

Super-SNAP1: cancellations and delays to surgery

Quick overview

<https://www.niaa-hsrc.org.uk/Super-SNAP1#pt>

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What is Super-SNAP1?

Super-SNAP1 is the first Super-SNAP project and is being run by the HSRC in conjunction with UCL and the University of Nottingham.

This Super-SNAP1 will investigate **cancellations and delays to surgery**. We aim to:

- Understand the current rate of last-minute cancellations for planned surgery and the reasons/risk factors for cancellations
- Establish whether operation/interventional list efficiency and productivity is being affected by factors outside the control of the clinical team (e.g. bed availability, staff shortages)
- Describe the variation in operating list characteristics, efficiency and cancellations over different regions within the UK and between different types of hospitals (e.g. acute vs. cold sites)
- Determine if emergency surgery is being provided within the desired timeframe for patients

Our top tips for success

- Involve both surgical and anaesthesia colleagues, and where required, theatre coordinators
- Complete data collection prospectively
- Get your colleagues involved and recognise your colleagues' contributions

When is Super-SNAP?

Data collection period:

- Starts: 08:00 on Tuesday 11th January
- Ends: 07:59 on Thursday 13th January

Data entry:

- Deadline for online submission: 9am on Monday 17th January

Inclusion/ Exclusion Criteria and Definitions

Inclusion criteria (also see definitions below)

All **adult and paediatric** surgery and interventional procedures either:

- taking place in an operating theatre; and/or
- requiring the support of an anaesthetist (e.g. interventional radiology procedures)

Exclusion Criteria

- Obstetric procedures or surgery
- Diagnostic or minor interventional procedures not requiring anaesthetic support

Definitions

- A procedure: any surgical or other intervention that takes place either in an operating theatre or an interventional suite requiring the support of an anaesthetist
- Elective: the patient was invited to attend having been on a planned procedure waiting list. This would include surgical prioritisation categories P2, 3 and 4, and both elective and expedited NCEPOD categories.
- Emergency: the patient was listed for their surgery/intervention with the expectation that it would take place within 72h. This would include patients who were admitted to hospital as an emergency to wait for their procedure, and those allowed to go home and return for their procedure, as long as the expectation was that the treatment would take place within 72h of decision to operate (e.g. minor fractures, ERPCs). This would include surgical prioritisation category P1, and urgent and emergency NCEPOD categories.

Which data will be collected?

Form 1: Cancelled Elective Patients – one form to be completed for each patient whose operation/procedure is cancelled either on the day or the day before an elective list

Form 2: Elective Operating Theatres & Intervention Rooms – one form to be completed for each elective list

Form 3: Emergency Patients – one form to be completed for each per emergency patient

Form 4: Daily Overview – one form to be completed per hospital each day

Form 1: Cancelled Elective Patients

Trust Name:			
Hospital Name:			
Hospital Site:			
Date of planned procedure:			
Patient age? (tick)			
<18 years	<input type="checkbox"/>	≥18 years	<input type="checkbox"/>
Planned as day-case or inpatient? (tick/circle)			
<18 years	<input type="checkbox"/>	≥18 years	<input type="checkbox"/>
Surgical magnitude? (tick)			
Minor	<input type="checkbox"/>	Intermediate	<input type="checkbox"/>
		Major/complex	<input type="checkbox"/>
Surgical urgency? (tick/circle)			
P2 (<1 month)	<input type="checkbox"/>	P3 (<3 months)	<input type="checkbox"/>
		P4 (>3 months)	<input type="checkbox"/>
Indication for treatment (tick/circle)			
Cancer	<input type="checkbox"/>	Cardiac	<input type="checkbox"/>
		Vascular	<input type="checkbox"/>
		Other	<input type="checkbox"/>
Reason for cancellation (please tick all that apply)			
Medical: long-term condition or medication related	<input type="checkbox"/>	Equipment Problem	<input type="checkbox"/>
Medical: acute condition NOT COVID 19 related (e.g., acute infection)	<input type="checkbox"/>	Patient DNA	<input type="checkbox"/>
Medical: acute/recent COVID 19 infection or complication	<input type="checkbox"/>	Administrative e.g. overbooked list	<input type="checkbox"/>
Lack of hospital bed	<input type="checkbox"/>	Un-known	<input type="checkbox"/>
Lack of critical or enhanced care bed	<input type="checkbox"/>	Staffing (see next section)	<input type="checkbox"/>
List overrun / insufficient operating theatre capacity	<input type="checkbox"/>		<input type="checkbox"/>
Other, please specify:			
If staffing was contributing factor, please indicate which staff groups contributed (tick all that apply)			
Scrub staff	<input type="checkbox"/>	Middle grade anaesthetist	<input type="checkbox"/>
HCA's	<input type="checkbox"/>	Senior surgeon	<input type="checkbox"/>
Porters	<input type="checkbox"/>	Middle grade surgeon	<input type="checkbox"/>
ODP/ODA/anaesthetic nurse	<input type="checkbox"/>	Recovery staff (i.e. not all recovery beds open)	<input type="checkbox"/>
Senior anaesthetist	<input type="checkbox"/>	Ward staff (discharge delays from recovery)	<input type="checkbox"/>
Other, please specify:			

Form 2: Elective Operating Theatres & Intervention Rooms

Trust Name:					
Hospital Name:					
Hospital Site:					
Date of List:					
Total number of patients who underwent anaesthetic intervention on the list today					
..... patients				Please fill out the table below to indicate the number of patients treated in each category of urgency and day case vs. inpatient care.	
	P1	P2 Cancer	P2 Non-cancer	P3	P4
Adult day case					
Adult inpatient					
Paediatric day case					
Paediatric inpatient					
Did the list start on time? (tick)					
Yes		No			
Did the list end on time?					
Yes		No			
In the opinion of the surgical / anaesthetic team, was the full time allocated for surgery and anaesthesia on this list used as efficiently as possible?					
Yes		No			
If the list was not used as efficiently as possible, please select all reasons why this was					
Uncertainty over hospital bed availability		Delays in patients being able to leave theatres (e.g., recovery full /no ICU bed available/removal of all airway devices mandated in theatre)			
Uncertainty over critical or enhanced bed availability		Delays in patients arriving in theatres			
Infection Prevention Control issues (e.g., cleaning theatres; mandated delays between patients)		Organisational issue in theatres (e.g., equipment not available)			
COVID-19 related clinical reasons (e.g. patient awaiting COVID result)		Administrative issues: over or under booked list			
Non COVID-19 related clinical reasons		Staffing			
Other, please specify:					
If you feel staff shortages have affected capacity today, has one staff group been affected more than others? (circle/tick)					
Yes		No			Please turn over for the final question.

If staffing was contributing factor, please indicate which staff groups contributed (tick all that apply)		
Scrub staff	Middle grade anaesthetist	
HICAs	Senior surgeon	
Porters	Middle grade surgeon	
ODP/ODA/anaesthetic nurse	Recovery staff (i.e. not all recovery beds open)	
Senior anaesthetist	Ward staff (discharge delays from recovery)	
Other, please specify:		

Form 3: Emergency Patients

Trust Name:						
Hospital Name:						
Hospital Site:						
Date of procedure:						
Patient age? (tick)						
<18 years	<input type="checkbox"/>	<input type="checkbox"/>	≥18 years	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Planned as day-case or inpatient? (tick)						
Day case	<input type="checkbox"/>	<input type="checkbox"/>	Inpatient	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Surgical magnitude (tick/circle)						
Minor	<input type="checkbox"/>	<input type="checkbox"/>	Intermediate	<input type="checkbox"/>	<input type="checkbox"/>	Major, major+/complex
Intended time to surgery at the time of booking in hours (tick/circle)						
< 2h	<input type="checkbox"/>	<6h	<input type="checkbox"/>	<12h	<input type="checkbox"/>	<24h
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<48h
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<72h
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Not recorded
Time between booking and anaesthesia starting in hours (tick/circle)						
< 2h	<input type="checkbox"/>	<6h	<input type="checkbox"/>	<12h	<input type="checkbox"/>	<24h
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<48h
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<72h
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	>72 hours
Time that anaesthesia started (tick/circle)						
0800 – 1159	<input type="checkbox"/>	1200 – 1759	<input type="checkbox"/>	1800 – 2359	<input type="checkbox"/>	0000 - 0759
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Please only complete the fields below if there was a delay to surgery:						
Reason for delay to surgery (please tick all that apply)						
Uncertainty over hospital bed availability	<input type="checkbox"/>	Delays in patients arriving in theatres				<input type="checkbox"/>
Uncertainty over critical or enhanced bed availability	<input type="checkbox"/>	Delays in patients being able to leave theatres (e.g., recovery full /no ICU bed available)				<input type="checkbox"/>
Infection Prevention Control issues (e.g., cleaning theatres)	<input type="checkbox"/>	Organisational issue in theatres (e.g., equipment not available)				<input type="checkbox"/>
Clinical reasons e.g. patient awaiting test results	<input type="checkbox"/>	Other, please specify:				<input type="checkbox"/>
If stalling was contributing factor, please indicate which staff groups contributed (tick all that apply)						
Scrub staff	<input type="checkbox"/>	Middle grade anaesthetist				<input type="checkbox"/>
HcAs	<input type="checkbox"/>	Senior surgeon				<input type="checkbox"/>
Porters	<input type="checkbox"/>	Middle grade surgeon				<input type="checkbox"/>
ODP/ODA/anaesthetic nurse	<input type="checkbox"/>	Recovery staff (i.e. not all recovery beds open)				<input type="checkbox"/>
Senior anaesthetist	<input type="checkbox"/>	Ward staff (discharge delays from recovery)				<input type="checkbox"/>
Other, please specify:						

Form 4: Daily Overview

Trust Name:				
Hospital name:				
Site name:				
Date of completion (11 th or 12 th January 2022):				
	am	pm	eve	night
Normal number of elective sessions in theatre / interventional suites involving an anaesthetist (consider a typical day within the past year)				
Today: Number of elective sessions in theatre/interventional suites involving an anaesthetist				
Normal number of emergency or trauma sessions in theatre/interventional suites involving an anaesthetist (consider a typical day within the past year)				
Today: Number of emergency or trauma sessions in theatre / interventional suites involving an anaesthetist				
Today: Number of elective theatres doing emergency surgery (i.e., theatres converted from elective work to support emergency surgery)				
Today: Number of empty sessions in theatres or interventional suites involving an anaesthetist				
If there were empty sessions: how many were usual empty sessions and how many were unplanned empty sessions because of service pressures (tick/circle)				
Were there empty sessions?	Y / N	Number of usually empty sessions		Number of unplanned empty sessions
If fewer sessions occurred than usual, what were the reasons for this? (tick all that apply)				
Lack of ward beds		Staff shortages (please see below)		
Lack of critical care beds		Administrative errors		
Other, please specify:				
If staffing was contributing factor to unexpected empty sessions, please indicate which staff groups contributed (tick all that apply)				
Scrub staff		Middle grade anaesthetist		
HICAs		Senior surgeons		
Porters		Middle grade surgeons		
ODP/ODA/anaesthetic nurses		Recovery staff (i.e. not all recovery beds open)		
Senior anaesthetists		Ward staff (discharge delays from recovery)		
Other, please specify:				
If staffing was contributing factor to unexpected empty sessions, please indicate reasons why (tick all that apply)				
Covid related absences (sickness, isolation etc)		Non-COVID related sickness		
Staff redeployment to other services		Other, please specify:		

Where can I find further information?

Please refer to our Local Coordinators Guide and our FAQs page. If your questions are not answered please either:

See our website: <https://www.niaa-hsrc.org.uk/Super-SNAP1#pt> or

E-mail us on: supersnap1@coa.ac.uk

Thank you for your support with this study.

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