

Institutional Review Board Statement

Name of Journal:

World Journal of Orthopaedics

Title:

Utilising The Impact of Covid-19 On Trauma Throughput To Adapt Elective Care Models For More Efficient Trauma Care

Manuscript ID:

77602

Institutional Review Board Statement: This study was formally registered and approved by our Institutional Clinical Audit and Quality Improvement Team (University Hospitals of Leicester NHS Trust). The Registration form has been attached.



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Trauma & Orthopaedic Registrar

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**CLINICAL AUDIT and other QUALITY IMPROVEMENT
PROJECT PLANNER & REGISTRATION FORM** (Sep 2018 version)



■ It is a mandatory requirement to register all improvement & assurance activity (by submission of this planner) as detailed in the UHL Clinical Audit Policy.
 ■ Please complete and submit as detailed here → → → → → → → → → →
 ■ For questions with an asterisk * please choose from the pull-down pick lists provided.
 ■ For further guidance on how to answer each section, hover over the red triangles in the top right of the cells.

You can submit this planner by emailing it to:-
 Clinical Audit Mailbox or to your Clinical Audit Facilitator

Office Use Only
 Registration No:
 Date Registered: 01/07/2020

Project Supervisor:		Project Lead		Other person helping with project	
Name (in full)	Professor J Dias	Name (in full)	Kunal Kulkarni	Name (in full)	Rohi Shah
Job Title	Consultant	Job Title	ST7	Job Title	ST5
Specialty*	Orthopaedics	Specialty*	Orthopaedics	Specialty*	Orthopaedics
Clinical Management Group	Musculoskeletal and Specialist Surgery	Clinical Management Group	Musculoskeletal and Specialist Surgery	Clinical Management Group	Musculoskeletal and Specialist Surgery
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Audit Project Details	Project Title	Phase 1: Impact of Covid-19 on Trauma clinical activity/Benefits of an elective mindset for trauma patients: learning from the impact of covid-19
	Why is this project needed? (select one option)	We need/want to improve practice
	What other areas (eg another Specialty/CMG/Trust) might this project have implications for?	N/A
	Have you made these other areas aware of the project? Who have you discussed it with?	N/A
	Will this project require collection or storage of patient-identifiable data?	Yes but data will be pseudo-anonymised

Background	What is prompting you to look at this topic as a priority over other possible topics?	The Covid-19 pandemic has had a significant impact on the provision of healthcare globally, affecting many aspects of Orthopaedic and trauma care. Not only have elective services been largely cancelled, but ongoing essential services (e.g. trauma) have had to adapt their ways of working to ensure safe care for patients as well as healthcare professionals.
	What benefits for patients do you hope to bring about by doing this audit?	These adaptations and significant changes to practice may be the driver for landmark changes to the way healthcare is provided, and if successful; we may never return to precisely the same way of working in the future. Some of the aspects of care delivery (e.g. remote consultations) provide an opportunity for learning and technological advancement, inevitably leading to longstanding changes to ways of working being formed.

Aims & Objectives	Aim: This phase of the study aimed to identify the objective changes to Orthopaedic trauma activity as a consequence of the Covid-19 pandemic. Objectives: 1. Investigate change in rates of trauma case load (in- and outpatient) 2. Investigate impact of Covid-19 on theatre throughput (numbers of cases, duration, turnaround time)
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Standards / Measures	Ref	Standards / Measures (Process/Outcome)	Target	Exceptions	Source of evidence	What are the risks of non-compliance with this standard?
	1	Trauma caseload management: Outpatient clinics	Reduced		Fracture clinic ED Coding	None - as comparative data to 3 months prior to COVID period
	2	Trauma caseload management: Operated patients	Reduced		ORMIS Trauma	None - as comparative data to 3 months prior to COVID period
	3	Trauma caseload management: Inpatients	Reduced		ORMIS Trauma	None - as comparative data to 3 months prior to COVID period
	4	Trauma caseload management: Daycase surgical patients	Reduced		ORMIS Trauma	None - as comparative data to 3 months prior to COVID period
	5					

To add more standards, please [CLICK HERE](#)

Methodology	Data source for identifying the audit population?	Trauma admission database Excel sheet of cases booked for theatre HISS	What is the total population? (Please enter number)	Will vary depending on sample size each database source
	What sample size you will use? (Please enter a number or %)	Consecutive sample size from time frame stated below	Data collection method?	Retrospective
	What time period is being used to identify the population?	From: DD/MM/YYYY 01/01/2020	To: DD/MM/YYYY 30/06/2020	
	What project support do you require? (Please tick all appropriate boxes)	<input type="checkbox"/> No support required (Registration only) <input type="checkbox"/> Data Collection Form (Electronic/paper) <input type="checkbox"/> Report Writing <input type="checkbox"/> Project Management <input type="checkbox"/> Methodology <input checked="" type="checkbox"/> Identifying population/calculating sample size <input type="checkbox"/> Presentation <input type="checkbox"/> Project Planning <input checked="" type="checkbox"/> Data collection <input type="checkbox"/> Analysis <input type="checkbox"/> Acting on results		

Important Dates & Deadlines	When do you propose to start your data collection?	Month: August Year: 2020	If the Project Lead is non-permanent staff, what date will they be leaving their current post?	Month: Year:	Please give details...
	When do you plan to present your findings <u>in UHL?</u>	Month: December Year: 2020	Will you be presenting your findings outside of UHL?	<input checked="" type="checkbox"/> Yes (Please go to next question) <input type="checkbox"/> No	
			At what forum, meeting, conference etc... will you be presenting the audit findings?		

Thank you for completing this planner.

- Please email the planner to the following:-
- Your affiliated Clinical Audit Facilitator- See link → [Click for link to list of affiliated Clinical Audit Facilitators](#)
 - Your CMG / Specialty Audit Lead - See link → [Click for link to list of CMG / Specialty Audit Leads](#)
 - Copy in all members of your project team → [Click for link to process for obtaining casenotes for audit](#)