



**8th Core Investigators' Meeting was held on
Wednesday 6th October 2021**

**Next Core Investigators' Meeting will be held on
Wednesday 12th January 2022**

Update on progress so far:

WP1 – Quantitative analysis

- Multilevel models run for six outcomes:
 1. Superspell length of stay
 2. 30-day readmissions
 3. 30-day mortality
 4. Return to original residence at discharge
 5. Return to original residence at 120 days
 6. Mobility at 120 days
- Organisational factors predicting these outcomes identified by backward stepwise selection
- Organisational factors simplified according to associations observed, and final models run with the backward selected factors
- Graphical representations (forest plots, caterpillar plots) and tables generated

WP1 publication plan:

- Outcomes 1-3 (“short” outcomes) to be written up together
- Outcomes 4-6 to be discussed in separate paper

Work so far suggests several organisational factors which are associated with outcomes and are possible factors to target in the toolkit (WP3).



Welcome to **Petra Baji**, who joins the REDUCE study team as the new health economist.

REducing unwarranted variation in the Delivery of high qUality hip fraCture services in England and Wales

WP2 – Qualitative analysis

Part 1: Identifying barriers and facilitators to care delivery in the hip fracture pathway - analysis of interviews and BOA reports completed.

Part 2: Strategies to adapt and innovate hip fracture services during Covid-19 - analysis completed.

Themes and subthemes identified:

- Theme 1: adapting services according to patient Covid status
 - Admission to wards (outliers, offsite)
 - Pre- and post-operative care (orthopaedics and orthogeriatrics)
 - Therapy and rehab
 - Discharge
- Theme 2: communicating and coordinating change
 - Redeployment and upskilling
 - Communication practices
 - Service coordination

WP2 publication plan:

- Barriers and facilitators to the implementation of hip fracture services – aiming to circulate first draft by end of October to submit in November 2021
- Multi-disciplinary team working in the delivery of hip fracture - aiming to submit by end of 2021

Dissemination

There was enthusiasm for the REDUCE Study following Xavier Griffin’s presentation at the British Orthopaedic Association Congress, held in September 2021 in Aberdeen.

Sarah Drew’s presentation, “Implementation of hip fracture services: a qualitative study using extended Normalization Process Theory”, was well received at the Society of Social Medicine and Population Health Annual Scientific Conference (online) in September 2021.

Contact: Marianne Bradshaw, REDUCE Research Administrator, marianne.bradshaw@bristol.ac.uk

Website: <https://www.bristol.ac.uk/translational-health-sciences/research/musculoskeletal/rheumatology/research/hip-fractures>

Funded by

**VERSUS
ARTHRITIS**