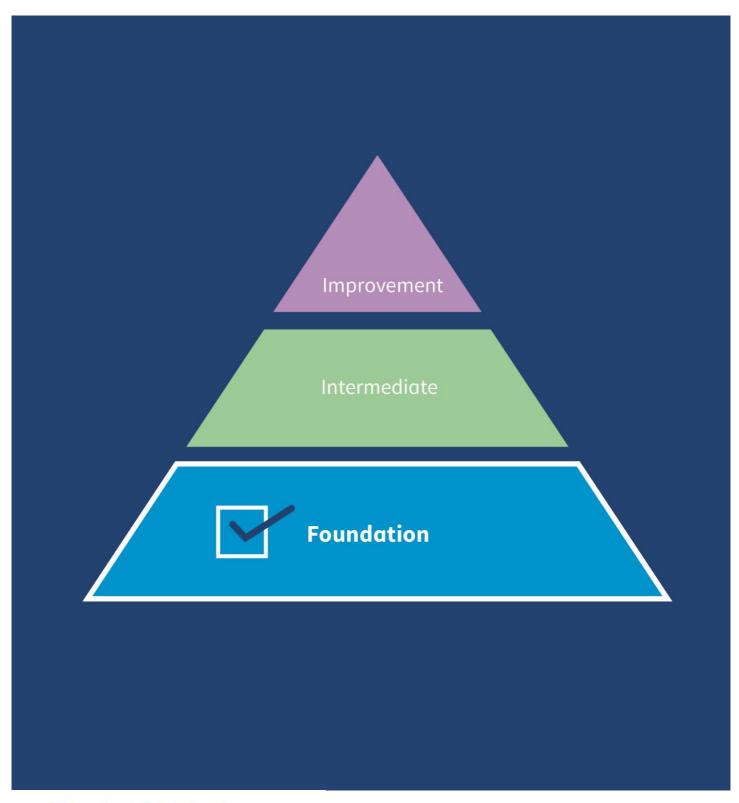


Safe Management of Care Equipment

Scottish Infection Prevention and Control Education Pathway





Safe Management of Care Equipment

Printable learning resource

What is this resource?

This resource is based on the e-learning module "NES: Safe Management of Care Equipment" from the Scottish Infection Prevention and Control Education Pathway.

The aim of this document is to make the e-learning content available to learners who

- do not have regular access to a computer and/or a network
- do not yet have the necessary IT skills or confidence to complete e-learning
- have different needs and therefore e-learning is not suitable for them.

All screen captures from the original module are included.

How should this resource be used?

This resource can either be

- uploaded as a PDF file to tablets or other digital devices without internet access, or
- printed. (Printing in black and white is sufficient.)
- All navigational instructions on the screens in this document should be ignored.
- We have given instructions on how to complete interactivities and questions.
- A space has been provided for staff to make any additional notes after each topic.

Internet access

Internet access is required for the following:

Online feedback form and web links for additional resources. Staff should be enabled to use web links and complete the feedback form if at all possible.

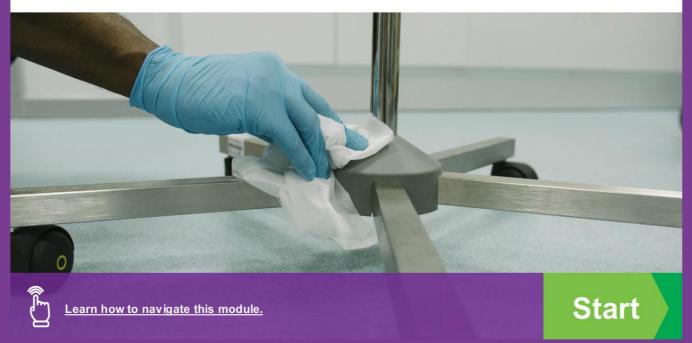
Online assessment. The online version of this resource consists of the e-learning module and a separate online assessment, and staff should be enabled and encouraged to complete this online assessment locally.



Safe management of care equipment

Scottish Infection
Prevention and Control
Education Pathway

The best care you can give is clean care!



Safe management of care equipment

Aim and target audience

The aim of this module is to enable you to make sure that all care equipment is clean, fit for purpose and in a good state of repair at the point of care.

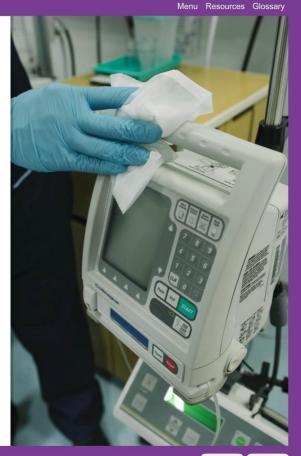
This module is ideal for all staff new to health and social care who have a responsibility for cleaning care equipment.

It's also suitable for **more experienced staff in any setting** who want to refresh their knowledge or update skills.

Safe Management of Care Equipment is one of the 10 standard infection control precautions (SICPs).



It's important that you complete the Personal Protective Equipment (PPE), Hand Hygiene and Safe Management of Blood and Body Fluid Spillages modules before starting this module.



< PREV

NEXT >

Learning outcomes

After completing this module, you'll be able to:

- · assess infection risks associated with care equipment
- · identify when equipment needs to be decontaminated
- · take actions to decontaminate equipment
- show evidence that equipment is decontaminated
- · escalate any concerns you have regarding equipment safety.



< PREV NEXT >

Safe management of care equipment

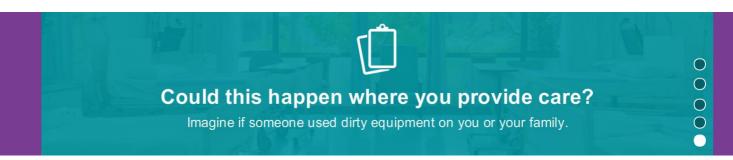
Menu Resources Glossary

Cleanliness of care equipment - our biggest challenge

We know from reports by health inspectors, members of the public and those receiving care, that **dirty equipment** is witnessed in care settings across Scotland, particularly in hospitals.







Sources:

HEI Annual Report link:

http://www.healthcareimprovementscotland.org/our_work/inspecting_and_regulating_care/hei_annual_report_2013-14.aspx

Patient opinion web site link: https://www.careopinion.org.uk/

Overview

There are 3 topics in this module:

- · Topic 1: Care equipment the challenges
- Topic 2: Decontaminating care equipment
- Topic 3: Monitoring and improvement

In this module, you'll learn from a series of activities and real life scenarios that will help you put your knowledge into practice where you work.

You can learn more by using the links provided in the Resources page.

Once you've visited all the screens in this module, you can access the separate assessment. You need to score 80% in the assessment to pass and get a certificate of completion.



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Topic 1: Care equipment - the challenges

In this topic, you'll discover what your colleagues say about the challenges of safely managing care equipment.

You'll learn why it's important to keep equipment fit for use.

You'll take a look at infection risks associated with some common equipment.

And you'll explore what you can do to help safely manage care equipment.



Remember, you can use the Menu to jump to any screen or to check where you are in this topic.

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Topic 1:

Care equipment – the challenges

Care Equipment – whose responsibility?



Care equipment is equipment used to provide direct care for a person.

Who do you think has the overall responsibility for making sure that **care equipment** is clean, fit for purpose and in a good state of repair in a care area?



Select an option, then select SUBMIT.

- operson in charge
- cleaning staff
- administrative staff
- clinical staff



< PREV

SUBMIT

Please try to answer the question above and then check the answer and the feedback on the following page.

Topic 1:

Care equipment - the challenges

Care Equipment – whose responsibility?



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Who do you think has the overall responsibility for making sure that **care equipment** is clean, fit for purpose and in a good state of repair in a care area?



Select an option, then select SUBMIT.

- person in charge
- cleaning staff
- administrative staff
- clinical staff



That's correct.

A named person, the person in charge of the area, has **overall** responsibility for all aspects of environmental cleanliness within their care area.

In general, cleaning staff are responsible for the environment, including fixtures and fittings. And clinical staff are responsible for care equipment that is used to provide direct care.

But it's all about teamwork.

Continue >

∢ PREV

SUBMIT



Menu Resources Glossary

> Topic 1:

Care equipment – the challenges

Why is care equipment sometimes dirty?

Staff delivering care say that equipment is sometimes dirty or soiled for a number of reasons.







What YOU can do about dirty care equipment

- Regularly **check your equipment** to see if it's dirty.
- Ask your colleagues how to clean equipment if you're not sure.
- Agree who's responsible for decontaminating what in your area.
- Follow the manufacturer's instructions for cleaning equipment.
- Take time to clean properly as this will prevent a build up of dirt and grime.
- Know what decontamination products are used in your area and where to get them.
- Ask your colleagues how you can do things better.

Safe management of care equipment

Menu Resources Glossary

> Topic 1:

Care equipment - the challenges

Why clean and safe care equipment matters

It's important that the public and those receiving care have confidence that care is being provided in a clean and safe environment.

Care equipment can easily be contaminated with blood, body fluids or micro-organisms which can spread during care delivery. If care equipment is seen to be dirty, people might assume that all standards of care in your area are poor and that they're at risk of infection.



Select each image to learn how clean and safe care equipment benefits everyone.



Person receiving care



Organisation



Staff



Person receiving care



Clean and safe equipment:

- · minimises their risk of preventable infection from equipment
- · helps them feel safe in the care environment
- builds their confidence in staff and the organisation.

Organisation



Clean and safe equipment:

- · contributes to a good service user reputation
- helps build customer satisfaction, with fewer complaints
- leads to improved internal and external inspection reports.

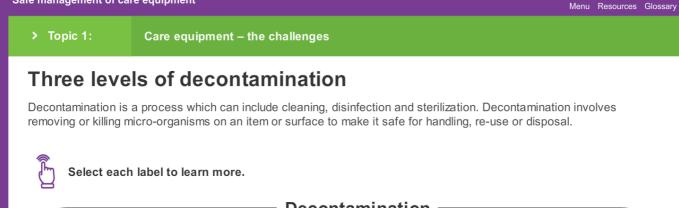
Staff



Clean and safe equipment:

- · earns praise from service users and the public
- · gains approval from the organisation and inspection bodies
- · contributes to effective and efficient processes
- · builds pride in work.

Safe management of care equipment





< PREV | NEXT >



Cleaning

The physical removal of dirt, blood, vomit, etc. by use of an appropriate cleaning agent such as a detergent.

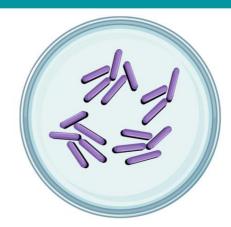
Cleaning is an essential part of decontamination and must be carried out effectively before undertaking disinfection or sterilization.





Disinfection

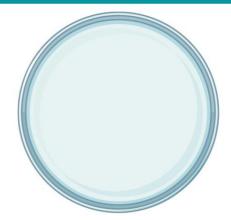
A process, for example using a chemical disinfectant, to reduce the number of micro-organisms from an object or surface to a safer level.





Sterilization

The process used to make an object free from microorganisms (usually by heat or chemical means).



Care equipment – the challenges

Categories of care equipment

You must understand how different types of care equipment are generally categorised and decontaminated so you don't put people in your care at risk of infection. Always follow the manufacturer's guidance on the correct use and decontamination methods.



Select each type of equipment to learn how it's used.

Single-use

Single-use equipment includes things like needles, syringes, dental files, reamers and dressings packs.

Single patient use

Single-use equipment is used once on a person.

NEVER reuse even if equipment appears in

Reusable invasive

Reusable noninvasive (communal)

good condition.

NEVER decontaminate.

DISCARD after a single use.



< PREV NEXT >

Single-use

Single patient use

Reusable invasive

Reusable noninvasive (communal) Single patient use equipment includes things like oxygen masks and nebulisers.

Single patient use equipment is reused on the same person only.

You need to decontaminate and store item according to the manufacturer's instructions between uses. It should never be re-used on a different person and should be disposed of when no longer in use.



Single-use

Single patient use

Reusable invasive

Reusable noninvasive (communal)

Reusable invasive equipment includes things like surgical instruments and endoscopes.

Reusable invasive equipment is USED ONCE then decontaminated.

Sterilization is preferred. However, disinfection may be required for items which are not compatible with heat processes.



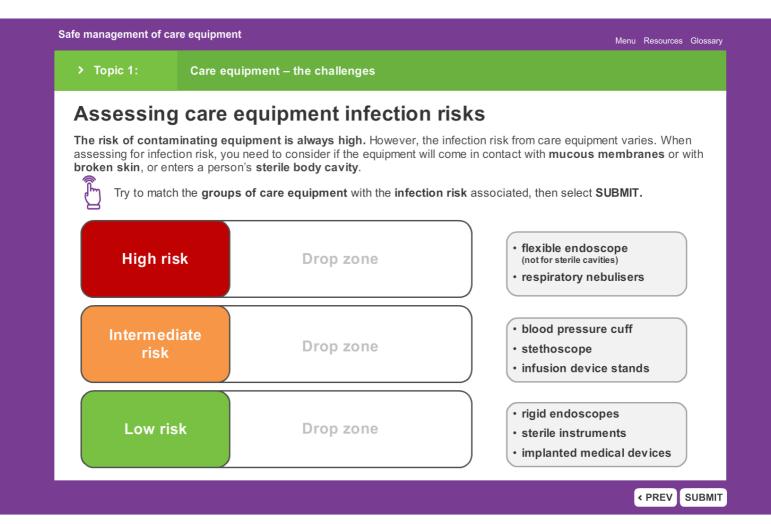


Reusable non-invasive (communal) equipment includes things like beds, commodes, dental chairs, trolleys, blood pressure monitoring cuffs, basins, stethoscopes, wheelchairs, and walking aids.

This equipment is reused on more than one person following decontamination between use.

It is regularly cleaned and/or disinfected.

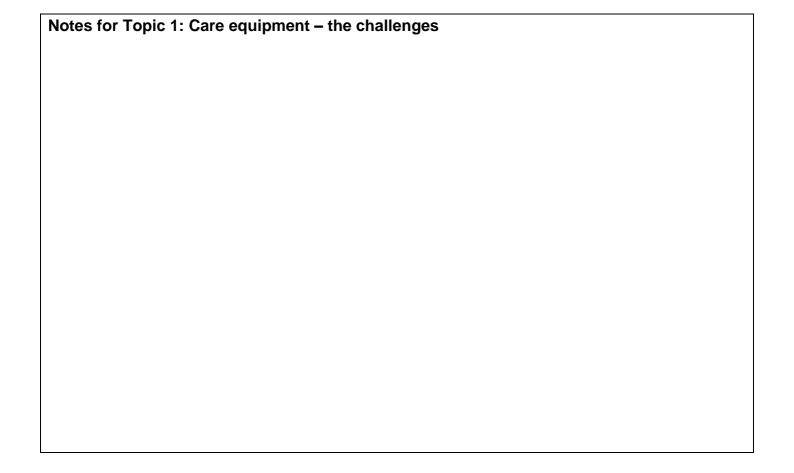




Please try to answer the question above and then check the answer and the feedback on the following page. You can match the items with numbers or letters.

SUBMIT

∢ PREV





Topic 2: Decontaminating care equipment

This topic focuses on reusable non-invasive care equipment and cleaning/disinfection. This equipment is shared between people in your care and there may be a risk of infection if you don't decontaminate it properly.

You'll learn about:

- · key areas to decontaminate
- · how to develop a decontamination schedule
- · the basics of decontamination
- tips to help you safely manage care equipment.



Remember, you can use the **Menu** to jump to any screen or to check where you are in this topic.

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NEXT >

Safe management of care equipment

Menu Resources Glossary

> Topic 2:

Decontaminating care equipment

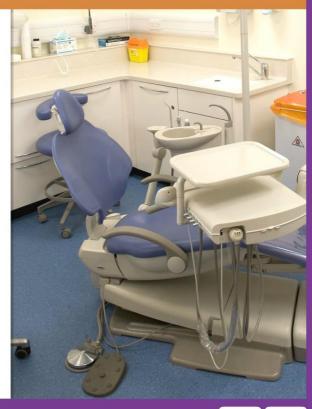
Key areas to decontaminate

Micro-organisms can be spread to others and equipment by staff, people in your care and visitors, mainly through hands. Care equipment is frequently touched by many hands when it's in use.

It's **your responsibility** to pay particular attention to frequently touched areas when you're cleaning.

These can include parts of the care environment.

For example, in the dental setting surfaces of reusable non-invasive (communal) equipment e.g. dental chairs, light sources, etc. and clinical contact surfaces e.g. worktops around the dental chair are commonly touched during care/treatment, so they need to be cleaned after each patient use/patient care episode.



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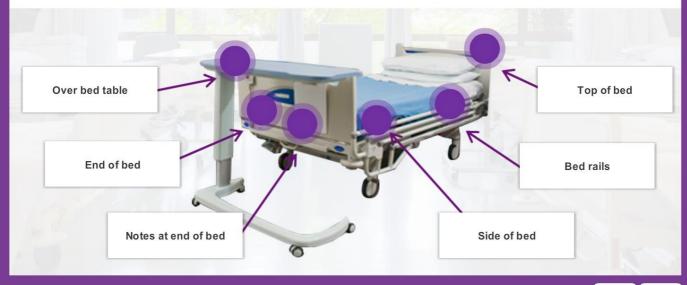
NEXT >

Topic 2

Decontaminating care equipment

Frequently touched areas to clean on a bed/trolley

Take a look at the bed or trolley diagram. Note the frequently touched areas which you must pay special attention to during cleaning.



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NEXT >

Safe management of care equipment

Menu Resources Glossary

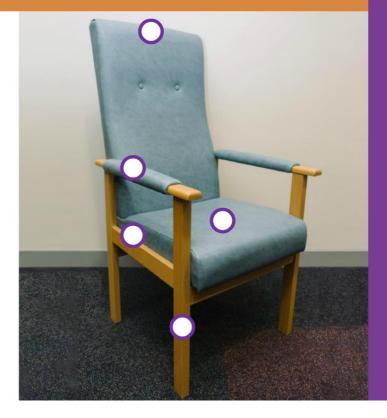
Topic 2:

Decontaminating care equipment

Frequently touched areas to clean on a chair



Select the frequently touched areas you think require regular cleaning on this chair, then select SUBMIT.



Please try to answer the question above and then check the answer and the feedback on the following page.



Correct

That's correct. A chair's sides, seat, arms and top of back are all frequently touched and require regular cleaning.

Sometimes staff concentrate on cleaning parts of equipment they can see and forget about underneath. Always check these areas as they may be splashed with blood or body fluids or have a build up of dirt.



Remember, **ALL** parts of the chair, including the legs and underneath, should be cleaned as part of normal routine cleaning.

Continue >



✓ PREV

SUBMIT

Safe management of care equipment

Menu Resources Glossary

Topic 2:

Decontaminating care equipment

When to decontaminate



Now let's consider **when** reusable non-invasive care equipment should be decontaminated.

Let's say a colleague in your area isn't sure when to decontaminate reusable non-invasive care equipment and comes to you for advice? What would you tell them? Think of equipment you work with.



Select the options that apply, then select SUBMIT.

- At regular predefined intervals as part of a cleaning schedule
- After blood and/or body fluid contamination
- Before inspection, servicing or repair
- Between each use



Please try to answer the question above and then check the answer and the feedback on the following page.

> Topic 2:

Decontaminating care equipment

When to decontaminate



Now let's consider **when** reusable non-invasive care equipment should be decontaminated.

Let's say a colleague in your area isn't sure when to decontaminate reusable non-invasive care equipment and comes to you for advice? What would you tell them? Think of equipment you work with.



Select **the options** that apply, then select **SUBMIT**.

- At regular predefined intervals as part of a cleaning schedule
- After blood and/or body fluid contamination
- Before inspection, servicing or repair
- ✓ Between each use



That's correct. Equipment MUST be cleaned between each use.

You MUST clean after blood and/or body fluid contamination. If you don't, the fluids may dry out making it harder to decontaminate later. This could put others at risk from micro-organisms.

You MUST decontaminate at regular, predefined intervals as part of a cleaning schedule. If you don't have cleaning schedules, staff will vary their decontamination frequencies and techniques.

Decontaminating equipment before inspection, servicing or repair protects those who may handle it from infection.

Continue >



SUBMIT

Safe management of care equipment

Menu Resources Glossary

> Topic 2:

Decontaminating care equipment

Why schedules are needed

Your care environment should have a **schedule** for decontaminating reusable (communal) **non-invasive care equipment** that covers **who** decontaminates **what**, **when** and **how**!

Schedules provide:

- a guide for staff on the correct decontamination methods and frequencies
- a way of reducing variances in decontamination practices and duplication of work to save staff time
- evidence of decontamination for the person in charge and inspectors/auditors.



This job aid contains a schedule template that you can use.

You might have to adjust your schedule if you have an outbreak of infection in your area or if your equipment is not always as clean as it could be. Ask your Infection Prevention and Control/Health Protection Team for advice.

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Safe management of care equipment

> Topic 2:

Decontaminating care equipment

How to decontaminate reusable non-invasive care equipment

You must follow the national guidance in Appendix 7 of the National Infection Prevention and Control Manual for assessing and decontaminating reusable non-invasive care equipment as it reduces the chance of human error.



Try this activity

Open Appendix 7 of the National IPC Manual and use it to help you decide how to decontaminate the equipment below. Then select each image to see if you were right. (SAS and SNBTS staff use products that differ from those in Appendix 7.)



Wheelchair contaminated with blood



Shower chair contaminated with vomit

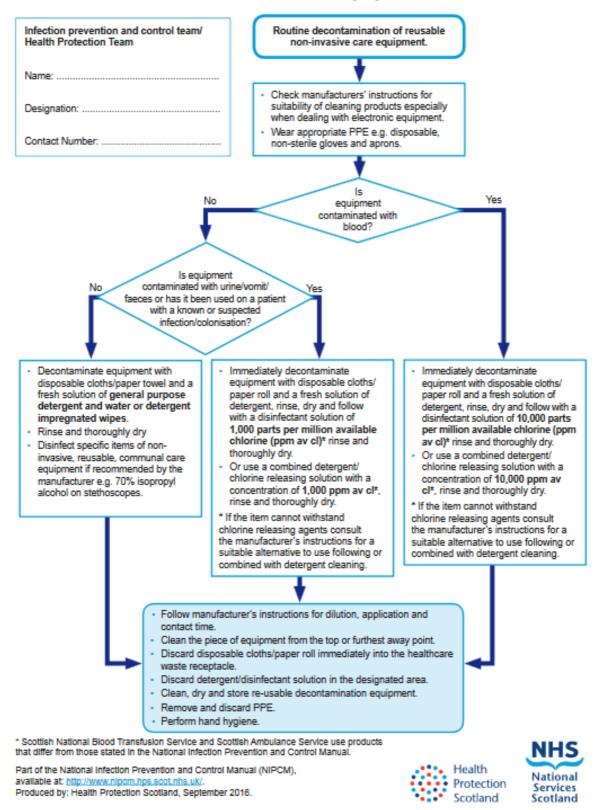


Monitoring equipment with no blood or body fluid contamination or visible dirt

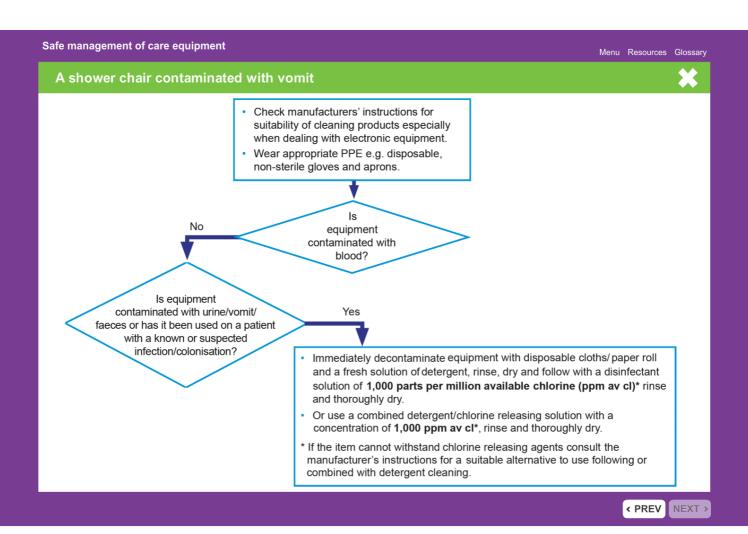
⟨ PREV | NEXT →

Please check Appendix 7 on the next page and try to find out how to decontaminate the items above. Then check the answers and the feedback on the following pages.

Appendix 7 - Decontamination of reusable non-invasive care equipment



See the relevant parts of Appendix 7 on the next pages.



An infusion stand with no blood or body fluid contamination or visible dirt



- Check manufacturers' instructions for suitability of cleaning products especially when dealing with electronic equipment.
- Wear appropriate PPE e.g. disposable, non-sterile gloves and aprons.

No equipment contaminated with blood?

Is equipment contaminated with urine/vomit/ faeces or has it been used on a patient with a known or suspected

infection/colonisation?

- Decontaminate equipment with disposable cloths/paper towel and a fresh solution of general purpose detergent and water or detergent impregnated wipes.
- Rinse and thoroughly dry.
- Disinfect specific items of non-invasive, reusable, communal care equipment if recommended by the manufacturer e.g. 70% isopropyl alcohol on stethoscopes.

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Safe management of care equipment

Menu Resources Glossary

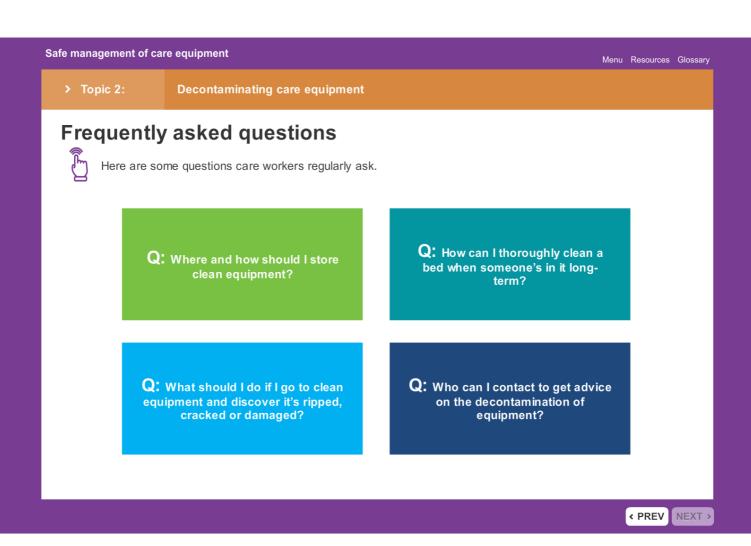
Topic 2:

Decontaminating care equipment

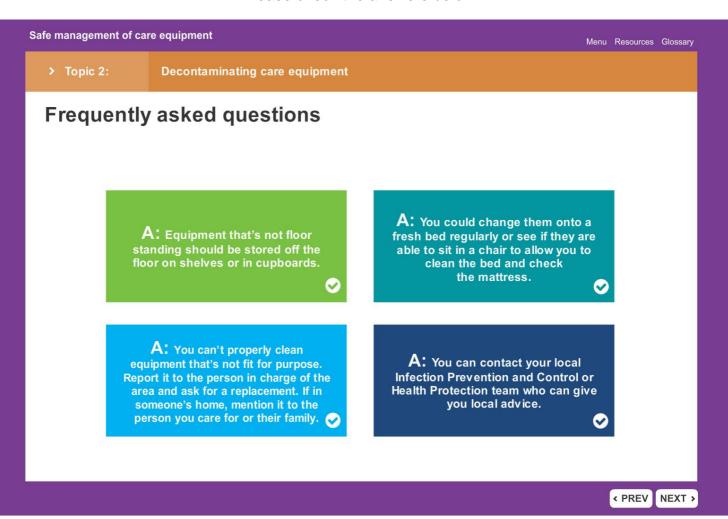
Good cleaning technique tips

You should always clean well, and document your cleaning. But remember that the **cleaning techniques** you use are key to clean equipment. Check out these tips from staff.

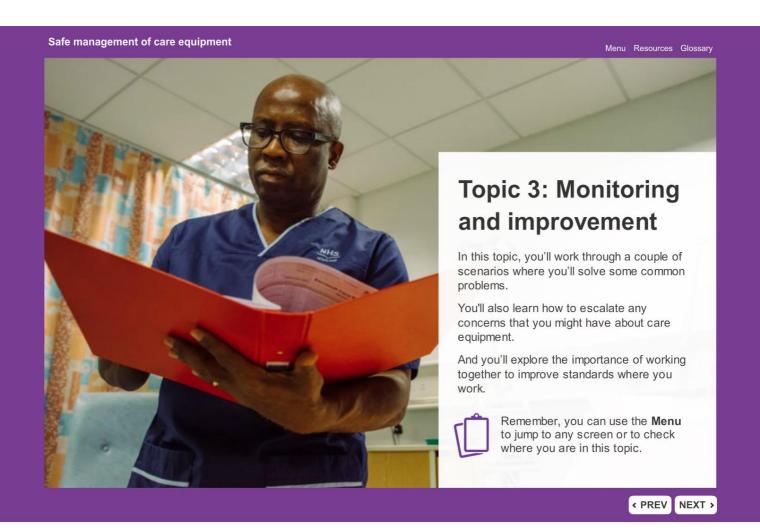




Please check the answers below.



Notes for Topic 2: Decontaminating care equipment



Monitoring and improvement

Monitor equipment all the time



Susan finds an item of non-invasive re-usable equipment which is still contaminated with blood after the previous use.

Consider if this happened in your area. It could be a commode with faeces, a dental chair with blood present, a trolley with dried vomit.

What should Susan do?



Select the options that apply, the select SUBMIT....

decontaminate the equipment before using it

complain to her colleagues at break time

use the equipment anyway and clean it after use

remind all staff to decontaminate equipment after use



< PREV SUBMIT</pre>

Please try to answer the question above and then check the answer and the feedback on the following page.

Monitoring and improvement

Monitor equipment all the time



Susan finds an item of non-invasive re-usable equipment which is still contaminated with blood after the previous use.

Consider if this happened in your area. It could be a commode with faeces, a dental chair with blood present, a trolley with dried vomit.

What should Susan do?



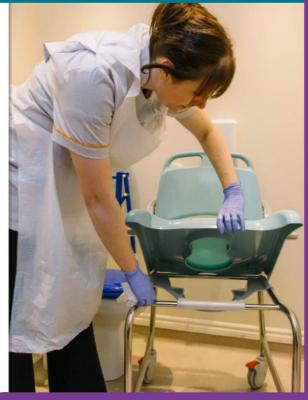
Select the options that apply, the select SUBMIT....

decontaminate the equipment before using it

complain to her colleagues at break time

use the equipment anyway and clean it after use

remind all staff to decontaminate equipment after use



⟨ PREV | SUBMIT

Menu Resources Glossary

Safe management of care equipment

> Topic 3:

Monitoring and improvement

Monitor equipment all the time



Susan finds an item of non-invasive re-usable equipment which is still contaminated with blood after the previous use.

Consider if this happened in your area. It could be a commode with faeces, a dental chair with blood present, a trolley with dried vomit.

What should Susan do?



Select the options that apply, the select SUBMIT....



decontaminate the equipment before using it



use the equipment anyway and clean it after use



remind all staff to decontaminate equipment after use



Correct

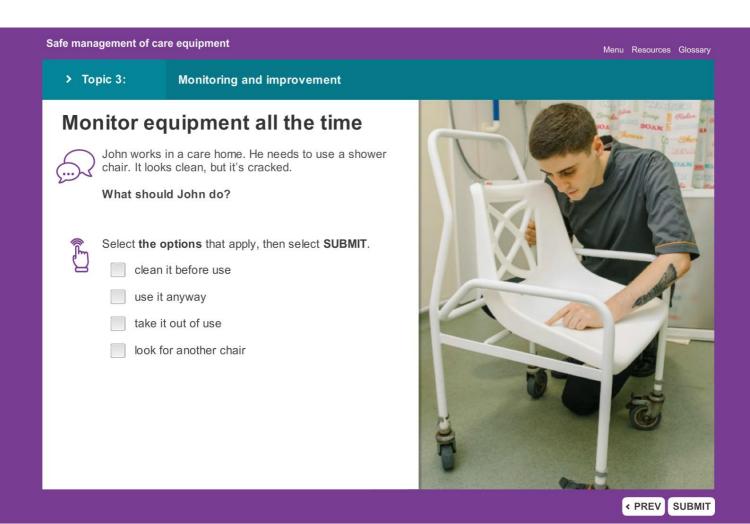
That's correct! Susan must decontaminate the equipment before using it. She should then remind all staff to decontaminate equipment after use.

By reminding all staff to decontaminate equipment, Susan can reinforce the importance of how microorganisms spread. While complaining to colleagues may offload her concerns, it's unlikely to spread the message to all staff.

You can see why monitoring the cleanliness of equipment is really important. In this case, Susan removed a risk of infection for the person she cares for by providing them with clean and safe equipment.

Continue >

SUBMIT



Please try to answer the question above and then check the answer and the feedback on the following page.

Monitoring and improvement

Monitor equipment all the time



John works in a care home. He needs to use a shower chair. It looks clean, but it's cracked.

What should John do?



Select the options that apply, then select SUBMIT.

- clean it before use
- use it anyway
- take it out of use
- look for another chair



< PREV

Menu Resources Glossary

SUBMIT

Safe management of care equipment

> Topic 3:

Monitoring and improvement

Monitor equipment all the time



John works in a care home. He needs to use a shower chair. It looks clean, but it's cracked.

What should John do?



Select the options that apply, then select SUBMIT.

- clean it before use
- use it anyway
- take it out of use
- look for another chair



Correct

That's correct. If the chair is cracked it might be unsafe to use and the person using it could be hurt.

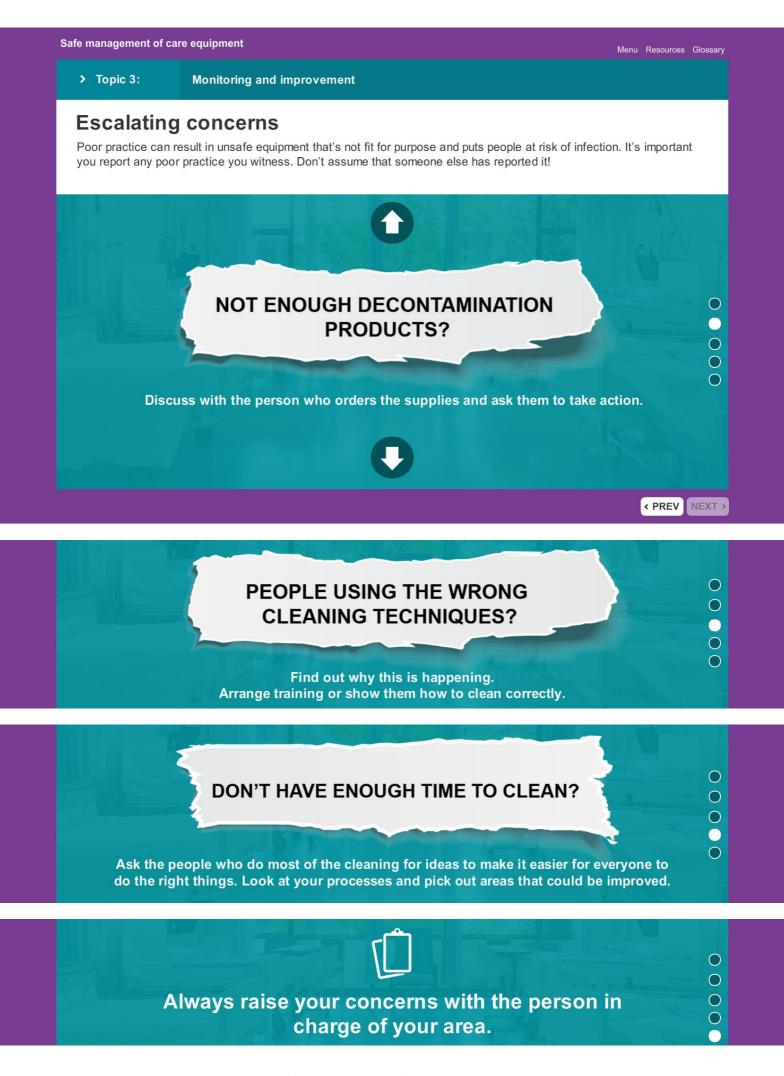
John should look for another chair to use and take the cracked one out of use so that nobody can get hurt. He shouldn't clean it, as it's not going to be used.

Cracks in equipment will make it difficult to decontaminate, and micro-organisms could still be left in the cracks. It's important to check that equipment is fit for purpose before you use it!

He could also put a note on it so that it doesn't accidentally get used.

Continue >

SUBMIT



Monitoring and improvement

Working together to make improvements

Nobody comes into work to do a bad job. Sometimes the way things are done can make tasks more difficult than they should be. There could be better ways of doing things.

Very small changes can often make big improvements. But you need your colleagues on board to help - this will make sure that your improvements are sustainable.

It's important to:

- · ask colleagues if they find decontaminating care equipment difficult
- listen to colleagues and ask them for ideas to make it easier
- ask colleagues in other areas if they have the same challenges
- learn from other areas who are doing it well
- test new ways of working and learn from what you find.



Do you have other ideas not listed here? Share them with your colleagues.



< PREV NEXT >

Notes for Topic 3: Monitoring and improvement

Monitoring and improvement

Summary

Here are the key points of this module:

- The person in charge of the area is responsible for the overall cleanliness of their environment.
- Reusable (communal) non-invasive care equipment is at high risk of contamination.
- You should know how to evidence when equipment is decontaminated and who's responsible.
- Equipment should be clean, fit for purpose and in a good state of repair.



Remember, you can use the Menu to revisit any screen in this module.

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Menu Resources Glossary

Safe management of care equipment

Monitoring and improvement

Next steps

> Topic 3:

Here are some examples of what you could do to help you ensure that that all care equipment is clean, fit for purpose and in a good state of repair at the point of care:

- · Find out if you have a cleaning schedule in your area.
- · Do regular spot checks on your care equipment.
- Identify if you need specific training to decontaminate care equipment.
- · Ask colleagues for ideas on how to make improvements.
- · Share your ideas for improvement or learn from other areas.



< PREV NEXT >

Monitoring and improvement

Feedback and assessment

Before you start the assessment, we'd like to get your feedback on this module.



Please complete the <u>Care of Equipment –</u> <u>Feedback Questionnaire.</u>

After you've answered the questionnaire, you must complete the assessment.









Please close this browser window to exit the module and then open the assessment.

< PREV

Feedback questionnaire link:

https://response.questback.com/nhseducationforscotland/sipcep07equipment

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Transcriptions of any videos within this resource are available on request.

Please close this browser window to exit the module and then open the assessmen



Safe Management of Care Equipment

Scottish Infection Prevention and Control Education Pathway

Printable learning resource - Completion Record

Learning outcomes:

- · assess infection risks associated with care equipment
- · identify when equipment needs to be decontaminated
- · take actions to decontaminate equipment
- show evidence that equipment is decontaminated
- escalate any concerns you have regarding equipment safety.

3	
I confirm that I have compl	leted the above module.
Learner name:	
Learner role and location:	
Learner signature	



Anticipated learning time: 20 minutes

This resource may be made available, in full or summary form, in alternative formats and community languages. Please contact us on **0131 656 3200** or email **altformats@nes.scot.nhs.uk** to discuss how we can best meet your requirements.



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www.nes.scot.nhs.uk

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