Disclaimer:

Our recommendations are based on current national guidelines and relevant evidence-base. This guideline helps inform clinicians clinical judgement. However, clinicians will consider the trade-off between the benefits and harms of an intervention before making a clinical decision.

PRT04 Respiratory Illnesses Protocol

The Royal Wolverha

1.0 Procedure Statement (Purpose / Objectives of the Procedure)

Respiratory viruses include seasonal, avian, and pandemic influenza, respiratory syncytial virus (RSV) and severe acute respiratory syndromes (SARS).

COVID-19, a form of SARS, along with many other respiratory infections such as influenza (flu), can spread easily and cause serious illness in some people. You may be infected with a respiratory virus such as COVID-19 and not have any symptoms but still pass infection onto others.

The common respiratory viruses are seasonal influenza and RSV. They can infect any age group although the severe complications of such infection are often restricted to children and the elderly. These viruses are most commonly transmitted by airborne droplets or nasal secretions and can lead to a wide spectrum of illness. In the UK many of these viruses are seasonal in their activity and tend to circulate at higher levels during the winter months.

The risk of catching or passing on a respiratory illness is greatest when someone who is infected is physically close to or sharing an enclosed and/or poorly ventilated space with other people. When someone with a respiratory viral infection such as COVID-19 breathes, speaks, coughs or sneezes, they release small particles that contain the virus which causes the infection. These particles can be breathed in or can come into contact with the eyes, nose, or mouth. The particles can also land on surfaces and be passed from person to person via touch.

2.0 Accountabilities

As stated in the National infection prevention and control manual for England C1691

Chief Executive/Executive Board are responsible for

- ensuring systems and resources are available to implement compliance with infection prevention and control
- culture that encourages safe working practices for everyone
- safe systems of work, including managing the risk associated with infectious agents through completion of risk assessments and approved through local governance procedures

Chief Operating Officers (COOs) are responsible for

- directing the conduct of operational activities in relation to this protocol
- providing leadership, support, direction and assurance

Director of Infection Prevention and Control (DIPC) is responsible for ensuring

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> adoption and implementation of this protocol in accordance with local governance processes

Matrons/Managers/Senior Sisters/Charge Nurses of all services must ensure that staff

- are aware of and have access to this protocol, including measures required to protect themselves and other staff from infection risk
- have adequate support and resources to implement, monitor and take corrective action to comply with this protocol

All staff providing care must

- show their understanding by applying the infection prevention and control • principles in this protocol
- communicate the infection prevention and control practices to be carried out by colleagues, those being cared for, relatives and visitors, without breaching confidentiality
- report to line managers, document and action any deficits in knowledge, ٠ resources, equipment an facilities or incidents that may result in transmitting infection including near misses
- not provide care while at risk of transmitting infectious agents to others; if in ٠ doubt consult line manager, occupational health and wellbeing or the infection prevention team (IPT)
- inform the IPT of any outbreaks or serious incidents relating to this protocol

Infection Prevention Team must

inform RWT, NHS England, Midlands Region and UK Health Security Agency • (UKHSA) and Black Country integrated care board of any outbreaks or serious incidents

3.0 Procedure/Guidelines Detail / Actions

COVID-19 treatment guidance can be located in the adult medical guidelines section on the Royal Wolverhampton Trust (RWT) Intranet – sub section of COVID-19 treatment auidelines

COVID-19 Treatment Guidelines v 2.21.pdf

Treatment pathway for the management of acute COVID-19 v5.pdf

Adult Medical Guidelines

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PPE guidance can be located in the National Infection Prevention Manual or <u>IP09</u> and <u>IP12</u> on the RWT Intranet

Flowchart for admissions through Emergency Department and Same Day Emergency Care (SDEC) is available to follow – <u>Appendix 1</u>

For patients who require Critical Care admission guidance is available on isolation – <u>Appendix 2</u>

Symptoms of a respiratory tract infection, including COVID-19 – Appendix 3

Poster available informing staff of when you need to wear a face mask – <u>Appendix 4</u>

List of Aerosol Generating Procedures (AGPs) – Appendix 5

Guidance for Influenza contact patients –<u>Appendix 6</u>

Action card for the stepdown of PCR positive COVID-19 patients or clinically diagnosed COVID-19 to resolved –<u>Appendix 7</u>

Action card for stepdown of Influenza positive patients to resolved – Appendix 8

Poster available for which clean do you require on discharge –<u>Appendix 9</u>

Requisition for powered air-purifying Respirator (PAPR) –<u>Appendix 10</u>

Mask Fit testers are available in most clinical areas. If a new fit tester is required, please contact: <u>rwh-tr.clinicalskillsdepartment@nhs.net</u>

Respiratory Hoods can be obtained from the Medical Equipment Library

Tuberculosis (TB) Guidelines: <u>DPROC RESP12 tuberculosis-guidelines.pdf (xrwh.nhs.uk)</u>

4.0 Equipment Required

Appropriate personal protective equipment, please refer to IP12 Standard Precautions

5.0 Training

No training required

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6.0 Financial Risk Assessment

1	Does the implementation of this document require any additional Capital resources	No
2	Does the implementation of this document require additional revenue resources	No
3	Does the implementation of this document require additional manpower	No
4	Does the implementation of this document release any manpower costs through a change in practice	No
5	Are there additional staff training costs associated with implementing this document which cannot be delivered through current training programs or allocated training times for staff.	No
	Other comments	

7.0 Equality Impact Assessment

An equality analysis has been carried out and it indicates that:

Tick	Options
\checkmark	A. There is no impact in relation to Personal Protected Characteristics as defined by the Equality Act 2010.
	B. There is some likely impact as identified in the equality analysis. Examples of issues identified, and the proposed actions include:
	•
	•

8.0 Maintenance

This protocol will be reviewed at least annually by the Senior Matron Infection Prevention or following any national guidance.

9.0 Communication and Training

The protocol will be disseminated to all Trust staff via e mail and it will also be available on the Intranet.



Disclaimer:

Our recommendations are based on current national guidelines and relevant evidence-base. This guideline helps inform clinicians clinical judgement. However, clinicians will consider the trade-off between the benefits and harms of an intervention before making a clinical decision.

10.0 Audit Process

There will be no formal audits related to this protocol but numbers of cases are reported externally and the team daily monitor compliance with isolation and compliance with any treatments.

Compliance will be monitored through IPCG following outbreaks or serious incidents

Criterion	Lead	Monitoring method	Frequency	Evaluation
Number of outbreaks or serious incidents recorded relating to respiratory illnesses	Senior Matron Infection Prevention	Outbreak reporting	Monthly	Infection Prevention and Control Group

11.0 References

- IP01 Hand Hygiene
- IP12 Standard Precautions
- Living safely with respiratory infections Living safely with respiratory infections, including COVID-19 GOV.UK (www.gov.uk) Last updated June 2022
- COVID-19: information and advice from health and care professionals <u>COVID-19:</u> <u>information and advice for health and care professionals - GOV.UK (www.gov.uk)</u> Last updated March 2023
- National Infection Prevention and Control Manual
- national-infection-prevention-control-manual-England-version-2.10.pdf
- Tuberculosis (TB) Guidelines
- Tuberculosis diagnosis, screening, management and data
- Tuberculosis (TB): diagnosis, screening, management and data GOV.UK

Part A - Docume		-		1
Procedure/	Title of	Status:		Author:
Guidelines number	Procedure/Guidelines	Final		Senior Matron Infection
and version	Pespiratory Illnesses	Final		Prevention
PRT04	Respiratory Illnesses Protocol			FIEVEILION
Version 3.0				For Trust-wide Procedures and Guidelines Chief Officer Sponsor: Chief Nursing Officer
Version / Amendment	Version	Date	Author	Reason
History	1	Dec 2022	Kim Corbett Senior Matron Infection Prevention	This is a new protocol for all RWT staff to follow in relation to respiratory illnesses
	1.1	July 2023	Senior Matron Infection Prevention	Hyperlink updated within section 3.0 for sub section of COVID-19 treatment guidelines and inclusion of hyperlink for Treatment Pathways for the inpatient management of acute COVID-19
	1.2	July 2023	Senior Matron Infection Prevention	Updates and revisions made to appendices associated with protocol
	2.0	Feb 2024	Matron Infection Prevention	Annual Review
	3.0	November 2024	Matron Infection Prevention	Annual Review
Intended Recipient	t s: All staff groups			
	p / Role Titles and Date: logists, Consultant Respira			•
-	group where reviewed	Trust Polic	cy Group – April	2025
Name and date of t committee (if trust Directorate or othe committee (if local document)	final approval -wide document)/ er locally approved		cy Group – April	
Date of Procedure	Date of Procedure/Guidelines issue			

Part A - Document Control

Review Date and Frequency (standard	February 2026 (At least annually or following
review frequency is 3 yearly unless otherwise	any national guidance update)
indicated – see section 3.8.1 of Attachment	
1)	

Training and Dissemination: The protocol will be disseminated to all RWT staff and will be available for reference on the Intranet

To be read in conjunction with: IP01 Hand Hygiene IP12 Standard Precautions

Initial Equality Impact Assessment: Completed Yes Full Equality Impact assessment (as required): Completed NA If you require this document in an alternative format e.g., larger print please contact Policy Management Officer 85887 for Trust- wide documents or your line manager or Divisional Management office for Local documents.

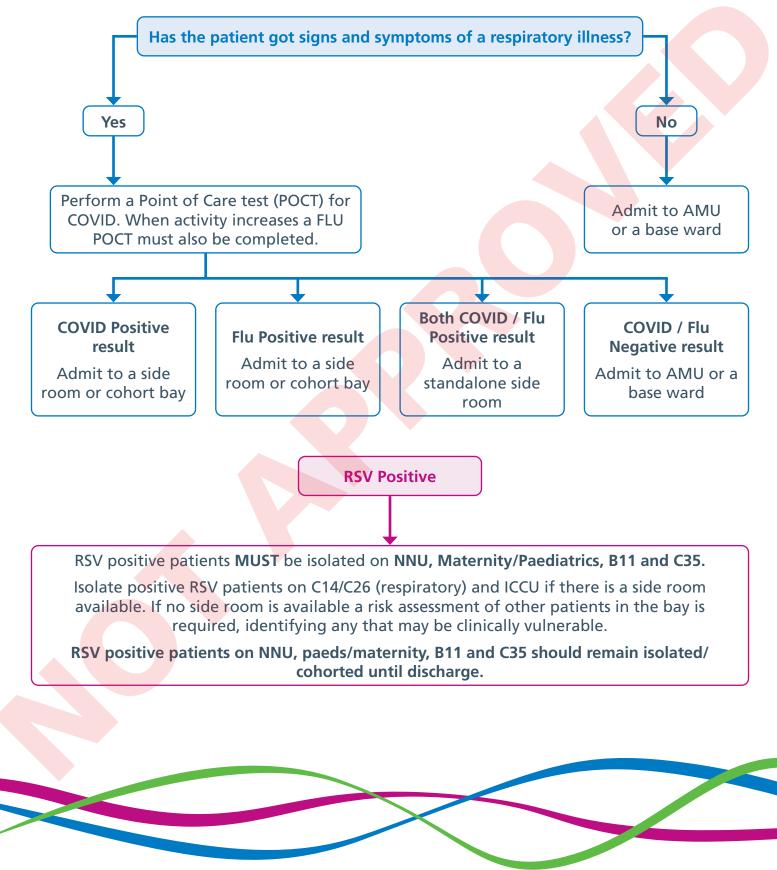
Contact for Review	Senior Matron Infection Prevention
Monitoring arrangements	Monthly outbreak/serious incident data at IPCG

Document summary/key issues covered. Respiratory viruses include seasonal, avian, and pandemic influenza, respiratory syncytial virus (RSV) and severe acute respiratory syndromes (SARS). COVID-19, along with many other respiratory infections such as influenza (flu), can spread easily and cause serious illness in some people. You may be infected with a respiratory virus such as COVID-19 and not have any symptoms but still pass infection onto others. The common respiratory viruses are seasonal influenza and RSV. They can infect any age group although the severe complications of such infection are often restricted to children and the elderly. These viruses are most commonly transmitted by airborne droplets or nasal secretions and can lead to a wide spectrum of illness. In the UK many of these viruses are seasonal in their activity and tend to circulate at higher levels during the winter months. The risk of catching or passing on COVID-19 is greatest when someone who is infected is physically close to or sharing an enclosed and/or poorly ventilated space with other people. When someone with a respiratory viral infection such as COVID-19 breathes, speaks, coughs or sneezes, they release small particles that contain the virus which causes the infection. These particles can be breathed in or can come into contact with the eyes, nose, or mouth. The particles can also land on surfaces and be passed from person to person via touch.

Key words for intranet searching purposes	PRT04, Respiratory Illnesses, Respiratory Illness, Infection, Respiratory, COVID, Covid-19, Infection Prevention, Respiratory Tract, clinically extremely vulnerable, Infection, Respiratory Viruses, Influenza,
	SARS, RSV

The Royal Wolverhampton

Flowchart for admissions through ED and SDEC



Safe & Effective | Kind & Caring | Exceeding Expectation

MI_13063514_19.12.24_V_1.1

Appendix 2

ICCU Respiratory Guidance

A patient must be accepted on clinical need and not await an appropriate bed.

Therefore, for RSV, Flu A and B and COVID, the following principles may help when deciding where to place patients on ICCU.

- 1. For a patient with a respiratory virus, ideally, they should be in a side room, if one is available.
- 2. If there are insufficient side rooms, then patients with RSV can be nursed in the bay (whether intubated or not). They should be at least a bed space away from any patients who are more vulnerable e.g., on immunosuppression, or chronic respiratory disease.
- 3. If there are still insufficient side-rooms, then any patient with influenza (A or B) who is intubated and ventilated, can be moved into a bay with other non-flu patients. NB if they are to be extubated, they should either be moved into a side-room or should be resolved (see below).
- 4. Patients with COVID should be nursed in a side-room unless they are in a cohort COVID bay. While it may not make much logical/scientific sense to treat this virus differently to flu, the ongoing external scrutiny of this virus means that, for now at least, we will not put COVID patients in a bay with non-covid patients, even if intubated and ventilated.
- 5. Patients with Flu A who are not intubated but still deemed infectious, can be cohorted with other Flu A patients, but not with flu B patients (or patients who are dually infected with COVID and flu). A similar principle applies to Flu B patients.
- 6. Flu resolved patients: a minimum of 5 days after symptom onset with no fever for 24 hours and/either asymptomatic or improving symptoms
- 7. The same cleaning (amber clean) is required for all of the viruses.

Appendix 3:

Symptoms of a respiratory tract infection, including COVID-19 can include:

Symptoms of COVID-19, flu and common respiratory infections include:

- continuous cough
- high temperature, fever or chills
- loss of, or change in, your normal sense of taste or smell
- shortness of breath
- unexplained tiredness, lack of energy
- muscle aches or pains that are not due to exercise
- not wanting to eat or not feeling hungry
- headache that is unusual or longer lasting than usual
- sore throat, stuffy or runny nose
- diarrhoea, feeling sick or being sick

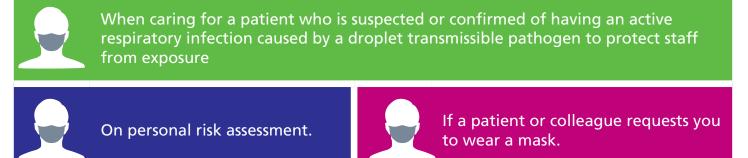
People with symptoms of a respiratory infection including COVID-19 - GOV.UK (www.gov.uk)





When you need to wear a fluid resistant surgical face mask

(This applies to all areas including inpatients, outpatients and community settings)





When caring for patients in outbreak situations involving an infection spread via droplet route.



Emergency Portals. When assessing for symptoms of respiratory tract infections.* including ED, SDEC of all specialties, PAU, Cardiology, Maternity triage, UTC, Phoenix.

Cohort bay of patients with infection spread via droplets, then sessional mask is advised

When not to wear a fluid resistant surgical mask



*Examples of infections transmitted via droplets: SARS-CoV-2 (COVID-19), Influenza A/B, Respiratory Syncytial Virus (RSV), Bacterial Meningitis, Diphtheria, Mumps.

Refer to IP10 Isolation Policy for Infectious Diseases and IP12 Standard Precautions.

Appendix 5:

List of aerosol generating procedures

Aerosol generating procedures (AGPs) are medical procedures that can result in the release of aerosols from the respiratory tract. The criteria for an AGP are a high risk of aerosol generation and increased risk of transmission (from patients with a known or suspected respiratory infection).

The list of medical procedures that are considered to be aerosol generating and associated with an increased risk of respiratory transmission is:

- **awake*** **bronchoscopy** (including awake tracheal intubation)
- **awake* ear, nose, and throat** (ENT) airway procedures that involve respiratory suctioning
- awake* upper gastro-intestinal endoscopy
- **dental procedures** (using high speed or high frequency devices, for example ultrasonic scalers/high speed drills)
- induction of sputum
- respiratory tract suctioning**
- surgery or post-mortem procedures (like high speed cutting / drilling) likely to produce aerosol from the respiratory tract (upper or lower) or sinuses
- tracheostomy procedures (insertion or removal).

*Awake including 'conscious' sedation (excluding anaesthetised patients with secured airway).

** The available evidence relating to respiratory tract suctioning is associated with ventilation. In line with a precautionary approach, open suctioning of the respiratory tract regardless of association with ventilation has been incorporated into the current AGP list. Only open suctioning beyond the oro-pharynx is currently considered an AGP. Oral/pharyngeal suctioning is **not** considered an AGP.

Appendix 6

Flu Contacts in AMU

- Temporarily close the bay to new admissions.
- Assess all patients who have been in contact with a confirmed flu case in the bay and prescribe prophylactic dose of Tamiflu, once daily for 10 days following a medical assessment. Patient should have recent LFTs, U&Es and weight.
- Contacts can be moved to bays in other wards if required as part of their care or discharged once assessed for Tamiflu. Prophylactic Tamiflu should continue for 10 days. Note, **patients returning to their own home or care home must take Tamiflu with TTOs.**
- A confirmed case must be moved to a side room with ensuite facilities or a flu cohort bay following advice from the Infection Prevention Team or Microbiology.
- Do not cohort Flu A, Flu B and COVID-19 positive patients together. Each virus must be cohorted separately
- Bed spaces must be cleaned with a hypochlorite solution and the curtains changed.
- The bay can then reopen.

Flu Contacts in other wards

- Temporarily close the bay to new admissions.
- Move positive flu patient to a side room with ensuite facilities or a cohort flu bay following advice from Infection Prevention or Microbiology.
- Do not cohort Flu A, Flu B and COVID-19 contact patients together. Contacts for each virus must be cohorted separately
- Assess all patients who have been in contact with a confirmed flu case in the bay and prescribe prophylactic Tamiflu once daily for 10 days following a medical assessment. Patient should have recent LFTs, U&Es and weight.
- All contacts to be isolated for 72 hours to observe for signs/symptoms of flu.

- Send a Flu swab if a contact patient develops any signs/symptoms of flu.
- Contacts require 72 hours in isolation or a cohort bay and be asymptomatic before considering moving the patient from isolation or a cohort bay. Prophylactic Tamiflu should continue for 10 days.
- If no further cases are identified after 72 hours and patients are asymptomatic no additional screening is required, and the bay can re-open.

Definitions.

Flu contact: a person who has close contact with another person with infectious influenza e.g., shared the same bay

Tamiflu: flu prophylaxis.

Confirmed case: a patient with laboratory confirmed influenza from a nose or throat swab.

Appendix 7:

SARS-CoV-2 Step down criteria

ACTION CARD		Stepdown of PCR positive COVID-19 patients or clinically diagnosed COVID-19 to resolved			
OFFICERS THIS ROL	S TO UNDERTAKE E	Capacity managers, medical and senior nursing staff			
PROMPT:	Patients previously po	bsitive or diagnosed clinically COVID-19 positive meeting			
	stepdown criteria outlined below				
Pat	tient must meet <u>ALL</u> of th	ne following criteria			
1. Mic	Inight at the end of Day 5	days since symptom onset or positive swab			
2. Afe	brile for >48hrs without the	he use of antipyretics			
3. Abs	sence of immunosuppres	sion*			
leu def che	* Severe immunosuppression : Acute or chronic leukaemia/lymphoma/myeloma/immunosuppression due to HIV/AIDS. Cellular immune deficiencies; allogenic/autologous stem cell transplant < 24 months; chemotherapy/radiotherapy < 6 months; monoclonal biologics <12 months; significant immunosuppressed therapy <3 months				
4. Clir	Clinical improvement				
5. Abs	sence of hypoxia (i.e., Sp	O2 has returned to patients own baseline)			
Note: post v enhanced p	•	r several weeks and is not a reason, on its own, to continue			
Patients rec	uiring AGP procedures n	nust be nursed in side rooms or designated bay			
for 90 days	from first positive resu	e patients who meet this criteria do not need rescreening Ilt. Should a patient who meets this criteria inadvertently e disregarded unless any of the above criteria applies			
NUMBER	IUMBER ACTION				
		D-19 positive patients to stepdown as a resolved case at ust be completed by medical/nursing staff.			
2	If patient can be classed as resolved, patient may move to a COVID or non-COVID area				
3 Teletracking must be updated to resolved to ensure Cap of progress and also prior to transferring to West Park of Hospital					
4 If patient is still sympt basis		omatic, then clinician to review the patient on a daily			

Appendix 7:

SARS-CoV-2 Step down criteria

5	Do not rescreen patients unless new symptoms develop within 90 days of first positive result

Appendix 8:

Influenza Step down criteria

The Royal Wolverhampton

OFFIC					
	ERS TO UNDERTAKE	Capacity managers, medical and senior nursing staff			
PROM	PROMPT: Patients previously positive meeting stepdown criteria outlined below				
	Patient must meet <u>ALL</u> of th	ne following criteria			
1.	Midnight at the end of Day 5 may doses of Tamiflu have	5 since symptom onset or positive swab regardless of how been administered			
2.	Afebrile for >48hrs without t	he use of antipyretics			
3.	Absence of immunosuppres	sion*			
	*Severe immunosuppression: Acute or chronic leukaemia/lymphoma/myeloma/immunosuppression due to HIV/AIDS. Cellular immune deficiencies; allogenic/autologous stem cell transplant < 24 months; chemotherapy/radiotherapy < 6 months; monoclonal biologics <12 months; significant immunosuppressed therapy <3 months				
4.	Clinical improvement				
5.	Absence of hypoxia (i.e., Sp	O2 has returned to patients own baseline)			
	Note : post viral cough can persist for several weeks and is not a reason, on its own, to continue enhanced precautions.				
Patients	s requiring AGP procedures r	nust be nursed in side rooms or designated bay			
NUMB	NUMBER ACTION				
1 Assessment of Influenza positive patients to stepdown as a resolved ca midnight on Day 5 must be completed by medical/nursing staff.					
2 If patient can be class or a green ward		sed as resolved, patient may move to a Flu cohort area			
3 Teletracking must be updated to resolved to ensure Capacity of progress and also prior to transferring to West Park or Can Hospital		prior to transferring to West Park or Cannock Chase			
4 If patient is still symptomatic, then clinician to review the patient on basis		omatic, then clinician to review the patient on a daily			
		ents unless new symptoms develop within 90 days of first			

Which clean do you require on discharge?

RED CLEAN

ProXcide® HPV System (Suitable for use in VACANT rooms only)

Required following discharge of patients infected

- with: Clostridioides difficile
- Norovirus
- Multi-resistant Acinetobacter
- Vancomycin resistant enterococci (VRE) (CHU only)
- CPE
- Any area following sewage leaks/spills

Any other infection/areas requested by Infection **Prevention**

Pre Cleaning Process

- Strip bed and remove all linen and towels into a red soluble bag
- Check patient locker is empty and dispose of any remaining items including patient consumables and any medication
- Clean mattress and check for strike-through
- Ensure air mattresses are inflated
- Clean air mattress
- Remove all crockery, jugs and glasses
- Clean the patient suction unit

• Fully extend and wipe curtains

Clean all high and low surfaces

entertainment system Clean all sockets and switches

Wall wash to hand height

Clean all areas of the en-suite

Wipe Blinds

- Clean white board
- Clean clinical equipment and leave in the room
- Dispose of sharps box
- Call details at bottom of poster to request a Red Clean

Pre Process: Detergent and chlorine solution & HPV

• Empty hand towel dispensers and remove exposed toilet

roll - Fully enclosed toilet roll may remain in the room

- Clean patient locker (inside and out), bed table, chair,

• Remove all waste and tag, clean waste receptacle

Clean the patient bed frame and mattress (air

mattresses are nursing responsibility as above)

AMBER CLEAN

Chlorine-based agent

Required following discharge of patients infected

- ESBL producing organisms

Any other infection/areas requested by Infection

NURSING RESPONSIBILITIES

Pre Cleaning Process

- soluble bag

Pre Cleaning Process

known infections

• Strip bed and remove all linen and towels into white laundry bag

GREEN

CLEAN

Detergent solution/wipe

Required following discharge of patients with no

- Dispose of any remaining patient consumables
- Check patient locker is empty and dispose of any remaining items including patient consumables and any

- Dispose of sharps box
- Clean patient locker, bed table, entertainment system

Between hours of 8:00pm and 11:00am Monday - Friday and 7:00pm - 2:00pm Saturday - Sunday nurses to:

- Call contact details at bottom of poster to request a Green Clean

Post Process

Pre Process: Detergent

Monday - Friday between hours of 11:00am - 8:00pm **Domestics to:**

Saturday - Sunday between hours of 2:00pm - 7:00pm bed team to:

- Clean clinical equipment
- Clean patient locker, bed table, entertainment system
- Remove all waste and tag, clean waste receptacle
- Clean all areas of the en-suite, wipe over sanitary ware
- Mop floor
- **Post Process**
- Re stock consumables
- Put room back to normal

 Mop floor • Ensure locker cupboard and drawer is open

- DOMESTIC CLEANING RESPONSIBILITIES
 - **Pre Process: Detergent and chlorine solution**

Post Process

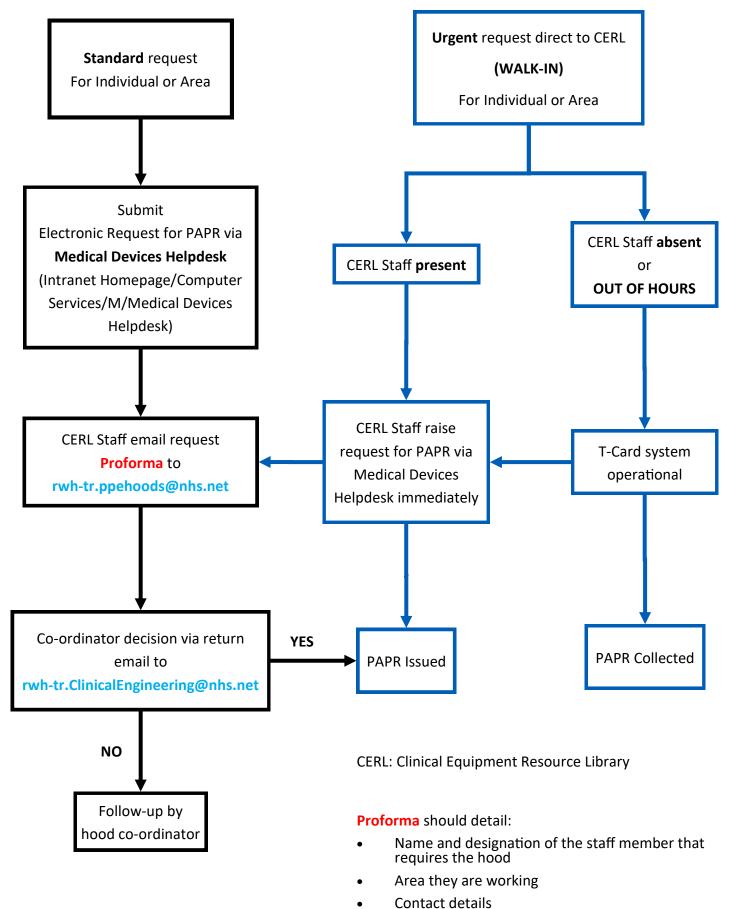
Turn all mattresses on their side Commence HPV Decontamination				
Post Process Re stock consumables Put room back to normal 				
CLEANING TIME SCALES (ON WARD)				
3-4 hours	1 hour	30 minutes		
IMPORTANT: ANY DE-ESCALATION OF A CLEAN MUST BE AUTHORISED BY THE INFECTION PREVENTION TEAM OR ON-CALL MICROBIOLOGIST				

TO REQUEST A RED OR AMBER CLEAN, PLEASE CONTACT:

DOMESTIC SERVICES ON EXT. 5029 ON-CALL SUPERVISORS (MON - FRI BETWEEN 9PM - 7AM AND AT WEEKENDS) ON BLEEP 7762



FLOWCHART: REQUISITION FOR POWERED AIR-PURIFIED RESPIRATOR (PAPR)



AA v1 10/2020