

IMPACT

International Multicentre
Project Auditing COVID-19
in Trauma & Orthopaedics
Collaborative Research



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NHS
National
Services
Scotland



IMPACT: International Multicentre Project Auditing COVID-19 in T&O

We introduce this multi-faceted 'suite' of collaborative research/audit projects which are outlined in the IMPACT Overview attached. IMPACT is hosted/supported by the Scottish Orthopaedic Research Trust into Trauma (SORT-IT - a research charity based in the Royal Infirmary of Edinburgh), the Scottish Hip Fracture Audit (SHFA), and the Scottish Government.

At the core of IMPACT is the need to encourage and coordinate collaboration between hospitals, regions, and national audit programmes. We seek to provide a mechanism to share experience of our clinical situations, discuss the impact of COVID19 on hip fracture services and T&O services, collaborate on urgent research/audit, and discuss strategies to mitigate disruption.

IMPACT Hip Fracture Audit

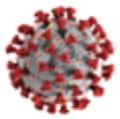
IMPACT Services Survey

IMPACT Virtual Summit

The projects are active in every Scottish hospital, and we're delighted to have gained support from clinicians and national representative bodies from the UK, Ireland, Spain, Australia, New Zealand, Italy, and Germany to date and this list is growing daily. We believe IMPACT is the nucleus of the international emergency research response to the COVID-19 pandemic, and we would be thrilled to welcome your participation.

To express interest in participating in **IMPACT**, please contact Andrew.Hall15@nhs.net (SORT-IT & SHFA Research Fellow) or Karen.Adam@gov.scot (SHFA & Scottish Government)

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IMPACT is a suite of multicentre collaborative projects established and administered by the **Scottish Hip Fracture Audit (SHFA)** and **Scottish Orthopaedic Research Trust into Trauma (SORT-IT)** in response to the global COVID-19 / SARS-Cov-2 pandemic.

▪ **IMPACT Services Survey**

Online survey auditing the impact of COVID-19 on Trauma & Orthopaedic services

- Assesses the global impact of COVID-19 on Trauma & Elective Orthopaedic services
- Identifies strategies for mitigation of disruption secondary to COVID-19
- Identifies strategies for planning and delivering T&O services post-COVID-19
- T&O units are encouraged to appoint a dedicated senior clinician / service manager
- Findings will be analysed and shared with participants, and published in the literature
- The anonymity of participating individuals and hospitals will be ensured
- **Survey now live at: <https://tinyurl.com/ybs69r78>**

▪ **IMPACT Hip Fracture Audit**

Collaborative clinical audit assessing hip fracture epidemiology, care, and outcomes

- Multicentre audit with prospective & retrospective data collection from 1st March 2020
- Assess the epidemiology of hip fracture during a global viral pandemic
- Assess the incidence of COVID-19 in the hip fracture population
- Assess early post-injury outcomes
- Identify clinical predictors and prognostic indicators
- Provide vital information to aid service design & delivery, and guide clinical decisions

▪ **IMPACT Virtual Summit** (May 2020)

Online virtual meeting of national hip fracture programmes and clinicians

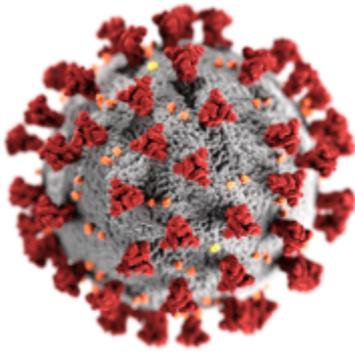
- We will host an online event welcoming clinical experts and representatives from national hip fracture audit programmes to a virtual global summit in May
- Share experience of the impact of COVID-19 on T&O services
- Share knowledge and identify areas for research collaboration
- Discuss key issues around delivering T&O services during the pandemic and beyond

To express interest in participating with **IMPACT**, please contact Andrew.Hall15@nhs.net (SORT-IT & SHFA Research Fellow) or Karen.Adam@gov.scot (SHFA & Scottish Government)



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Edinburgh **Orthopaedics**

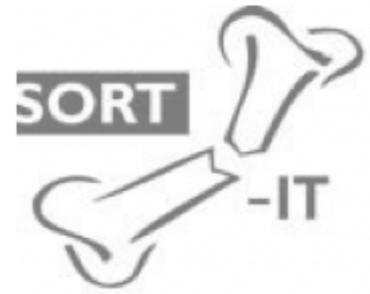


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Hip Fracture Audit

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Introduction

The **IMPACT Hip Fracture Audit** is an international multicentre collaborative audit set up as an emergency research response to the COVID-19 pandemic. It assesses primarily:

- i) The effects of the COVID-19 pandemic on **hip fracture epidemiology**;
- ii) The effects of COVID-19 infection on **patient outcomes**;
- iii) Factors **predictive of poorer outcome**.

The IMPACT Hip Fracture Audit is a collaborative research project administered by:

- **Scottish Hip Fracture Audit (SHFA)** in conjunction with the Scottish Government;
- **Scottish Orthopaedic Research Trust into Trauma (SORT-IT)**, an orthopaedic research charity based at Royal Infirmary of Edinburgh, UK.

Collaboration

We invite collaboration from national hip fracture programmes, hospital systems, and hospitals from any nation who are involved in the delivery of acute hip fracture services.

We ask that each participating unit assigns a clinician, group of clinicians, or audit coordinator to collect data prospectively using the IMPACT Hip Fracture Audit *Data Collection Tool*.

Data collection

The audit period began on 1st March 2020, and we request that units joining IMPACT after this date collect data retrospectively for the elapsed period since 1st March 2020. The collection period endpoint is not yet defined but is under constant review based on multicentre discussion.

Data should be submitted in batches (either **fortnightly** or **monthly**) and should capture a 30-day follow-up period for each patient which should include discharge details, mortality (in hospital, or post-discharge), and COVID-19 status up to 30 days post-admission.

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Inclusion criteria:

- Age \geq 50 years
- New admissions (fracture sustained outside hospital)
- Existing inpatients (fracture sustained in hospital or transferred from another hospital)
- Acute fractures
- 'Missed' or late presentation fractures

Exclusion criteria:

- Shaft of femur fracture (>5cm distal to lesser trochanter)
- Isolated fracture of greater trochanter, acetabulum, pubic ramus
- Periprosthetic fracture

Data handling

Data will be submitted to a secure mailbox belonging to Public Health Scotland (NHS National Services Scotland, Scottish Government), hosted on a secure NHS Mail server.
phs.isdmskaudit@nhs.net

It is not necessary to submit patient-identifiable information to this audit. It is however requested that units retain this information locally to facilitate future queries arising during the audit. The identity of participating individuals/hospitals will be protected (visible only to the Analysis Group).

Data analysis of anonymised datasets will be carried out by the SORT-IT Analysis Group: Andrew Hall; Nick Clement; Andrew Duckworth; Paul Jenkins, and Tim White.

This study was assessed using the UKRI / MRC / NHS Health Research Authority Ethics Decision Tool (<http://www.hra-decisiontools.org.uk/ethics/>) and is considered 'audit / not research' and therefore is not subject to further ethical review by the NHS Research Ethics Committee (NHS REC). This certificate is included below.

Participants should ensure that data is handled in accordance with the UK Caldicott Principles or their international equivalent, as well as your local data governance procedures.

Recognition of participation

We can provide a Certificate of Participation for individuals, hospitals, or governance agencies. Any work published in medical literature will include recognition of participation commensurate with the level of involvement in the study. It will be classified as a Collaborative Audit; participants with a major role in study design, planning, analysis, or write-up being recognised as part of the **IMPACT Hip Fracture Audit: Writing Group**, and participants involved in data collection or similar recognised as part of the **IMPACT Hip Fracture Audit: Audit Group**.

Please submit **queries** to: **Andrew.Hall15@nhs.net** (SORT-IT & Scottish Hip Fracture Audit Research Fellow)
Please submit **data** to: **phs.isdmskaudit@nhs.net** (Secure mailbox, Public Health Scotland, NHS Scotland)

Go straight to content.



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Is my study research?

📄 To print your result with title and IRAS Project ID please enter your details below:

Title of your research:

International Multicentre Project Auditing COVID-19 in Trauma & Orthopaedics (IMPACT): Hip Fracture Audit

IRAS Project ID (if available):

You selected:

- **'No'** - Are the participants in your study randomised to different groups?
- **'No'** - Does your study protocol demand changing treatment/ patient care from accepted standards for any of the patients involved?
- **'No'** - Are your findings going to be generalisable?

Your study would NOT be considered Research by the NHS.

You may still need other approvals.

Researchers requiring further advice (e.g. those not confident with the outcome of this tool) should contact their R&D office or sponsor in the first instance, or the [HRA](#) to discuss your study. If contacting the HRA for advice, do this by sending an outline of the project (maximum one page), summarising its purpose, methodology, type of participant and planned location as well as a copy of this results page and a summary of the aspects of the decision(s) that you need further advice on to the HRA Queries Line at Queries@hra.nhs.uk.

For more information please visit the [Defining Research](#) table.

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