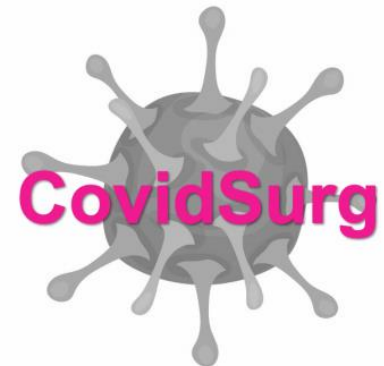


Preliminary results of CovidSurg Audit at WWL

C Whelton, H Divecha,
H Wynn-Jones, T Board



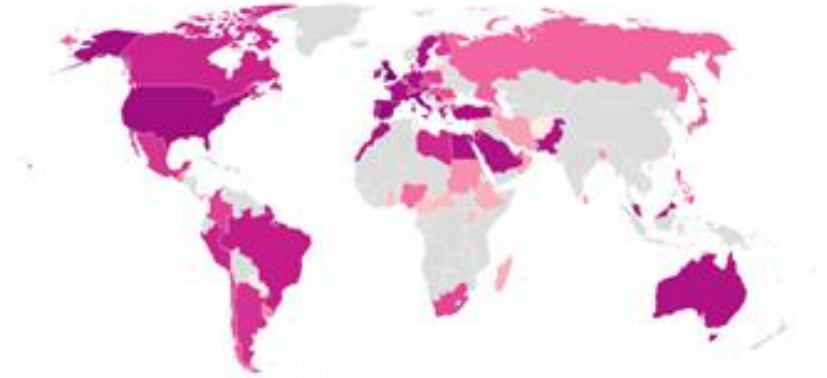
NIHR Global Health Research Unit on
Global Surgery



Introduction

- “There is an urgent need to understand the outcomes of COVID-19 infected patients who undergo surgery.”
- Real-world data and sharing international experience will inform the management of this complex group of patients who undergo surgery throughout the COVID-19 pandemic, improving their clinical care.

CovidSurg patients/country



CovidSurg Updates and Outputs

 78
Countries

 950
Centres

 32523
Patients

Methods

CovidSurg – Study Protocol

Outcomes of Surgery in COVID-19 infection: international cohort study

International | Multicentre | Observational Cohort | REDCap | Study period until September 30th 2020 | Collaborative Authorship

Outcomes

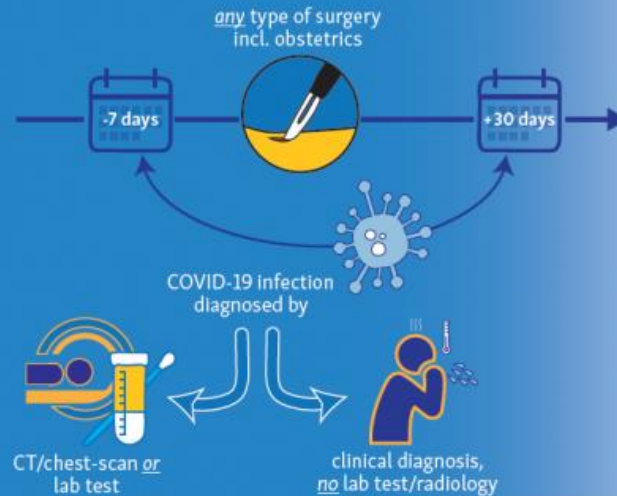


1^o • 30-d mortality rate after surgery in COVID-19 positive patients

2^o • 7-d mortality
• 30-d reoperation
• ICU admission
• respiratory failure
• ARDS
• sepsis

} postoperative

Patient inclusion



Retrospective review of all orthopaedic procedures at WTN and RAEI

23/3/20 to 18/5/20

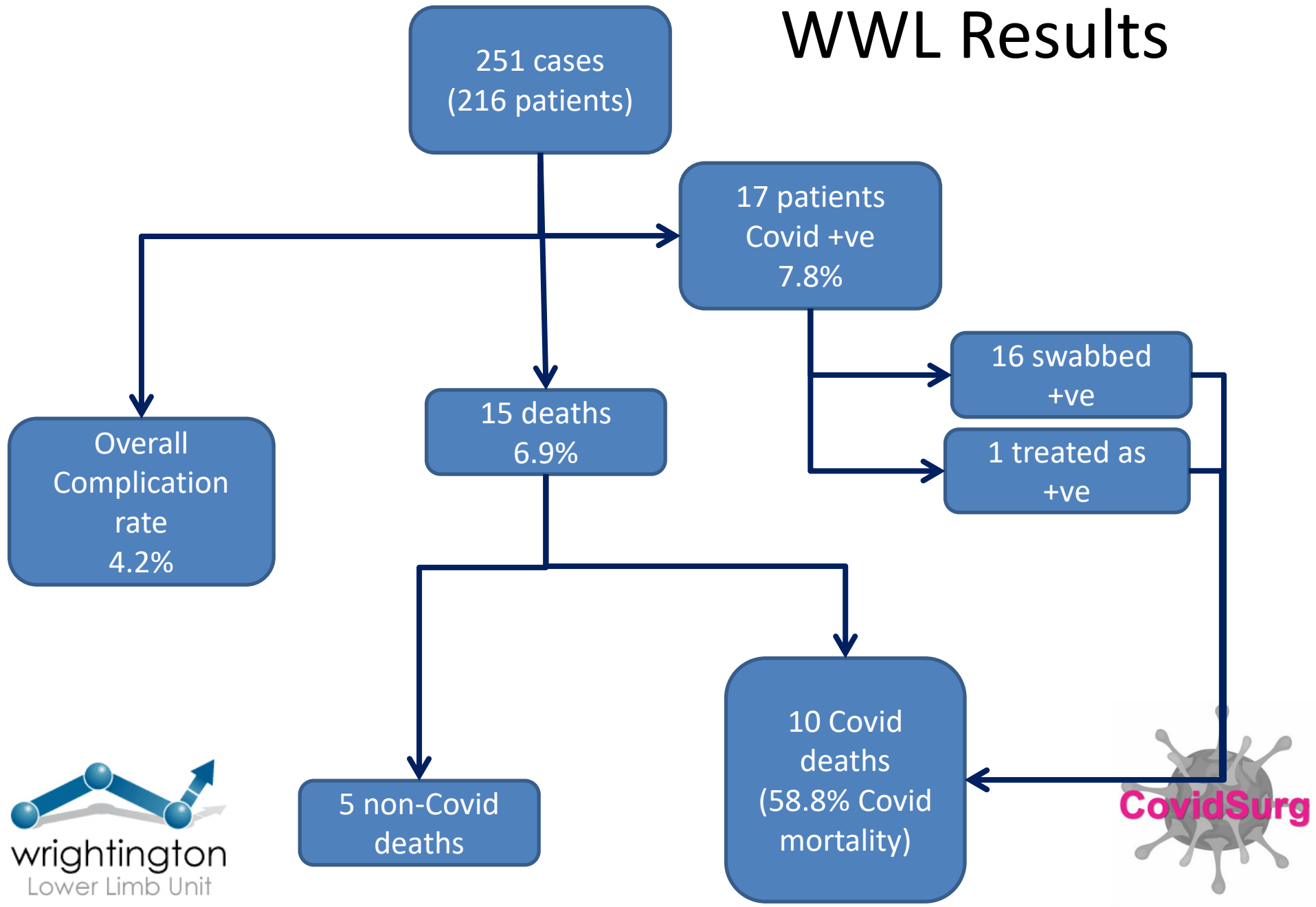
Reviewed 30 day post op outcomes

- Covid status, mortality and complications.

CovidSurg Collaborative 2020



WWL Results



Operations	
DHS	16
Hemi	26
ORIF Femur	6
Femur Nail	6
THR	3
Rev THR	5
Ankle ORIF	22
Wound	24
THR MUA	15
Elbow trauma	19
Hand Trauma	55
Tibial nail	1
Knee trauma / urgent soft tissue	10
Shoulder Trauma	7
Distal Fem replacement /revision knee	2
Below knee amputation	1
Urgent elective	26

Results

Complications	Covid status		N
Surgical site infection	1+ve 3 -ve		4
Post op PP#	-ve		1
Greater trochanteric Haematoma	-ve		1
Elbow re-dislocation	-ve		1
Upper GI bleed	+ve		1
ORIF failure	+ve		1
Deaths	-ve	COPD, Intracranial haemorrhage, 3 x Unknown	5
	+ve	3 hemiarthralpalsty 2 DHS 3 THR MUA 2 femoral nails	10

Return to theatre: 16 patients:

- 13 patients returned twice
- 3 patients returned three times
- Of the 16 patients, 6 were Covid +ve.
- 50% mortality for return to theatre in Covid +ve patients

Conclusion

- Covid-19 resulted in new challenges in managing all orthopaedic patients
 - Particularly trauma patients, and specifically neck of femur patients. Covid -19 in this latter frail sub cohort is particularly devastating, but possibly unavoidable given the urgency of their surgery.
- Return trips to theatre should be avoided.
- The complication rate in general, however, did not appear to be dramatically higher than expected given the challenges with time to surgery, the effect of PPE or the staffing adjustments.
- Despite high numbers of patients reviewed locally, significantly greater numbers are required to accurately investigate evolving trends.

- REF: <https://globalsurg.org/covidsurg/>