

CovidSurg | 2020  
UK Version

# Having an operation during the COVID-19 pandemic



NIHR Global Health Research Unit on  
**Global Surgery**

## ABOUT THIS GUIDE

You or a loved one may be planning or waiting for an operation. We understand this is a stressful time and you will have lots of questions.

This booklet has been created to help patients and their families understand the risks of having an operation during the COVID-19 pandemic. We explain how we will care for you during the pandemic and how we can work together to keep you safe.

*We are very grateful to our Patient Advisory Group who have helped created this booklet.*



*For more information, please visit:  
<http://nihrglobalsurgery.org/surgeryduringcovid>*

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# WHAT YOU NEED TO KNOW

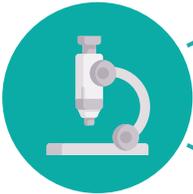
## What is being done to protect surgical patients?

Healthcare services across the world are working hard to protect patients who require surgery during the pandemic from COVID-19 before or after their operation.

Surgeons and researchers have been gathering the most up-to-date information about managing patients who need an operation during the pandemic and contract the virus before or after surgery. This will help make decisions based on actual data, rather than opinion.

**Most patients having surgery during the pandemic will not contract COVID-19 around the time of their operation.**

## What are the risks if I develop COVID-19 after my operation?



Research shows breathing complications can be more severe for patients who contract the virus after an operation, versus those who do not contract the virus. There is also evidence of a higher death rate among these patients.

Patients who have other underlying health problems may also be at increased risk if they develop COVID-19. That is why it is so important we work together to protect surgical patients.

## What is being done to protect surgical patients?

If you or a family member are preparing to undergo surgery during the COVID-19 pandemic, the hospital team and surgeon will have considered the risks and will discuss these with you. They will work hard to make your care as safe as possible.

# PLANNING FOR SURGERY

## When will my operation take place?

Patients are being prioritised to have their operation as soon as is safely possible. The timing of this will reflect resources, including hospital bed availability and local levels of COVID-19. You may be offered an operation in the evening or at the weekend as urgent care is resumed to reduce long waiting lists.



Patient safety prioritisation



Evening or weekend operation time



Reducing waiting lists

## Where will my operation take place?

Operations will be performed in environments designed to ensure patient safety. That might mean your operation is planned in a private hospital that has been designated a 'COVID-19 free' facility to deliver NHS work.



Planned operations



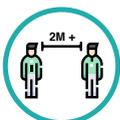
Carefully designed safe environment

## How can I prepare for my operation?

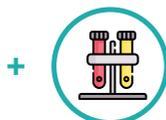
Local teams will guide you, you may be asked to:

- self-isolate for a period of time before your operation.
- be screened for SARS-CoV-2 infection before your operation.

To minimise complications, patients who test positive for the virus will usually need to have their operation delayed. Please talk to your surgeon about the specific risks of your operation and any other measures you can take to prepare.



Pre-operative self-isolation



Pre-operative screening for SARS-CoV-2



Tested positive for the virus



Operation delayed

# STAYING SAFE DURING AND AFTER SURGERY

## What are staff doing to keep me safe during and after surgery?

- Hospital teams will use PPE (personal protective equipment) to protect you and them.
- Some operations may be adapted to minimise operating time or decrease staff exposure to potentially contaminated aerosols or droplets.
- Any modifications to standard care due to COVID-19 will be discussed with you.
- Staff will care for you in environments to avoid exposure to COVID-19.
- Hospitals may restrict visitors.



Fully equipped  
with PPE



Adapted procedures  
to reduce exposure time



Adjusted care  
discussed with you

If you develop COVID-19 after your operation, the hospital team will consider your increased risks due to the recent surgery and provide supportive care to promote recovery from both the operation and any infection.

**Remember: most patients having surgery during the pandemic will not contract COVID-19 around the time of their operation**

# PLANNING FOR SURGERY

## How can I help myself stay safe during and after my operation?

- Adhere to strict hygiene measures.
- Your medical team will advise whether you should follow social distancing or shielding.
- You may choose or be advised to wear a mask.
- You may be cared for in a 'COVID-19 free' facility.
- Visitors may be restricted in hospital and after you go home.
- Virtual clinics will be used where physical follow-up visits can be avoided.



Your surgical team will only discharge you from hospital when it is safe to do so. They will advise you on matters related to your operation and recovery such as how to care for any wounds, pain medication, diet and exercise.

If you have questions about your recovery, please ask your local team.

Hospital and recovery at home can be lonely, it is a good idea to inform family, friends or neighbours that can help you with shopping and errands if you are self-isolating.

# EMERGENCY SURGERY

## What if I need an emergency operation?

Some patients will need an operation within hours or days of presenting to hospital. The pandemic should not stop patients from seeking medical help. **If you are unwell you should not delay. Surgical teams are ready to care for you.**

Some patients may have come into contact with a person with COVID-19 before arrival to hospital. This exposure may cause COVID-19 symptoms around the time of their operation.



Published research shows that patients with COVID-19 infection who also undergo an operation are particularly vulnerable as the body tries to deal with both surgery and COVID-19.

## What if I have COVID-19 and an operation?

Patients who are infected with the virus around the time of operation are at much higher risk of having severe COVID-19 symptoms.

There is approximately 50% risk of breathing difficulties in these patients and 1 in 4 risk of death.

Risk of breathing difficulties = ~50%



Risk of death = ~25%



Due to these very high risks, extra care is taken to protect surgical patients and to support patients who do contract the virus.

# CANCELLATIONS AND DELAYS TO CARE

## Why was my operation cancelled?

Operations are cancelled for many reasons including:

- to minimise the risk of in-hospital infection with COVID-19 and potential complications for patients.
- to release anaesthetists, theatre staff and surgeons for redeployment to support other critical areas of the hospital.
- to release PPE, ventilators and ward or critical care beds to be used for emergency care of COVID-19 infected patients.

## How are waiting lists affected?



Globally, **28 million operations** have been cancelled due to the COVID-19 pandemic.



In the UK we anticipate **just over half a million** patients will have their operation cancelled due to the pandemic.

These estimates are based on a global study of cancellations in the first 12 weeks of COVID-19

## Why is it now safe to (re-)schedule my operation?

Significant re-organisation is taking place to maximise the operations that can take place during the pandemic recovery period. Patients are being prioritised to have treatment as soon as is safely possible.



# KEY TERMS

## **COVID-19 AND SARS-COV-2**

COVID-19 is the name of the disease in this pandemic. It is caused by a virus known as SARS-CoV-2 (severe acute respiratory syndrome coronavirus 2). It is mostly spread by droplets from the nose or mouth of an infected person. Most patients with COVID-19 experience mild or moderate symptoms that do not need hospital care. A minority of patients have more severe symptoms, may be admitted to hospital or require breathing and other organ support.

## **COVID-19 TREATMENT**

Currently no treatments exist to specifically treat the virus so supportive management or care is the main treatment strategy. Prevention therefore, is key, especially for the most vulnerable groups.

## **COVID-19-FREE FACILITY**

This is a designated COVID-19 free hospital or hospital environment with COVID-19 free wards, operating rooms and critical care facilities. Evidence shows that having an operation in a unit like this may reduce your risk of in-hospital transmission.

## **COVID-19-SCREENING**

This usually means a mouth and nose swab but might also involve a scan of your chest. You might need to go to hospital for this before your operation.

## **SELF-ISOLATION**

If you are at higher risk of being seriously affected by coronavirus infection, for example if you are awaiting an operation, you may be asked to self-isolate before coming to hospital, that means staying at home and not leaving for any reason though you may arrange home deliveries of food and medicine. You should also self-isolate if you or anyone you live with has symptoms of COVID-19.

## **SOCIAL DISTANCING**

This describes strategies that reduce close physical contact between people who may be infected and others who are susceptible during a disease outbreak.



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