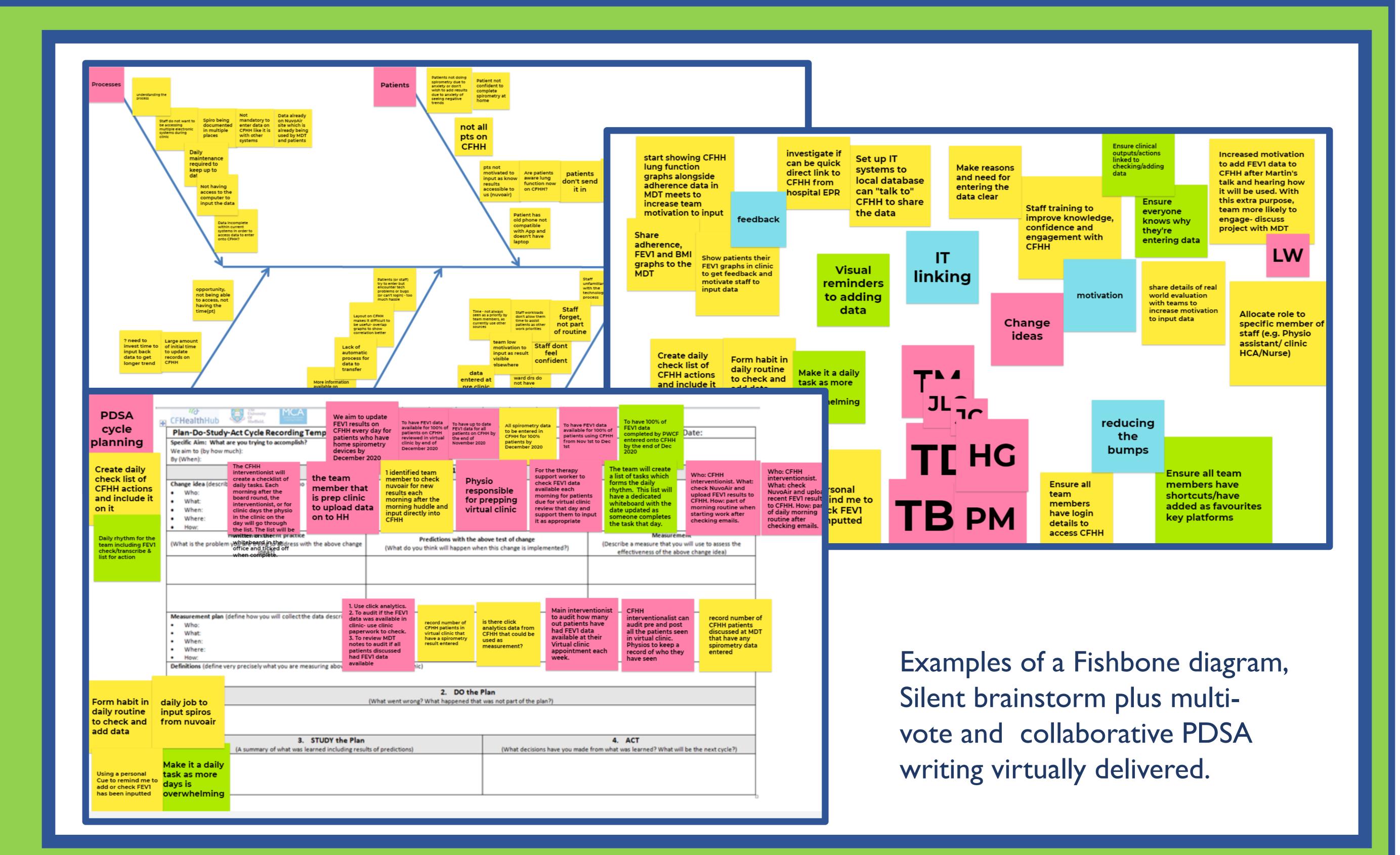
attendance was 9 from centres.

We explored two areas for improvement group 'Fishbone' teams participated in silent brainstorming, exercises, discussed change ideas and planned PDSA cycles. See examples

Staff rated the meetings 9.4/10. See feedback received

Feel able to deliver it to the team Useful QI demonstration and collaboration of ideas Feedback received

Jamboard is a useful tool for gathering ideas Good feedback for **PDSAs** 



### Discussion:

Attendance was high with staff valuing practical interactive sessions using facilitated MS Teams calls and tools such as Google Jamboard. Virtual sessions connected clinicians from 16 centres providing a national "hive brain" perspective on system optimisation. The Dartmouth microsystems paradigm focused attention on specific aims, providing a structure to deliver iterative change. Virtual connectivity allowed QI to continue despite COVID-19. Familiarity with MS Teams increased over time with shared mastery of the technology a clear improvement outcome.

#### Conclusion:

Digital technology not only supports the delivery of QI training and coaching but can enhance it; clinical teams quickly mastered platforms such as MS Teams and Google Jamboard.



