



PERSONAL PROTECTIVE EQUIPMENT (PPE) POLICY

			POLICY
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	X		
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1.0 INTRODUCTION

Sherwood Forest Hospitals NHS Foundation Trust (Trust) recognises that it has a duty of care to protect patients, staff, contractors and visitors from infection and support the need for effective systematic arrangements, therefore the Trust is committed to reducing the incidence of healthcare associated infections and more importantly, maintaining that reduction as a core element of the Trust patients safety strategy.

The Trust will provide personal protective equipment (PPE) when the risk presented by a work activity cannot be adequately controlled by other means. All reasonable steps will be taken by the Trust to secure the health and safety of employees who use PPE. The use of PPE is an important means of controlling risk involved in various work activities; to ensure that it is effective it is necessary to follow the manufacturers and employers instructions on its correct use. Protective clothing, such as gloves, aprons, face protection and footwear is used in addition to normal clothing / uniform to protect both the patient and healthcare worker from the potential risk of cross-infection.

2.0 POLICY STATEMENT

The purpose of this policy is to provide all staff within the Trust with robust information on the use of PPE. It is for all clinical and non-clinical staff (including visiting staff to the Trust) and all clinical areas and patient groups. There are no exclusions to this policy.

3.0 DEFINITIONS/ ABBREVIATIONS

Trust	Sherwood Forest Hospitals NHS Foundation Trust		
Staff	All employers of the Trust including those managed by a third party		
	on behalf of the Trust		
IPCT	Infection Prevention and Control Team		
DIPC	Director of Infection Prevention and Control		
IPCC	Infection Prevention and Control Committee		
PPE	Personal protective equipment		
SARS	Severe acute respiratory syndrome		
MERS	Middle East Respiratory Syndrome		
ANTT	Aseptic Non Touch Technique		

4.0 ROLES AND RESPONSIBILITIES

4.1 Trust Board

The Trust Board has overall responsibility for ensuring there are effective strategic, corporate and operational arrangements in place to maintain an effective infection prevention and control programme and that appropriate financial resources are in place to support that programme. To support this responsibility the Trust Board receives monthly information on *Meticillin Resistant Staphylococcus aureus* (MRSA), *Clostridium difficile* infection, provided by the Director of Infection Prevention and Control (DIPC) and the Infection Prevention and Control Team (IPCT).



4.2 Chief Executive

The Chief Executive is ultimately responsible for ensuring that there are effective arrangements for infection prevention and control.

4.3 Director of Infection Prevention and Control

The Director of Infection Prevention and Control (DIPC) has Trust wide responsibility for the development of strategies and policies for the management of infection prevention and control.

4.4 Infection Prevention and Control Team

The Infection Prevention and Control Team (IPCT) will inform and support all staff in relation to the identification and management requirements of patients with suspected/known infection.

4.5 Chief Operating Officer

Chief Operating Officer will ensure that the divisions have well developed clinical governance forums which monitor the application of this policy.

4.6 Service Line Managers

Service Line Managers will ensure that the necessary management arrangements and structures are in place to support all employees to fulfil their obligations in their role of infection prevention and control practices.

4.7 Heads of Nursing/Matrons

Heads of Nursing/Matrons are responsible for ensuring that all staff accountable to them are aware of this policy and adhere to its statement. They will actively promote and support all current infection prevention and control measures.

4.8 Ward/Department Sister/Charge Nurse

The Ward/Departmental Sister/Charge Nurse will act as excellent role models and are responsible and accountable for infection prevention and control within their sphere of responsibility. They will ensure that all staff are aware of all relevant infection prevention and control measures and ensure that there is a selection of PPE, which conforms to European Community Standards (CE) for safety and performance, and are acceptable to staff. They are also responsible for:

- Ensuring dissemination of this policy
- Ensuring compliance with this policy and ensuring patient safety is maintained
- Facilitating the delivery of education provided by the IPCT
- Ensuring staff in their area have the knowledge and skills to work safely
- Taking action when staff fail to follow the principles of this policy

4.9 Infection Prevention and Control Link Representatives

Infection Prevention and Control Link Representatives will disseminate all relevant infection prevention and control information to staff within their own work environment.



4.10 Occupational Health

The Trust Occupational Health Department is responsible for alerting the IPCT of any conditions amongst Trust employees that could be related to the use of PPE.

4.11 Clinical Team

Clinical teams are responsible for ensuring that all staff accountable to them are aware of this policy and adhere to its statement. They will actively promote and support all current infection prevention and control measures.

4.12 All Staff

The onus for ensuring health and safety in the workplace is not placed entirely on the employer; the employee also has a duty to protect the health and safety, not only of themselves but also their fellow employees, patients and visitors.

5.0 APPROVAL

Following appropriate consultation, this policy has been approved by the Infection Prevention and Control Committee.

6.0 DOCUMENT REQUIREMENTS (NARRATIVE)

6.1 Risk assessment

The need for PPE and the selection of appropriate materials must be subject to careful assessment of the task/activity to be conducted and its related risk to the patient and member(s) of staff (See Appendix A). The risk assessment must take into account various factors including the:

- Nature of the task to be undertaken (what is the risk?)
- Risk of contamination to either the patient or staff (who is at risk?)
- Level of PPE is required
- Barrier efficacy of gloves, both surgical and examination gloves can fail
- Selection of sterile or non-sterile gloves
- Patient or staff sensitivity history

PPE used while attending a patient under isolation precautions must be removed and disposed of as infectious waste immediately prior to leaving the side room; for further guidance refer to IPC 31 – Isolation policy.

Note that visitors do not routinely need to wear PPE unless they are getting closely involved in caring for a patient. Hand hygiene for visitors should be emphasised.

6.2 Protective clothing

Protective clothing must:

- Be readily available close to point of care and easily accessible
- Be appropriate for the task / procedure being undertaken
- Take account of the worker's needs



- Fit appropriately
- Be compatible with any other item of protective equipment being worn simultaneously
- Be disposable/single use where possible. If not disposable it must be cleaned and / or disinfected, maintained and replaced as necessary
- Be changed immediately after each procedure or activity to prevent the transmission of infection to other patients, and between different tasks on the same patient to prevent transfer of infective organisms to susceptible sites.
- Not be worn in public areas, unless specifically required, for example when transporting a patient as directed by Infection Prevention and Control

6.3 Glove usage

Gloves are an essential requisite of PPE and have two primary functions:

- I. protecting the operator
- II. protecting the patient

Glove usage must be decided following a risk assessment of the planned task i.e. consideration of who is at risk (patient or staff); whether sterile or non-sterile gloves are required; the potential for exposure to blood and body fluids, secretions and excretions; the potential for contact with non-intact skin or mucous membranes during general care and invasive procedures.

Gloves must be worn for invasive procedures, contact with sterile sites and broken skin or mucous membranes and all activities that have been assessed as carrying a risk of exposure to blood, body fluids, secretions or excretions, or sharp or contaminated instruments.

Gloves must be changed between procedures and between patients, and hands must be washed or decontaminated with an alcohol based hand rub when gloves have been removed.

It is important for all healthcare staff to be made aware that sensitivities can also occur with gloves as there are many elements to the manufacturing process, e.g. chemical accelerators in nitrile gloves. Any sensitivity (e.g. redness, itching) should be reported to the Occupational Health Department. Any sensitivity noted on patients should be referred to medical team for review.

6.4 Disposable plastic aprons

The purpose of wearing a disposable plastic apron is to protect either the patient who may be susceptible to infection, or the wearer from contamination as well as maintaining the uniform/clothes worn under the apron in a clean and dry state. They must be worn when there is a risk that clothing may be exposed to blood, body fluids, secretions or excretions, (with the exception of sweat).

In addition aprons must be worn:

- when coming into contact with used bed linen i.e. remaking beds, items contaminated with body fluids, and cleaning of nursing equipment
- when undertaking activities using ANTT (Aseptic Non Touch Technique) principles

Aprons must be removed promptly after use, the outer contaminated side of the apron turned inward, rolled into a ball and then disposed of in accordance with the Trust waste policy, and hand hygiene performed immediately after removal and disposal of the PPE.



6.5 Fluid repellent gowns

Full body fluid repellent disposable gowns must be worn where there is a risk of extensive splashing of blood, body fluids, secretions or excretions with the exception of sweat onto the skin or clothing of staff, such as in high exuding/bleeding wounds, novel or emerging respiratory infections e.g. Severe Acute Respiratory Syndrome (SARS), Middle East Respiratory Syndrome (MERS), and for aerosol generating procedures for patients with acute respiratory infections e.g. influenza.

6.6 Facial protection

Protective eyewear and facial protection (goggles and visors) is to be used to control and minimise risk if the planned procedure is likely to cause splashing of blood, body fluids, secretions or excretions, or drugs (especially cytotoxic), fine particles from procedures that may cause aerosols, hazardous fluids or contaminated debris splashing into the eyes, mouth or face.

There are a variety of masks available and staff must ensure that they select the most appropriate mask for the level of protection required. **Masks must be worn in line with the Trusts latest Covid escalation plan.**

Manufacturer's instructions should be adhered to while donning face protection to ensure the most appropriate fit / protection. Specialist respirator masks such as FFP3 respirators used for open pulmonary TB cases or aerosolising procedures on influenza patients must always be 'fit checked' when donned.

In accordance with the Health and Safety executive all staff should undergo a fit test with the Trust approved FFP3 respirators to ensure a good fit can be maintained.

The table below details the types of masks available and examples of indications for their use.

Type of mask	Protection provided	Indication for use
Surgical face mask	Basic protection	General patient care and care of isolated
		immune-suppressed patients
Surgical face mask with	Direct fluid repellence	During procedures outside of the
fluid shield	(from splashes and	operating theatre where fluid exposure is
	respiratory droplets)	anticipated
Surgical mask with fluid	Fluid repellence as above	Dirty room in central sterile services;
shield and integral visor	plus	caring for persistently coughing patient
	eye protection	with influenza
FFP3	High level of protection for	Respiratory isolation airborne infections
	aerosol transmission	e.g. for patients with TB, measles.
		Isolation of patients with novel
		respiratory infections i.e. MERS, SARS

Respirators vs surgical masks

Respirators are designed to reduce the wearers exposure to airborne particles (prevent particles going from outside to in).



6.7 Footwear

When providing support/care, closed toed shoes must be worn to avoid contamination with blood and/or body fluids or potential injury from sharps. When designated footwear is assigned, i.e. theatre, local policies must be available for their use and care, including a clear cleaning schedule with responsibilities assigned. Although the evidence is limited, the use of overshoes is not recommended by the Hospital Infection Society; they have not been shown to reduce floor colony counts and can lead to unnecessary hand contamination while putting on or removing. Footwear worn must comply with the Trust Dress Code and Uniform Policy. Footwear for use in a dedicated area, e.g. theatres, must be removed when leaving that area.

6.8 Headwear

Headwear must be worn in theatre settings, clean rooms etc. They must be well fitting and completely cover the hair and they must be changed and disposed of between sessions or if they become contaminated with blood and/or body fluids. They must not be worn outside of the theatre complex.

6.9 Storage

- Supplies of personal protective equipment should be stored in a clean, dry place, free from contamination e.g. not in a dirty area such as a sluice.
- Gloves and masks must not be decanted from the original box to ensure the expiry date is known and their integrity maintained.

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7.0 MONITORING COMPLIANCE AND EFFECTIVENESS

Minimum	Responsible	Process	Frequency	Responsible
Requirement	Individual	for Monitoring	of	Individual or
to be Monitored		e.g. Audit	Monitoring	Committee/
				Group for Review of
				Results
(WHAT – element of compliance or effectiveness within the document will be monitored)	(WHO – is going to monitor this element)	(HOW – will this element be monitored (method used))	(WHEN – will this element be monitored (frequency/ how often))	(WHERE – Which individual/ committee or group will this be reported to, in what format (eg verbal, formal report etc) and by who)
Use of personal	IPCT	Audit	Quarterly	IPCC
protective equipment				



8.0 TRAINING AND IMPLEMENTATION

Clinical staff to receive face-to-face induction training on all aspects of infection prevention and control precautions to prevent the spread of all known or undisclosed transmissible infection, every year thereafter as part of the Trust mandatory training program. Training will be provided by the Infection Prevention and Control Team. An attendance register of any training completed will be sent to the OLM Administration Officer: Training, Education and Development Department, King's Mill Hospital.

9.0 IMPACT ASSESSMENTS

- This document has been subject to an Equality Impact Assessment, see completed form at Appendix B.
- This document has been subject to an Environmental Impact Assessment, see completed for at Appendix C.

10.0 EVIDENCE BASE (Relevant Legislation/ National Guidance) AND RELATED SFHFT DOCUMENTS

Evidence Base:

- NHS England. 2022. National Infection Prevention and Control Manual for England. <u>C1636-national-ipc-manual-for-england-v2.pdf</u>
- Public health England. 2016. Infection control precautions to minimise transmission of acute respiratory tract infections in healthcare settings. https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/585584/RTI_infection_control_guidance.pdf Accessed August 2019.
- NHS England & NHS Improvement. 2019. Standard infection control precautions: national hand hygiene and personal protective equipment policy. https://improvement.nhs.uk/documents/4957/National policy on hand hygiene and PPE_2.pdf Accessed August 2019.
- Loveday. H., Wilson. J., Pratt. R., Golsorkhi. M., Tingle. A., Bak. A., Browne. J., Prieto. J., Wilcox. M. 2014. Epic 3: National evidence based guidelines for prevention healthcare associated infections in NHS hospitals in England. Journal of Hospital Infection. Supplement 1, January 2014, p S1-S70 (access via http://www.hpa.org.uk/Topics/InfectiousDiseases/InfectionsAZ/HCAI/GuidelinesForPr ofessionalsHCAI/)
- Coia. J., Ritchie. L., Adisesh. A., Makinson Booth. C., Bradley. C., Bunyan. D., Carson. G., Fry. C., Hoffman. P., Jenkins. D., Phin. N., Taylor. B., Nguyen-Van-Tam. J., Zuckerman. M., (The Healthcare Infection Society Working Group on Respiratory and Facial Protection). 2013. Guidance on the use of respiratory and facial protection equipment. Journal of Hospital Infection. 85 p. 170-182
- Department of Health. 2012. Health and Social Care Act 2008: Code of practice for health and adult social care on the prevention and control of infections and related guidance
- Control of substance hazardous to health regulations (COSHH). 2002
- Department of Health. 2013. Health Technical Memorandum 0701: safe management of healthcare waste. Stationary Office. London



- National Institute for Health and Care Excellence (NICE). 2012. (Updated 2017)
 Infection: prevention and control of healthcare associated infections in primary and community care (CG 139). http://guidance.nice.org.uk/CG139 Accessed June 2017
- NICE 2011. Prevention and control of healthcare associated infections: quality improvement guide (PH36). http://publications.nice.org.uk/prevention-and-control-of-healthcare-associated-infections-ph36 Accessed June 2017

Related SFHFT Documents:

Please see IPC Manual

11.0 KEYWORDS

Apron, Gown, Mask, Gloves, FFP3 mask, Goggles, use of PPE

12.0 APPENDICES

- Appendix A Appropriate Personal Protective Equipment (PPE)
- Appendix B Equality Impact Assessment
- Appendix C Environmental Impact Assessment

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Appendix A – Appropriate Personal Protective Equipment (PPE)

Select appropriate PPE from the list below, which has been based on a risk assessment of the risk of transmission of microorganisms and the risk of contamination for the activity being undertaken. This list is by no means exhaustive, instead it offers examples of common support/care activities where blood and/or body fluid exposure may occur and what level of protection is to be worn. A standard risk assessment must be undertaken to consider the risk of blood and/or body fluid or chemical exposure prior to activities.

Activity	Apron / Gown	Gloves
Contact with intact skin. No	N/A	N/A
visible blood/body fluids,		
rashes		
Sterile procedure	Yes	Yes
Contact with wounds, skin	Yes	Yes
lesions		
Cleaning up incontinence	Yes	Yes
Potential exposure to	Yes	Yes
blood/body fluids e.g.		
performing suction, cleaning		
up spillage		
Venepuncture, cannulation,	Yes	Yes
removal of cannula		
Vaginal examination	Yes	Yes
Applying topical lotions,	Yes	Yes
creams etc		
Touching patients with	Risk assessment	Yes
unknown skin rash		
Emptying/changing urinary	Yes	Yes
catheter bags, urinals,		
bedpans, vomit bowls		
Handling specimens	Yes	Yes
Handling used instruments	Yes	Yes
Using disinfectants,	Yes	Yes
cleaning agents		
General cleaning of clinical	Yes	Yes
areas		
Bed re-making	Yes	Yes
Oral care	Yes	Yes
Supporting patients with	Yes	N/A
their nutritional needs		
Handling waste	Yes	Yes

- Masks must be worn in accordance with latest Covid-19 escalation plan
- The order for removal of PPE is gloves, apron/gown, eye protection, mask
- Hand hygiene must always be performed on removal of PPE
- Supplies must be appropriately located, close to the point of use
- The use of gloves does not negate the need for hand decontamination
- Change PPE between task/activities

Dispose of all PPE safely and immediately following use into appropriate receptacle.



APPENDIX B - EQUALITY IMPACT ASSESSMENT FORM (EQIA)

	icy/procedure being reviewed: Personal P /ice/policy/procedure: Existing	. , , ,	
Date of Assessment			
	cy/procedure and its implementation answo	er the questions a – c below against each	characteristic (if relevant consider
Protected Characteristic	a) Using data and supporting information, what issues, needs or barriers could the protected characteristic groups' experience? For example, are there any known health inequality or access issues to consider?	b) What is already in place in the policy or its implementation to address any inequalities or barriers to access including under representation at clinics, screening?	c) Please state any barriers that still need to be addressed and any proposed actions to eliminate inequality
The area of policy o	r its implementation being assessed:		
Race and Ethnicity	None	None	None
Gender	None	None	None
Age	None	None	None
Religion	None	None	None
Disability	None	None	None
Sexuality	None	None	None
Pregnancy and Maternity	None	None	None
Gender Reassignment	None	None	None
Marriage and Civil Partnership	None	None	None

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		NHS FOU	ndation Trust
Socio-Economic Factors (i.e. living in a poorer neighbourhood / social deprivation)	None	None	None
What consultation w	vith protected characteristic groups i	including patient groups b	ave you carried out?
	embers of IPCC	o.uug pulloin g.oupo	
What data or information with the world with the wo	ation did you use in support of this E lance	EqIA?	
	vare are there any Human Rights issus, complaints or compliments?	ues be taken into account s	such as arising from surveys, questionnaires,
Level of impact			
From the information perceived level of imp		idance document Guidance	on how to complete an EIA (<u>click here</u>), please indicate the
Low Level of Im	pact		
For high or medium le	evels of impact, please forward a copy of	f this form to the HR Secretar	ies for inclusion at the next Diversity and Inclusivity meeting.
Name of Responsibl	le Person undertaking this assessme	ent: Sally Palmer	
Signature: S Palmer			
Date:			
Dale.			

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<u>APPENDIX C - ENVIRONMENTAL IMPACT ASSESSMENT</u>

The purpose of an environmental impact assessment is to identify the environmental impact, assess the significance of the consequences and, if required, reduce and mitigate the effect by either, a) amend the policy b) implement mitigating actions.

Area of impact	Environmental Risk/Impacts to consider	Yes/No	Action Taken (where necessary)
Waste and materials	 Is the policy encouraging using more materials/supplies? Is the policy likely to increase the waste produced? Does the policy fail to utilise opportunities for introduction/replacement of materials that can be recycled? 	No	No additional impact
Soil/Land	 Is the policy likely to promote the use of substances dangerous to the land if released? (e.g. lubricants, liquid chemicals) Does the policy fail to consider the need to provide adequate containment for these substances? (For example bunded containers, etc.) 	No	
Water	 Is the policy likely to result in an increase of water usage? (estimate quantities) Is the policy likely to result in water being polluted? (e.g. dangerous chemicals being introduced in the water) Does the policy fail to include a mitigating procedure? (e.g. modify procedure to prevent water from being polluted; polluted water containment for adequate disposal) 	No	
Air	 Is the policy likely to result in the introduction of procedures and equipment with resulting emissions to air? (For example use of a furnaces; combustion of fuels, emission or particles to the atmosphere, etc.) Does the policy fail to include a procedure to mitigate the effects? Does the policy fail to require compliance with the limits of emission imposed by the relevant regulations? 	No	
Energy	Does the policy result in an increase in energy consumption levels in the Trust? (estimate quantities)	No	
Nuisances	 Would the policy result in the creation of nuisances such as noise or odour (for staff, patients, visitors, neighbours and other relevant stakeholders)? 	No	

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